

# DUKE POWER COMPANY

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HAL B. TUCKER  
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NUCLEAR PRODUCTION

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October 28, 1982

Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Re: McGuire Nuclear Station Unit 1  
Docket No. 50-369

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LBNRG REGION II  
ATLANTA, GEORGIA

Dear Mr. O'Reilly:

The following is additional information relating to Reportable Occurrence Report RO-369/82-66 which was submitted by Mr. H. B. Tucker's letter of September 10, 1982. The original report is still applicable.

RO-369/82-66 reported failures of the Ventilation Unit Condensate Drain Tank (VUCDT) Flow Totalizer in which the totalizer either failed to count during a VUCDT to Condenser Circulating Water (RC) release, or continued to count slowly after termination of a release. Since those failures were reported the following failures have occurred:

- 1) The Flow Totalizer was declared inoperable on September 3, 1982 after it continued to count following termination of a VUCDT to RC release. The totalizer worked properly on subsequent releases and was declared operable on September 7, 1982.
- 2) The totalizer was declared inoperable on September 16, 1982 when the totalizer was again observed to be counting while no release was in progress (discharge pumps off and outlet valves closed).

The immediate corrective action in both cases was to calculate release volumes using pump head curves. Troubleshooting activities after the September 3 incident revealed a leaking pump discharge check valve that may have allowed discharge header water to drain back into the VUCDT, causing improper totalizer operation. To prevent drainback through any path, Operating Procedure "Pumping VUCDT to the RC Discharge" was changed to close the VUCDT Outlet Valve immediately after shutting off the discharge pumps. The leaking pump discharge check valve was repaired.

The totalizer functioned properly from September 7 until September 16. The September 16th failure was determined to be a result of the flow transmitter (Barton) being out of calibration, possibly due to oil found in the pneumatic

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transmitter's nozzle. The oil was cleaned out and the transmitter calibrated. The totalizer was declared operable on October 16, 1982, and is currently functioning properly.

As stated in RO-369/82-66, a final report will be submitted when the exact causes and a long-term solution are identified and corrected.

Very truly yours,

*H.B. Tucker /HBU*

Hal B. Tucker

PBN:jfw

cc: Director  
Office of Management and Program Analysis  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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Mr. P. R. Bemis  
Senior Resident Inspector - NRC  
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