

Docket 40-8745

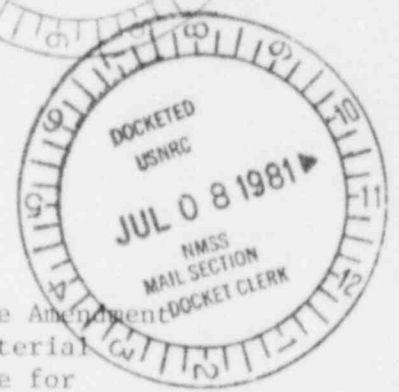
OGLE PETROLEUM INC.

RETURN TO PDR
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SANTA BARBARA, CALIFORNIA 93108

PLEASE DIRECT REPLY TO:



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

RE: Bison Basin Project
SUA-1396
Docket No. 40-8745

Subject: Administrative Amendment Request

Dear Mr. Scarano:

Ogle Petroleum Inc. (OPI) herewith submits an Administrative Amendment request in connection with License Condition No. 13 of Source Material License SUA-1396. A check in the amount of \$150 to cover the fee for this amendment request is enclosed.

The portion of License Condition No. 13 pertaining to this request is presented below:

In addition to the qualifications specified in Section 2.3 of the "Radiological Safety Program" submittal, dated May 19, 1980, the RSO shall have one year of work experience in applied health physics, radiation protection, industrial hygiene, or similar work. This experience shall involve actually working with radiation detection and measurement equipment rather than only administrative or "desk" work. Furthermore, the RSO shall have completed a formalized intensive course in health physics of at least 4 weeks duration. At least 1 week of the course shall be specifically applicable to health physics problems associated with uranium recovery facilities. Also, the RSO shall attend a health physics refresher course every two years. Finally, the RSO shall have a thorough knowledge of the proper application and use of all health physics equipment used in the facility, the chemical and analytical procedures used for radiological sampling and monitoring, and methods used to calculate personnel exposure to uranium and its daughters.

Specifically, this request pertains to that portion of the above condition that states "The RSO shall have completed a formalized intensive course in health physics of at least 4 weeks duration." It was pointed

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PDR ADDOCK 04008745
C PDR

Applicant
Check No.	3857
Amount/Fee Category	150.00
Type of Fee	Admin
Date Check Rec'd	6/18/81
Received By

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out during a meeting between OPI and NRC personnel on June 19, 1981 in Washington that OPI's present RSO does not have 4 weeks of formalized health physics instructions, but he does have a combination of education, training and experience that OPI believes fully qualifies him for the RSO position at an in-situ facility. During the June 19 meeting, OPI briefly reviewed the qualifications of their present RSO and the NRC indicated that he was probably qualified to continue serving as the RSO. In order to approve (for the commercial operations) OPI's present RSO, the NRC suggested that OPI submit an administrative amendment requesting approval of OPI's RSO and detailing his pertinent educational and experience qualifications.

In response to the above suggestion, it is requested that OPI's present RSO, Mr. Kurtis J. Brown, be approved as the RSO for the commercial phase of the Bison Basin Project, License SUA-1396. Mr. Brown's qualifications are as follows:

Relevant Education -

Bachelor Degree in Geology, 1977.

Eberline Course entitled "Radiation Protection and Environmental Surveillance for Uranium Resources Organizations." Course was one week in duration (January 1980). A copy of the course outline is enclosed with this request.

Two days of one-on-one instruction by Eberline employee including both a classroom type presentation at OPI's Casper office on radiological monitoring, dose calculations, dose limits, equipment operation and calibrations, exposur control, and R & D license radiological monitoring and reporting requirements plus actual hands-on equipment operation and calibration training at OPI's Bison Basin R & D Facility. (May 31 & June 1, 1979).

Relevant Experience -

Worked as Professional Geologist for past nine years. The last three years he has been the Project Geologist for the Bison Basin Project. Since issuance of OPI's R & D Source Material License in August 1978 (almost 3 years), Mr. Brown has had the collateral duty of being in charge of the Radiological Safety Program for

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solution mining operations conducted under SUA-1336. As RSO during R & D operations, Mr. Brown operated the monitoring equipment (including performing equipment checks with test sources), performed the necessary calculations and prepared all required reports. Near the end of the R & D phase, a Safety and Radiation Protection Engineer (SRPE) was hired to assist Mr. Brown. Mr. Brown assisted with the training of the SRPE and continually and closely supervised the SRPE in the performance of his duties.

It is felt that based upon the above stated RSO related experience and education that Mr. Brown is fully qualified to serve as the RSO for the Bison Basin Project. Please get in touch with me at our Casper office if you have any questions concerning Mr. Brown's qualifications.

Sincerely,

OGLE PETROLEUM, INC.



Glenna J. Catchpole
Vice President and Uranium
Project Manager

CJC/rkp
Enclosures
cc: Document Management Branch
Ted Johnson, NRC, w/encl.
John Linchan, NRC, w/encl.

Course Schedule

- Monday - 1:00 PM Registration and Introduction
- 2:00 - 5:00 PM Uranium production overview
Physico-Chemical properties of uranium and progeny
A. Radiological properties
B. Chemical and physical separations
C. Radionuclide sources/Potential hazards
- Tuesday - 8:00 - 12:00 noon Radiation Survey Instruments
A. Principles of detection
B. Ion chambers
C. Geiger counters
D. Scintillation detectors

- 1:00 - 5:00 PM Instrumentation for Sampling and Analysis
A. Radon and progeny
B. Gross alpha and beta
- Wednesday - 8:00 - 12:00 noon Occupational Protection I
A. Regulations, guides and standards
B. External hazard
C. Internal hazard
D. Contamination surveys
E. Air sampling
F. Access control and posting
G. Shipping requirements

- 1:00 - 5:00 PM Occupational Protection II
A. Decontamination
B. Internal dosimetry
C. Bioassay
D. Respiratory protection
E. Emergency planning
- Thursday - 8:00 - 12:00 noon Occupational Sampling and Analysis Methods
A. Swipes
B. Radon gas
C. Radon progeny
D. Air particulates
E. Sample analysis

- 1:00 - 5:00 PM Environmental Sampling and Analysis Methods
A. Pre-mining assessment
B. Pre-operational monitoring
C. Site gamma survey
D. Sampling methods
E. Sample analysis
F. Operational monitoring
- Friday - 8:00 - 12:00 noon Environmental Impact Analysis
A. Source term determination
B. Environmental paths
C. Atmospheric diffusion
D. Deposition
E. Dose calculations
F. Accident analysis