



Department of Energy

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SEP 07 1993

93-LWB-109

Mr. Roger F. Stanley, Director
Tri-Party Agreement Implementation
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600



Dear Mr. Stanley:

REVISION TO 200 AREA TREATED EFFLUENT DISPOSAL FACILITY (PROJECT W-049H)
WASTEWATER ENGINEERING REPORT (WHC-SD-W049H-ER-003 REV 0)

- References: (1) Letter, G. Anderson, Ecology, to E. D. Izatt, RL, "200 Area Treated Effluent Disposal Facility (Project W-049H), Wastewater Engineering Report WHC-SD-049H-003 Rev 0 M-17-08," dated August 11, 1992. *22892*
- (2) Letter, R. D. Izatt, RL, to D. B. Jansen, Ecology, "200 Area Treated Effluent Disposal Facility (Project W-049H) Wastewater Engineering Report (WHC-SD-W049H-ER-003 Rev 0)," dated August 4, 1992. *22604*
- (3) Letter, G. Anderson, Ecology, to J. E. Mecca, RL, "Notification of Cancellation of WHC-SD-C124-FDC-991 Rev 1, Plutonium Uranium Extraction (PUREX) Chemical Line Replacement (Project C-124)," dated April 30, 1992. *20817*
- (4) Letter, J. E. Mecca, RL, to D. B. Jansen, Ecology, "Notification of Cancellation of WHC-SD-C124-FDC-001 Rev 1, PUREX Chemical Sewer Line Replacement (Project C-124)," dated April 17, 1992. *21353*
- (5) Letter, G. Anderson, Ecology, to R. D. Izatt, RL, "200 Area Treated Effluent Disposal Facility (Project W-049H) Wastewater Engineering Report," dated March 13, 1992. *22218*
- (6) Letter, R. D. Izatt, RL, to D. B. Jansen, "200 Area Treated Effluent Disposal (Project W-049H) Wastewater Engineering Report," dated February 28, 1992. ✓

Enclosed are revisions to the 200 Area Treated Effluent Disposal Facility (W-049H) Wastewater Engineering Report (WHC-SD-W049H-ER-003 Rev 0) which was originally submitted to you on February 28, 1992 (Reference 6). The revisions are required to make the report current and to respond to the State of Washington Department of Ecology's comments (References 1, 2, and 5).

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The revisions to the Engineering Report are presented in the following three Engineering Change Notices (ECN):

ECN #119503: This ECN contains page change revisions (Rev 0-A) to the PUREX Plant Chemical Sewer Wastestream (Appendix K) that deletes the replacement of portions of the PUREX Chemical Sewer line. Because of the good condition of the PUREX Chemical Sewer line, a replacement of the pipe was not required (References 3 and 4). 25853

ECN #119504: This ECN contains page revision (Rev 0-B) to the T Plant Wastewater Stream (Appendix F) that changes the retention from the 207-T Retention Basin to a storage tank inside T Plant. This change will provide a more environmentally sound retention at a lower cost. 25854

ECN #193100: This ECN contains page change revisions (Rev 0-C) to the following facilities: 30697

- In 284-W Power Plant Wastewater Section (Appendix J and main body of document), the emergency overflow from the 282-W Raw Water Reservoir will be changed from the 284-WB Percolation Ponds to the Treated Effluent Disposal Facility. The cost effective estimates have been corrected, and Projects B-604 and L-017 are described as future plans.
- In PUREX Plant Chemical Sewer Section (Appendix K), the sump at the tank car unloading station will be blanked off instead of constructing a catch pan and roof for the tank car unloading station. This change is necessary since PUREX will be shut down by September 1996. Additionally, the Sanitary Water Tower overflow (Tank 2901) will be eliminated at shut down.
- In the B Plant Chemical Sewer Section (Appendix N), the elimination of the Sanitary Water Tower overflow (2902-B) by October 1997, was added as a committed future plan.
- In the Hanford Waste Vitrification Plant Section (Appendix S and U), some technical errors were corrected and the basis for the concentration factor of five for the cooling water blowdown was explained.



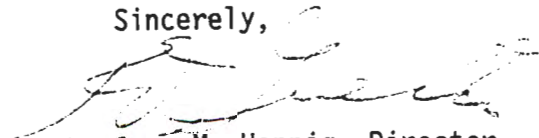
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If you or your staff have any questions or require additional information, please contact Mr. Dana Bryson on (509) 372-0738.

Sincerely,



June M. Hennig, Director
Waste Management Division

LWB:DCB

Enclosure

cc: w/encl:
G. Anderson, Ecology
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ENCLOSURE 4

Engineering Change Notice #193100

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Subject: REVISION TO 200 AREA TREATED EFFLUENT DISPOSAL FACILITY (PROJECT W-049H) WASTEWATER ENGINEERING REPORT (WHC-SD-W049H-ER-003 REV 0)

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