



- NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR CHEMICAL FEED (CHLORINATION) SYSTEM TO BE PREFIXED WITH "WTC-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
 2. ALL INSTRUMENT AND EQUIPMENT NUMBERS FOR SERVICE WATER SYSTEM TO BE PREFIXED WITH "SWP-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
 3. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF NUCLEAR SAFETY FEATURES SYSTEM.
 4. MISCELLANEOUS ABBREVIATIONS AND SYMBOLS:
 - FLEON LINE
 - SAFETY CLASS CHANGE POINT
 5. ALL SERVICE WATER PIPING IS CLASS 158 UNLESS OTHERWISE NOTED.
 6. THE RESIDUAL CHLORINE ANALYZER (WTC-AE43) WILL BE INSTALLED BUT NOT USED.
 7. 3SWP-FIT137A AND 137B ARE SCALE CARDS WHICH ARE TO BE USED IN 3SWP-FIT11B.
 8. SPOOL PIECE REMOVED AND BLIND FLANGES INSTALLED DURING NORMAL OPERATION. SPOOL PIECE INSTALLED DURING EMERGENCY OPERATION ONLY.
 9. DELETED
 10. ALL VENT, DRAIN, TEST AND INSTRUMENT ROOT CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED.
 11. 3SWP-FIT147A, 147B, 154A, 154B, 155A, 155B, 156A & 156B ARE SCALE CARDS WHICH ARE TO BE USED IN 3SWP-FIT11A.
 12. DELETED
 13. DELETED
 14. DELETED
 15. POWER AND SLAVE VALVES FAIL "AS-IS" UPON LOSS OF POWER. POWER VALVE FAILS OPEN UPON LOSS OF CONTROL SIGNAL. SLAVE VALVE FAILS CLOSED.
 16. ALL VENTS, DRAINS & PRESSURE CONNECTIONS TO BE SAFETY CLASS 4 DOWN STREAM OF FIRST VALVE EXCEPT WHERE NOTED.
 17. SYSTEM PRESSURE MAY EXCEED DESIGN BY 3.0 PSIG IF ALL DISCHARGE PATHS ARE CLOSED CONCURRENT WITH MAXIMUM FLOOD AND WAVE ACTION OF 23.8 FT MSL.
 18. DELETED
 19. DELETED
 20. DELETED
 21. DELETED
 22. DELETED
 23. DELETED
 24. DELETED
 25. THE INSTALLATION OF KAMLOK TYPE FITTINGS WITH DUST CAPS OR PLUGS FOR SERVICE WATER VENT, DRAIN AND TEST CONNECTIONS IN LIEU OF CAPS OR OPEN ENDED PIPE NIPPLES IS ALLOWED AND ARE NOT REQUIRED TO BE DEPICTED ON THE PIPING AND INSTRUMENTATION DIAGRAM. THIS INSTALLATION HAS BEEN ADDRESSED ON DCN DM3-00-0639-98.
 26. THE SYSTEM OPERATIONS PROCEDURE GOVERNS THE POSITIONING OF VALVES AND DAMPERS (OPEN/CLOSED/LOCKED) VALVE/DAMPER POSITIONS DEPICTED ON THE P&ID ARE FOR GUIDANCE ONLY. REFER TO THE SPECIFIC PROCEDURE FOR VERIFICATION OF VALVE/DAMPER POSITION.

NUCLEAR SAFETY RELATED
QA CAT. I, II
FSAR FIGURE
OPERATIONS CRITICAL

REV.	DATE	DESCRIPTION	BY	CHK	APP
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

COMPONENTS SUBJECT TO AGING MANAGEMENT REVIEW

NO.	DESCRIPTION
3326	SERVICE WATER
3328	SODIUM HYPOCHLORITE

NOTE: SOME SHOWN LINES MAY CONTAIN COMPONENTS FROM MORE THAN ONE SYSTEM.

STONE & WEBSTER ENGINEERING CORPORATION
BOSTON, MASS.

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S&W DWG. NO.12179-EM-133A

D161