HALLIBURTON
INDUSTRIAL
SERVICES,
INC.

PAUL J. PETTIT, Ph.D.
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November 23, 1983

Mr. John Hickey
U.S. Nuclear Regulatory Commission
Materials Licensing Branch
Division of Fuel Cycle and
Materials Safety
Washington, D.C. 20555

RE: Materials License Number 35-00502-05
Halliburton Industrial Services, Inc.

Dear Mr. Hickey:

This is to clarify some matters and to request amendments to the Halliburton Industrial Services, Inc. NRC Materials License number 35-00502-05.

On February 8, 1982 in a meeting between Mr. Paul Guinn and Halliburton representatives in the NRC offices in Silver Spring, MD., several matters were discussed and orally agreed upon. No special documentation of the meeting was made, although the license reflects much of what was discussed.

Recordkeeping

The radiation exposure records, as well as security records for all Halliburton personnel are maintained at the office of the Halliburton Manager of Nuclear Projects and Radiation Protection Officer, 910 Clopper Rd., Gaithersburg, MD 20878.

Amount of Radioactive Material

Halliburton's nuclear plant service business has developed faster than expected, and there may be a need to increase the amount of radioactive material covered by the license. We have now developed a cadre of experienced nulcear service personnel in most regions of the United States. Halliburton has established about 25 service locations across the country, and other locations are under consideration. We therefore request to increase the amount of material that we may possess to an amount not to exceed 250 millicuries of any byproduct material with atomic numbers 3 through 83, inclusive, except up to 2500 millicuries of Cobalt-60 that may be possessed.

Decontamination

Conventional decontamination methods using minimum quantities of liquid will be needed to decontaminate inaccessible areas and surfaces that do not readily lend themselves to decontamination by wiping.

The decontamination fluids shall be used in containers and equipment designed to sound engineering standards. All reasonable precautions shall be taken to prevent entry of the decontamination fluid into unrestricted areas. There precautions shall include assuring that there is no direct drainage line from the work areas to any sanitary sewage system, and shall further include use of protective coverings such as canvas and plastic sheet to cover the facility ground where such work is conducted. Pavement will be used as required to guard against releases to unrestricted areas.

No airborne radioactivity is anticipated from this work. The minimum quantities of residual fluids used for decontamination work shall be disposed of in sealed, properly marked containers through a licensed, commercial radioactive waste disposal contractor. The fluids shall be immobilized prior to transportation and disposal by use of such methods as solidification by cement. The intent of Halliburton is to release no liquid contaminants of any sort from any of their sites or work areas.

Personnel supervising and conducting the decontamination work shall receive training as follows:

Classroom:

- Basic information on radiation, its source and effects
- Methods of minimizing radiation exposure
- Methods of minimizing contamination
- Planning and preparation for jobs
- Method(s) of decontamination
- Spill prevention methods
- Emergency procedures

On-the-Job

- First-hand instruction in decontamination procedure(s) and method(s)

Training and other procedures are covered in the enclosed copy of Halliburton's "Radiation Safety and Emergency Procedures".

Storage

Proper placarding according to 10CFR20 Section 20.203 shall be used for all storage containers, trailers, areas and buildings.

Radioactive contaminated equipment, components and materials need to be transported between the service centers and the nuclear power plants. During transportation the LSA items occasionally need to be temporarily stored in non-restricted areas (for example, while awaiting final security checks and access clearance outside the plant gate). Transported materials shall be in properly marked containers, consisting in most cases of metal-sided box trailers with lockable doors in accordance with 49CFR parts 171-170 and 10CFR71.

Storage of radioactive materials at the Halliburton service locations shall be in properly marked restricted areas in accordance with 10CFR20.

Fee

Enclosed is a check for $40 to cover the NRC cost of preparing amendments.

Sincerely,

Paul J. Pettit

Paul J. Pettit
Radiation Protection Officer

PJP:lb
Enclosure
Copy to: John A. Knox

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