



**Commonwealth Edison**

One First National Plaza, Chicago, Illinois

Address Reply to: Post Office Box 767  
Chicago, Illinois 60690

January 15, 1985

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: LaSalle County Station Units 1 and 2  
Proposed Technical Specification Change  
Clarification of Standby Gas Treatment  
Heater Rating  
NRC Docket Nos. 50-373 and 50-374

Dear Mr. Denton:

Pursuant to 10 CFR 50.59 Commonwealth Edison proposes a change to the Technical Specifications for LaSalle County Station Units 1 and 2. The proposed change now specifies the kW capacity be corrected for voltage variation for the SBGTS duct heater when it is tested. The current Technical Specifications do not specify any voltage rating and therefore allows for some ambiguity in interpretation. This ambiguity was discovered upon testing of the new EQEE qualified duct heaters for the Standby Gas Treatment System.

The intent of the specification is to determine if the duct heater performance has degraded. Identification of the rated voltage value of 480 volts in conjunction with changing the kW capacity to the value at rated voltage for the new heaters and allowing a 10 percent variance in kW capacity meets the intent of the existing technical specifications. This is consistent with the existing technical specification for the SBGTS heater which identifies the capacity as 20 kW + 2 kW (i.e., 10%) at 460 volts, the rated voltage for a 20 kW heater.

We have reviewed this proposed change, in general, with members of your staff and Region III personnel who agree that this change is consistent with the original bases for the Technical Specification. Therefore, this clarifying amendment is being submitted as an administrative change.

A discussion of the basis of the proposed amendments is provided in Attachment 1. The proposed changes have received On-Site and Off-Site review and approval and are enclosed in Attachment 2. We have reviewed these amendment requests and find that no significant hazard consideration exists. Our review is documented in Attachment 3.

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H. R. Denton

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January 15, 1985

Pursuant to 10 CFR 170, a fee remittance of \$150.00 has been enclosed.

Commonwealth Edison is notifying the State of Illinois of our request for these amendments by transmittal of a copy of this letter and its attachments to the designated State Official.

Please address any questions you may have concerning this matter to this office.

Three (3) signed originals and thirty-seven (37) copies of this transmittal are being provided for NRC review.

Very truly yours,



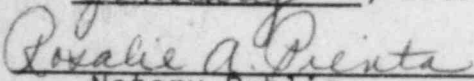
B. Rybak  
Nuclear Licensing Administrator

lm

cc: J. Keppler - Region III  
M. Parker - IDNS  
Resident Inspector - LSCS

Attachments

SUBSCRIBED AND SWORN to  
before me this 15th day  
of January, 1985

  
Notary Public

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## ATTACHMENT 1

### BASIS FOR PROPOSED TECHNICAL SPECIFICATION CHANGE REQUEST LASALLE COUNTY UNITS 1 AND 2

SUBJECT: Standby Gas Treatment Duct Heater Surveillance Requirement

REFERENCES (1): FSAR Section 6.5.1.2.1.c.4.  
(2): N510-1975, Testing of Nuclear Air-Cleaning System

#### BACKGROUND

The duct heaters for the Standby Gas Treatment System are designed to reduce the relative humidity of the airflow to a maximum of 70% RH at the worst inlet conditions. A 20 kW single stage heater was originally installed to provide this function (Reference 1). These heaters are provided with surveillance requirements to ensure they provide their design function.

#### DISCUSSION

The Technical Specifications and Reference 2 provide surveillance requirements to ensure that these heaters perform their design function. Reference 2 requirements are covered in Section 14 of that document. The Technical Specification requirements are covered in FSAR Section 6.5.1.2.1.c.4. The duct heater is sized to provide a minimum of 47,000 BTU/hr at 95°F inlet temperature. There is no maximum size heater limit as described in the FSAR. However, Technical Specification 4.6.5.3.d.3 requires that the heater maintain 20 kW  $\pm$  2 kW. The acceptance range is provided to ensure that heater degradation is detected. The requirement of Reference 2 to maintain a 5% difference between phases will also detect a potential failure of the heater. The proposed specification will still require this standard to be followed and the acceptance range to be maintained, however, the heater rating is raised to 23 kW at 480V. In addition, due to variations in bus voltage, the  $\pm$  2 kW cannot be maintained for all possible supply voltages. The variations in bus voltage are maintained within design limits but the restriction of  $\pm$  2 KW can only apply when the heater power dissipation is corrected for bus voltage variations. The diesel generator loading is not significantly effected by the 3 KW increase in the heater rating. In addition the possible increase in heater downstream temperature due to the increased limit is acceptable as the system would need to see greater than 88 kW input before the thermal cutoff setting of 220°F is reached.

ATTACHMENT 2

PROPOSED CHANGE TO  
TECHNICAL SPECIFICATION

LASALLE COUNTY STATION UNITS 1 and 2

UNIT 1

Revised Pages: 3/4 6-41

UNIT 2

Revised Pages: 3/4 6-44