

JAN 27 1986

Docket No. : 030-20406
Control No.: 70321

previously
030-20411
70356

U. S. Army, Corps of Engineers
San Francisco District
211 Main Street, Room 906C
San Francisco, California 94105

Attention: Mr. Jack E. Farless
Radiation Protection Officer

Gentlemen:

This is in reference to your application dated January 3, 1986 for a byproduct material license, and to our telephone conversation on January 22, 1986.

In our telephone conversation on January 22, 1986, you stated that the Troxler Model 3565 sediment density gauge will be used to measure the density of construction materials in hoppers as well as measuring the density of soft soils and sediments on river bottoms, bays, channels, or the ocean floor.

We also discussed the fact that the use of the Troxler Model 3565 sediment density gauge, unlike most portable gauges, requires removal of the source rod from the lead shielding in the shipping carton and requires handling of the source rod when the source is in a partially shielded condition.

In order to complete our review, we need the following additional information:

1. You should have access to a properly calibrated radiation safety instrument (with a range of at least 1 through 200 milliroentgens per hour) which will be used whenever the Model 3565 gauge is used. You should use the instrument to assure that levels in unrestricted areas do not exceed the limits stated in 10 CFR 20.105, copy enclosed. Survey results should be documented and maintained for inspection purposes. You should describe the survey instrument (manufacturer's name and model number) which will be available to you. You should also identify the facility which will calibrate the instrument and state the calibration frequency (at least annually and after servicing).
2. Your utilization procedure should include instructions on handling the source rod to assure that personnel will not handle the source-area of the rod and that steps are taken to avoid unnecessary exposure. The procedures should also specify the means for preventing other personnel from entering the restricted area during gauge use in and around bins, tanks, or hoppers. You should expand and resubmit your utilization procedures.

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-2-

JAN 27 1986

We will continue the review of your request for a byproduct material license upon receipt of this information. If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application. Please reply in duplicate, and refer to Mail Control No. 70321.

Sincerely,

Beth A. Riedlinger
Health Physicist (Licensing)
Nuclear Materials Safety Section

Enclosure:
10 CFR Part 20
Guide for portable gauges
Guide for non-portable gauges

January 22, 1986

TELEPHONE OR VERBAL CONVERSATION RECORD

TIME

☐ A.M.
☐ P.M.

☒ INCOMING CALL (Returned earlier *call*)

☐ OUTGOING CALL

☐ VISIT

PERSON CALLING

Jack E. Farless

OFFICE/ADDRESS

Army Corps of Engineers

PHONE NUMBER

EXTENSION

(415) 974-0387

PERSON CALLED

OFFICE/ADDRESS

PHONE NUMBER

EXTENSION

CONVERSATION

SUBJECT

Application for gauge license

SUMMARY

1. Mr. Farless confirmed that his office is in San Francisco and that records pertaining to the license will be maintained in his office.
2. Mr. Farless stated that he is in a supervisory position and that he will not be a gauge user.
3. As the gauge has not been procured, he does not have a copy of the manufacturer's instructions, and he ~~is~~ is not aware of radiation levels around the gauge.
4. Mr. Farless stated that the gauge will be used to measure the density of materials in bins and hoppers as well as sediments on the floor of the bay or the ocean.
5. We discussed the fact that the use of the Model 3565 involves use of the source in a partially shielded condition, and we discussed the need for a calibrated radiation survey meter. He had no objections.

REFERRED TO:

ACTION REQUESTED

ACTION TAKEN

☐ ADVISE ME OF ACTION TAKEN.

INITIALS

DATE

INITIALS

DATE

TELEPHONE OR VERBAL CONVERSATION RECORD

TIME ☐ A.M.
☐ P.M.

☐ INCOMING CALL

☐ OUTGOING CALL

☐ VISIT

PERSON CALLING

OFFICE/ADDRESS

PHONE NUMBER EXTENSION

PERSON CALLED

OFFICE/ADDRESS

PHONE NUMBER EXTENSION

CONVERSATION

SUBJECT

SUMMARY

6. I gave Mr. Farless telephone numbers for Victorien, Eberline, and for Mr. Dezan (Army Corps of Engineers Coordinator).

7. I told him to expect a deficiency letter.

- B.A. Riedinger

REFERRED TO:

ACTION REQUESTED

☐ ADVISE ME OF ACTION TAKEN.

INITIALS

DATE

ACTION TAKEN

INITIALS

DATE