TABLE 1 : ISI BOUNDARY DIAGRAMS

STARTUP SYSTEM NO.	SYSTEM ACRONYM	ISI BOUNDARY DIAGRAM NO.	SYSTEM DESCRIPTION	P & ID NO.
N/A	ALL	ISID2-001	ISI BOUNDARY DIAGRAMS-DRAWING INDEX/ LEGEND SHEET	—
083-01	MS	ISID2-003A	MAIN STEAM AND REHEAT SYSTEM SH.1	M-003A
083-01	MS	ISID2-003C	MAIN STEAM AND REHEAT SYSTEM SH.3	M-003C
050-03	AF	ISID2-006D	AUXILIARY FEEDWATER SYSTEM	M-006D
063-01	SP	ISID2-007A	STEAM GENERATOR SECONDARY SYSTEM	M-007A
050-01/063-01	SP	ISID2-007B	STEAM GENERATOR SECONDARY SYSTEM	M-007B
037-02	DW	ISID2-010C	MAKE-UP WATER TREATMENT SYSTEM	M-010C
018-01	IA	ISID2-015A	INSTRUMENT AIR SYSTEM	M-015A
018-01	SA	ISID2-015D	STATION AIR SYSTEM	M-015B
026-02	DO	ISID2-017A	DIESEL GENERATORS	M-017A
024-01	DA	ISID2-017B	DIESEL GENERATORS AIR START	M-017B
074-01	NN	ISID2-019	NITROGEN SUPPLY SYSTEM	M-019
LATER	CV	ISID2-029B	AUX BLDG. RADWASTE, FUEL HANDLING AND ACCESS CONTROL AREAS.SH.2 (HV & AC AIR FLOW DIA.)	M-028B
LATER	CV	ISID2-029C	CONTAINMENT AND PENETRATION ROOMS	M-029C
LATER	CV	ISID2-029D	CONTAINMENT AND PENETRATION ROOMS SH. 3 (HV & AC AIR FLOW DIAGRAM)	M-029D
LATER	CV	ISID2-029E	CONTAINMENT AND PENETRATION ROOMS SH. 4 (HV & AC AIR FLOW DIAGRAM)	M-029E
064-02	RC	ISID2-030A	REACTOR COOLANT SYSTEM	M-030A
065-01	MU	ISID2-031A	MAKE-UP AND PURIFICATION SYSTEM	M-031A
065-01	MU	ISID2-031B	MAKE-UP AND PURIFICATION SYSTEM	M-031B
065-01	MU	ISID2-031C	MAKE-UP AND PURIFICATION SYSTEM	M-031C
052-01	HP	ISID2-033A	HIGH PRESSURE INJECTION	M-033A
049-02	DH	ISID2-033B	DECAY HEAT TRAIN 1	M-033B,042C 5
049-02	DH	ISID2-033C	DECAY HEAT TRAIN 2	M-033C,042C
051-01/061-01	CF/CS	ISID2-034	EMERGENCY CORE COOLING SYSTEM CTMT. SPRAY AND CORE FLOODING SYSTEMS	M-034
067-01	SF	ISID2-035	SPENT FUEL POOL COOLING SYSTEM	M-035
016-04	CC	ISID2-036A	COMPONENT COOLING WATER SYSTEM	M-036A
016-04	CC	ISID2-036B	COMPONENT COOLING WATER SYSTEM	M-036B
016-04	CC	ISID2-036C	COMPONENT COOLING WATER SYSTEM	M-036C
064-02	RC	ISID2-040A	REACTOR COOLANT SYSTEM DETAILS	M-040A
064-02	RC	ISID2-040D	REACTOR COOLANT PUMP AND MOTOR	M-040D
011-01	SW	ISID2-041A	SERVICE WATER PUMPS & SECONDARY SERVICE WATER SYSTEM	M-041A
011-01	SW	ISID2-041B	PRIMARY SERVICE WATER SYSTEM	M-041B
011-01	SW	ISID2-041C	SERVICE WATER SYSTEM FOR CONTAINMENT AIR COOLERS	M-041C
020-01	DD	ISID2-046	STATION DRAINAGE SYSTEMS	M-046
ALL	ALL	ISID2-023	CONTAINMENT LEAK-RATE TEST DIAGRAM	M-023

LEGEND

- ASME SECTION XI CLASS 1 PIPING (RED)
- ASME SECTION XI CLASS 2 PIPING (BLUE)
- ASME SECTION XI CLASS 3 PIPING (GREEN)
- CONTAINMENT (IWE) BOUNDARY (ORANGE)
- REFERENCE & CONTINUITY
- D—D HVAC DUCT
- ISIM2- REFERENCE TO THE PIPING ISOMETRIC DRAWING FOR DETAILS ON THE PIPING CONFIGURATION, AND THE LOCATION AND IDENTIFICATION OF WELDS AND SUPPORTS.
- RESERVED FOR SPECIAL ISI REQUIREMENTS. (MAY BE ACCOMPANIED BY SPECIFIC NOTES.
- REFERENCE TO THE ISI ITEM NUMBER DESIGNATION USED IN THE FIRST 10 YEAR INSERVICE INSPECTION INTERVAL.
- 12 ASME SECTION XI CLASS CHANGE
- 2 ISI PROGRAM BOUNDARY

NOTES:

1. THE INSERVICE INSPECTION BOUNDARY DIAGRAMS (ISIDS) ARE DRAWN ON COMPUTER AIDED DESIGN DRAFTING SYSTEM FROM PIPING AND INSTRUMENT DIAGRAMS AND COVER THE BOUNDARIES OF THE PIPING, SUPPORTS AND COMPONENTS THAT ARE SUBJECT TO INSERVICE INSPECTION (ISI) AND INSERVICE TESTING (IST) REQUIREMENTS. 5
2. DELETED
3. DELETED 5
4. IN PARTICULAR, THE ISI BOUNDARY DIAGRAMS DEFINE THE APPROXIMATE ISI PROGRAM BOUNDARIES FOR NONDESTRUCTIVE EXAMINATION OF WELDS AND INSPECTION OF SUPPORTS. REFER TO THE ISI PIPING ISOMETRIC DRAWINGS (ISIMS) FOR THE FOLLOWING DETAILED INFORMATION:
   (a) PHYSICAL PIPE ROUTING AND ISI BOUNDARIES.
   (b) LOCATION AND IDENTIFICATION OF PIPING WELDS (SHOP AND FIELD).
   (C) LOCATION AND IDENTIFICATION OF SUPPORTS (INCLUDING TYPE).
5. THE LEGEND SHOWN ON THIS DRAWING IS USED FOR DEFINING ISI REQUIREMENTS ON THE ISI BOUNDARY DIAGRAMS.
6. THE REPAIR, REPLACEMENT AND MODIFICATION PROGRAM IS APPLICABLE TO COMPONENTS, PIPING AND SUPPORTS THAT ARE WITHIN THE INSERVICE INSPECTION BOUNDARIES THAT ARE SHOWN ON THE ISI BOUNDARY DIAGRAMS.
7. REFER TO THE INSERVICE INSPECTION PROGRAM PLAN FOR ADDITIONAL DETAILS AND THE SPECIFIC REQUIREMENTS FOR THE INSERVICE INSPECTION OF COMPONENTS, PIPING AND SUPPORTS.
8. RG 1.26 REQUIRES THAT THE SYSTEM BOUNDARY FOR CLASS 2 AND 3 INCLUDE THOSE PORTIONS OF THE SYSTEM TO ACCOMPLISH THE SPECIFIED SAFETY FUNCTION UP TO AND INCLUDING THE FIRST VALVE (INCLUDING SAFETY OR RELIEF VALVE) THAT IS EITHER NORMALLY CLOSED OR CAPABLE OF AUTOMATIC CLOSURE WHEN THE SAFETY FUNCTION IS REQUIRED.

   BASED ON THIS RG 1.26 REQUIREMENT, VENTS, DRAINS, ETC. WHICH ARE DOUBLED VALVE LINEUPS IN CLASS 2 & 3: THE CLASS 2 OR 3 BOUNDARY IS AT THE FIRST VALVE.
9. FOR ISI PURPOSES ONLY THE CLASS 1 PIPING SYSTEMS SUPPLIED BY B & W HAVE BEEN ASSIGNED THE FOLLOWING LINE DESIGNATIONS WHICH ARE SIMILAR TO BUT ARE NOT TO BE CONFUSED WITH W601/W602 DESIGNATIONS:

   36"-CBA-1.6
   28"-CBA-2 TO 5,7 TO 10
   10"-BCA-1
   2½"-BCA-2 & 3
10. REFER TO THE INSERVICE TESTING PROGRAM PLAN FOR ADDITIONAL DETAILS AND THE SPECIFIC REQUIREMENTS FOR THE INSERVICE TESTING OF PUMPS AND VALVES. 5

NO.	DATE	REVISIONS	BY	DR'N	ENGR.	ENGR. SUPV.	ENGR. MGR.
5	11/6/98	INC. DCN ISID2-001-6 AND 7 PER DDR 01-1685	SBW	JJC		MAM	
4	10/21/98	INC. DCN ISID2-001-5 PER DDR 00-1766	INITIALS ON FILE				
3	01/14/97	INC. DCN ISID2-001-4 PER MOD 97-0009	INITIALS ON FILE				
2	10/23/96	INC. DCN ISID2-001-3 PER DDR 95-2486	INITIALS ON FILE				
1	12/14/91	INC. DCN'S ISID2-001 & 2 FOR DCR 91-0011	INITIALS ON FILE				
0	09/14/91	ISSUED FOR SECOND 10 YEAR ISI PROGRAM	BLN	JBG JJS	TWB	MGP	ECC

SCALE N.T.S. DESIGNED DRAWN CB DATE

DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO. 1
THE TOLEDO EDISON COMPANY

INSERVICE INSPECTION DIAGRAM
INSERVICE INSPECTION BOUNDARY DIAGRAM INDEX/ LEGEND SHEET

DRAWING NO. ISID2-001 REV. 5

DB 11-06-91 DFN= I:/ISID/ ISID001.DGN LEVELS

D-1

I CERTIFY THAT THE IMAGE CONTAINED ON THIS FRAME WAS MADE IN THE NORMAL COURSE OF BUSINESS AND CONFORMS TO THE DATA STATED BELOW AND THAT IT IS AN ACCURATE REPRODUCTION OF THE RECORDS OF SHARPER IMAGE RECORDS MANAGEMENT, DAVIS-BESSE N.P.S.
DATE 11-24-98 OPERATOR: Dorothy Wiebe
30X