

SEP 21 1981

Docket No. 50-295  
Docket No. 50-304

Commonwealth Edison Company  
ATTN: Mr. Cordell Reed  
Vice President  
Post Office Box 767  
Chicago, IL 60690



Gentlemen:

This refers to the routine safety inspection conducted by Messrs. D. E. Miller and P. C. Lovendale of this office on August 17-19, 27, and 28, 1981, of activities at Zion Nuclear Power Station, Units 1 and 2, authorized by NRC Operating Licenses No. DPR-39 and No. DPR-48 and to the discussion of our findings with Mr. K. Graesser and others at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of a selective examination of procedures and representative records, observations, independent measurements, and interviews with personnel.

No items of noncompliance with NRC requirements were identified during the course of this inspection.

We are concerned, however, that gaseous waste system leakage might result in excessive releases to the environment in the event of adverse operating conditions such as a leaky fuel element or during an accident or post accident recovery. Please evaluate this matter and advise us in writing of the results of your evaluation within twenty-five days. Also, please update your response, dated August 19, 1980, to the Health Physics Appraisal Significant Finding concerning gaseous waste system leakage.

Additionally, we note that you have not performed the evaluation of radiation protection and chemistry RCT job function separation as previously agreed upon (ltr. Keppler to Reed dtd. 5/14/80). Please include your schedule for completion of this evaluation in your response to this letter.

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In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, the enclosures, and your response to this letter will be placed in the NRC's Public Document Room. If the enclosures contain any information that you or your contractors believe to be exempt from disclosure under 10 CFR 9.5(a)(4), it is necessary that you (a) notify this office by telephone within seven (7) days from the date of this letter of your intention to file a request for withholding; and (b) submit within twenty-five (25) days from the date of this letter a written application to this office to withhold such information. Section 2.790(b)(1) requires that any such application must be accompanied by an affidavit executed by the owner of the information which identifies the document or part sought to be withheld, and which contains a full statement of the reasons which are the bases for the claim that the information should be withheld from public disclosure. This section further requires the statement to address with specificity the considerations listed in 10 CFR 2.790(b)(4). The information sought to be withheld shall be incorporated as far as possible into a separate part of the affidavit. If we do not hear from you in this regard within the specified periods noted above, a copy of this letter, the enclosures, and your response to this letter will be placed in the Public Document Room.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

"Original Signed by C.E. Norelius"

C. E. Norelius, Director  
Division of Engineering and  
Technical Inspection

Enclosure: IE Inspection  
Reports No. 50-295/81-21  
and No. 50-304/81-17

cc w/encl:

Louis O. DelGeorge  
Director of Nuclear  
Licensing

K. Graesser, Station  
Superintendent

DMB/Document Control Desk (RIDS)

Resident Inspector, RIII

Mary Jo Murray, Office of  
Assistant Attorney General

RIII  
*MS*  
Miller/jp  
9/16/81

RIII  
*MS*  
Lovendale

RIII  
*GR*  
Greger  
9/17

RIII  
*RR*  
Reimann  
9/18

RIII  
*BN*  
Norelius  
9/18/81