



Portland General Electric Company

Stephen M. Quennoz
Trojan Site Executive

December 21, 1995

VPN-062-95

Trojan Nuclear Plant
Docket 50-344
License NPF-1

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

Dear Sirs:

Trojan Nuclear Plant Defueled Safety Analysis Report, Revision 3

The enclosure to this letter provides one original and ten copies of Revision 3 to the Trojan Nuclear Plant Defueled Safety Analysis Report (DSAR). Revision 3 includes changes to the DSAR since the last submittal. The attachment to this letter includes a brief description of each change included in this revision. Changes are identified in the DSAR text by revision bars.

Sincerely,

Stephen M. Quennoz
Trojan Site Executive

Attachment

Enclosures

c: L. J. Callan, NRC Region IV
D. Stewart-Smith, ODOE
Dr. B. D. Spitzberg, NRC Region IV
R. A. Scarano, NRC Region IV
M. T. Masnik, NRC, NRR

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Description of Changes

- LDCR 93-086 Change to Table 3.5-1 to express compliance with exception to a portion of ANSI N45.2.12-1977 requiring specific actions for all audit initiated corrective actions, regardless of the significance of the problem and evaluations to be completed within 30 days. Trojan is committed to the ANSI standard in the DSAR via our statement of compliance with RG 1.144. Corrective actions are controlled by the Quality Assurance Program and completion dates are set via Trojan Plant Procedure 17-1. Exception is taken to the time limit specified in the standard for evaluation of audit findings regardless of the significance of the problem.
- LDCR 94-010 Change to Sections 3.3 and 3.3.5 to remove reference to bearing cooling water and noting that the system contains water cooled aftercoolers and compressors. Piping connections between the potable water system, bearing cooling water system, and services water system were installed so that the instrument air compressors may be cooled using potable water, bearing cooling water, or fire system water (as a backup). These changes were made to support maintenance cost reductions as well as future deactivation of the bearing cooling water system.
- LDCR 94-017 Table 3.5-1, under Regulatory Guide 5.29, was revised to include approved changes to the Security Program. As part of this program, vital areas are no longer applicable at Trojan in the defueled condition. Classifying item control areas as vital areas as called for in ANSI N15.8-1974, Paragraph 11, endorsed by Regulatory Guide 5.29, is added as an exception.
- Table 3.5-1, under Regulatory Guide 5.29, was also revised to delete the organization title, "Radiation Protection Manager." The exception describes the performance of the duties of the nuclear materials manager and the nuclear materials custodian by one position, the Radiation Protection Manager. This title is replaced by the title, "SNM Custodian," which continues to fulfill the intent of the exception description while allowing someone other than the Radiation Protection Manager, but possessing the qualifications described in ANSI N15.8-1974 defined positions, to perform the duties of both ANSI positions.
- LDCR 94-025 Table 4.3-1 was modified to add a note for the spent fuel pool pH value.
- LDCR 94-029 Change to Section 2.2.3.2.1 to indicate that hydrazine may be stored at Trojan, rather than the implication that it is. This is a result of deactivating the secondary chemical injection system and cessation of secondary plant chemistry control.

- LDCR 94-033 Changes were made to Sections 3.3.3 and 4.3.3 to identify additional methods for removing decay heat.
- LDCR 95-008 Component Cooling Water System (CCWS) pump P-210B was changed to P-210D in Section 3.3.3.2, "System Description," and Figure 3.3-2. Pump P-210 B was replaced by a more appropriately-sized pump (P-210D) for the current application.
- LDCR 95-009 These changes to Section 7.1.2.2 incorporate the reorganization of the Plant Support Department related to Administrative Services and reflects the existing organization of the Plant Support Department, which does not include Material Services. The Administrative Services Group, with the exception of Training personnel, are administratively transferred from the Plant Support Group to the Corporate Administrative Services Department.
- LDCR 95-010 These changes to Section 3.3.3.2, Figure 3.3-2, Section 5.5, and Table 5.5-1, delete reference to radiation detectors installed at component cooling water heat exchangers. These changes are required due to the deactivation of several PERM channels (1C, 1D, 7, 8, and 10), steam generator sample system piping and components, and the steam generator blowdown discharge path to the condenser and condensate storage tank.
- LDCR 95-011 Changes correct a reference cited in Table 3.5-1, under Regulatory Guide 1.78, and add a reference to Section 6.4 for Section 6.1.
- LDCR 95-014 Section 5.6 was changed to describe the current radiological controls for contamination and radiation control. Instruments were noted as being available for use and instruments no longer used at the plant were removed from the text. Major repairs to radiation protection instruments were specified as being made by the Instrument and Control Department and minor repairs by Radiation Protection personnel. Detail was removed from descriptions of contamination control methods used and temporary exit points from Radiologically Controlled Areas were established.
- LDCR 95-022 Changes made to support Permanently Defueled Technical Specification (PDTS) implementation. The term "Important to Safe Storage of Irradiated Fuel (ISSIF)" was added and its use made consistent with PDTS. A list of ISSIF equipment was added.
- Several Trojan Technical Specifications (TTS) and an NRC rule change were identified in Table 3.5-1, Sections 7.1, 7.2, and 7.3. TTS were relocated to Sections 4.1 and 5.6. TTS Amendment 193 changes were made to Section 2.1 and editorial corrections were made to Section 7.2.

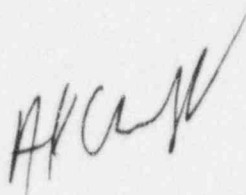
- LDCR 95-024 Figure 3.3-1 was simplified to eliminate unnecessary detail and increase clarity. The simplified figure depicts the critical portions of the spent fuel pool cooling and demineralizer system as described in the DSAR.
- LDCR 95-028 Changes to Section 7.1 reflect the current Engineering organization titles and responsibilities. The Manager, Plant Engineering/Configuration Management, and the Manager, Engineering Programs were combined under Manager, Engineering.
- LDCR 95-030 An additional change to Section 7.1 includes the correct title of General Manager, Engineering/Decommissioning, as defined by the Trojan Decommissioning Plan and currently in use at the plant.
- LDCR 95-037 These changes to Section 7.1 reflect organization changes that eliminated the position of General Manger, Technical Functions, and divides the associated duties between the General Manger, Plant Support, and the General Manager, Trojan Plant. The General Manager, Plant Support, title was changed to General Manager, Plant Support and Technical Functions.
- LDCR 95-046 Administrative changes were made to Sections 1.5 and 7.6 to reference PGE-1024, "Trojan Nuclear Plant Security Force Training and Qualification Plan (Defueled Condition)," to the DSAR.
- LDCR 95-048 Section 3.2.2.4 was revised to change testing specimens as described by the accelerated exposure portion of the Spent Fuel Rack Absorber Surveillance Program from 2 years to 4 years. Accelerated exposure can no longer be achieved with the plant in the defueled condition.
- LDCR 95-052 Section 7.1 was further revised to reflect Corporate Management organization changes. The title of Vice President, Power Resources and Marketing, was changed to Senior Vice President, Power Supply. The Vice President and Chief Nuclear Officer and Acting Vice President, Nuclear, reports to the Senior Vice President, Power Supply.
- LDCR 95-054 Section 3.4.2.1.4 reflects the deactivation of several static inverters (Y15, Y17, Y26, and Y28). The inverters were deactivated to reduce maintenance costs since the remaining loads on the 120 volt preferred instrument AC systems do not indicate a need for uninterruptible power. Existing inverter loads will be powered by instrument buses.

- LDCR 95-056 Additional changes to organizational titles and duties described in Section 7.1 are associated with this LDCR. The Project Manager, Special Projects, title and position are eliminated. The Personnel and Radiation Protection groups are combined into one department headed by the Manager, Personnel/Radiation Protection. Technical Services and Engineering are combined into one department headed by the Manager, Engineering, who reports to the General Manager, Engineering/Decommissioning. The Plant Support and Technical Functions Departments are combined and headed by the General Manager, Plant Support and Technical Functions, who reports to the Chief Nuclear Officer. The title of Manager, Licensing, is changed to Manager, Licensing, Compliance, and Commitment Management.
- LDCR 95-057 Two pumps that can be used to supply river water to the Service Water System were added in Section 3.3.4.2. A plant modification changed one of the pumps to a more appropriate size for the expected function.



Portland General Electric Company

HKC-214-95

To: Distribution
From: H. K. Chernoff 
Date: December 21, 1995
Subject: Transmittal of Revision 3 to Trojan Nuclear Plant Defueled Safety Analysis Report

Enclosed is your copy of Revision 3 to the Trojan Nuclear Plant Defueled Safety Analysis Report. The pages are to be inserted in accordance with the accompanying instruction sheet.

Please acknowledge receipt of your copy by completing the lower portion of this transmittal and returning it to the location given below.

CKC

Enclosure

12/21/95

ACKNOWLEDGEMENT

Revision 3

Trojan Nuclear Plant Defueled Safety Analysis Report

I hereby acknowledge receipt of Controlled Copy Number(s) 31 of the subject document. All changes have been made in accordance with the instructions, and superseded pages have been destroyed.

Signature of Copy Holder

Date

Return To: Pat Schaffran, TCB-3
Trojan Nuclear Plant
71760 Columbia River Highway
Rainier, Oregon 97048