

May 8, 2002

MEMORANDUM TO: File

FROM: Jack N. Donohew, Senior Project Manager, Section 2 **/RA/**
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: RESPONSE TO QUESTIONS ON VENTILATION FILTER TEST
PROGRAM LICENSE AMENDMENT REQUEST FOR PALO VERDE
UNITS 1, 2, AND 3 (TAC NOS. MB3693, MB3694, AND MB3695)

In the application of December 13, 2001 (102-04632), Arizona Public Service Company submitted a license amendment request to amend Section 5.5.11.d, "Ventilation Filter Testing Program (VFTP)," of the Technical Specifications for Palo Verde Nuclear Generating Station, Units 1, 2 and 3 (Palo Verde).

In reviewing the application, the NRC staff had the following questions:

1. In Enclosure 2 of the application, "APS' Evaluation," it is stated on page 3 of 7 that two calculations established a new lower design dirty D/P (i.e., delta pressure) for the filter units to ensure that the filter units are capable of (1) delivering the design flows at "100% maximum dirty filter condition" and (2) meeting the adsorber residence time when the filters are clean. Are the calculations based on field measurements using the filter units?
2. Also explain what is meant by "100% maximum dirty filter condition" in the application?

The attached e-mail dated April 24, 2002, from APS provides the licensee's responses. These responses clarify the information provided in the above application.

Docket Nos.: STN 50-528, STN 50-529, and STN 50-530

Attachment: E-mail Dated April 24, 2002

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In reviewing the application, the NRC staff had the following questions:

3. In Enclosure 2 of the application, "APS' Evaluation," it is stated on page 3 of 7 that two calculations established a new lower design dirty D/P (i.e., delta pressure) for the filter units to ensure that the filter units are capable of (1) delivering the design flows at "100% maximum dirty filter condition" and (2) meeting the adsorber residence time when the filters are clean. Are the calculations based on field measurements using the filter units?
4. Also explain what is meant by "100% maximum dirty filter condition" in the application?

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Attachment: E-mail Dated April 24, 2002

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ACCESSION NO.: ML021220025

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NAME	JDonohew:as	MMcAllister	SDembek
DATE	5/7/2002	5/7/02	5/7/02

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E-MAIL DATED APRIL 24, 2002

From: "Weber, Thomas N(Z00499)" <TWEBER01@apsc.com>
To: "Jack Donohew (NRC)" <jnd@nrc.gov>
Date: 4/24/02 4:55PM
Subject: FW: Ventilation Filter Testing Amendment Request

Jack,

Here are the answers to the NRC "Ventilation Filter Testing Amendment Request" questions below

1) Are the two calculations based on field measurements using the filter units?

The calculations were both based on a combination of final air balance reports, surveillance and start-up test data of the air filtration units (AFUs) with analysis of their corresponding fan curves at various blade settings.

2) Explain what "100% maximum dirty filter condition" means.

100% maximum dirty filter conditions means 1 times the maximum allowable design differential pressure for the filters to maintain the minimum design air flow rate.

-----Original Message-----

From: Jack Donohew [mailto:JND@nrc.gov]
Sent: Wednesday, March 27, 2002 3:04 PM
To: Weber, Thomas N(Z00499)
Cc: Vincent Klco
Subject: Ventilation Filter Testing Amendment Request

In the application dated December 13, 2001, the Delta P for the CREFS and ESF PREACS are proposed to be reduced. In Enclosure 2 of the application, "APS' Evaluation," it is stated on page 3 of 7 that two calculations established a new lower design dirty D/P (i.e., Delta P) for the filter units to ensure that the filter units are capable of (1) delivering the design flows at "100% maximum dirty filter condition" and (2) meeting the adsorber residence time when the filters are clean. Our question is the following: are the two calculations based on field measurements using the filter units? Would you also explain what "100% maximum dirty filter condition" means?

<JND>

CC: "Proctor, James A(Z76277)" <JPROCTOR@apsc.com>