BEFORE THE

UNITED STATES NUCLEAR REGULATORY COMMISSION

LICENSE NO. NPF-29

DOCKET NO. 50-416

IN THE MATTER OF

MISSISSIPPI POWER & LIGHT COMPANY
and
MIDDLE SOUTH ENERGY, INC.
and
SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION

AFFIRMATION

I, O. D. Kingsley, Jr., being duly sworn, stated that I am Vice President, Nuclear Operations of Mississippi Power & Light Company; that on behalf of Mississippi Power & Light Company, Middle South Energy, Inc., and South Mississippi Electric Power Association I am authorized by Mississippi Power & Light Company to sign and file with the Nuclear Regulatory Commission, this application for amendment of the Operating License of the Grand Gulf Nuclear Station; that I signed this application as Vice President, Nuclear Operations of Mississippi Power & Light Company; and that the statements made and the matters set forth therein are true and correct to the best of my knowledge, information and belief.

O. D. Kingsley, Jr.

STATE OF MISSISSIPPI
COUNTY OF HINDS

SUBSCRIBED AND SWORN TO before me, a Notary Public, in and for the County and State above named, this 29th day of January, 1986.

(SEAL)

Notary Public

My commission expires:

My Commission Expires Sep. 21, 1987

1. (NPE-84/01)

SUBJECT: Technical Specification Tables 3.6.4-1, 3.8.4.1-1 and 3.8.4.2-1; pages 3/4 6-31, -34, -39, -42, -44, 3/4 8-23, -26, -29, -31, -32, -37, -42, and 3/4 8-53.

DISCUSSION: This technical specification change results from a design change in progress to complete installation of the Drywell Chilled Water system (DCW; Grand Gulf system serial P72). This design change is scheduled for implementation not later than startup following the first refueling outage. As done on several recent Technical Specification changes involving design changes to the plant, it is requested that the NRC issue the change with an open effective date and require that MP&L notify the NRC within 30 days of the effective date of implementation of the affected technical specification changes.

Completion of this design change requires changing nameplates, labels, and tags on certain Plant Service Water System (PSW; Grand Gulf system serial P44) isolation valves to indicate that they now isolate DCW. The attached marked-up technical specification pages reflect those valves that are affected by this design change, and include changes of the nomenclature for such attendant components as the penetration conductor overcurrent protective devices and thermal overload protective devices. A summary of the proposed changes is as follows:

Old Valve Number	New Valve Number	Tech. Spec. Page
P44-F070-B	P72-F123-B	3/4 6-31
P44-F069-A	P72-F122-A	3/4 6-31
P44-F053-A	P72-F121-A	3/4 6-31
P44-F076-A	P72-F125-A	3/4 6-34
P44-F077-B	P72-F126-B	3/4 6-34
P44-F074-B	P72-F124-B	3/4 6-34
P44-F043	P72-F165	3/4 6-39
P44-F075	P72-F147	3/4 6-42
P44-F333	P72-F167	3/4 6-44
N1P44F105A-N	N1P72F150A-N	3/4 8-23
N1P44F105B-N	N1P72F150B-N	3/4 8-26
Q1P44F076-A	Q1P72F125-A	3/4 8-29

Old Valve Number	New Valve Number	Tech. Spec. Page
N1P44F055-A	N1P7F145-A	3/4 8-31
N1P44F057-A	N1P72F116-A	3/4 8-31
N1P44F059-A	N1P72F139-A	3/4 8-31
N1P44F061-A	N1P72F111-A	3/4 8-31
N1P44F063-A	N1P72F101-A	3/4 8-31
N1P44F065-A	N1P72F134-A	3/4 8-31
Q1P44F070-B	Q1P72F123-B	3/4 8-32
Q1P44F074-B	Q1P72F124-B	3/4 8-32
Q1P44F077-B	Q1P72F126-B	3/4 8-32
N1P44F056-B	N1P72F146-B	3/4 8-37
N1P44F058-B	N1P72F117-B	3/4 8-37
N1P44F060-B	N1P72F140-B	3/4 8-37
N1P44F062-B	N1P72F112-B	3/4 8-37
N1P44F064-B	N1P72F102-B	3/4 8-37
N1P44F066-B	N1P72F135-B	3/4 8-37
1P44ZLR001	1P72ZLR018	3/4 8-42
Q1P44F053	Q1P72F121	3/4 8-53
Q1P44F069	Q1P72F122	3/4 8-53
Q1P44F076	Q1P72F125	3/4 8-53
Q1P44F070	Q1P72F123	3/4 8-53
Q1P44F074	Q1P72F124	3/4 8-53
Q1P44F077	Q1P72F126	3/4 8-53

The FSAR will be revised at the next annual update to reflect this change.

JUSTIFICATION: Grand Gulf preoperational testing indicated that additional drywell cooling was required to support full power operation and prompted the implementation of a design change to install the DCW System. This modification utilized existing valves and piping that had previously been components of the PSW servicing the drywell coolers. PSW was originally expected to accommodate the drywell cooling load, but was found to be inadequate for this purpose. DCW uses freon chillers to significantly increase the heat removal capacity of the system. The proposed change is to revise the Containment and

Drywell Isolation Valves table, Primary Containment Penetration Conductor Overcurrent Protective Devices table, and the Motor Operated Valves Thermal Overload Protection table to indicate those valves that have been incorporated as part of the DCW system.

The proposed change will make the technical specifications more accurately reflect the system with which the indicated valves are associated and will allow associated documentation such as piping and instrument diagrams to show the valves as DCW components. The technical specification requirements that ensure the isolation function of these valves are unaffected by this change.

SIGNIFICANT HAZARDS CONSIDERATION:

The proposed change does not involve a significant increase in the probability or consequences of an accident previously evaluated because it is a change to the system name and component designation only.

The proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated because the isolation function of the valves required by the technical specifications remain unaffected.

The proposed change does not involve a significant reduction in the margin of safety because the change is administrative in nature and does not affect any margin of safety.

The increased heat removal capability of the DCW over the PSW ensures that equipment temperature operational limits are not exceeded.

Therefore, the proposed change involves no significant hazards considerations.