

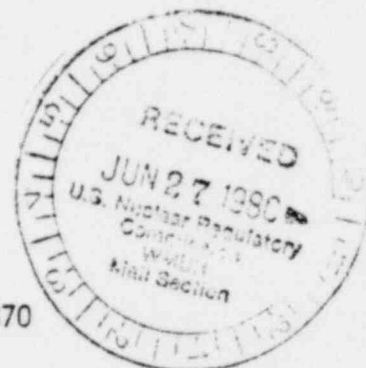
**Cotter Corporation**  
**General Office**

*PDR* 40-8692

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9305 WEST ALAMEDA PARKWAY SUITE 201  
LAKEWOOD, COLORADO 80226

June 26, 1980

Mr. Ross A. Scarano, Chief  
Uranium Recovery Licensing Branch  
Division of Waste Management  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555



Re: Amendment of Source Material License No. SUA-1370

Dear Mr. Scarano:

In accordance with Title 10, Code of Federal Regulations Sections 40.44, Cotter Corporation submits the enclosed request for an amendment of the above captioned source material license. Cotter hereby requests the amendment of license conditions 11, 12, 17, 21 and 22.

This application for a license amendment was necessitated by the requirement for an additional evaluation of the TL Leach method so that a sufficient data set is available for final feasibility studies. (See Exhibit 1, attached hereto.) The amendment application is made for the purpose of operating the TL Leach pilot plant for a second test period. The second test will require processing 625 tons of Charlie ore at a rate of 25 tons per day for 25 days over a 45 day period. Pilot plant operating procedures to be employed by Cotter will be essentially the same as those described in the original application, with the exception of those items noted below.

The requested revisions to the above referenced license conditions, or the reasons therefore are itemized below.

License Condition

Proposed Revision

11

For recovery of uranium from about 625 additional tons of Charlie Test Pit ore using . . . . . (The letters of transmittal for the additional information referenced in License Condition 11 are attached hereto as Exhibit 2.)

12

Test number 2 of the licensee's experimental uranium recovery activities shall consist of processing crushed uranium ore at an average rate of approximately 25 tons per day for 25 days over a forty-five day test period.

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# Cotter Corporation

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## License Condition

## Proposed Revision

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(Cotter has amended the radiological safety and monitoring program in Section 5.0 to reflect the change in management personnel and the radiation safety officer, and to reflect the short duration of the test.)

21 and 22

(Cotter requests approval to submit the reports required by license conditions 21 and 22 following completion of the second test proposed herein.)

For the purposes of conducting TL Leach test number 2, Cotter has obtained approval by the Wyoming Department of Environmental Quality, Land Quality Division (LQD), of a request for a technical revision of LQD Permit No. 489. (See attached copies of request for technical revision and LQD approval, Exhibits 3 and 4, respectively.) Additionally, in accordance with the requirements of LQD Permit No. 489, Cotter recently submitted to the LQD an annual report for the Charlie Test Pit/Pilot Plant operation. A copy of that annual report is attached hereto for informational purposes. (See Exhibit 5.)

It should be noted that Cotter has completed the column tailings leach tests using the tailings generated during test number 1 of the TL Leach process, and in accordance with the procedures submitted to N.R.C. on February 7, 1979. (See Exhibit 2, attached hereto.) Preliminary results of these tests suggest the need for a thorough rinse cycle following the completion of ore processing. This rinse cycle will be incorporated into the milling procedures to be conducted in conjunction with TL Leach test number 2, proposed herein. All data associated with the entire series of tailings column leach tests (i.e., column leach tests conducted using tailings from TL Leach tests, numbers 1 and 2) will be submitted in accordance with amended license condition 22.

Cotter is prepared to commence pilot plant operations immediately. Expedient evaluation of this amendment application by your office will be appreciated.

If you have any questions regarding Cotter's proposed pilot plant activities, please contact me at your earliest convenience.

Sincerely,

*Timothy C. Smith/th*

Timothy C. Smith  
Supervisor of Environmental Activities

TS/th

(attachments)