

TAC No: MB4977

ORIGINAL DUE DT: 05/16/02

TICKET NO: 020020128

FROM:  
Richard Finlayson

DOC DT: 04/14/02

NRR RCVD DATE: 05/02/02

TO:  
Brian Sheron

FOR SIGNATURE OF :                   \*\* YEL \*\*

Sheron

DESC:  
Reactor Pressure Head Degradation at the  
Davis-Besse Nuclear Power Station in Oak Harbor,  
Ohio

ROUTING:  
Collins/Johnson  
Sheron  
Borchardt  
NRR Mailroom

ASSIGNED TO:                   CONTACT:  
DLPM                           Zwolinski

SPECIAL INSTRUCTIONS OR REMARKS:

Sunday, April 14, 2002

Dr. Brian W. Sheron  
Associate Director for Project Licensing and Technical Analysis  
Office of Nuclear Reactor Regulation  
Mail Stop O5-E7  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Dear Dr. Sheron,

I am writing this letter in response to the recent incident (early March 2002) of "Reactor Pressure Head Degradation" at the Davis-Besse Nuclear Power Station in Oak Harbor, Ohio. Severe corrosion was found on a reactor pressure vessel head and in turn necessitated inspections at 69 nuclear reactors across the country. Our company, Physical Acoustics Corporation of Princeton Junction, NJ has a technology that, if installed on the heads, could have detected the corrosion as it was developing and verified the wall loss well before it got to the critical level found on the Davis-Besse head. This technology involves active and passive monitoring technology that we have developed and refined over the last 22 plus years of doing business in the physical acoustics market.

We would like your assistance in reaching parties who might be interested in our technology and possibly installing our sensors and detection system on their reactor pressure vessel heads as continuous "health" monitors. I would assume the individuals that need to be contacted are at the individual nuclear power generation sites and located in the Operations Department. Can you suggest a way that we can contact them or could you suggest a better way to approach this problem? In addition, if there is a meeting coming up where we could give an oral presentation of our technology, we would be more than happy to address all interested parties.



Once we have been put in contact with the interested parties, we would be more than happy to travel to any site to present our technology. Thank you for your assistance in this matter and I look forward to your response. Please feel free to contact me at any time.

Yours truly,

*Richard D. Finlayson* 

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