



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
December 1, 1988

MEMORANDUM FOR: Sholly Coordinator

FROM: Janice A. Stevens, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

SUBJECT: REQUEST FOR PUBLICATION IN BI-WEEKLY FR NOTICE - NOTICE
OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE AND PROPOSED NO SIGNIFICANT HAZARDS
CONSIDERATION DETERMINATION AND OPPORTUNITY FOR A HEARING
(TAC 69550)

Illinois Power Company, Soyland Power Cooperative, Inc., Western Illinois
Power Cooperative, Inc., Docket No. 50-461, Clinton Power Station, Unit No. 1,
DeWitt County, Illinois

Date of amendment request: May 18, 1988

Description of amendment request: This proposed amendment would revise
Technical Specification Table 4.11.2-1 to include several changes regarding
Note "c." This note is attached to the monthly sampling and analysis
requirements for the "Station HVAC Exhaust." The note imposes (in addition to
the normal periodic monthly sampling and analysis) an additional requirement
or trigger for performing sampling and analysis "following shutdown, startup,
or a THERMAL POWER change exceeding 15% of RATED THERMAL POWER within a 1-hour
period." The intent of the proposed revision is that this note should contain
the provisional exclusion which effectively states that the additional
requirement (of performing sampling and analysis following a plant shutdown,
startup or a THERMAL POWER change exceeding 15% of RATED THERMAL POWER within
a 1-hour period) is not applicable if DOSE EQUIVALENT I-131 concentration in
the reactor coolant has not increased by more than a factor of three or the noble

gas monitor shows that effluent activity has not increased by more than a factor of three.

The provisional exclusion is applicable to this note because the extra associated sampling and analysis requirements are triggered if conditions are such that fuel leaks or cladding failures may be suspected as associated with the iodine spiking phenomenon. Such occurrences, which may be indicated by an observed increase in the offgas activity level along with a determined increase in the DOSE EQUIVALENT I-131 concentration, would most likely be observed during a THERMAL POWER change or following a plant startup or shutdown. The extra sampling and analyses should not therefore be required if no significant increase in DOSE EQUIVALENT I-131 or offgas activity level has been indicated.

An additional change is proposed for Note "c" concerning the sampling and analysis for tritium. The licensees believe that the requirements of Note "c" are not applicable to tritium because significant increases in the level of tritium are not expected or associated with the iodine spiking phenomenon indicative of fuel leaks or cladding failures. Due to the current format of Table 4.11.2-1 in the Clinton Technical Specifications, it appears that the requirements of Note "c" include sampling and analysis for tritium. Thus, a change to Table 4.11.2-1 is proposed to separate Note "c" and Note "e." (Note "e" is applicable to tritium while Note "c" is not).

Basis for proposed no significant hazards consideration determination: The staff has evaluated this proposed amendment and determined that it involves no significant hazards considerations. According to 10 CFR 50.92(c), a proposed amendment to an operating license involves no significant hazards consideration

if operation of the facility in accordance with the amendment would not:

- (1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or
- (2) Create the possibility of a new or different kind of accident from any accident previously evaluated; or
- (3) Involve a significant reduction in a margin of safety.

The proposed changes do not involve a significant increase in the probability or consequences of an accident previously evaluated because the proposed exclusion to the particular testing (i.e., specially triggered isotopic analysis of the HVAC Common Stack effluent) is only allowed when conditions are such that the iodine spiking phenomenon is not indicated. The change to the table format (i.e., separating Notes "c" and "e") is an administrative change proposed to clarify existing requirements and does not change the intent of the Specification.

The proposed changes do not create the possibility of a new or different kind of accident from any accident previously evaluated because the proposed changes introduce no changes to plant design or operation of the facility.

The proposed changes do not involve a significant reduction in a margin of safety because, as noted above, they are consistent with the intent of the Technical Specifications and yet eliminate unnecessary sampling and analyses which would otherwise appear to be required without the proposed changes. The proposed changes do not eliminate any testing that should be performed if a fuel problem (i.e., iodine spiking occurrence) is indicated. Eliminating unnecessary testing reduces the risks associated with human error, potentially

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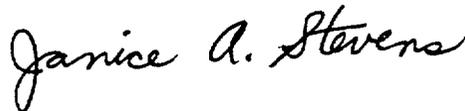
reduces exposure to personnel, and allows efforts to be devoted to other areas of greater concern.

For the reasons stated above, the staff believes this proposed amendment involves no significant hazards consideration.

Local Public Document Room location: Vespasian Warner Public Library, 120 West Johnson Street, Clinton, Illinois 61727

Attorney for licensee: Sheldon Zabel, Esq., Schiff, Hardin and Waite, 7200 Sears Tower, 233 Wacker Drive, Chicago, Illinois 60606

NRC Project Director: Daniel R. Muller



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