REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
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RECIP.NAME RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

SUBJECT: Submits change to draft Tech Spec 4.6.5.3, "Standby Gas treatment Sys." Marked-up Tech Specs encl.

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July 6, 1982

Mr. A. Schwencer, Chief
Licensing Branch No., 2
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
SGTS TECH SPEC
ER 100450 FILE 841-2 Docket Nos. 50-387
PLA-1171 50-388

Dear Mr. Schwencer:

It is requested that the following change be made to the draft Technical Specifications for incorporation into the Operating License for Susquehanna Steam Electric Station, Unit 1:

Specification 4.6.5.3, Standby Gas Treatment System
Pages 3/4 6-35 and 3/4 6-36

- Change test flowrate from 10,500 cfm ±10% to 10,100 cfm ±10% as shown on Attachment 1A

Justification
The safety related flow requirement for SGTS is established by the capability to draw down the Reactor Building to 1/4" water vacuum in less than 60 seconds and to maintain that negative pressure against Reactor Building in leakage. This requirement is significantly less than the design capability of approximately 10,500 cfm which supports the containment purge function. Since it is possible for the fans to operate near the maximum capability, it is important to perform the operability tests at this value.

B001

However, actual preoperational test results show that the maximum flowrate attainable with clean filters installed is only about 10,100 cfm. The requested change reflects actual equipment capability without compromising any safety requirements.

Very Truly yours,

David P. Moyer for

N. W. Curtis
Vice President - Engineering & Construction - Nuclear

RRS
Attachments

cc: R. L. Perch - NRC
R. R. Bottimore - NRC

b. At least once per 18 months or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) following painting, fire or chemical release in any ventilation zone communicating with the subsystem by:

1. Verifying that the subsystem satisfies the in-place testing acceptance criteria and uses the test procedures of Regulatory Positions C.5.a, C.5.c and C.5.d of Regulatory Guide 1.52, Revision 2, March 1978, and the system flow rate is ~~10,500~~ 10,100 cfm ± 10%.

2. Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.

3. Verifying a subsystem flow rate of ~~10,500~~ 10,100 cfm ± 10% during system operation when tested in accordance with ANSI N510-1975.

c. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.

d. At least once per 18 months by:

1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 13 inches Water Gauge while operating the filter train at a flow rate of ~~10,500~~ 10,100 cfm ± 10%.

2. Verifying that the filter train starts and associated dampers open on each of the following test signals:

   a. Manual initiation from the control room, and

   b. Simulated automatic initiation signal.

3. Verifying that the filter cooling bypass and outside air dampers open and the fan start on filter cooling initiation.

4. Verifying that the temperature differential across each heating coil is ≥ 17°F when tested in accordance with ANSI N510-1975.

SURVEILLANCE REQUIREMENTS (Continued)

e. After each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter banks remove greater than or equal to 99.95% of the DOP when they are tested in-place in accordance with ANSI N510-1975 while operating the system at a flow rate of ~~10,500~~ 10,100 cfm ± 10%.

f. After each complete or partial replacement of a charcoal adsorber bank by verifying that the charcoal adsorbers remove greater than 99.95% of a halogenated hydrocarbon refrigerant test gas when they are tested in-place in accordance with ANSI N510-1975 while operating the system at a flow rate of ~~10,500~~ 10,100 cfm ± 10%.

APR 29 1982