"41"

SAFETY INJECTION TANK NO.21B

SAFETY INJECTION TANK NO.22B

SAFETY INJECTION TANK NO.21A

SAFETY INJECTION TANK NO.22A

REFUELING WATER TANK NO.21 OM-462 (B-2) 62-731-E SH.1

QUENCH TANK NO.21 OM-460 (A-9) 62-729-E

EAST LEAK OFF HEADER OM-77 60-734-E SH.1

WEST LEAK OFF HEADER OM-77 60-734-E SH.1

EAST LEAK OFF HEADER OM-77 60-734-E SH.1 OF 5

WEST LEAK OFF HEADER OM-77 60-734-E SH.1 OF 5

SAFETY INJECTION SAMPLE @ EL.45'-0

REACTOR COOLANT SYS LOOP 21B OM-460 (E-6) 62-729-E

REACTOR COOLANT SYS LOOP 22B OM-460 (E-7) 62-729-E

REACTOR COOLANT SYS LOOP 21A OM-460 (H-5) 62-729-E

REACTOR COOLANT SYS LOOP 22A OM-460 (H-7) 62-729-E

LPSI PUMPS DISCHARGE OM-462 (E-2) 62-731-E SH.1 OF 3

LPSI PUMPS DISCHARGE OM-462 (H-2) 62-731-E SH.1 OF 3

LPSI PUMPS (SUCTION) OM-462 (I-4) 62-731-E SH.1

LPSI PUMPS NO.21 & 22 OM-462 (B-2) 62-731-E SH.1

LPSI RECIRC. THIS DWG (E-10)

LPSI RECIRC. SHUTDOWN COOLING HEAT EXCHANGERS OM-462 (H-6)

FROM SHUT DOWN COOLING HEAT EXCHANGER OM-462 (E-4) 62-731-E SH.3

TO SHUTDOWN COOLING HEAT EXCHANGERS OM-462 (E-7) 62-731-E SH.3

SOUTH CNTMT TRENCH

WASTE PROCESS SYS-AREA DRAIN OM-76 (F-7) 60-733-E SH.2

REACTOR COOLANT SYSTEM SHUTDOWN COOLING RETURN OM-460 (G-7) 62-729-E

INTERLOCK FROM 2-PY-103X PRZR. PRESS. OM-460 (B-8) 62-729-E

INTERLOCK FROM 2-PY-103X-1 PRZR. PRESS. OM-460 (C-6) 62-729-E

INTERLOCK FROM 2-PY-103V PRZR. PRESS. OM-460 (B-8) 62-729-E

SIAS OPENS

SIAS CLOSES

KEY OPERATED

SEE DETAIL-1

SEE NOTE 5

SEE NOTE 6

TO 2-PR-304 OM-462 (C-8) 62-731-E SH.1

EAST LEAK OFF HEADER OM-77 60-734-E SH.1

WEST LEAK OFF HEADER OM-77 60734SH0001

N2 SYS OM-68 (G-9) 60-726-E

N2 SYS OM-68 (H-9) 60-726-E

VENT

DRAIN

TEST CONN.

DETAIL-1

SEE NOTE 10

GENERAL NOTES

1. FOR P&ID LEGEND SEE DRAWING 6750-M-80 (BG&E NO.60263).
2. FOR INSTRUMENT DATA SHEETS SEE 6750-M-500 (BG&E NO.92-401-A THRU 92-422-B).
3. FOR EQUIPMENT LIST SEE 6750-M-603 (BG&E NO.92-772-A).
4. EQUIPMENT NUMBERS FOR UNIT NO.1 ARE PREFIXED BY THE NUMBER 1 (EXAMPLE NO. 11, 12, 13, ETC.). EQUIPMENT NUMBERS FOR UNIT NO.2 ARE PREFIXED BY THE NUMBER 2 (EXAMPLE NO. 21, 22, 23, ETC.). EQUIPMENT COMMON TO BOTH UNITS IS NUMBERED AS FOR UNIT NO.1.
5. CHECK VALVE WEIGHTED SHUT.
6. CONNECTED TO PORTABLE REFUELING PANEL 2C184 DURING REDUCED INVENTORY OPERATION (SEE BG&E DWG.611015H0184).
7. THE Q-LIST INFORMATION PROVIDED ON THIS DRAWING IDENTIFIES THE SAFETY RELATED PRESSURE BOUNDARIES (SR-PB). EQUIPMENT WITHIN THE BOUNDARIES IS ALSO CLASSIFIED SR-PB, AS A MINIMUM. THE NUCLEIS MASTER EQUIPMENT LIST MUST BE USED FOR IDENTIFYING SPECIFIC OR ADDITIONAL SAFETY CLASSIFICATION INFORMATION, INCLUDING COMPONENT CLASSIFICATIONS AND ASSOCIATED REQUIREMENTS.
8. PIPING WHICH CONTINUES BEYOND THE SAFETY RELATED (SR-PB) BOUNDARY INDICATED ON THIS DRAWING, IS CLASSIFIED SR-PB UP TO AND INCLUDING THE FIRST SEISMIC ANCHOR.
9. ——— DENOTES SAFETY RELATED PRESSURE BOUNDARIES.
   ——— DENOTES NON-SAFETY RELATED PRESSURE BOUNDARIES.
10. BY-PASS LINE FOR 2-MOV-651 & 2-MOV-652 IS INSTALLED ACROSS THE UPSTREAM VALVE SEAT.
11. WHEN MODIFYING THIS DRAWING, VERIFY AGAINST 62729SH0003 FOR POSSIBLE ADDITIONAL CHANGES. SOME COMPONENTS ON THIS DRAWING ARE ALSO SHOWN ON THAT DRAWING TO BE USED FOR REACTOR COOLANT VACUUM REFILL BOUNDARIES.

THIS DRAWING CREATED FROM OPERATIONS DRAWING 62-731-E SH.2 (OM-462), REV. 27, DATED 06-04-1993 & P&ID 62-257-E SH.2 (M-462), REV. 24, DATED 11-03-1993.

REV	DATE	DESCRIPTION	DWN	DSGN	DE	IR	APPROVED
38	9/4/03	AS BUILT INFO ONLY ES200001041-000	WHR RKL	–	–	–	RKL
39	4/7/03	AS BUILT DCN 62731SH0002-2005SH0001 ES200000514-001	WHR KWJ	–	–	–	KWJ
40	6/3/05	AS BUILT DCN 62731SH0002-2006SH0001 ES200400040-000	WHR [illegible]	–	–	–	[illegible]
41	11/2/06	AS BUILT DCN 62731SH0002-2007SH0001 ES200500004-000	WHR [illegible]	–	–	–	[illegible]

SAFETY INJECTION & CONTAINMENT SPRAY SYSTEMS

CALVERT CLIFFS NUCLEAR POWER PLANT
ENGINEERING SERVICES DEPARTMENT

CALVERT CLIFFS UNIT 2 | SIZE E | CAT. C

SCALE: NONE | VENDOR DWG. NO. OM-462SH0002 | REV. 41

DWG. NO. 62731SH0002

D-19