

# CATEGORY 1

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AUTH. NAME      AUTHOR AFFILIATION  
BARRON, H.B.      Duke Power Co.  
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SUBJECT: Forwards periodic update re AT&T Round Cell Battery.

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*MR*

Duke Power Company  
McGuire Nuclear Generation Department  
12700 Hagers Ferry Road (MG01VP)  
Huntersville, NC 28078-9340

T. C. McMEEKIN  
Vice President  
(704)875-4800  
(704)875-4809 Fax



**DUKE POWER**

December 17, 1996

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Subject: McGuire Nuclear Station  
Docket Nos: 50-269 and 50-370  
AT&T Round Cell Battery - Periodic Update

Dear Sir:

Per our previous commitment on this issue, please find attached the required periodic update.

If further information is required, please contact Kay Crane at (704) 875-4306.

Very truly yours,

H. B. Barron, Vice President  
McGuire Nuclear Station

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December 11, 1996

Mr. James E. Snyder  
Regulatory Compliance Manager  
McGuire Nuclear Station

Subject: AT&T Round Cell Battery Capacity After Recharge  
Periodic Update per 12/05/95 Letter to NRC, Commitment #2  
PIP 0-M95-2131, Corrective Action #11

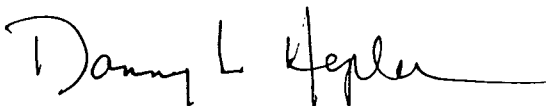
In letter dated 12/05/95, McGuire committed to periodically inform the NRC of the status of the dialog between McGuire and the vendor regarding recovered battery capacity immediately following recharging. The following is an update status of the dialog:

There have been two meetings of the AT&T Round Cell Nuclear Utility User's Council since the last update of 8/13/86. The Council met on 9/23/96 in Trevoze, Pa. and 11/12/96 in Charlotte, NC. There were two representatives of the USNRC/ONRR Electrical Branch present at both meetings. Minutes of these meetings are available and have been supplied to those in attendance. Therefore, a detailed account of this dialog will not be presented in this document.

The issue of recovered capacity is addressed in the User's Council Charter - Expectation #1, sponsored by Arizona Public Service Company. Two major considerations are addressed in this Expectation:

- Available battery capacity following Performance Test recharge
- Available battery capacity following an unplanned discharge on-line

A preliminary report addressing Expectation #1 issues has been submitted to the Council and a final report due during the first quarter of 1997. Additional testing is scheduled to be performed by Charter Power System, Inc. in Conshohocken, Pa. This testing will determine the affect of various levels of "shallow" discharges on returned capacity after recharge. The test scope has been expanded to include low specific gravity cells and 3 aged cells from McGuire. Results of this testing will be included in the final report.



Danny L. Hepler  
MNS Electrical Systems & Equipment Engineering

cc: W.N. Matthews K.L. Crane R.W. Pierce File MC-1356.01