FLOW DIAGRAM AUXILIARY COOLANT SYSTEM

WISCONSIN PUBLIC SERVICE CORPORATION
KEWAUNEE NUCLEAR POWER PLANT - UNIT NO. 1
CARLTON, KEWAUNEE COUNTY, WISCONSIN

Designed by Pioneer Service & Engineering Co.
CHICAGO, ILLINOIS U.S.A.

F.N. 5-5-72

PROJECT & DWG. NO. 237127A-X-K100-19

237127A-X-K100-19-

SEAL

Pioneer Service & Engineering Co. CHICAGO

DESIGN SECTION APPROVALS

SECTION	ORIGINAL	DATE
ELECTRICAL		
ELEC. CONTROL		
LIGHTING		
MECHANICAL		
INSTRUMENT		
STRU. PLG. & TYPG.		
STRU. ANAL. & DSGN.		
PIPELINE		
HYDRAULIC		
STRUCTURAL		
DIFFUSERS		

SECT.	A Nelson	28 Cooper	12/28/72
MECH.	R Sorensen	E Newhart	12/20/72
ELEC.	W Nelson	G Lounge	12/20/72

INSTRUCTIONS
- ☐ APPROVED & RELEASED FOR FABRICATION
- ☑ APPROVED EXCEPT AS NOTED & RELEASED FOR FABRICATION
- ☐ NOT APPROVED — FURTHER APPROVAL ITEMS REQUIRED
- ☐ FOR INFORMATION & INFORMATION ONLY NO APPROVAL REQUIRED

ACCORDING TO PUBLIC SERVICE CORP.
ORDER NO. E 100
PROJECT NO. 23-7127A
FOREIGN FILE NO. E 100-19

THIS DRAWING IS A PRODUCTION COPY OF DWG. 110B508, SHT. 1 (X-K100-19) REVISIONS AS FOLLOWS:

K | AT LOC C-1
ADDED PLUG VALVE 3/8" AC121-1, PER NSR 11852 - BY: W. SPICE 5-15-87 CHK'D S.P. 6-9-87 APP'D R.E.M. 6-10-87 FILM'D. 7-27-87.

L | OLD'S OD COMP SEE DR'S... ADDD. DEA 9-8-83 FILM'D WPS 9-13-83

L-1 | DCR 1195 MOVED PT 21144 & PI 413020A (WAS PI 41338) FROM C-7 TO C-8 AND DELETED VALVE 3/4 AC 122-1 & AT A-2. REVISED TAG NO PI 30201 - DWN CP 1-8-85 CHK'D CAP 1-21-85 APP'D & CERT 1-24-85 FILM'D WPS 1-29-85 INFO TRANSFERRED FROM C-1 BY WPS PER DCR 1195 BY TGL 9-9-85 CHK'D JM 9-19-85

M | DCR 1195 COMPL SEE REV. L-1 APP'D: BV 4-30-86 FILM'D(WPS) 5-7-86

N-1 | DCR 1590 ADDED VALVES AC 123-1, AC 123-2 & AC 124-1 BY: RBB 3-21-86 CHK'D: JM 3-21-86

N | DCR 1590 COMPL SEE REV N-1 APP'D: DES 4-10-86 FILM'D(WPS) 4-22-86

N-1 | REMOVED SYSTEM MARKER AT VALVE AC 19-1 PER DCR 1990 BY L. ZEHREN 5-1-86 CHK'D: JM 5-2-86

P | DCR 1590 COMPL. SEE REV N-1 APP'D: DES 5-2-86 FILM'D (WPS) 5-20-86

P-1 | NO WORK REQUIRED ON THIS DWG WORK DONE ON OPER. DWG ONLY PER DWG DISCR. BY: L. ZEHREN 10-20-86 CHK'D: JM 10-23-86

Q | DWG. DISCR. COMPL. SEE REV. P-1 APP'D: WMB 12-11-86 FILM'D: (WPS) 1-6-87

Q-1 | RECORD PURP. REVISED REF. DWG. NO. M 202 SHT 2 WAS M 208. DWN: RDC 9-30-87 CHK'D: SEF 11-2-87 APP'D: RPB 11-3-87

INFO TRANSFERRED FROM FEI BY WPS PER RECORD PURP. BY: RBB 12-28-87 CHK'D: JM 1-4-88

R | RECORD PURP COMPL. SEE REV Q-1 APP'D: R.S.I. 1-15-88 FILM'D (WPS) 1-26-88

NOTES:
1. ELBOW FLOW METER.
2. TCV-130 SHOWN SOLID ON CHEMICAL & VOLUME CONTROL SYSTEM, X-K100-36
3. TEMPORARY STRAINER IS PLACED IN THE SPOOL PIECE DURING INITIAL FLUSHING OPERATIONS, STRAINER MUST BE REMOVED BEFORE PLANT START-UP. CAPPED LINE IS CONNECTED TO PRESSURE GAUGE DURING INITIAL FLUSHING.
4. ALL PIPING (P. S. &E.) QUALITY ASSURANCE TYPE 1.
5. ☐ QUALITY ASSURANCE CODES BY P.S. &E.
6. RE-17 CONNECTION SHOWN ON DWG. X-K100-280
7. MOTOR OPERATORS & CONTROL BY PS. & E.

LEGEND
NON-SV ZONE | SV ZONE
[S] INSTALL SOLENOID VALVES IN DIRECTION SHOWN BY ARROW

APERTURE CARD 88Ø21ØØ172

X-K100-19 (R)