Portland General Electric Company

David W. Cockfield Vice President, Nuclear

December 27, 1989

Trojan Nuclear Plant
Docket 50-344
License NPF-1

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington DC 20555

Dear Sirs:

Emergency Temporary Technical
Specification Change for Chlorine Detectors
License Change Application 189

Attached is one signed original of License Change Application (LCA) 189 requesting an Emergency Temporary Amendment to the Operating License NPF-1. Details of the requested change, including a Description of the Emergency Conditions, are described in the Attachments. Also attached is a signed copy of Certificate of Service for LCA 189 to the Chief Executive of the County in which the facility is located and the Director of the State of Oregon, Department of Energy. The Resident Engineer for the State of Oregon has been kept appraised of this situation.

On December 12, 1989, it was discovered that the chlorine detector response time could be longer than assumed in the toxic gas analysis. As a result, both trains of chlorine detectors were declared inoperable per Trojan Technical Specification (TTS) 3.3.3.6, "Chlorine Detection Systems" and TTS 3.3.3.6 Action b was implemented.

With the Control Room ventilation systems isolated per TTS 3.3.3.6 Action b, carbon dioxide (CO_2) accumulates to unhealthy levels for habitation. In discussions on December 15, 1989, the Nuclear Regulatory Commission (NRC) acknowledged PGE's need to enter into TTS 3.0.3 in order to ventilate the Control Room to maintain habitability per Occupational Health and Safety Administration (OSHA) guidelines. Compensatory measures taken during ventilations are described in Attachment B.

9001030095 891227
PDR ADOCK 05000344
P PDC

121 S.W. Salmon Street, Portland, Oregon 97204

A001
1/1

For the purpose of meeting Specification 4.7.6.1.b, (the monthly pressurization surveillance of the Control Room) and/or for providing periodic air exchanges in the control room, PGE requests a temporary change to TTS 3.3.3.6 Action b as specified herein under the Emergency Provisions of Part 50.91(a)(5) of Title 10, Code of Federal Regulations. This change is to remain in effect until the chlorine detectors are declared operable. This will permit opening the outside air makeup dampers for the normal and/or emergency control room ventilation systems for up to one hour without requiring entry into TTS 3.0.3 provided that appropriate compensatory measures are taken to mitigate the consequences of a chlorine gas accident. We currently anticipate new chlorine detectors will be tested and installed by about March 15, 1990. The tentative schedule for this modification is provided in Attachment D.

Sincerely,

T. D. Walt for
D. W. Cockfield

Attachment

c: Mr. John B. Martin
Regional Administrator, Region V
U.S. Nuclear Regulatory Commission

Mr. David Stewart-Smith
State of Oregon
Department of Energy

Mr. R. C. Barr
NRC Resident Inspector
Trojan Nuclear Plant