

JAN 06 1983

DISTRIBUTION
Docket
NRC PDR
L PDR
NSIC
ORB#1 Rdg
DEisenhut
OELD
JMTaylor
ELJordan
ACRS-10
CParrish
DMcDonald
Gray
JRead

Docket Nos. 50-250
and 50-251

Dr. Robert E. Uhrig, Vice President
Advanced Systems and Technology
Florida Power and Light Company
Post Office Box 529100
Miami, Florida 33152

Dear Dr. Uhrig:

SUBJECT: CONTROL ROOM HABITABILITY, NUREG-0737 ITEM NO. III.D.3.4
REQUEST FOR ADDITIONAL INFORMATION

The staff has reviewed the additional information provided in your submittals dated June 9 and July 22, 1982, in response to our requests dated April 28 and May 3, 1982. We are unable to determine the acceptability of your proposed control room design based on the information provided and request additional clarification.

We will complete our review and issue a final Safety Evaluation upon resolution of the concerns identified in the enclosure to this letter.

Your response is requested within 60 days from the date of this letter. This letter affects fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by:
S. A. Varga

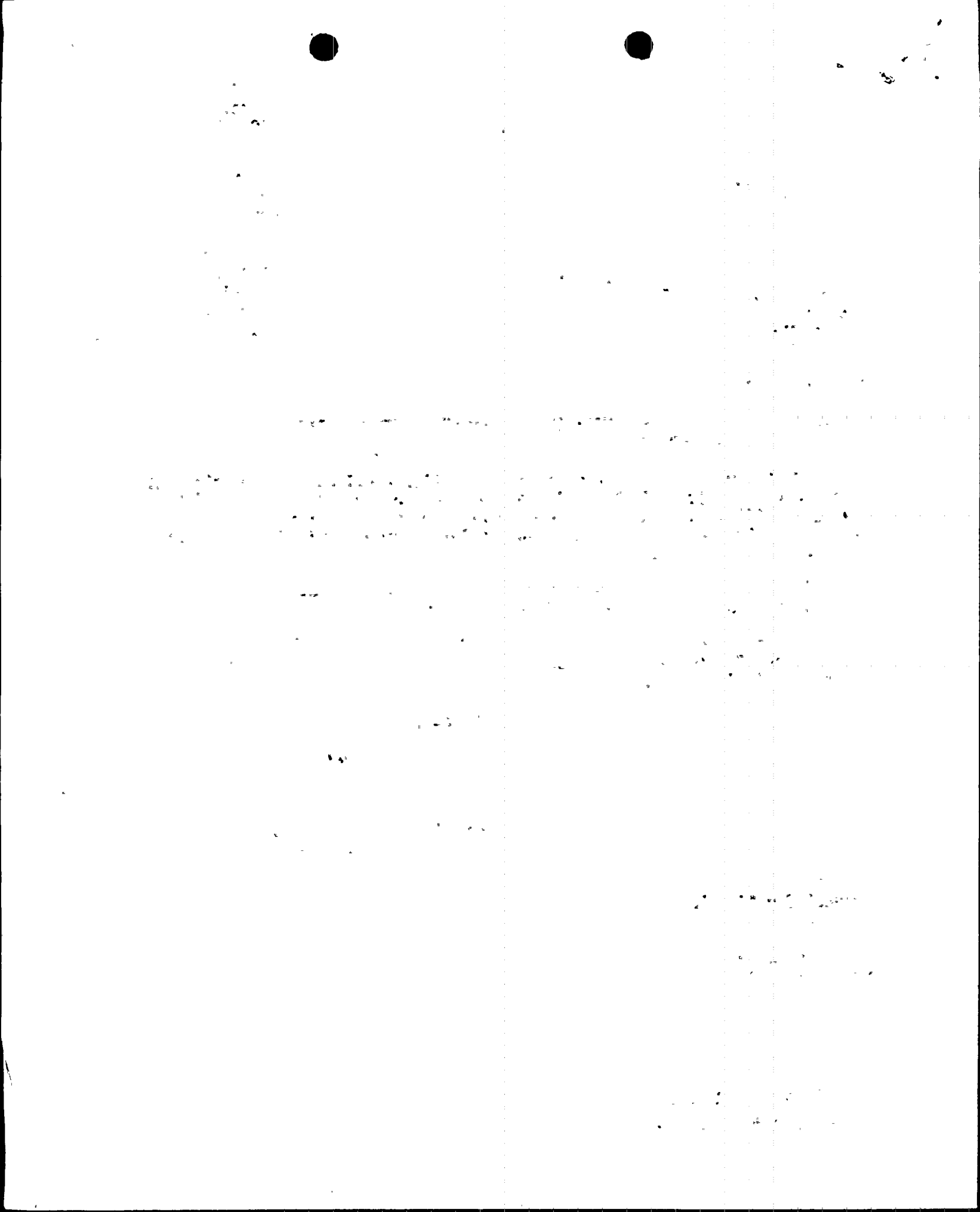
Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

8301110031 830106
PDR ADOCK 05000250
P PDR

OFFICE	ORB#1: DMcDonald	ORB#1: SVarga					
SURNAME	DMcDonald:dm	SVarga					
DATE	01/05/83	01/17/83					



Robert E. Uhrig
Florida Power and Light Company

cc: Harold F. Reis, Esquire
Lowenstein, Newman, Reis and Axelrad.
1025 Connecticut Avenue, N.W.
Suite 1214
Washington, D. C. 20036

James P. O'Reilly
Regional Administrator - Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street - Suite 3100
Atlanta, Georgia 30303

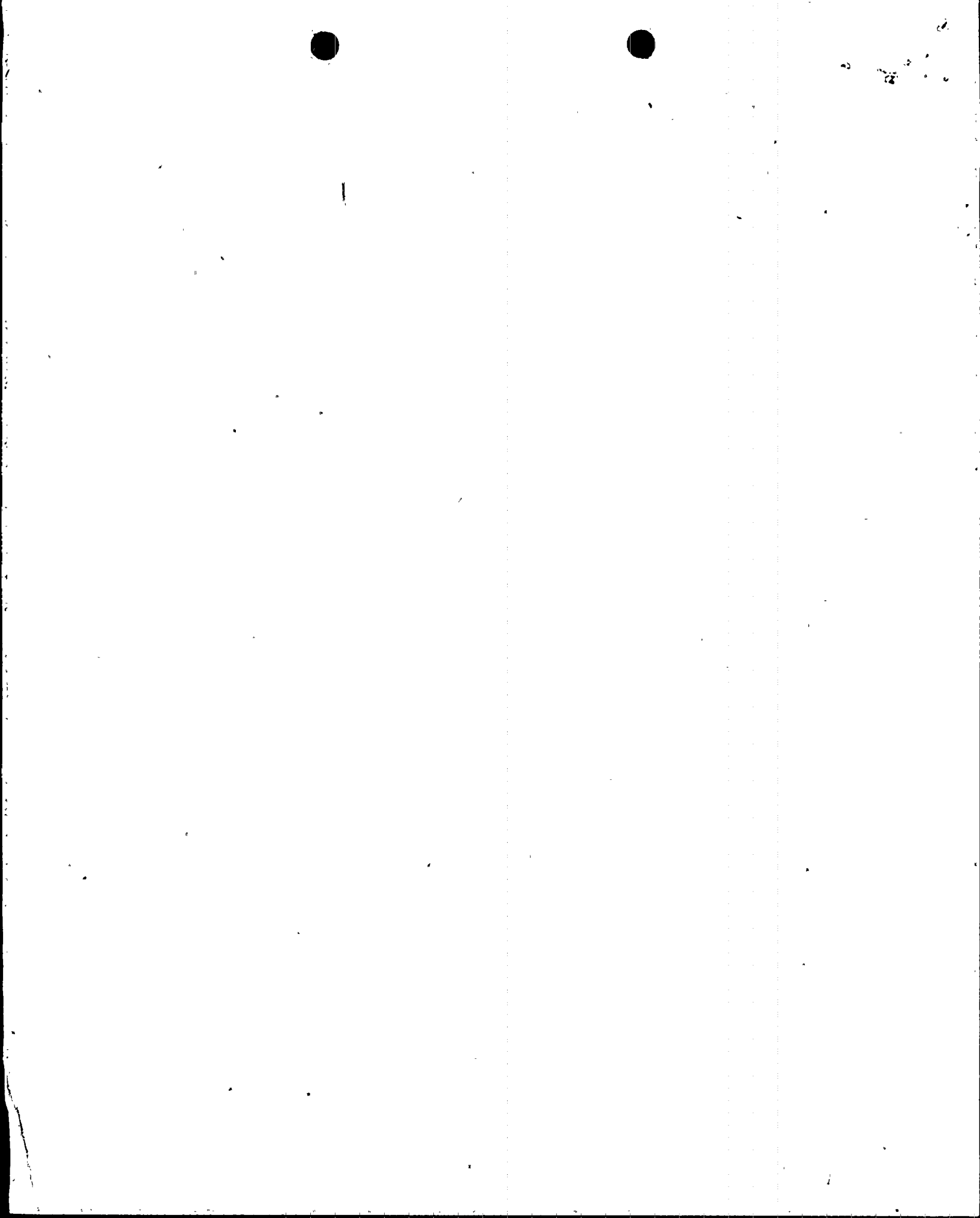
Norman A. Coll, Esquire
Steel, Hector and Davis
1400 Southeast First National
Bank Building
Miami, Florida 33131

Mr. Henry Yaeger, Plant Manager
Turkey Point Plant
Florida Power and Light Company
P. O. Box 013100
Miami, Florida 33101

Mr. Jack Shreve
Office of the Public Counsel
Room 4, Holland Building
Tallahassee, Florida 32304

Administrator
Department of Environmental Regulation
Power Plant Siting Section
State of Florida
2600 Blair Stone Road
Tallahassee, Florida 32301

Resident Inspector
Turkey Point Nuclear Generating Station
U. S. Nuclear Regulatory Commission
Post Office Box 1207
Homestead, Florida 33030



REQUEST FOR ADDITIONAL INFORMATIONCONTROL ROOM HABITABILITY

The control room habitability systems must operate under all postulated conditions to permit the control room operators to remain in the control room and to take appropriate actions as required by General Design Criterion (GDC) 19.

- 1.0 The control room habitability systems, as engineered safety features, must be capable of performing their safety-related function given the failure of any single active component. It appears, based on the information provided, that the failure of any one of the following active components could result in the loss of the required ventilation system functions:
- a) normal intake isolation damper, D-1
 - b) emergency supply fan, SF-1
 - c) volume control damper, D-20

In addition, it would be necessary to close volume control damper D-20, if either emergency intake damper D-2 or D-3 were unable to close when isolation and recirculation were demanded. The July 22, 1982, response refers to D-20 as "fixed."

Provide justification that the failure of any one of the active components identified above will not result in the loss of the required ventilation system safety functions or provide proposed design modifications.

- 2.0 To comply with GDC-19, the staff requires radiation monitors in the normal air intake to initiate isolation of that intake upon detecting radiation well above background and for radiation monitors in the emergency intakes to permit operators to minimize control room doses in the event of an accident.

You have indicated that any onsite release would either cause control room ventilation isolation by other signals, or would result in doses in the control room under normal ventilation that were below GDC-19 limits. The staff requires that GDC-19 limits do not supercede 10 CFR Part 20 requirements except for the most severe accidents, nor do we believe that failure to protect the control room against contamination from minor accidental releases is an acceptable risk. In addition, you have indicated that the emergency intakes are used only during accidents and radiation monitors there would only serve to quantify what the control room operators would expect. Our position is that radiation monitors in the emergency intakes provide information which would be of value to the operators in minimizing their doses, and constitute sources of information useful in responding to accidents of much greater value than that obtainable from detectors within the control room itself.

Provide additional justification or a commitment to install radiation monitors in the normal and emergency air intakes.

