

APR 30 1980

DOCKET NO.: 70-1100

LICENSEE: Combustion Engineering, Inc.

FACILITY: Uranium Fuel Fabrication Plant  
Windsor, Connecticut

SUBJECT: ENVIRONMENTAL REVIEW OF LICENSEE'S AMENDMENT APPLICATION  
DATED FEBRUARY 28, 1980

I. Background

On January 28, 1980 an order was issued to Combustion Engineering, Inc. (CE) which modified its Materials License No. SNM-1067 to assure compliance with 40 CFR 190. The order specified that CE shall take action if the radioactive contaminants in the gaseous effluents exceed 3  $\mu$ Ci per calendar quarter. This action level was based on the CE semiannual effluent release reports for the past few years. CE was not notified in advance of this action level.

After receiving and evaluating the order, CE found the action level was below its current release rate. CE notified the staff informally that the gaseous effluent releases reported over the past few years were low because the stack effluent samples taken were not representative. A new sampling system was installed in 1978 and samples taken since January 1979 indicated larger gaseous effluents than previously reported. Accordingly, by letter dated February 28, 1980, CE requested the Commission to increase the action level from 3  $\mu$ Ci per calendar quarter to a level more consistent with its current emissions as measured from January 1979 through January 1980.

II. Discussion

In the January 28, 1980 order, the staff set an action level for gaseous effluents at 3  $\mu$ Ci per quarter, which was approximately equal to CE's reported semiannual release rate. This action level is equivalent to less than 0.2% of the EPA's 25 mrem/yr. standard specified in 40 CFR 190.

Data submitted by CE in their February 28, 1980 request indicates that the average emission level for calendar year 1979 was approximately 33  $\mu$ Ci. Based on these new data, the staff proposes an action level of 18  $\mu$ Ci per calendar quarter which would result in a lung dose to a critical individual at the

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nearest residence of approximately 0.024 mrem/yr. This dose is well below the 25 mrem/yr. standard as specified in 40 CFR 190. Therefore, this new action level will not cause a significant impact to the general public and the environment.

III. Conclusion

Issuance of the amendment with the action level of 18 µCi per calendar quarter is recommended.

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E. Y. Shum

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