



**Cotter Corporation**  
**General Office**

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U.S. NUCLEAR REG.  
COMMISSION  
INSPECTION SECTION

DIAL 303-232-8218  
9305 WEST ALAMEDA PARKWAY, SUITE 201  
LAKEWOOD, COLORADO 80226

*PDL*

40-8692

June 4, 1979

Mr. J.E. Rothfleisch  
U.S. Nuclear Regulatory Commission  
Field Processing & Fabrication Branch  
Division of Fuel Cycle and Material Safety  
Washington, D.C. 20555

Dear Mr. Rothfleisch,

On Friday, June 1, 1979, Cotter Corporation received a permit to mine at the Charlie Test Pit from the Wyoming Department of Environment & Quality, Land Quality Division.

A copy of this permit (No. 489) is enclosed. Please add this permit to Cotter's license application file for the Willow Creek Pilot Project.

Sincerely,  
COTTER CORPORATION

*Tim Smith*

Tim Smith  
Supervising Environmental  
Engineer

xc: Ed McGrath

Enclosure

~~TOP SECRET~~

**FEE EXEMPT**

*info only*

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*Department of Environmental Quality*

## LAND QUALITY DIVISION

HATHAWAY BUILDING

TELEPHONE 307-777-7756

CHEYENNE, WYOMING 82002

May 29, 1979

Mr. Timothy Smith  
Cotter Corporation  
P.O. Box 352  
Golden, CO 80401

RE: Cotter Corporation, Charlie Test Pit, Permit No. 489

Dear Mr. Smith:

The Cotter Corporation permit for the Charlie Test Pit was approved on this date. This approval is subject to the following conditions.

1. The Ore Stockpile to be left in the ore pad area (Fig. 1.3-1 and page 1-12, p. 1-22) should be removed as soon as possible but in no event should the ore stockpile remain in the area for longer than three years. The berm constructed around the leach pad facilities should be removed only after the ore stockpile is disposed of (Fig. 1.3-1).
2. The 100 year flood estimates given in the application (p. 1-12) can be considered conservative in that a higher 100 flood plain can be defined using the channel width method by Lowham. Consequently, the duration of the operation should not extend into the spring months.
3. If local groundwater wells experience a diminution of water supply as a result of the dewatering program for the Charlie Test Pit, Cotter will replace such water with water of equal or better quality if requested by the well owner.
4. Cotter Corporation shall haul all tailings to the Bear Creek Site for disposal. The exact mechanism for transporting the Charlie Test Pit tailings to the Bear Creek Site should be specified.

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May 18, 1979

Page Two

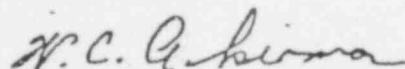
5. Cotter Corporation shall follow the requirements set forth under standard 2 of the March 6, 1978 Department of Environmental Quality, Land Quality Division's POLICY STATEMENT FOR ESTABLISHING PRE-OPERATIONAL RADIOLOGICAL BACKGROUND AND DISPOSAL OF LOW-LEVEL RADIOLOGICAL WASTE DURING THE INTERIM PERIOD. The pre-mining radiological background must be established prior to any disturbance of the permit area. This radiological survey, acceptable to the Department of Environmental Quality, Land Quality Division, will include a gamma survey and the collection of soil samples in accordance with Wyoming Department of Environmental Quality, Land Quality Division Guideline No. 1 (April 1978 revised and Addendum to Guideline No. 1, November 1978).
6. The following information is to be submitted:

During operation of the test pit, Cotter Corporation shall take composite water quality samples from the mine dewatering wells on a monthly basis for the duration of the project. These groundwater samples shall be analyzed in accordance with the conditions of NPDES permit Wy-0027685. Additional analysis will include pH, temperature, Iron, Manganese, Lead, Selenium, and Sulfate (pD6-16). These data will be reported to the Land Quality Division as total extractable solids according to the definition in EPA-625/6-74-003a.

In complying with the above conditions all maps and documents associated with this permit shall be revised to reflect the necessary changes.

If you have any questions, please do not hesitate to contact the Cheyenne office or Dennis Morrow in the District IV office in Sheridan.

Sincerely,



W.C. Ackerman  
Administrator

JW/WCA/lv *kw*  
cc: Dennis Morrow  
Jim Wolf  
Gary Beach  
Joe Hereford

488 287

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STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
LAND QUALITY DIVISION  
STATE OFFICE BUILDING WEST  
2300 CAPITOL AVENUE  
CHEYENNE, WYOMING 82002

This application in duplicate for a PERMIT TO MINE is submitted in accordance with the provisions of the Wyoming Statute (1973 cumulative supplement) 35-502.24; Wyoming Session Laws (1973), Chapter 250, Section 24.

(i) (a) Name of Applicant: Cotter Corporation  
Mailing Address: ~~P. O. Box 352~~ 9305 W. Alameda Parkway  
~~Golden, Colorado 80401~~ Lakewood, CO 80226

(b) If the applicant is a partnership, association or corporation the names and addresses of all managers, partners and executives directly responsible for operations in this state:

Name: D. P. Marcott Address: ~~P. O. Box 352, Golden, CO 80401~~ *see above*  
Title: Executive Vice President Phone No.: (303) 232-8218

Name: E. W. Bruner Address: ~~P. O. Box 352, Golden, CO 80401~~ *see above*  
Title: Vice President of Mining & Exploration Phone No.: (303) 232-8218

Name: H. B. Tobey Address: ~~P. O. Box 352, Golden, CO 80401~~ *see above*  
Title: Chief Mining Engineer Phone No.: (303) 232-8218

Name: M. W. Davis Address: ~~P. O. Box 352, Golden, CO 80401~~ *see above*  
Title: Chief Geologist Phone No.: (303) 232-8218

(ii) The applicant by execution of the sworn statement, a part of this application, certifies that he or it has the right and power by legal estate owned to mine from the land for which this permit is desired; (sworn statement on page 4)

(iii) The applicant by execution of the sworn statement, a part of this application, certifies that he or it has not forfeited a bond posted for reclamation purposes pursuant to any laws of the State of Wyoming; (sworn statement on page 4)

(iv) The names and the last known addresses of the owners of the surface rights on the lands to be covered by this application;

Attach this information as Appendix "A"

(v) The names and the last known addresses of the owners of the surface and mineral rights of the lands adjacent to the proposed permit (adjacent lands means all lands within one-half mile of the permit area);

Attach this information as Appendix "B"

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Permit No. 467



13025

POOR ORIGINAL

- (vi) (A) Location of the lands by legal subdivision, section, township, range, county and municipal corporation if any;

Attach this information as Appendix "C"

- (B) The name, if any, by which such lands or any part thereof are known:

Charlie Area

- (C) The total number of acres in the permit area: 160

An estimate of the total number of acres to be affected by the mining operation: 42

- (D) The nearest town, village, or city: Linch, Wyoming

- (vii) A general description of the land which shall include as nearly as possible its vegetative cover, the annual rainfall, the general directions and average velocities of the winds, indigenous wildlife, its past and present uses, its present surface waters, and adjudicated water rights and their immediate drainage areas and uses, and, if known, the nature and depth of the overburden, topsoil, subsoil, mineral seams or other deposits and any sub-surface waters known to exist above the deepest projected depth of the mining operation;

Attach this information as Appendix "D"

- (viii) A United States Geological Survey topographic map, if available, of the permit area;

- (ix) A map showing the boundaries of the land to be affected, its surrounding immediate drainage area, the location and names, where known, of all roads, railroads, public or private rights-of-way and easements, utility lines, lakes, streams, creeks, springs, and other surface water courses, oil wells, gas wells, water wells, and the probable limits of underground mines and surface mines, whether active or inactive, on or immediately adjacent to the land to be affected. The map shall also show:

- (A) The names, last known addresses and boundary lines of the present surface landowners and occupants on the adjacent land to be affected;
- (B) The location, ownership, and uses of all buildings on, or on lands adjacent to, the land to be affected;
- (C) An outline of all areas previously disturbed by underground mining or that will be affected by future underground mining as a guide to potential subsidence problems. The scale of the maps shall be reasonable so as to show necessary detail, width of maps not to exceed 48".  
Suggested scales: up to 10 acres - 1" = 100'  
up to 40 acres - 1" = 200'  
40 acres or more - 1" = 400'
- (D) Any political boundaries of special districts on or near the land to be affected;

Attach this information as Appendix "E"

- (x) Mineral or minerals to be mined: Uranium

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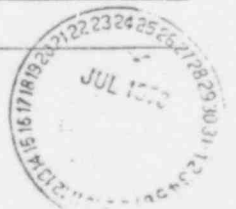
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POOR ORIGINAL

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Permit No. 647

13085



- (xi) Date when operation will commence: September, 1978  
Estimated year of termination of operations in the permit area: 1979
- (xii) A fee of \$100.00 plus \$10.00 for each acre in the requested permit area. The maximum fee for any single permit shall not exceed \$2,000.00;
- (xiii) Reclamation plan as required under Section 24 (b), i through xvii.

The applicant by completion and submission of this form, hereby gives consent to allow the Director, the Administrator and/or his authorized representatives

- (a) To enter upon the applicant's or permit holder's lands or that land which is covered by a permit; and
- (b) At reasonable times to have access to all mining areas and to document any activities covered under the terms of this permit.

Name and address of the person or persons to whom any notice under the provisions of the Wyoming Environmental Quality Act, Land Quality Division or Rules and Regulations adopted thereunder may be sent:

Timothy Smith, Environmental Engineer  
P. O. Box 352 9305 S. Alameda Parkway  
Golden, Colorado 80401 Lakewood, CO 80226

*Ed Bruner*  
 Applicant  
*Asst. V.P. Mining & Exploration*

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POOR ORIGINAL

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- (xi) Date when operation will commence: June, 1978  
Estimated year of termination of operations in the permit area: 1978
- (xii) A fee of \$100.00 plus \$10.00 for each acre in the requested permit area. The maximum fee for any single permit shall not exceed \$2,000.00;
- (xiii) Reclamation plan as required under Section 24 (b), i through xvii.

The applicant by completion and submission of this form, hereby gives consent to allow the Director, the Administrator and/or his authorized representatives

- (a) To enter upon the applicant's or permit holder's lands or that land which is covered by a permit; and
- (b) At reasonable times to have access to all mining areas and to document any activities covered under the terms of this permit.

Name and address of the person or persons to whom any notice under the provisions of the Wyoming Environmental Quality Act, Land Quality Division or Rules and Regulations adopted thereunder may be sent:

Timothy Smith, Environmental Engineer  
P. O. Box 352 9035 W. Alameda Parkway  
Golden, Colorado 80401 Johnson CO 80226

David P. Marrett  
Applicant

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**POOR ORIGINAL**

- 3 -  
Permit No. 489

FINAL SWORN STATEMENT

State of Colorado )  
County of Jefferson ) ss

I David P. Marcott being duly sworn on my  
Name

oath that I am the applicant (or the chief executive officer of  
the applicant if a corporation) for the foregoing permit; that I  
have read the said application and fully know the contents thereof;  
and that all statements contained in the permit application are true  
and correct to my best knowledge and belief.

Dated 14th day of April, 1978.

David P. Marcott  
Individual or chief executive officer  
if a corporation

(seal):

Helene L. DeWorm  
Notary Public or Secretary  
if a corporation

This application (Form 1, July 1975) when returned to you  
with the validating signature of the Administrator of the Land Quality  
Division, Department of Environmental Quality, becomes your Permit  
No. 489.

Effective Date: May 29, 1979.

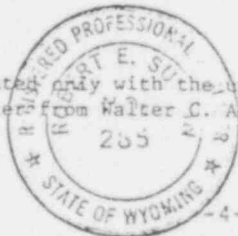
W.C. Ackerman  
W. C. Ackerman, Administrator  
Land Quality Division  
Department of Environmental Quality  
State of Wyoming

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Approved: Robert E. Sundin 5/29/79  
Robert E. Sundin, Director  
Department of Environmental Quality

**POOR ORIGINAL**

NOTE: This permit is granted only with the understanding that the conditions listed  
in the letter from Walter C. Ackerman to Mr. Timothy Smith are followed  
out.



Permit No. 489 13005



STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
LAND QUALITY DIVISION  
STATE OFFICE BUILDING WEST  
2300 CAPITOL AVENUE  
CHEYENNE, WYOMING 82002

This application in duplicate for a license to mine is submitted in accordance with the provisions of the Wyoming statute (1973 cumulative supplement) 35-502.77, Wyoming Session Laws (1973), Chapter 250, Section 27.

(i) (a) Name of Applicant: Cotter Corporation

Mailing Address: ~~P. O. Box 352~~ 4305 W. Lincoln Parkway  
Golden, Colorado 80401 Lakewood, CO 80222

(ii) (a) A copy of the mining permit, submitted herewith, for the lands which are to be affected by the proposed mining operation

Permit No. 489 Issued May day 29th 1979.

(b) If the applicant is other than the permit holder, a copy of the instrument of permission submitted herewith, from the permit holder granting to the applicant the right thereto;

(iii) If the applicant is other than the permit holder:

(a) A statement that the applicant has never had a permit issued by the administrator revoked;

(b) Or license to mine issued by the board revoked;

(c) Or bond posted to comply with the act forfeited for intentional and substantial violation of the provisions of this act.

(iv) Maps showing the location and the numbers of acres to be affected by the proposed mining operation for the first year of operation if less than the full extent of the permit area.

(Map of affected area may be submitted with legal description if desired) The scale of maps shall be reasonable so as to show necessary detail, width of map not to exceed 48".

488 293 Suggested scales: Up to 10 acres -1" = 100  
Up to 40 acres -1" = 200  
40 acres or more -1" = 400

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(month and year) when operation will commence: \_\_\_\_\_

June, 1978

Estimated date (year) of termination of the proposed mining operation: \_\_\_\_\_

1978

Permit No. 457

(vi) A fee of \$25.00

Name and address of the person or persons to whom any notice under the provisions of the Wyoming Environmental Quality Act, Land Quality Division, or Rules and Regulations adopted thereunder may be sent:

Timothy Smith, Environmental Engineer  
P. O. Box 352 9275 W. Alameda Parkway  
Golden, Colorado 80401 Lakewood, Co 80126

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**POOR ORIGINAL**  
Permit No. 407

FINAL SWORN STATEMENT

State of Colorado )  
County of Jefferson ) ss

I David P. Marcott being duly sworn on my  
Name

oath that I am the applicant (or the chief executive officer of the applicant if a corporation) for the foregoing "License to Mine"; that I have read the said application and fully know the contents thereof; and that all statements contained in the permit application are true and correct to my best knowledge and belief.

Dated 14th day of April 1978.

David P. Marcott  
Individual or if a corporation the chief executive officer or his designee for this purpose. (If signed by designee, attach affidavit authorizing such signature.)

(Seal)

W. L. Lawman  
Notary Public or Secretary if a corporation

This application (Form 3, July, 1973) when returned to you with the validating signature of the Administrator of the Land Quality Division, Wyoming Environmental Quality Act, becomes your License No. 489. Effective Date: May 29, 1979.

Dept. of Environmental Quality  
State of Wyoming

Dept. of Environmental Quality  
Land Quality Division  
State of Wyoming

Approved by:

Robert E. Sundin 5/29/79  
Robert E. Sundin, Director

By: W. C. G. Herman  
Administrator

488 295



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