



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W.  
ATLANTA, GEORGIA 30323

APR 04 1986

**"OFFICIAL RECORD COPY"**

Columbia Gas Transmission Corporation  
ATTN: Mr. Larry M. Chapman  
P. O. Box 1273  
Charleston, WV 25325-1273

Gentlemen:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION CONCERNING A MATERIAL LICENSE  
APPLICATION (REFERENCE: 50917, 030-10303)

This refers to your application dated February 20, 1986, for renewal of License Number 47-16060-01. The following additional information is needed in support of your request:

1. Give an outline of the training and instructions given to prospective radiographer assistants initially and a copy of a typical exam which demonstrates to you that this individual has knowledge and understanding of the material and has the ability to comply with your company's Operating and Emergency Procedures. The instructions should include instructions on the use of the radiographic equipment. Give the length of time for training on the major topics.
2. Is the periodic training described in your application for both radiographers and assistant radiographers?
3. Provide a copy of the written exam and the field performance evaluation given to the radiographers by Columbia Transmission Corporation.
4. Give a description of instructions provided by your company to individuals with previous radiography training and experience.
5. The telephone number for the U.S. NRC on page 9 of your Administrative and Radiological Protections Procedures should be changed to (404) 331-4503.
6. For your personnel monitoring equipment, we need to know the supplier of your film badges and the maximum time period for exchange of the film badges. The procedures in your "Radiological Operating and Emergency Procedures" on personnel monitoring should include instructions about how and where dosimetry devices are to be stored when not in use. The storage place should be dry, radiation free and cool. Also, line 2 of 1.4 of these procedures should read "... a reading made every day at the beginning and end...."
7. Section 34.24 of 10 CFR Part 34 requires that a licensee maintain sufficient calibrated and operable survey meters to make physical radiation surveys as required by 10 CFR Parts 20 and 34, that the instruments have a range

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sufficient to measure 2 milliroentgens per hour through 1 roentgen per hour, and that the instruments be calibrated at intervals not to exceed 3 months and after each instrument repair.

State that you will have operable and calibrated survey meters with a range from 2 milliroentgens per hour through 1 roentgen per hour. Include a statement that the meters will (1) be calibrated so that the readings are  $\pm 20\%$  of the actual values of the range of the instrument, (2) have a calibration chart or graph showing the results of the calibration, the date of the last calibration, and the due date of the next calibration affixed to the survey meter, and (3) be calibrated at least every 3 months or after each servicing. Also state that calibration records will be kept for a minimum of two years after each calibration and identify by whom the instruments will be calibrated. If calibration is performed by a person or firm outside your organization, identify each person or firm by name and NRC or Agreement State license number. If you perform the calibration, provide your procedures.

8. Your procedure in Section 3.22b. of your "Radiological Operating and Emergency Procedures" is contrary to 10 CFR 34.42 which requires posting both the radiation area and the high radiation area even though it is a temporary location constantly attended. The rope is to demark the restricted area both for the observing radiographer as well as for anyone else in the vicinity. Therefore, these instructions need to be revised.
9. Your Section 7 (Transport of Exposure Devices, Storage Containers and Sources in Company Vehicles) of your "Radiological Operating and Emergency Procedures" should be revised to cover instructions to personnel in the following areas:
  - a. Placarding the front and back of the vehicle with "RADIOACTIVE" placards if the transported package requires a Radioactive Yellow III label.
  - b. Instructions on measures that should be taken if the radiation level exceeds 2 mR/hr. in the passenger compartment and/or exterior surfaces of the vehicle.
  - c. If the vehicle is used for storage at a temporary jobsite, personnel should be instructed to remove the RADIOACTIVE placards (if they had been required) and substitute "Caution - Radioactive Material" signs. The vehicle must be locked when used for storage.

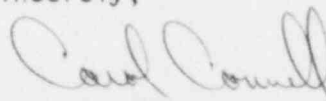
Our review of your application will continue upon receipt of the above information. Please provide two copies of your reply and reference Mail Control Number 50917.

If we do not receive a reply from you within thirty (30) calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

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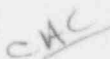
If you should have any questions, do not hesitate to contact me at (404) 331-2675.

Sincerely,



Carol Connell  
Radiation Specialist  
Nuclear Materials Safety Section

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