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ACCESSION NBR: 8809210174 DOC. DATE: 88/09/15 NOTARIZED: NO DOCKET #
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 50-296 Browns Ferry Nuclear Power Station, Unit 3, Tennessee 05000296

AUTH. NAME AUTHOR AFFILIATION
 SCHMIERBACH, M. Tennessee Valley Authority
 RECIP. NAME RECIPIENT AFFILIATION
 HORN, C. Alabama, State of

SUBJECT: Notifies that use of sodium nitrate as corrosion inhibitor identified at plant.

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TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

SEP 15 1988

Mr. Charles Horn, Chief
Water Division
Alabama Department of Environmental
Management
1751 Federal Drive
Montgomery, Alabama 36130

Attention: Ms. Treena G. Piznar

Dear Mr. Horn:

BROWNS FERRY NUCLEAR PLANT (BFN) - NPDES PERMIT NO. AL0022080 - UNIDENTIFIED
SODIUM NITRITE USE

In accordance with Part II.B.2(b) of the NPDES permit, this is to notify you that we have identified the use of sodium nitrite as a corrosion inhibitor at BFN. The use of sodium nitrite is not identified in BFN's NPDES permit application. A reagent grade form of the chemical is used in various plant air conditioning systems and the reactor building closed cooling water system. Also, a Nalco product containing sodium nitrite is used in the diesel generators.

During ongoing maintenance activities, there is the possibility that leaks in these systems will allow the discharge of sodium nitrite at low levels. The plant air conditioning systems (discharge serial number (DSN) 107 and 110), reactor building closed cooling water system (DSN 104), and diesel generator cooling systems (DSN 108 and 109) would be points of concern. If applicable system trending data indicates a possible leak, the appropriate discharge point(s) will be checked. If a leak is found, BFN will monitor the discharge point until the leak is eliminated. The concentration of nitrite in the diffuser is not expected to exceed 1 part per million. The use of sodium nitrite will be addressed in the new NPDES permit application which BFN will submit for your review in January 1989.

8809210174 880915
PDR ADOCK 05000259
P PDC

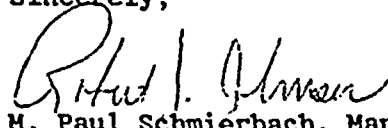
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Mr. Charles Horn

SEP 15 1988

If your staff has any questions regarding this notification, please have them call Abraham H. Loudermilk at (615) 632-6714 in Knoxville, Tennessee.

Sincerely,

for 
M. Paul Schmierbach, Manager
Environmental/Quality

cc: Mr. K. P. Barr, Acting Assistant Director
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U.S. Nuclear Regulatory Commission
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10/10/10