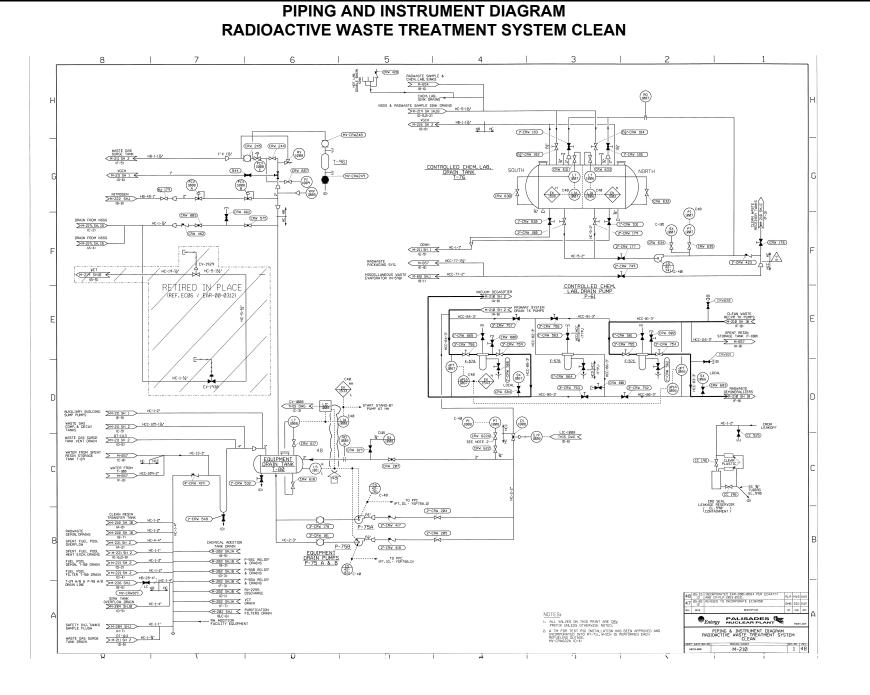
FIGURE 11-1, SHT 1 Revision 31



RADIOACTIVE WASTE TREATMENT SYSTEM CLEAN 6 1/23 3'-CRW 407 0ECASIFIER PUMP DISCMREE >M-210 SH 2 0H-22 CRW 506 HC-2-3 HC-2-11/2" CHP HC-2-11/2" HC-2-6" D HS 1884 3*-CRW 113 3*-CRW 117 3"-CRW 119 3*-CRW 115 3"-CRW 121 3*-CRW 123 3*-CRW 125 3*-CRW 111) (1015) C48 (1015) C48 (1019) (1019) (1019) (1019) (1019) (1019) (87) (013) C40 40 (1014 C48 (1018) (CY C40 (8V C40 1016 1016 A/S CV 1012 (1013) 1017 1017 CV 1014 CV 1016)c4a HS 1012 HS 1814 HES A/S (HS 1013 ---- HS 1817 A/52 A/S ----à-1 Pos (POS (813) ---- (LHT 1813) C40 / 0 C40 0 LHT 1816 POS C48 LHT 1017 C40 0 T C48 POS POS POS POS (RV 1056) HB-43-2 2"-CRW 588 HB 2*-CRW 509 2"-CRW 510) 2"-CRW 511 æ SX (800) 1012 (1012) SX . (RUD 1014). (RUD SX 1016 ÷\$ (RUD) 1016 비오 비율 SX 1018 нс нв 1 HC HB ø, NOTE HC HB CRW 6728 (CRW 6708) 14 4 4 (RW 6738) (CRW 6718) 1 HBC-23-1* S.I. TANK-VENT M-211 SH 2 < CRW 678A CV CRW 671A (CRW 672A)-X (POS 105E CRN 6734 POS 1063 POS - lotz <u>T-64A</u> SV 1056 <u>T-64B</u> 1062 T-64C INSU T-64D 1063 เอเล 5 Ac ES NO LHT HS C48 18 C48 LIA 1012 - 1503 L C4@ 1010 -- EK 1010 -- 1527 6*-CRW 196 6*-CRW 197 CLEAN WASTE RECEIVER TANKS (6*-CRW 198 6*-CRW 199 (40) (1023) (1023) -Ç40 (CV 1823 SV. SV C40 (1031) CV CV 1027 (CV (CV HS 1828 HS A/S/-HS HS -(HS Pos C48 C 40 0 LHT 1827 C40 0 C40 0 C48 0 P05 T C40 🔨 O POS 1027 POS POS POS 1033 (1831) -(POS 1831 6*-CRW 114 4*-CRW 200 C (4*-CRW 122 4*-CRW 116 6*-CRW 118 6*-CRW 120 6*-CRW 124 HC-2-6* RECEIVER TANK PUMPS P-654 & 8 M-210 SH 18 (H-1) MP P-107 M-657 (C-8) 10.36 SHR CHE LHT SV SV ş PDS (PDS 1037 LIN37 ------B 2'0 "D 3' (a) CS C40 LC (RW 515) 1836 RECEIVER TANK CIRC. PUMP P-70 1*-CRW 513 (1-CRW 514) TLC (3*-CRW 765) SV 1Ø36 £∔ Ŕ CHP g, REVISED TO AND QUICK DISCON CLEAN WASTE TRANS. PLINP N-218 SH IB REY'D COORDINATES FOR OFF PAGE REFERENCE PER EC19761 HS RLR D PALISADES NOTE: 1. ALL VALVES ON THIS PRINT ARE CRW_____ PREFIX UNLESS OTHERWISE NOTED. 2. RUD-1088 REMOVED TO ALLOW CONTAINMENT VENT PATH PIPING & INSTRUMENT DIAGRAM RADIDACTIVE WASTE TREATMENT SYS CLEAN 1A 23 M-210 6 4

PIPING AND INSTRUMENT DIAGRAM

FIGURE 11-1, SHT 1B **Revision 32**

RADIOACTIVE WASTE TREATMENT SYSTEM CLEAN AN WASTE н (<u>C</u>) HS 1045 CHP SV (I*-CRW 518 G POS LHT 20 CLEAN WAST F-57 B/C M-210 SH 1 + HS 1844 CV HC-2-3 CHP SV 1844 нсс % -CRW 885 T (3*-CRW 758) RECEIVER TANK C-40 (POC) - (FIC) - (FM) 1842) - (FM) 1842 CC-45-3 HC HCC 3*-CRW 751 (CRW 646) P05 F CLEAN WASTE F-57 B/C >M-210 SH 1 CA 984 CA 493 ICC-45-3 PCV 1071 GLASS (MV-CRW 254) нос JB-2-11/2* (3*-CRW 138) CA 148 HB-1-1½* (A-8) 11.0 3*-CRW (413) MV-CRW 255 (1866) HC-32-3* è 32*-CRW 818 (3*-CRW 134 (3*-CRW 136) (1½*-CRW 529) -D1 Сл. <u>9-69В</u> с-48 (32) (849) (849) (PT + + + + 140 186 C40 PI 1867 40 PI 1063 ¥ 545 CLEAN WASTE HOLD-UP TANK M-658 SH.1 IVER TANK P-69A C-40 3*-CRM 194 199 24 3"-CRW 1 3*-CRW 412 r-CRM 3*-CRW 3*-CRW 126 -1 ٠X ÷Ť " D D T G D T (3*-CRW 174) RADWAST 10NERAL 31-CRN 148 144 146 SIGHT NSO-P-CBN RY 613 610 687 2" WATER WATER (D-8) HC-9-3" C101 698 (ISX) (SX)-> CRW 141 3"-DRV 143 SPOOL C48 H EK 1585 C40 H EK 1521 C40 H EK 1513 ¥. CRW 1 (CRW 193) B (689A) (689 2 688A 688 2 686A 686 *-Sp76-CRM 517 (1839) YS 1041 YS 1040 (1875 C40 1039 ----5 ro-01 100-Hoot CLEAN RESIN TRANSFER TANK T-61 C48 (1840) C40 GIA GI 41X 114 ĸ 567 4DA-D Ť 568 (569) (628A) (628) (*-CRW 538 CA 148 2*-424 (1-425) I -(*-CRW 548 SIRM RECIR, PUMP P-74 -M-204 SH.IB (1042) (*-CRW 539) EG. FIL, WASTE MONITOR TANK N-211 SH.1 (B-2) SX 1044 ->> 3'-CRW 192 CRW 603 HC-32-3* 3-CRW 210 PURIFICATION -1 % (6Ø2A) HC-32-3 -1-202 SH.1 (D-1) PI (3*-SFP 138) SPENT FUEL POO в PURIFICATION DEMINERALIZERS DRAINS >M-202 SH.1 (B-1) 0EDT (M-210 SH.1 = (B-8) (B-8) MASTE VASTE 210 SH 1 HC-1-2* 2*-CRW 211 HC-2-3* SLUICE 3-CRW 145 T-69 M-657 (B,C-8) C-40 (PI 1864)----(PT 1864) (3*-CRW 147) -(3'-CRW 414) 3"-CRW 156 REVISED TO SHOW CASIS WITH DUICK DISCONNECT FITTING PER EC20917 (3*-CRW_149_) (2"-CRW 157 T-69 → M-657 (D-R) HC-13-3* SEntergy PALISADES MONITOR MASTE NONITOR TAMKS M-218 SH.IC € PIPING & INSTRUMENT DIAGRAM RADIOACTIVE WASTE TREATMENT SYSTEM NOTE: ALL VALVES ON THIS PRINT ARE CRW. PREFIX UNLESS OTHERWISE NOTED. -1B 20 8 6 5

PIPING AND INSTRUMENT DIAGRAM

FIGURE 11-1, SHT 1C Revision 33

PIPING AND INSTRUMENT DIAGRAM RADIOACTIVE WASTE TREATMENT SYSTEM CLEAN

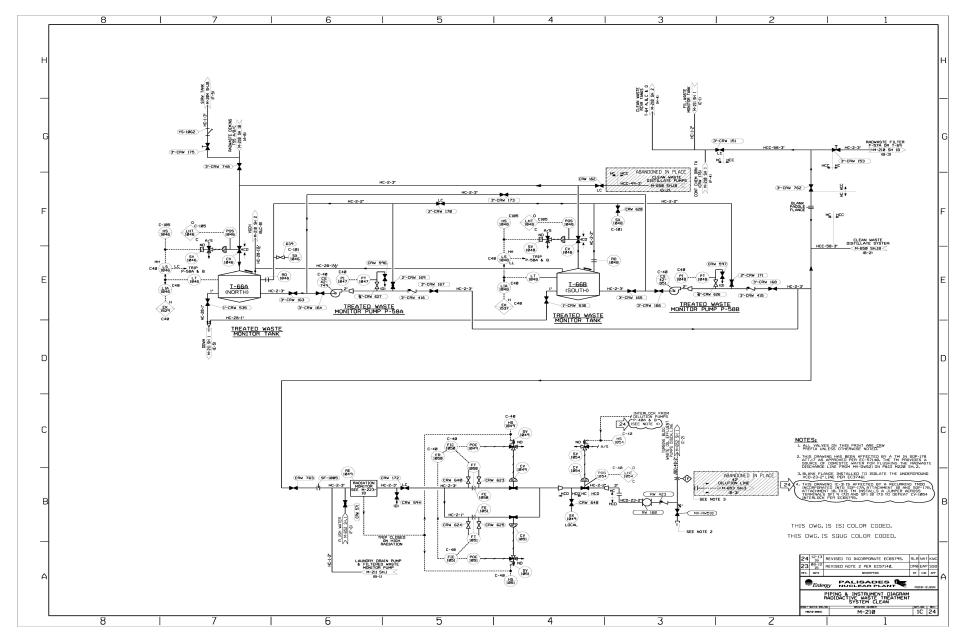


FIGURE 11-1, SHT 2 Revision 32

н

G

F

D

B

FSAR CHAPTER 11 - RADIOACTIVE WASTE MANAGEMENT AND RADIATION PROTECTION

PIPING AND INSTRUMENT DIAGRAM RADIOACTIVE WASTE TREATMENT SYSTEM CLEAN 8 LETDDWN FROM CHEMICAL & VOLUME CONTROL SYSTEM -202 SH 14 < (1* -N 2 195) N 2 > M-222 SH 1 (B=0) HB-45-1 (3*-CRW 126) CLEAN WASTE RECEIVER TANKS T-64 A.B.C & D на нс HC-2-3 HC-2-3 FILTER WASTE MONITOR TANKS HC-2-1 CV 1056 HC-2-3 -CRW 105) DEGAS VACUUM PUMP (661) %•× ! C-40 16* NG 487 DOWN & ENERATIVE DRAIN X2 SHJB < IV-8481 ISCHARGE 284 SH 1 HCD-932-1 (11/4" WG 185) AFETY B ANKS LE N-283 S HC HCC CD-933-1% WASTE SURGE POC WG 406 -(3' WG 485 C-Ð Ę, -(3° WG 187) 2' E-HB-43-1* (546)~ DEGAS VACUUM PUMP -(11/4" WG 488 (1005) (2002) CONTROLLED BLEED OFF RELIEF <u>M-202 SH.1</u> (G-G) HB | HC. (1960) H5 1001 -(14" NG 186) 11/2* (RV 1801 C-40 (RV 1068) -62--22 (PDS) 2005) --- 2005 DIRTY WASTE DRAIN TANK HS (1½* WG 104) HCD-934-1 1% ATMOS 옆^ CHP CHR <<u>M-211 SH.1</u> € CRW 650 Ξ¥ C-48 (CS) SX 1002 Fran (sv 1001) (8-CRW 229) (1860) > H-212 SH (WG 603) Ť PRIMARY SYSTEM START STOP PRIMAR SYSTEM MAKE UP WATER PUMPS --> M-652 (E-4) (BSS) VECVH (F-8) (F (657 <u>T-74</u> SEAL COOLANT -(POS 1801) HB HC 21/2 (CRW 637) LUNDI 1065 B TANK T 107 (PS LS 1002 H T L (1068) (1869 ¥ <u>ЕК</u> 1542 нв нс (CRW 643 (CRW 654) C-48 (100 A 424 15015 Ϊs 6 -40 H (CRW 656) CRW 658 EK 1534 US - L CRW 6 (1*- CRW 583 (感) ł EK C-40 (PIA) C-48 40 (CRW 653 TRIP C-51 CCW M-289 SH.3 < LO (LO) START P-68 (P- CRW 402) 1054 - (LIC)C-4 CV-1883 THIS DWG. <--</p> - 0 T-57 HC-27-1 > M-289 SH.3 SEAL WATER COOLER E-67 G-101 -40 (CRW 656A) COOLANT CEK. 1001 1- CRW 50 C-40 CRW 660 (CRW 501) (1/2" CRW 22) E BL (1002) -0" -CRW 203 Ύe. P-948B CRW tæt-DRAIN TO CHP CHR (1802 1/2"CRW 547 SYSTEM WATER SEAL WATER (3*-CRW 768) (1" -CRW 225) ₽Î HÇ 40 HS 1002 4/5 (3*-CRW 184) PUMPS CRV 584 2* DRAIN PRINAF NAKE PUMPS 0401 1-211 SH 1 6-59 -02 ⊢¥ Less HCC . __] 2 HCD-938-1* -(PDS 1002) œ (3'-CRW 761) (1* -CRW 224) . (DRW 584) SIGHT GLASS7 (MV-CRW 256) (1807). 2 PMW > M-652 (H-71 C-101 CHP (PT) -- (PI 1005) -- (1005) -- (1005) NE (6420)-VAC DEGAS VAC PUMP SKID DRAIN CV 100 HS -0/5 -642A X X--<u>642</u>€ (CRW 641) (2*- CRW 102) (CRW 65 女 (CRW 107A (3*- CRW 484 P-68A POS LBØ7 (2"- CRW 400 (PI 1081) (3'- CRW 107) (PT, ID, - YSP71A_D) P-71A PI 1002 C-40 (3' -CRW 189) (R0 1005) C-48 DEGASIFIER ALL VALVES ON THIS PRINT ARE CRW PREFIX UNLESS OTHERWISE NOTED -1~ PUMPS TRIP P-71A & B TO PPC 0PT. 10. - YSP718.0 (3*- CRW 405) 11/2' 3'- CRW 188) (CRW822) (2"- CRW 481) (2"- CRW 183) ARY SYSTEM DRAIN (CRW 188A) REVISED TO ADD QUICK DISCONNEC PRIMARY (3*- CRW 101) P-71B <u>64</u> (⇒) 31-CRW 118 TANK PUMPS CLEAN RAD. WASTE P-68B VENT FRU RW SX PAN MV-CRW811 A HCC-128-SEntergy NUCLEAR PLANT ≥M-218 SH.1 (E-4) PIPING & INSTRUMENT DIAGRAM RADIDACTIVE WASTE TREATMENT 凒 (CRW823) 2 40 M-210

8 7 6 5 4 3 2

FIGURE 11-1, SHT 3 Revision 31

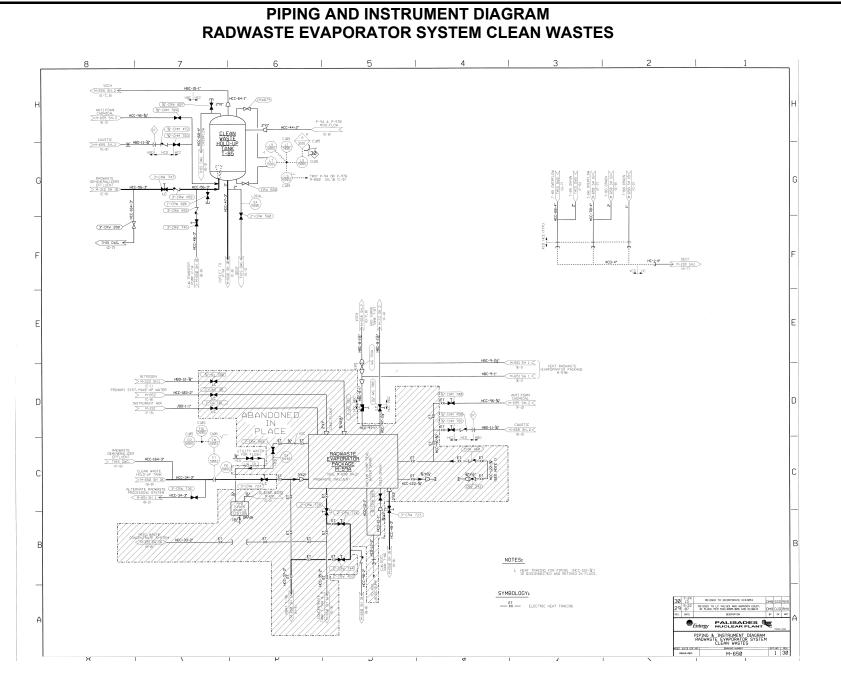
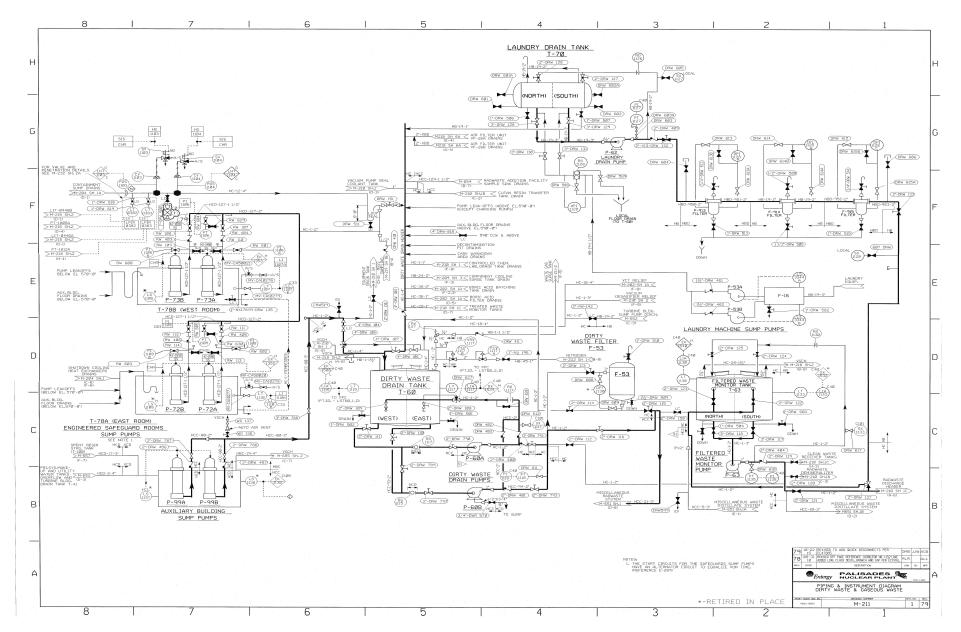


FIGURE 11-2, SHT 1 Revision 32

PIPING AND INSTRUMENT DIAGRAM DIRTY WASTE & GASEOUS WASTE



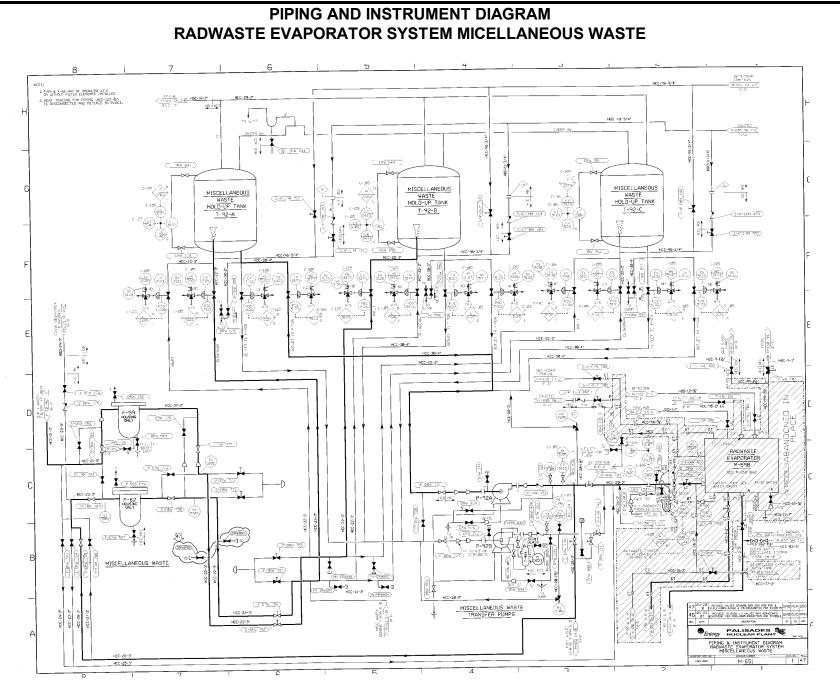
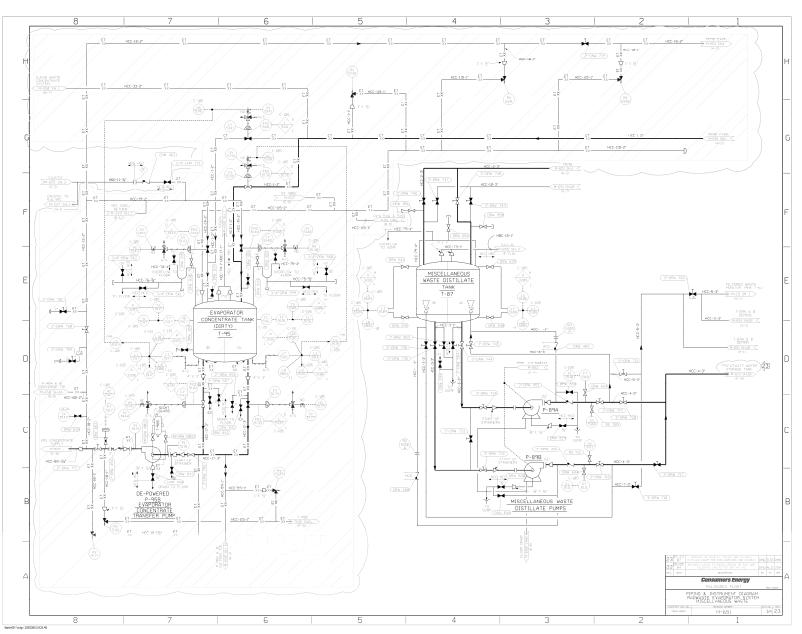


FIGURE 11-2, SHT 2 Revision 29



PIPING AND INSTRUMENT DIAGRAM RADWASTE EVAPORATOR SYSTEM MICELLANEOUS WASTE

PIPING AND INSTRUMENT DIAGRAM RADWASTE EVAPORATOR SYSTEM MICELLANEOUS WASTE

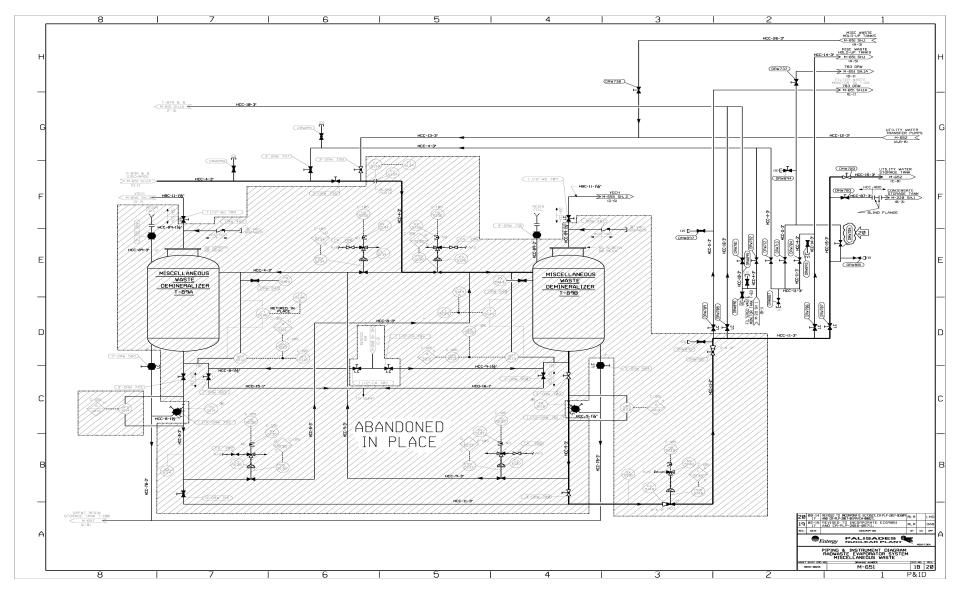
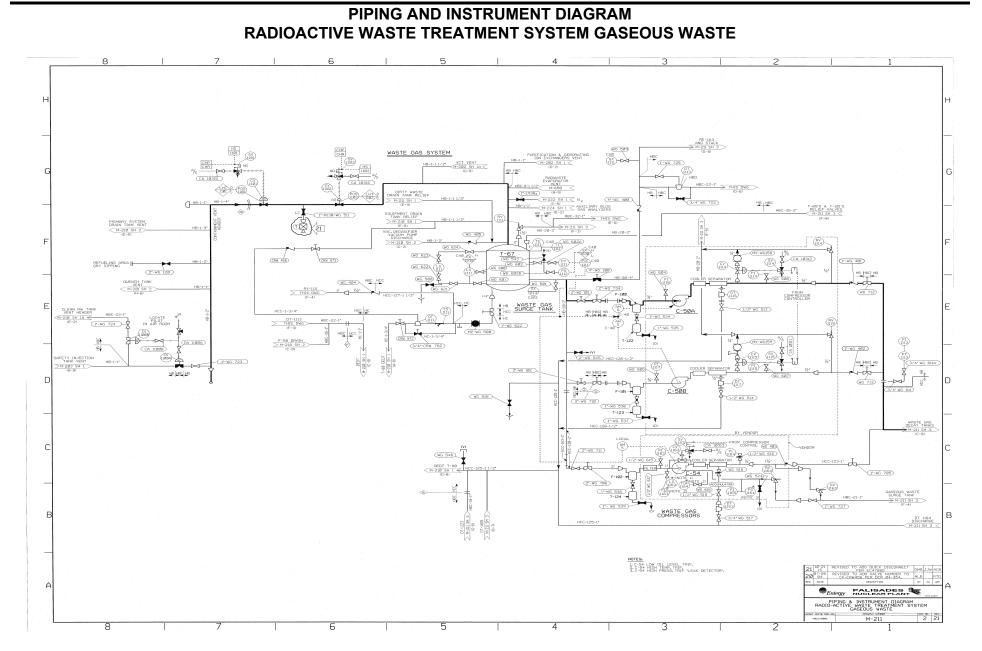


FIGURE 11-3 SHT 1 Revision 32



PIPING AND INSTRUMENT DIAGRAM RADIOACTIVE WASTE TREATMENT SYSTEM GASEOUS WASTE

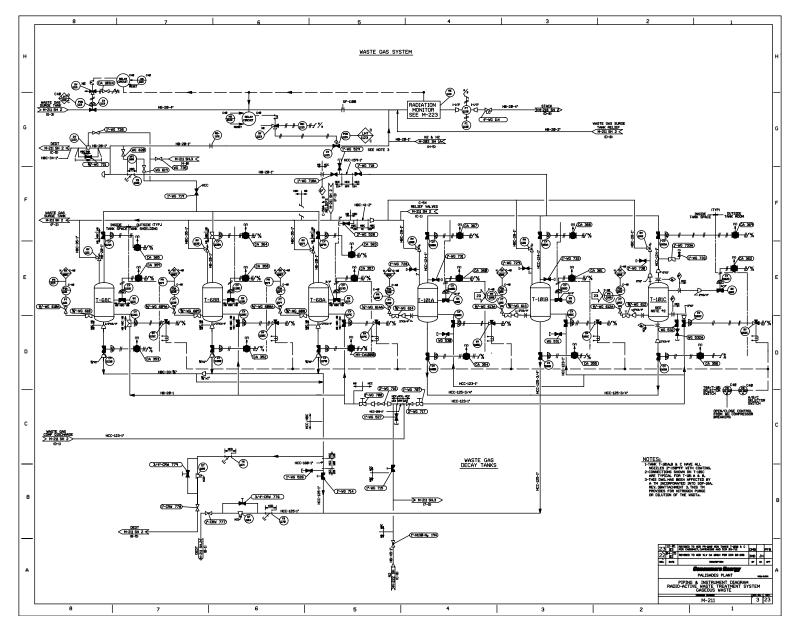
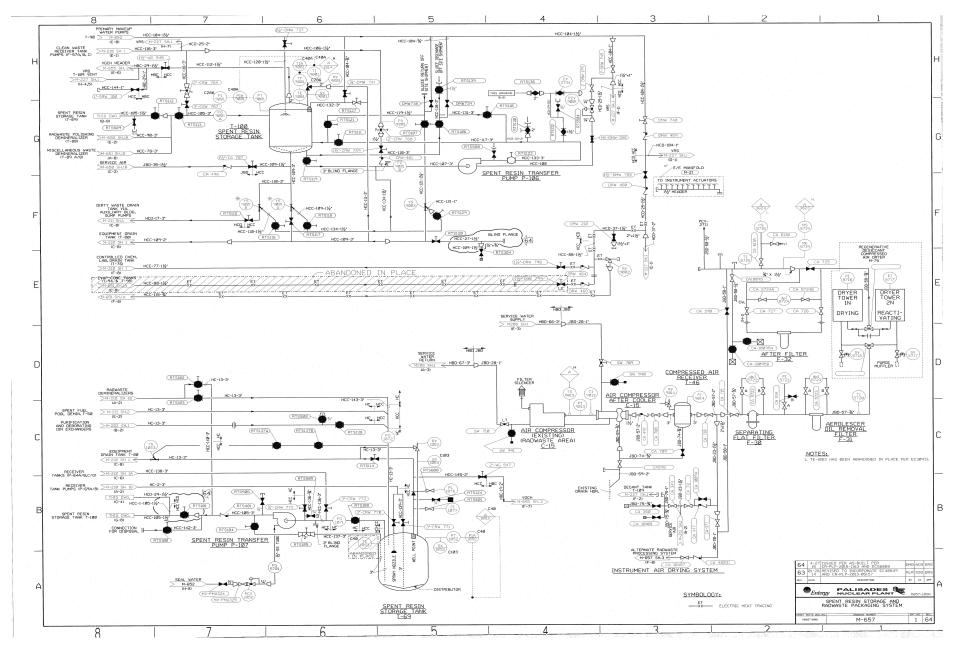


FIGURE 11-4 SHT 1 Revision 32



SPENT RESIN STORAGE AND RADWASTE PACKAGING SYSTEM

FIGURE 11-4 SHT 2 Revision 32

PIPING AND INSTRUMENT DIAGRAM RADWASTE SOLIDIFICATION SYSTEM

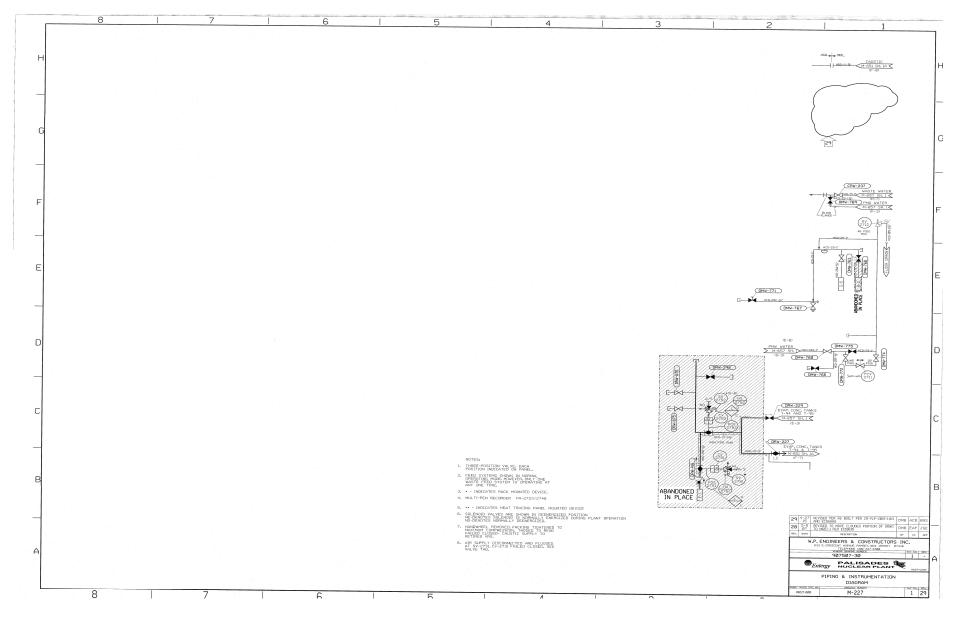


FIGURE 11-4 SHT 3 Revision 26

FSAR CHAPTER 11 - RADIOACTIVE WASTE MANAGEMENT AND RADIATION PROTECTION

PIPING AND INSTRUMENT DIAGRAM LIQUID VOLUME REDUCTION SYSTEM

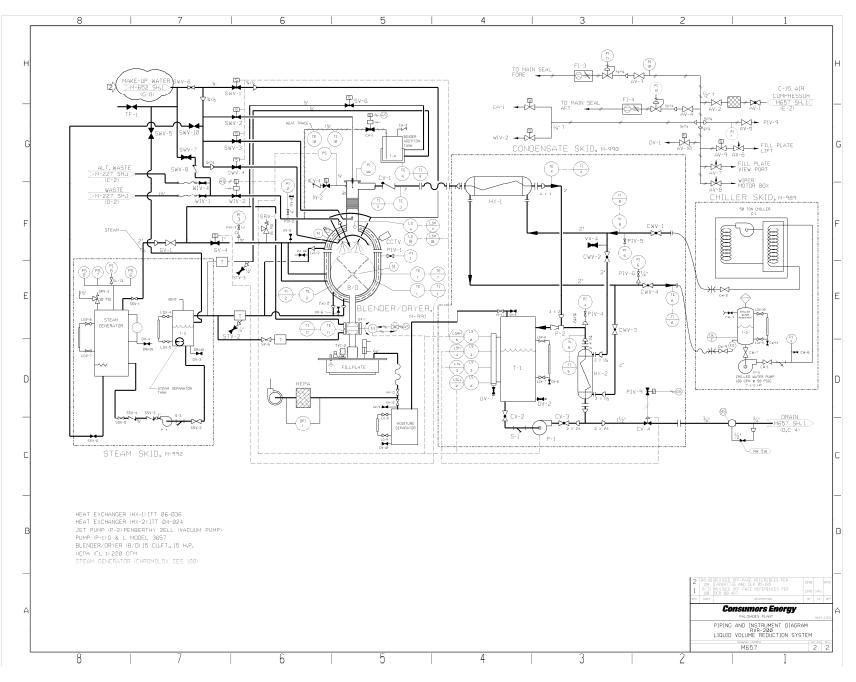
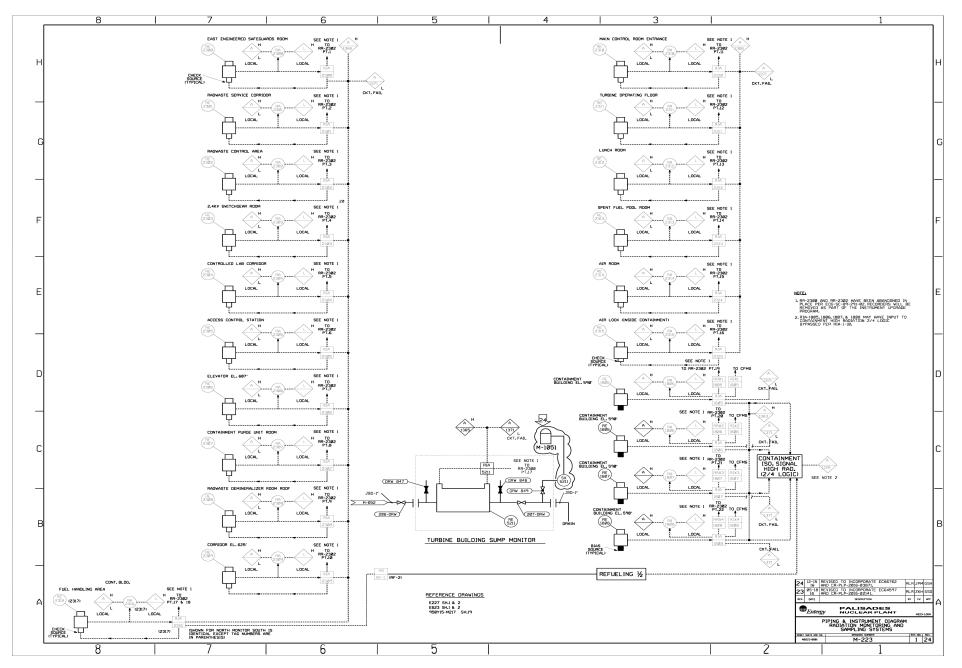


FIGURE 11-5 SHT 1 Revision 33

PIPING AND INSTRUMENT DIAGRAM RADIATION MONITORING AND SAMPLING SYSTEMS



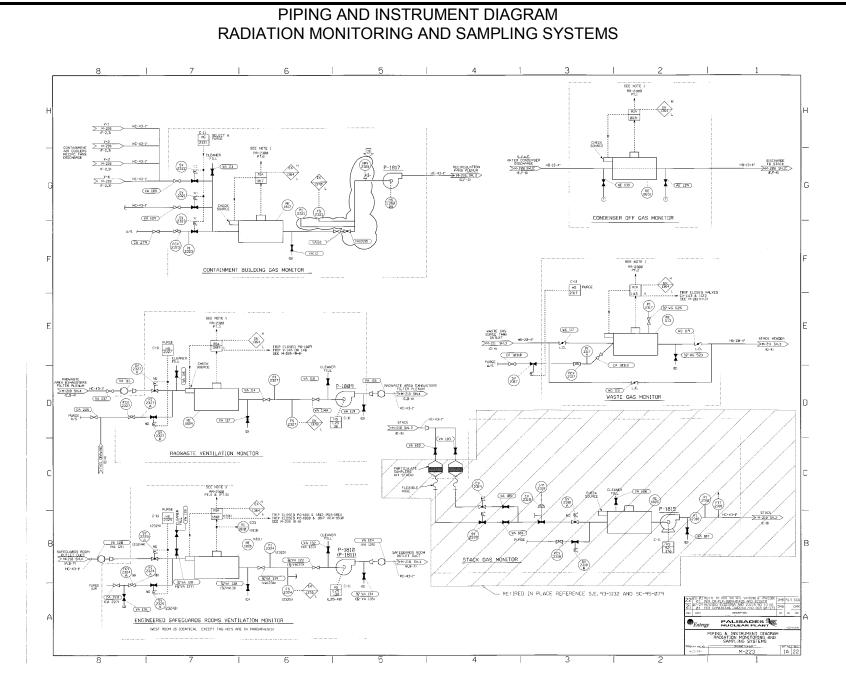


FIGURE 11-5 SHT 1B Revision 30



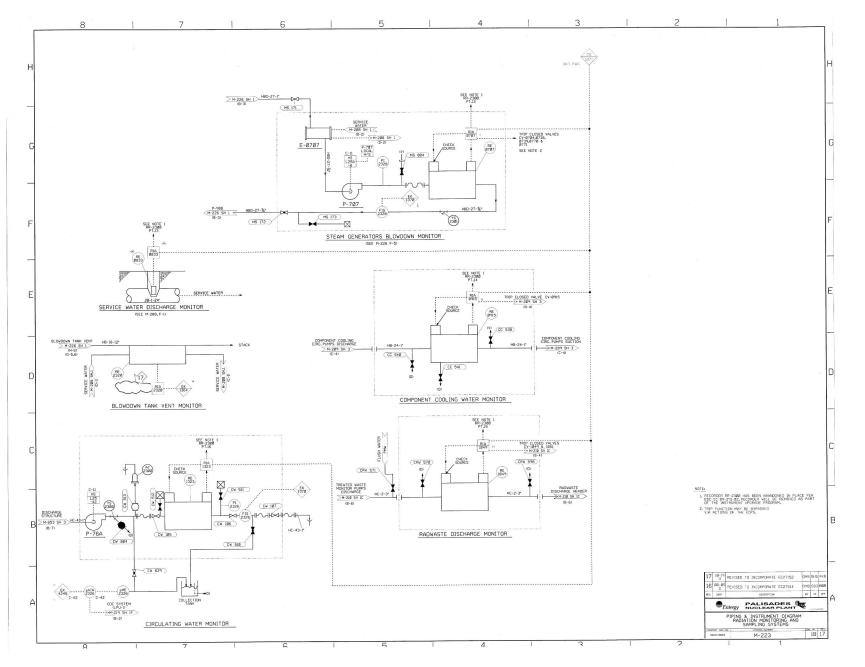


FIGURE 11-5 SHT 2 Revision 30

PIPING AND INSTRUMENT DIAGRAM RADIATION MONITORING AND SAMPLING SYSTEMS

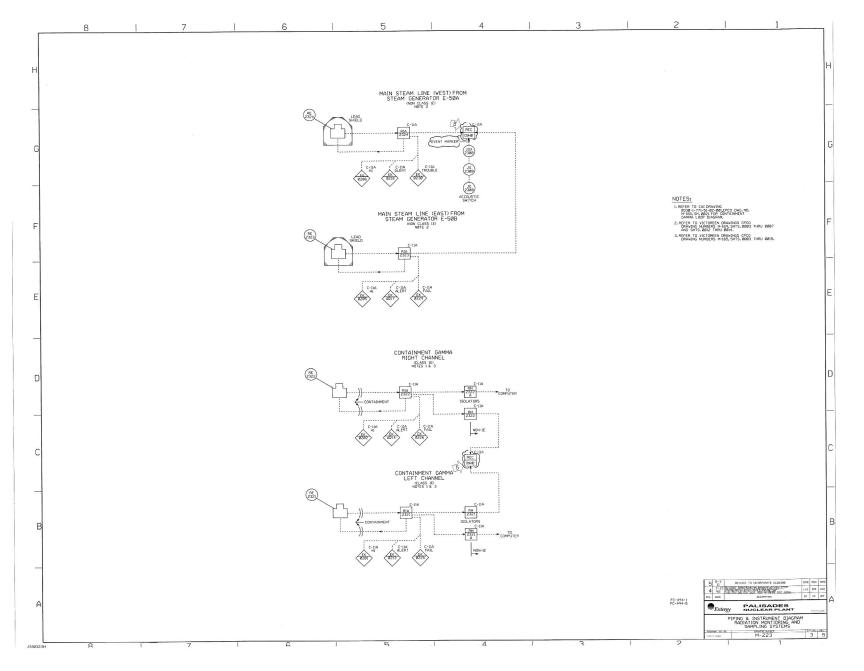
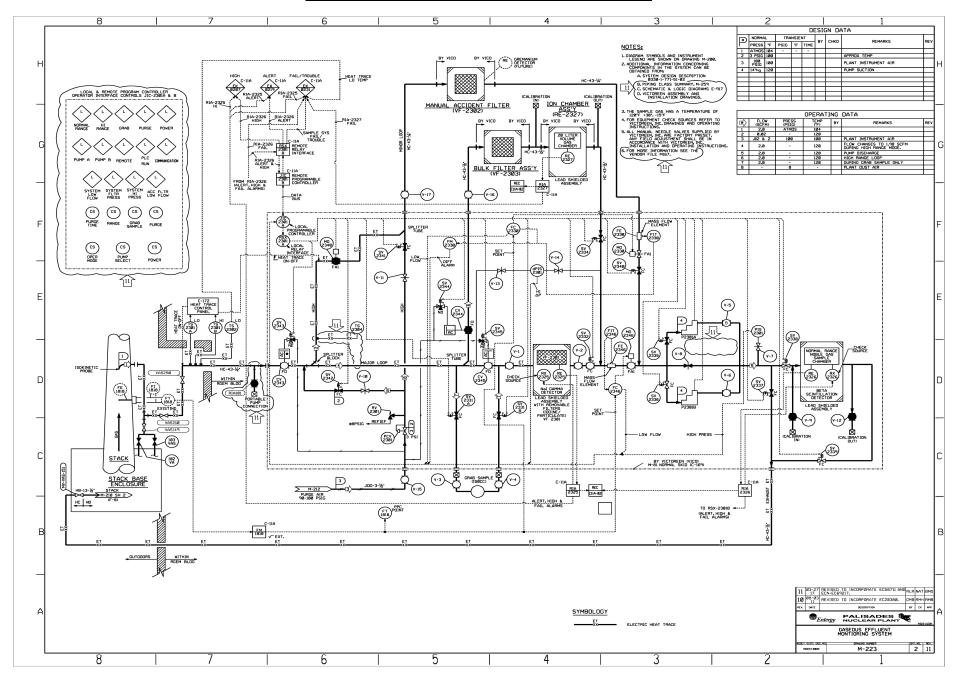


FIGURE 11-6 Revision 33

GASEOUS EFFLUENT MONITORING SYSTEM



ARCHITECTURAL ACCESS CONTROL AND RADIATION ZONING (PLANT IN OPERATION)

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FIGURE 11-7 Revision 32

ARCHITECTURAL ACCESS CONTROL AND RADIATION ZONING (PLANT IN OPERATION)

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FIGURE 11-8 Revision 32

ARCHITECTURAL ACCESS CONTROL AND RADIATION ZONING (PLANT IN OPERATION)

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FIGURE 11-9 Revision 32