



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

November 20, 1992

Docket Nos. 50-280
and 50-281

Posted
Bases Change to DPL-37

Mr. W. L. Stewart
Senior Vice President - Nuclear
Virginia Electric and Power Company
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Dear Mr. Stewart:

SUBJECT: PROPOSED REVISION TO TECHNICAL SPECIFICATION BASES FOR SURRY POWER STATION, UNITS 1 AND 2 - OPERATION OF THE AUXILIARY VENTILATION SYSTEM (TAC NOS. M84472 AND M84473)

On September 4, 1992, Virginia Electric and Power Company requested the Nuclear Regulatory Commission's review and approval of proposed changes to the Technical Specification (TS) Bases for the Surry Power Station, Units 1 and 2. Specifically, your request involves a change to expand the description of the auxiliary ventilation damper alignment when a safety injection signal is received and fuel handling is in progress, and an administrative change to the definition of the term, "HEPA."

The staff's safety evaluations of January 17, 1984, and January 16, 1985, addressed the inclusion of the ventilation system requirements, and the evaluation of fuel handling accident consequences. However, the Basis of TS 3.22, Auxiliary Exhaust Filter trains did not include a discussion of the manual operation of the auxiliary ventilation system dampers for the containment and the fuel building when handling irradiated fuel that is being, or has been recently discarded from the reactor. Also, the phrase, "high efficiency particulate absolute (HEPA)" is being changed to "high efficiency particulate air (HEPA)." This change is considered administrative in nature and makes the TS Bases consistent with the terminology of Regulatory Guide 1.52. The staff finds that the proposed changes do not represent an unreviewed safety question, and finds them acceptable. The revised Bases page is enclosed.

Mr. W. L. Stewart

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November 20, 1992

Any questions pertaining to this matter can be directed to me at (301) 504-1452.

Sincerely,

Original signed by
Bart C. Buckley, Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
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Enclosure:
Revised Bases Page TS 3.22-2

cc w/enclosure:
See next page

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NAME	ETana <i>ETT</i>	FRinaldi <i>FRinaldi</i>	BBuckley:kj <i>BCB</i>	CGrimes
DATE	11/20/92	11/20/92	11/20/92	10/29/92

OFC	SPLB*	PDII-2/D <i>BCB</i>		
NAME	CMcCracken	HBerkow		
DATE	10/06/92	11/20/92		

DOCUMENT NAME: SU84486

Basis

TS 3.22-2

The purpose of the filter trains located in the auxiliary building is to provide standby capability for removal of particulate and iodine contaminants from the exhaust air of the charging pump cubicles of the auxiliary building, fuel building, decontamination building, containment (during shutdown) and safeguards building adjacent to the containment which discharge through the ventilation vent and could require filtering prior to release. During normal plant operation, the exhaust from any one of these areas can be diverted, if required, through the auxiliary building filter trains remotely from the control room. The safeguards building exhaust and the charging pump cubicle exhaust are automatically diverted through the filter trains in the event of a LOCA (diverted on a safety injection signal). The fuel building exhaust and purge exhaust are aligned to continuously pass through the filters during spent fuel handling.

When irradiated fuel is being handled, the system is manually placed in alignment to ensure the exhaust from the fuel handling areas passes through the filters. The automatic alignment feature of the ventilation system, which initiates on a safety injection signal, is defeated unless the fuel has decayed for a sufficient period of time such that the radiological consequences of a fuel handling accident would be acceptable without iodine filtration. Defeating the automatic alignment feature requires that, in the event of a LOCA, manual actions be taken to realign the ventilation system to the charging pump cubicles and safeguards areas following actions to secure fuel handling activities.

High efficiency particulate air (HEPA) filters are installed before the charcoal adsorbers to prevent clogging of the iodine adsorbers. The charcoal adsorbers are installed to reduce the potential release of radioiodine to the environment.

r. W. L. Stewart
Virginia Electric and Power Company

Surry Power Station

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