

March 16, 1989

Docket Nos.: 50-369  
50-370

Mr. H. B. Tucker, Vice President  
Nuclear Production Department  
Duke Power Company  
422 South Church Street  
Charlotte, North Carolina 28242

Dear Mr. Tucker:

SUBJECT: CORRECTION TO LICENSE AMENDMENT (TACS 64744/64745)

My July 5, 1988, letter forwarded Amendments 88 and 69 to Facility Operating Licenses NPF-9 and NPF-17 for the McGuire Nuclear Station, Units 1 and 2, respectively. Similarly, my letter of April 1, 1986, forwarded Amendments 53 and 34. These letters forwarded Technical Specification change pages that contained typographical errors and omissions. Please replace page 3/4 3-38 of the July 5 letter and pages 3/4 6-3 and 3/4 6-4 of the April 1 letter with the enclosed revised pages.

Sincerely,

/S/

Darl S. Hood, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
TS Pages 3/4 3-38  
3/4 6-3 and 3/4 6-4

cc w/encl:  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in black ink that reads "Darl Hood". The signature is stylized with a large, sweeping flourish at the end.

Darl S. Hood, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
TS Pages 3/4 3-38,  
3/4 6-3 and 3/4 6-4

cc w/encl:  
See next page

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Duke Power Company

McGuire Nuclear Station

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TABLE 4.3-2 (Continued)

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM INSTRUMENTATION  
SURVEILLANCE REQUIREMENTS

<u>FUNCTIONAL UNIT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>ANALOG CHANNEL OPERATIONAL TEST</u>	<u>TRIP ACTUATING DEVICE OPERATIONAL TEST</u>	<u>ACTUATION LOGIC TEST</u>	<u>MASTER RELAY TEST</u>	<u>SLAVE RELAY TEST</u>	<u>MODES FOR WHICH SURVEILLANCE IS REQUIRED</u>
10. Engineered Safety Features Actuation System Interlocks								
a. Pressurizer Pressure, P-11	N.A.	R	M	N.A.	N.A.	N.A.	N.A.	1, 2, 3
b. Low-Low T <sub>avg</sub> , P-12	N.A.	R	M	N.A.	N.A.	N.A.	N.A.	1, 2, 3
c. Reactor Trip, P-4	N.A.	N.A.	N.A.	R	N.A.	N.A.	N.A.	1, 2, 3
d. Steam Generator Level, P-14	S	R	M	N.A.	M(1)	M(1)	Q	1, 2, 3

MCGUIRE - UNITS 1 AND 2

3/4 3-38

Amendment No. 88 (Unit 1)  
Amendment No. 69 (Unit 2)

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## CONTAINMENT SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

- a. Three Type A tests (Overall Integrated Containment Leakage Rate) shall be conducted at  $40 \pm 10$  month intervals during shutdown at either  $P_a$ , 14.8 psig, or at  $P_t$ , 7.4 psig, during each 10-year service period. The third test of each set shall be conducted during the shutdown for the 10-year plant inservice inspection;
- b. If any periodic Type A test fails to meet either  $0.75 L_a$  or  $0.75 L_t$ , the test schedule for subsequent Type A tests shall be reviewed and approved by the Commission. If two consecutive Type A tests fail to meet either  $0.75 L_a$  or  $0.75 L_t$ , a Type A test shall be performed at least every 18 months until two consecutive Type A tests meet either  $0.75 L_a$  or  $0.75 L_t$  at which time the above test schedule may be resumed;
- c. The accuracy of each Type A test shall be verified by a supplemental test which:
  - 1) Confirms the accuracy of the Type A test by verifying that the difference between supplemental and Type A test data is within  $0.25 L_a$ , or  $0.25 L_t$ ;
  - 2) Has a duration sufficient to establish accurately the change in leakage rate between the Type A test and the supplemental test; and
  - 3) Requires the quantity of gas injected into the containment or bled from the containment during the supplemental test to be equivalent to at least 25% of the total measured leakage at  $P_a$ , 14.8 psig, or  $P_t$ , 7.4 psig.
- d. Type B and C tests shall be conducted with gas at  $P_a$ , 14.8 psig, at intervals no greater than 24 months except for tests involving:
  - 1) Air locks,
  - 2) Dual-ply bellows assemblies on containment penetrations between the containment building and the annulus, and
  - 3) Purge supply and exhaust isolation valves with resilient material seals.
  - 4) Type C tests performed on containment penetrations M372, M373 without draining the glycol-water mixture from the seats of their diaphragm valves (NF-228A, NF-233B, and NF-234A), if meeting a zero indicated leakage rate (not including instrument error) for the diaphragm valves. These tests may be used in lieu of tests which are otherwise required by Section III.C.2(a) of 10 CFR 50, Appendix J to use air or nitrogen as the test medium. The above required test pressure ( $P_a$ ) and test interval are not changed by this exception.
- e. Purge supply and exhaust isolation valves with resilient material seals shall be tested and demonstrated OPERABLE by the requirements of Specification 4.6.1.9.3 or 4.6.1.9.4, as applicable;

## CONTAINMENT SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

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- f. The combined bypass leakage rate shall be determined to be less than  $0.07 L_a$  by applicable Type B and C tests at least once per 24 months except for penetrations which are not individually testable; penetrations not individually testable shall be determined to have no detectable leakage when tested with soap bubbles while the containment is pressurized to  $P_a$ , 14.8 psig, or  $P_t$ , 7.4 psig, during each Type A test;
- g. Air locks shall be tested and demonstrated OPERABLE per Specification 4.6.1.3;
- h. The space between each dual-ply bellows assembly on containment penetrations between the containment building and the annulus shall be vented to the annulus during Type A tests. Following completion of each Type A test, the space between each dual-ply bellows assembly shall be subjected to a low pressure test at 3-5 psig to verify no detectable leakage or the dual-ply bellows assembly shall be subjected to a leak test with the pressure on the containment side of the dual-ply bellows assembly at  $P_a$ , 14.8 psig, or  $P_t$ , 7.4 psig, to verify the leakage to be within the limits of Specification 4.6.1.2f.;
- i. All test leakage rates shall be calculated using observed data converted to absolute values. Error analyses shall be performed to select a balanced Integrated Leakage Measurement System; and
- j. The provisions of Specification 4.0.2 are not applicable.