



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

DCS  
40-8200  
40-8714

JUN 11 1980

MEMORANDUM FOR: Ross A. Scarano, Chief  
Uranium Recovery Licensing Branch

THRU: Hubert J. Miller, Section Leader  
New Facilities Section  
Uranium Recovery Licensing Branch

FROM: Gregory G. Eadie  
Uranium Recovery Licensing Branch

SUBJECT: MEETING WITH CLEVELAND CLIFFS IRON COMPANY (CCIC)  
REGARDING STATUS OF DOCKET NOS. 40-8200 AND 40-8714

Time and Place

May 9, 1980, from 0900 to 1230 hours; Willste Bldg., Silver Spring, MD.

Attendees

USNRC: G. G. Eadie, J. E. Rothfleisch  
CCIC: R. Riedel, C. McYee, J. Hollister, J. Lenhard, G. Porter,  
T. Louderback

Docket No. 40-8200

License SUA-1199 expired May 31, 1979. In a letter from CCIC dated October 26, 1979, it was requested that the license be terminated based on a summary report of post-operational findings as of the November 30, 1978 sampling of six wells at the site. During the May 9, 1980 meeting, the present status of the site was discussed in detail and the following actions were agreed upon:

1. CCIC will conduct one more sampling scheme in order to evaluate the current status of groundwater restoration. Analyses will include as a minimum radium-226, uranium, ammonia, TDS, gross alpha and gross beta.
2. CCIC will measure water levels and obtain samples from at least 5 wells located both upstream and downstream of the original production well (e.g., well nos. 89, 91, 92, 96 and

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either 86 or 88). A written procedure shall be provided to describe the well sampling techniques. Documentation will include reporting those wells requiring a water flushing in order to obtain a valid water sample from a "dry well." All wells shall be pumped the equivalent of one well casing volume prior to sampling. In the case of "dry wells" containing standing water, the well will be bailed dry and allowed to refill, before sampling by bailing prior to resorting to the flushing technique. This will permit a comparison of the two sampling techniques. All samples shall be filtered through a 0.45  $\mu$ m membrane filter and the filtrate (or soluble) component analyzed. Samples shall be acidified or preserved as required.

3. The NRC will be notified in advance of CCIC's plans to resample the groundwater wells at the site to permit NRC at its option to have a representative present during the water level measurements and sampling operation. Appropriate "split samples" shall be provided to the NRC for independent analyses.
4. Based on the results of this groundwater sampling, the need for further restoration efforts will be determined by CCIC and a recommendation with supporting justification presented to NRC. If necessary, a "water flushing" of the aquifer will be conducted to reduce certain parameters (e.g., radium, uranium, barium and ammonia, etc.) to acceptable or baseline levels.
5. CCIC will provide a written proposal to both WMUR and the Wyoming Department of Environmental Quality (DEQ) which will define the actions to be taken to evaluate the current status of the groundwater, any necessary restoration efforts, and specific plans for site decommissioning (e.g., land cleanup, and facilities or equipment decontamination) for license termination. Upon review and acceptance of the proposal by NRC and DEQ, CCIC will carry out the proposed actions.
6. CCIC's proposal shall be submitted to WMUR by May 30, 1980, for review and approval.
7. In a telephone agreement between G. Eadie (WMUR) and T. Louderback (CCIC) on May 12, 1980, CCIC was informed that its submittal should be in the form of a minor amendment requesting license termination based on the sampling program, and the final cleanup action and evaluation scheme submitted with the license amendment application.

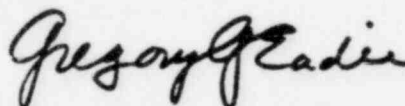
Docket No. 40-8714

License SUA-1352 was issued June 29, 1979 based on CCIC's application dated November 3, 1978. Subsequent letter transmittals on January 16, 1979, March 21, 1980, and more recently May 7, 1980, have provided

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supportive information which indicates a need to amend the existing license. During the May 9, 1980 meeting, the details of the required license amendments were discussed, and the following actions agreed upon:

1. CCIC will submit a request for a minor amendment to license SUA-1352; in particular to reflect current operations with respect to information provided in the March 21, 1980 and May 7, 1980 letter submittals.
2. CCIC will submit a modified and revised document which updates the original November 3, 1978 application. This revised copy shall incorporate all changes described in the January 16, 1979, March 21, 1980 and May 7, 1980 submittals and shall accurately reflect the current status and operating conditions of the facility. The revised copy shall indicate all changes from the original application by underlining the entries on the corrected pages and shall indicate the reference for the revision. There is a special need to identify all changes impacting the environmental status and to provide an assessment of each change in potential environmental impact. All statements made in the revised copy shall be compatible with information previously furnished to DEQ.
3. CCIC's minor amendment request shall be submitted by May 16, 1980.



Gregory G. Eadie  
New Facilities Section  
Uranium Recovery Licensing Branch  
Division of Waste Management

cc: T. Louderback, CCIC  
W. Morrow, WY DEQ  
C. Cain, I&E, NRC Reg. IV