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DUKE POWER

December 4, 1995

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

Subject: Catawba Nuclear Station Dockets 50-413 and 50-414 Reply to Notice of Violation (NOV) Inspection Report 50-413, 414/95-20

Attached is Duke Power Company's response to the one (1) Level IV violation cited in Inspection Report 50-413, 414/95-20, dated November 3, 1995. This violation was identified during the Residents' Monthly Inspection conducted September 3 through October 7, 1995

If there are any questions concerning this response, please contact Kay Nicholson at (803) 831-3237.

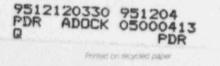
Sincerely,

W. R. McCollum

\KEN:RESP95.20

xc: S. D. Ebneter, Regional Administrator R. E. Martin, ONRR R. J. Freudenberger, SRI

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bxc: ELL NSRB Staff CN-815.01 NCMPA-1 SREC PMPA NCEMC

EC050 EC05N CN02DC K. E. Nicholson IR 95-20/PIP 95-1495

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## DUKE POWER COMPANY CATAWBA NUCLEAR STATION REPLY TO NOTICE OF VIOLATION 413, 414/95-16-01

#### Notice of Violation

Technical Specification 6.8.1, Procedures and Programs, requires, in part, that written procedures be established, implemented, and maintained covering the activities referenced in Appendix A of Regulatory Guide 1.33, Revision 2, February 1978. As referenced, this includes procedures for performing maintenance that can affect the performance of safety related equipment. Implicit in this requirement is the stipulation that the procedures be adequate for the circumstances.

Contrary to the above, on September 19, 1995, procedure MP/0/A/7400/42, (Emergency Diesel Generator) Turbocharger Removal and Replacement, was inadequate in that provisions were not provided to install and maintain lock washers in the turbocharger mounting bolt arrangement for the Unit 1 and Unit 2 Emergency Diesel Generators. Lock washers were specified for use in this application on the vendor drawing for the turbocharger mounting brackets (drawing CNM 2301.00-023-001). Failure to install a suitable lock washer configuration caused 3 of 4 mounting bolts to fail on the 2B Diesel Generator Right Bank Turbocharger and introduced a potential common mode failure into the Emergency Diesel Generators on both units.

This is a Severity Level IV Violation (Supplement I).

## DUKE POWER COMPANY CATAWBA NUCLEAR STATION REPLY TO NOTICE OF VIOLATION 413, 414/95-16-01

### **RESPONSE:**

#### 1. Peason for Violation

This violation is attributed to personnel error. Engineering and Maintenance personnel failed to properly evaluate and document the deletion of the lock washers from the diesel generator turbocharger mounting bolt arrangement in a 1984 change.

Lock washers were originally included in the Unit 1 and Unit 2 diesel generator's turbocharger mounting bolt arrangement. In 1984 an option for modifying the mounting bolt arrangement was implemented. This option allowed the bolt holes in the mounting bracket for the turbochargers to be elongated to facilitate procharger alignment. For the elongated bolt holes, a one-eighth in the fainless steel plate was also installed under the mounting bolt heads to ensure that an adequate bearing surface was maintained to secure the bolts. It was during this time that the lock washers were deleted. In September, 1995 the problem with the turbocharger mounting arrangement was identified. In reviewing the records and information from the 1984 time frame it was determined that the deletion of the lock washers was a conscious decision but was not changed under the modification process and therefore not properly evaluated and documented.

#### 2. Corrective Actions Taken and Results Achieved

An engineering evaluation of the Unit 1 and 2 diesel generator turbocharger mounting arrangement was performed. Based on the results of this evaluation, modification CNCE-7308 was initiated to properly mount the turbochargers. This modification was implemented on all diesel generator turbochargers on September 23, 1995.

As part of the modification process, Maintenance Procedure MP/0/A/7400/42, Turbocharger Removal and Replacement, was reviewed for necessary changes and subsequently revised to reflect the turbocharger mounting arrangement in accordance with the modification. The procedure now requires the use of both lock washers and flat washers for turbocharger installation.

# DUKE POWER COMPANY CATAWBA NUCLEAR STATION REPLY TO NOTICE OF VIOLATION 413, 414/95-16-01

In addition, MP/0/A/7400/42 was revised to increase the torque value from 60-65 ft-lbs to 75-ft-lbs to further ensure that the holddown bolts remain secure.

### 3. Corrective Action to be Taken to Avoid Future Violations

The corrective steps identified in Section 2. above are adequate to prevent further violations.

## 4. Date of Full Compliance

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Duke Power Company is now in full compliance.