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 BUTLER, W.R. Licensing Branch 2

SUBJECT: Forwards application for amend to License NPF-14, consisting of proposed Amend 70, revising Tech Specs re design changes to nitrogen makeup sys. Fee paid.

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1. The first part of the report deals with the general situation in the country. It is noted that the economy is in a state of depression and that the government is unable to meet its obligations. The report also mentions that the population is suffering from a lack of food and clothing.

2. The second part of the report discusses the political situation. It is noted that the government is weak and that there is a lack of unity among the different political groups. The report also mentions that the military is in a state of disarray and that there is a risk of a coup d'état.

3. The third part of the report deals with the social situation. It is noted that the population is suffering from a lack of education and that there is a high level of unemployment. The report also mentions that the health care system is in a state of collapse and that there is a high level of infant mortality.

4. The fourth part of the report discusses the international situation. It is noted that the country is in a state of isolation and that there is a lack of international support. The report also mentions that the country is in a state of economic dependence on the United States and that there is a risk of being cut off from international trade.

5. The fifth part of the report deals with the future of the country. It is noted that the country needs a strong and stable government and that there is a need for economic and social reforms. The report also mentions that the country needs to be integrated into the international community and that there is a need for international aid.



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Norman W. Curtis
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AUG 06 1985

Director of Nuclear Reactor Regulation
Attention: Dr. W. R. Butler, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
PROPOSED AMENDMENT 70 TO LICENSE NPF-14
ER 100450 FILE 841-8
PLA-2513

Docket No. 50-387

Reference: Licensee Event Report No. 83-115 transmitted via PLA-1842
dated September 13, 1983.

Dear Dr. Butler:

The purpose of this letter is to propose a change to the Susquehanna SES Unit 1 Technical Specifications in order to support design changes to the nitrogen makeup system.

Via the referenced report, PP&L notified the NRC of the discovery of a single failure in Division II Primary Containment Isolation System (PCIS) logic that could have resulted in the failure to isolate the nitrogen supply line. (See attached drawing of existing Unit 1 configuration). The PCIS Division II relay (K83) provides a closure signal to the drywell nitrogen supply outboard isolation valve (SV-15767) and the containment atmosphere control sample inboard isolation valve (SV-15776B). The drywell nitrogen supply line taps into the containment atmosphere sample line between the inboard valve (SV-15776B) and the outboard valve (SV-15774B) (see attached drawing of existing configuration). With the nitrogen makeup system in service, coincident with a loss of coolant accident, the K83 relay could fail in such a manner as to maintain SV-15776B and SV-15767 open. This configuration could create a direct path from primary containment to the outside environment through the nonsafety-related nitrogen makeup system should it fail. A similar scenario is applicable to the suppression chamber nitrogen supply isolation valve (SV-15737) and the containment atmosphere control return inboard isolation valve (SV-15736B).

The design changes to correct this deficiency will consist of rerouting the drywell and wetwell makeup lines to spare penetrations and installing divisionalized isolation valves (see attached drawing of revised configuration). The inboard valves will have Division I power and logic and the outboard valves will be Division II.

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AUG 06 1985

Page 2

SSES PLA-2513
ER 100450 File 841-8
Dr. W. R. Butler

The enclosed marked-up copy of Table 3.6.3-1 shows the changes required to ensure that the Technical Specifications properly reflect the installation of the modifications to the Nitrogen makeup system. Those changes include the addition of two new isolation valves, SV-15738 and SV-15789. Two valves currently listed under the Containment Atmosphere Sample category, SV-15737 and SV-15767, are proposed to be deleted and moved to the newly formed category "Nitrogen Makeup", since in the new configuration, they are no longer in the atmosphere sampling lines.

The isolation signals for this new category are "B", Reactor Vessel Water Level - Low, Low Level 2; "Y", Drywell Pressure - High; and "R", SGTS Exhaust Radiation - High.

Although not required to correct the deficiency, upon approval of this change the "R" isolation signal will be removed from valves SV-15736B and SV-15776B since they will then be dedicated to the sampling lines and isolation on SGTS Exhaust Radiation - High is no longer required.

No Significant Safety Hazards Determination

- I. The proposed change does not involve a significant increase in the probability or consequences of an accident previously evaluated. The addition of the Nitrogen makeup line is compatible with the FSAR design requirements. The proposed action does not increase the probability of an occurrence or consequence of an accident or malfunction of equipment related to safety. All engineering has been performed in accordance with plant design criteria to assure the required installation will not impact safety-related systems. The results of the most recent ILRT will be adjusted based on local leak rate testing of the new Nitrogen makeup system configuration, when it is installed. Bypass leakage effects discussed in FSAR Subsections 6.2.3 and 6.2.1.1.5 remain unchanged by this proposed action.
- II. The proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated. Design of the proposed new penetrations, isolation valves and isolation circuitry is in accordance with the existing design basis of the plant.
- III. The proposed change does not result in a significant reduction in a margin of safety. This change will increase the safety margin of the plant by ensuring that a single failure in the nitrogen makeup system isolation logic will not allow an uncontrolled release of radiation to the environment following a DBA. As stated in II above, the design change will be in accordance with the existing design basis.

Please be advised that identical modifications have already been performed on SSES Unit 2, with the Technical Specifications revised via Amendment 2 to License NPF-22, dated October 9, 1984.

The first part of the report deals with the general situation in the country. It is noted that the economy is still in a state of depression, and that the government is struggling to find ways to improve the situation. The report also mentions that the government is planning to introduce a new tax system, which is expected to increase the revenue of the state.

In the second part of the report, the author discusses the social conditions in the country. It is noted that the majority of the population is still living in poverty, and that the government is struggling to provide basic services to the people. The report also mentions that the government is planning to introduce a new social welfare system, which is expected to improve the living conditions of the people.

RECOMMENDATIONS

The author recommends that the government should take the following steps to improve the situation in the country: 1. To reduce the budget deficit, the government should cut down on its expenditure and increase its revenue. 2. To improve the living conditions of the people, the government should provide basic services to the people and introduce a new social welfare system. 3. To improve the economy, the government should encourage private enterprise and provide incentives to investors.

The author also recommends that the government should take the following steps to improve the social conditions in the country: 1. To provide basic services to the people, the government should build more schools, hospitals, and roads. 2. To improve the living conditions of the people, the government should provide housing and food subsidies to the people.

The author concludes that the government has a long way to go to improve the situation in the country. It is hoped that the government will take the necessary steps to improve the economy and social conditions in the country.

The author also wishes to express his appreciation to the government for providing him with the opportunity to study the situation in the country. He also wishes to express his appreciation to the people of the country for their cooperation and assistance during the course of his study.

AUG 06 1985

Page 3

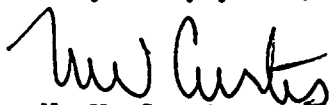
SSES PLA-2513
ER 100450 File 841-8
Dr. W. R. Butler

Implementation Schedule

PP&L plans to perform the modifications described in this letter during the Unit 1 second refueling outage. We therefore request that your approval of these changes be conditioned to become effective upon startup following that outage.

If you desire additional information on this proposal please contact Mr. R. Sgarro at (215) 770-7855. Pursuant to 10CFR170.22, the appropriate fee is enclosed.

Very truly yours,



N. W. Curtis

Vice President-Engineering & Construction-Nuclear

cc: M. J. Campagnone USNRC
R. H. Jacobs USNRC-SSES

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