

FEB 25 1970

Chairman Seaberg  
 Commissioner Ramsey  
 Commissioner Johnson  
 Commissioner Thompson  
 Commissioner Larson

# DRAFT TECHNICAL SPECIFICATIONS FOR THE MONTICELLO REACTOR

Attached for the Commission's consideration are revised draft technical specifications for the Monticello Reactor. This revised draft reflects comments made by members of the JCAE in the meeting with Commissioners Ramsey, Johnson and Larson and members of the Commission staff on February 21.

I would like to discuss the attached with the Commission at an early Information Meeting.

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Harold L. Price  
 Director of Regulation

Attachment:  
 Draft Technical Specifications

cc: General Counsel (2)  
 General Manager (2)  
 Secretariat (2)

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PROPOSED TECHNICAL SPECIFICATIONS ON RADIOACTIVE  
EFFLUENTS FOR THE MONTICELLO PLANT

LIMITING CONDITION FOR OPERATION

3.8 RADIOACTIVE EFFLUENTS

Applicability:

Applies to the gaseous and liquid radioactive effluents from the plant.

Objective:

To assure that radioactive material is not released to the environment in an uncontrolled manner and to assure that any material released is kept as low as practicable and, in any event, is within the limits of 10 CFR Part 20.

Specification:

A. Airborne Effluents

Radioactive gases released from the stack and reactor building vent shall be continuously monitored. A set of equations are given to express the airborne effluent limits. The symbols stand for the following:

$Q_1$  = release rate from Unit 1 stack

$Q_{RS}$  = release rate from Unit 1 reactor building vent

SURVEILLANCE REQUIREMENT

4.8 RADIOACTIVE EFFLUENTS

Applicability:

Applies to the periodic monitoring and recording of radioactive effluents.

Objective:

To ascertain that radioactive releases are being kept as low as practicable and within allowable values.

Specification:

A. Airborne Effluents

## LIMITING CONDITIONS FOR OPERATION

### D. General

It is expected that releases of radioactive material in effluents will be kept at small fractions of the limits specified in §20.106 of 10 CFR Part 20. At the same time the licensee is permitted the flexibility of operation, compatible with considerations of health and safety, to assure that the public is provided a dependable source of power even under unusual operating conditions which may temporarily result in releases higher than such small fractions, provided they are still well within the limits specified in §20.106 of 10 CFR Part 20. It is expected that in using this operational flexibility under unusual operating conditions the licensee will exert his best efforts to keep levels of radioactive material in effluents as low as practicable.

## SURVEILLANCE REQUIREMENT

### D. General

Operating procedures shall be developed and used, and equipment which has been installed to maintain control over radioactive materials in gaseous and liquid effluents produced during normal reactor operations, including anticipated operational occurrences, shall be maintained and used, to keep levels of radioactive material in effluent released to unrestricted areas as low as practicable.

The environmental monitoring program given in Table 4.8.1 shall be conducted.

A report shall be submitted to the Commission at the end of each six-months' period of operation specifying total quantities of radioactive material released to unrestricted areas in liquid and gaseous effluents during the previous six months and such other information on releases as may be required to estimate exposures to the public resulting from effluent releases. If the quantities of radioactive material released during the reporting period are considered unusual for normal reactor operations, including anticipated operational occurrences, the report shall specify measures that have been taken or will be taken to reduce the quantities of radioactive material in effluents to normal levels or shall explain why it is impracticable to take such measures. On the basis of such reports, the Commission may from time to time require the licensee to take such action as it deems appropriate.