

Docket Nos.: 50-440
and 50-441

JUN 26 1985

Mr. Murray R. Edelman, Vice President
Nuclear Operations Group
The Cleveland Electric Illuminating Company
P. O. Box 5000
Cleveland, Ohio 44101

Dear Mr. Edelman:

Subject: Request for Additional Information Regarding the Air Quality
Standard for the Service Air System Changed in FSAR Amendments
17/18 - Perry Nuclear Power Plant (Units 1 and 2)

On the basis of its review of FSAR Amendment 17 and 18, the staff has identified the need for the enclosed additional information. The information required concerns the basis upon which the air quality standard for the service air systems has been changed from 3 to 40 microns for maximum allowable particle size.

Please advise the Perry Project Manager when we may expect to receive your reply within 5 days after receipt of this letter.

Sincerely,

(S)

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

Enclosure: As stated

cc: See next page

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Docket File

NRC PDR	BGrimes
Local PDR	EJordan
PRC System	LSRubenstein
NSIC	ODParr, ASB/DSI
LB#1 R/F	JWilson, ASB/DSI
MRushbrook	JRaval, ASB/DSI
JStefano	
OELD	
ACRS (16)	
JPartlow	

LB#1/DL
JStefano/mac

6/28/85

LB#1/DL
BJYoungblood

6/28/85

*PWOC
for BJSY*

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PDR ADDCK 05000440
A PDR

JUN 26 1985

Mr. Murray R. Edelman
The Cleveland Electric
Illuminating Company

Perry Nuclear Power Plant
Units 1 and 2

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AUXILIARY SYSTEMS BRANCH
REQUEST FOR ADDITIONAL INFORMATION
PERRY NUCLEAR POWER PLANTS, UNITS 1 AND 2
DOCKET NOS. 50-440 AND 50-441

Process Auxiliaries- Compressed Air Systems

1. FSAR Section 9.3.1, as revised per previous amendment(s) issued, including Amendment 17, and FSAR Section 6.8.4, as revised under Amendment 18 states the following:
 - a. "The system meets the design guidelines of ANSI Standard MC-11-1 (ISA-S7.3) with the exception that the maximum allowable particle size for air to safety related equipment is 40 microns."
 - b. "During operation, instrument air quality will be tested, on an annual basis, at the filter discharge for dewpoint and particulate contamination. The required air quality to safety related components supplied from this system is: zero particulates larger than 40 microns, dewpoint less than -40°F. On failure to meet acceptable air quality, branch lines will be tested to determine the extent of the problem and corrective action needed."
 - c. "Air quality will be tested on a yearly basis downstream of the purifier package for dewpoint and particulate contamination. The required air quality to safety-related components supplied from this system is: zero particulates larger than 40 microns and a dewpoint less than -40°F."

In order for us to evaluate these statements provide the following information:

1. Provide the basis for your system design deviation from three(3) micron ANSI, MC-11-1 limit to 40 microns proposed limit for the air quality.

- b. Provide verification that the involved safety related equipment will perform its intended functions utilizing the proposed 40 microns instrument air quality. Provide listing of the safety related equipment and corresponding manufacturer's recommended air quality.
- c. Verify that the air quality, at the INLET of the involve safety related equipment, will meet the proposed 40 micron limit in order to perform its intended function. Provide procedures and/or technical specifications to test, detect, and correct the degradation of the proposed instrument air quality at the INLET of the involved safety related equipment in order to assure its intended operation.