



- NOTES:
- FOR GENERAL NOTES, PIPING SYMBOLS AND P&ID INDEX, SEE DRAWING M-001.
  - FOR INSTRUMENTATION SYMBOLS SEE DRAWING M-002.
  - THIS DRAWING DEPICTS SYSTEM COMPONENTS IN THEIR NORMAL POSITIONS. THE ACTUAL FIELD LINE UP MAY VARY AND IS CONTROLLED BY PROCEDURES.
  - DELETED.
  - UNLESS OTHERWISE NOTED, ALL VENT CONNECTIONS ARE 3/4" AND DRAIN CONNECTIONS 1" LINE IDENT. SAME AS HEADER.
  - THE CONNECTIONS 1/2" ARE FOR ISOLATION VALVES LEAK TEST.
  - DELETED.
  - THIS PORTION OF THE STATION EFFLUENT SAMPLING SYSTEM IS NOT NORMALLY USED, BUT IS AVAILABLE IF DESIRED.
  - DELETED.
  - THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER RB-000091 FORMERLY 40183.031. THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
  - THE PIPING BETWEEN SS216 AND F1488 IS DISCONNECTED IN THE FIELD.
  - FOR DETAILS OF H/E(I) INSTRUMENTATION SEE THERMOM DNG. 77-251A (RECHTEL DNG. NO. 7749-E-14-125) AND THERMOM DNG. 18-258A (RECHTEL DNG. NO. 7749-E-14-135).
  - SEE TABLE ON DNG. M-046 SH. 1 FOR INDIVIDUAL SUMP PUMP NUMBERS AND THEIR ASSOCIATED HANGARWAYS AND ISOLATION VALVES.
  - PUMP P171 HAS BEEN REMOVED FROM THE WATER TREATMENT BUILDING SUMP. THIS SUMP IS NOW PUMPED USING A PORTABLE SUMP PUMP. THE PIPING BETWEEN THE SUMP AND THE NEUTRALIZING TANK IS ABANDONED IN PLACE. REFER TO FCR 86-044 SUPP. 00 AND 01.
  - WHERE NOTED THE TANK CAPACITY IS NOMINAL. WHERE APPLICABLE, SEE DR-PP-06705 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF: PCAR 96-0276).

LR NOTES:  
 A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.  
 B. COMPONENTS BEYOND HIGHLIGHTING ARE IN THE TURBINE BUILDING, WHERE (A)2-NSAS CONSIDERATIONS ARE NOT A CONCERN AND ARE THEREFORE NOT IN SCOPE.  
 LICENSE RENEWAL BOUNDARY DRAWING  
 LR-M046 REV. 1

SYSTEMS SHOWN ON THIS DRAWING:  
 20: STATION PLUMBING, DRAINS & SUMPS  
 23: SAMPLING SYSTEM  
 24: NSAS SYSTEMS  
 25: BORON RECOVERY SYSTEM

BECHTEL COMPANY GAITHERSBURG, MARYLAND	
DAVIS-BESSE NUCLEAR POWER STATION THE TOLEDO EDISON COMPANY THE CLEVELAND ELECTRIC ILLUMINATING COMPANY	
PIPING & INSTRUMENT DIAGRAM STATION DRAINAGE SYSTEMS	
JOB No.	DRAWING No.
7749	M-046
REV	REV
87	87

01262