85 M 4 47W809-3

GAS STRIPPER FEED PUMP B
DESIGN PRES-150PSIG
DESIGN TEMP-200°F
CAP-30GPMe320'TDH

GAS STRIPPER FEED PUMP C
DESIGN PRES-150PSIG
DESIGN TEMP-200°F
CAP-30GPMe320'TDH

GAS STRIPPER FEED PUMP A
DESIGN PRES-150PSIG
DESIGN TEMP-200°F
CAP-30GPMe320'TDH

DRAIN-EVAP FEED ION EXCH 2B SH 5 COOR F6
VENT-EVAP FEED ION EXCH 2B SH 5 COOR E6
DRAIN-ION EXCH FILTER B SH 3 COOR H6
VENT-EVAP FEED ION EXCH 2A SH 3 COOR E6
DRAIN-EVAP FEED ION EXCH 2A SH 5 COOR E6
DRAIN HEADER
CLASS G
TRITIATED DRAIN COLLECTOR TANK 47W857-2 COOR C6

DRAIN-EVAP FEED ION EXCH 1B SH 5 COOR F5
VENT-EVAP FEED ION EXCH 1B SH 5 COOR E5
DRAIN-ION EXCH FILTER A SH 3 COOR H5
VENT-EVAP FEED ION EXCH 1A SH 3 COOR E5
DRAIN-EVAP FEED ION EXCH 1A SH 5 COOR E5
DRAIN HEADER
CLASS G
TRITIATED DRAIN COLLECTOR TANK 47W857-2 COOR C7

EVAP FEED ION EXCH 2A
EVAP FEED ION EXCH 2B
EVAP FEED ION EXCH 1A
EVAP FEED ION EXCH 1B
DESIGN PRES-300PSIG
DESIGN TEMP-250°F

VENT SH 3 COOR C2
VENT SH 3 COOR E2
DRAIN SH 3 COOR C2
DRAIN SH 3 COOR E2
VENT SH 3 COOR C1
VENT SH 3 COOR E1
DRAIN SH 3 COOR C1
DRAIN SH 3 COOR E1

RESIN DISCH SH 4 COOR B3
RESIN DISCH SH 4 COOR B2
RESIN FILL
LOCAL SAMPLE
PRIMARY WATER 47W819-1 COOR B10
CE 63-87
CE 63-88

EVAP FEED A SH 6 COOR G2
EVAP FEED B SH 6 COOR G2

ION EXCH FILTER B
DESIGN PRES - 200PSIG
DESIGN TEMP - 250°F

ION EXCH FILTER A
DESIGN PRES - 200PSIG
DESIGN TEMP - 250°F

WDS 47W830-3 COOR A1/A11
WDS 47W830-9 COOR A11/A1

CVCS VOLUME CONTROL TANK SH 1 COOR C12
SIS FLUSH UNIT 2 47W811-1
SIS ACCUM UNIT 2 47W811-1
SIS FLUSH UNIT 1 47W811-1
SIS ACCUM UNIT 1 47W811-1

SFPCS PUMP 47W855-1 COOR D6

CVCS LETDOWN UNIT 2 SH 6 COOR C12
CVCS CDAC UNIT 2 SH 5 COOR D11
WDS RCDT UNIT 2-1 SH 2 COOR E2
CVCS BORIC ACID MIX SKID UNIT 2 SH 2 COOR D2
CVCS ION EXCH B SH 6 COOR G9
CVCS CDBD UNIT 2 SH 4 COOR B1
WDS TK PUMPS 47W830-1 COOR A9
CVCS CDBD UNIT 1 SH 4 COOR F2
CVCS ION EXCH A SH 6 COOR G9
CVCS BORIC ACID MIX SKID UNIT 1 SH 2 COOR D2
WDS RCDT UNIT 1-1 SH 2 COOR E2
CVCS CDAC UNIT 1 SH 5 COOR B10
CVCS LETDOWN UNIT 1 SH 6 COOR C12

WDS TDCT 47W830-1 COOR F6
GAS ANALYZER 47W610-435 COOR D84
GAS ANALYZER 47W610-433-5 COOR D84
A PORTION OF THIS PIPE IS WITHIN THE QA PROGRAM SEE 47W555-3
VACUUM RELIEF 2 OZ/IN² VAC SETTING

HOLDUP TANK B
DESIGN PRES - 15PSIG
DESIGN TEMP - 200°F
HIGH LEVEL EL 698.5'
LO LEVEL EL 678.6'
LO LEVEL ALARM EL 677.6'

HOLDUP TANK A
DESIGN PRES - 15PSIG
DESIGN TEMP - 200°F
HIGH LEVEL EL 698.5'
LO LEVEL EL 678.6'
LO LEVEL ALARM EL 677.6'

HOLDUP TANK RECIRCULATION PUMP
DESIGN PRES - 75PSIG
DESIGN TEMP - 200°F
CAP-500GPMe100'TDH
LOCAL SAMPLE

SFPCS CHANL SH 2 COOR E-10

LINE MK NUMBER	HYDROSTATIC TEST PRESSURES (PSIG)
1	263
2	316
3	188
4	225

FOR PIPING ONLY. LIMITING COMPONENTS TO BE DETERMINED BY FIELD.

D-07

FSAR FIG. 9.3-15 SH 3
COMPANION DRAWINGS: 47W809-1 THRU 6

AUXILIARY BUILDING UNIT 1 & 2

FLOW DIAGRAM
CHEMICAL AND VOLUME CONTROL SYSTEM
AND BORON RECOVERY SYSTEM

WATTS BAR NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
*	*	*

KNOXVILLE 6-17-73 | 85 M 4 47W809-3 R18
RECORD DRAWING AS CONSTRUCTED

* FOR ORIGINAL SIGNATURES, SEE MICROFILM COPY

REV NO	DATE	MADE	CHKD	SUPV	RSP	SUBM	RECM
DSGN	PWH	HJS		SUPV			
DRWN	CWT			RSP			
CHKD	WCH	CES					
TRCG				ENGINEER			
COMP							

REV NO	CHANGE REF	DATE	DFTR	CHKR	DSGN	RVWR	1 APPD	2 APPD	3 APPD	ISSD
18	ADMIN M-27846-A DRAWING ENHANCED FOR LEGIBILITY. REVISED PER DCA M27846-199-0.	5-1-96	EHP	WLS	WLS	NR	NR	NR	WLS	WLS

SCANNED DOCUMENT
THIS IS A SCANNED DOCUMENT MAINTAINED ON THE WBNP OPTIGRAPHICS SCANNER DATABASE