



Evaporator and listed equipment:
 1 number used - 290
 330 number used - 330
 297 thru 316, 329

NOTES: GENERAL
 THE RADWASTE EVAPORATOR IS DESIGNED TO DISTILL LIQUID WASTES FED TO IT BY THE FLOOR DRAIN SAMPLE PUMPS. DISTILLATION IS ACHIEVED USING STEAM FROM THE AUXILIARY BOILER SYSTEM AND COOLING WATER FROM THE RAW COOLING WATER SYSTEM.
 THE DISTILLATE IS COLLECTED IN EITHER ONE OF THE TWO DISTILLATE TANKS. WHEN ONE DISTILLATE TANK IS FULL, THE DISTILLATE FLOW FROM THE EVAPORATOR IS ROUTED TO THE OTHER TANK. THE CONTENTS OF THE FULL DISTILLATE TANK ARE CIRCULATED, SAMPLED, AND ANALYZED. IF THE DISTILLATE MEETS CONCENTRATE STANDARDS, IT IS SENT DIRECTLY TO CONDENSATE STORAGE. IF NOT, IT IS ROUTED TO THE WASTE COLLECTOR TANK FOR PROCESSING THROUGH THE WASTE DEMINERALIZER BEFORE BEING SENT TO CONDENSATE STORAGE. IF THERE IS INSUFFICIENT ROOM FOR THE DISTILLATE IN CONDENSATE STORAGE, THE LIQUID IS RELEASED TO THE CIRCULATING WATER DISCHARGE CONDUITS FOR DILUTION PRIOR TO DISCHARGE INTO WHEELER RESERVOIR.
 THE CONCENTRATE FROM THE EVAPORATOR IS CONTINUOUSLY FED TO THE HOLDING TANK WHERE IT IS HELD UNTIL A SUFFICIENT QUANTITY IS ACCUMULATED. THE CONCENTRATE IS THEN HOMOGENIZED BY RECIRCULATION AND WITHDRAWN BY THE CHEMICAL SOLIDIFICATION EQUIPMENT. THE CONCENTRATE AND SOLIDIFICATION CHEMICALS ARE THEN PUMPED TO THE RADWASTE PACKAGING AREA AND INTO A DISPOSAL CASK.

1. SOLIDIFICATION SYSTEM PURCHASED ON CONTRACT 73C61-84497.

TI
 APERTURE
 CARD

8805160171

REV	DATE	BY	CHKD	DESCRIPTION
1				First issued for PCN R-51
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DESIGN	10-8-75	10-8-75	10-8-75	10-8-75	10-8-75
ADDED CATALYST TANK AGITATOR					
ADDED SOLIDIFICATION SYSTEM					
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