



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

MAR 9 1994

Docket 70-1100
License SNM-1067

Mr. Robert E. Sheeran, Facilities Manager
Windsor Nuclear Fuel Manufacturing
Combustion Engineering, Inc.
1000 Prospect Hill Road
Windsor, Connecticut 06095-0500

Dear Mr. Sheeran:

SUBJECT: DECOMMISSIONING PLAN (TAC NO. L30546)

This letter is to clarify one of the Nuclear Regulatory Commission's comments on Combustion Engineering's (CE) decommissioning plan. The NRC comments were transmitted to you by letter dated February 28, 1994. As discussed with you during a telephone conversation on March 7, 1994, General Comment Number 3 in our February letter should be modified to read as follows:

The plan does not mention removable and direct beta measurements for building surfaces. Beta measurements, as well as alpha measurements, are required. The limits for uranium beta contamination are 5000 dpm/100 cm² average and 15000 dpm/100 cm² maximum for direct beta and 1000 dpm/100 cm² for removable beta. Please revise the decommissioning plan to include the removable and direct beta measurements for building surfaces and the limits for uranium beta contamination.

In evaluating the alpha and beta survey results, the staff will consider the alpha/beta activity ratio for the enriched uranium contamination at the Windsor facility to be 2.3/1, as reported in Table A-1 of the plan. In the event that the measured alpha/beta ratio is less than 2.3, the staff assumes that the beta measurement is the more representative since alpha surface activity measurements are typically biased low because of source to detector geometry. Therefore, if beta contamination at the Windsor facility exceeds 2174 dpm/100 cm² average and 6522 dpm/100 cm² maximum for direct beta, and 435 dpm/100 cm² removable, the staff assumes that the alpha contamination exceeds the direct and removable alpha limits unless justification for another assumption is presented by the licensee.

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Mr. Robert E. Sheeran

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Please reference the above TAC NO. in future correspondence related to this request.

If you have any questions regarding this matter, please contact me at (301) 504-2604.

Sincerely,

Original Signed By:

Sean Soong
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

cc: Mr. J. F. Conant, Manager
Nuclear Materials Licensing

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