

DUKE POWER COMPANY

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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

May 2, 1983

TELEPHONE
(704) 373-4534

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

Re: McGuire Nuclear Station
Docket Nos. 50-369, 50-370

Dear Mr. Denton:

Per an NRC staff request, the following documents are provided (enclosed) to support NRC staff review of problems with reactor trip breakers (RTB):

Station Directive 3.1.10, "Investigation of Unit Trips"
Procedure OP/1/A/6100/05, "Unit Fast Recovery"
Procedure AP/0/A/5500/34, "Actions Required for an ATWS Event"
Procedure AP/1/A/5500/01, "Reactor Trip"
Evaluation, pursuant to 10 CFR 50.59, concerning the modification to
provide automatic RTB actuation via the shunt attachment

B021

Please advise if there are any questions.

Very truly yours,

H.B. Tucker
Hal B. Tucker

REH:jfw
Enclosures

ADD:
J. Beard
J. Noonan
V. Deliso
E. Adensam
T. Novak

cc: Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

APPROVAL

M.D. McStah

DATE

10/13/77

DUKE POWER COMPANY
McGUIRE NUCLEAR STATION
INVESTIGATION OF UNIT TRIPS

OBJECTIVE

This directive specifies the requirements for investigation of unit trips.

IMPLEMENTATION

Upon a Unit Trip, the Superintendent of Operations or his Operations Duty Engineer will initiate an investigation of sufficient depth to determine the cause and the effects of the trip. Prior to restart of the unit, the Superintendent of Operations or his Operations Duty Engineer will assure that:

1. The cause of the trip is known or has been investigated to the full extent possible while remaining in the shutdown condition.
2. The effects of the unit trip are such that a restart may be made without further review.
3. Any equipment or component malfunctions observed, important to safe operation, are corrected prior to restart.

APPLICABILITY

The effects of the Unit Trip will be evaluated and documented by an Engineer from the Performance Section assigned to the unit. Where appropriate, the Superintendent of Operations or his Operations Duty Engineer will request that the Engineer from the Performance Section take full responsibility for the trip investigation and upon completion make recommendation to the Superintendent of Operations or his Operations Duty Engineer concerning restart of the unit. Operations Group will maintain responsibility for the unit. The evaluation of the trip or transient will be made and documented by Performance, but is not a part of the decision to restart the unit unless the Superintendent of Operations

or his Operations Duty Engineer specifically requires this information on any given trip. The decision to restart rests with the Operations Group.

DESCRIPTION

In any investigation of a unit trip, the Performance Group investigator will have available to assist him, the appropriate individuals from the station organization to pursue the various facets of the trip. The investigator may call a meeting of appropriate personnel to define the investigative program and make assignments with appropriate time limits for completing the investigation and taking of corrective action. Full cooperation of all Station personnel must be provided to ascertain what happened so that the appropriate action for returning the unit to service is achieved. The Technical Services Engineer should be notified for any unit trip classified as a reportable occurrence. The Station Review Committee will make recommendations on any incident reports resulting from unit trips.

PROCEDURE

The investigator, after completing the investigation will:

1. Advise the Superintendent of Operations or his Operations Duty Engineer of his findings and recommendations for followup actions that may or may not require resolution before unit startup.
2. Prepare a written report detailing the investigation. (This may be done after recovery from the trip).