



DEPARTMENT OF THE NAVY
NAVAL OCEAN SYSTEMS CENTER
SAN DIEGO, CALIFORNIA 92152

IN REPLY REFER TO:
WCS:rc
10330
Ser 037/51

23 OCT 1980

From: Commander, Naval Ocean Systems Center
To: Director, Nuclear Regulatory Commission, Division of Fuel Cycle
and Material Safety Licensing Branch, Washington, D. C.
Via: Officer in Charge, Naval Energy and Environmental Support Activ-
ity, Radiological Affairs Support Office, Port Hueneme, CA
Subj: Request for amendment of Nuclear Regulatory Commission License
No. SNM-1154

1. It is requested that subject license be amended to include an additional 20 microcuries of Pu-238 to be used to develop a calibration source for an Eberline Stabilized Assay Meter with a model RD-20 probe.

2. Los Alamos Scientific Laboratory will provide Naval Ocean Systems Center with the additional 20 microcuries of Pu-238 nitrate dry residue needed to develop the calibration source. The Pu-238 will be used as follows:

a. Dry residue will be leached with nitric acid and an aliquat will be placed in a calibration chamber. The calibration chamber may be dry or filled with an aqueous solution.

b. Detector, if not already in place, will be put in place and a count taken.

3. Detector will be covered with plastic if the plastic does not interfere with detection efficiency. Using personnel will use:

a. Gloves

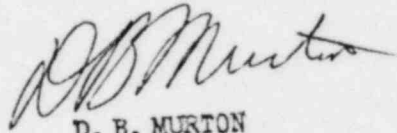
b. Laboratory aprons

c. An AN/PDR 56 or equivalent alpha scintillation survey meter.

4. All personnel and objects used in the calibration will be surveyed for contamination. All contaminated objects will be decontaminated or disposed of as radioactive waste. All radioactive waste shipments will conform with NRC, DOT shipping and disposal requirements and will meet license requirements.

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5. For further information, please contact Mr. William C. Salsbury,
(714) 225-6458.

A handwritten signature in dark ink, appearing to read "D. B. MURTON". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

D. B. MURTON
By direction