



**Consumers  
Power  
Company**

**COPY**

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Office of Inspection and Enforcement  
Region III  
US Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

DOCKET 50-155 - LICENSE DPR-6 -  
BIG ROCK POINT PLANT - RESPONSE TO  
IE BULLETIN 80-08 EXAMINATION OF CONTAINMENT  
LINER PENETRATION WELDS

Consumers Power Company's response to IE Bulletin 80-08, Examination of Containment Liner Penetration Welds, dated April 7, 1980 is as follows:

Item 1

Determine if your facility contains the flued head design for penetration connections, or other designs with containment boundary butt weld(s) between the penetration sleeve and process piping as illustrated in Figure NE 1120-1, Winter 1975 Addenda to the 1974 and later editions of the ASME B&PV Code.

Response to Item 1

The Big Rock Point Plant contains the following types of mechanical penetrations as described above:

A) Total Penetrations:	114
B) Flued Head Design Penetrations:	0
C) Butt Welded (piping):	35
D) Electrical Penetrations:	48
E) Socket Welds:	19
F) Miscellaneous:	12

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Item 2

If an affirmative answer is reached for Item 1, determine the following:

- A) Applicability of the ASME Code including year and addenda and/or Regulatory Guide 1.19,
- B) Type of nondestructive examinations performed during construction,
- C) Type of weld joint (including pipe material and size) and whether or not backing bars were used,
- D) Results of construction nondestructive examinations, i.e., if repairs were required, this should be identified including extent of repairs and description of defects encountered during repair, if known.

Response to Item 2

- A) The containment structure at the Big Rock Point Plant was designed in accordance with the requirements of the ASME Code, Section VIII, 1959 Edition, per the Big Rock Point FHSR, Section 3.2.3.

Reg. Guide 1.19 was not in effect during the design and construction of the Big Rock Point Plant and does not impact the design/inspection of the penetrations.

- B) No NDT required during construction.
- C) See Attachment 1
- D) There are no records of repairs made to these welds.

Item 3

For those facilities committed during construction to perform volumetric examination of such penetrations through SAR commitments which have not performed radiography, justify not performing radiography or submit plans and schedules for performing radiographic examinations.

Response to Item 3

The Big Rock Point Plant had no commitment to perform radiographic examinations of the subject welds. Section VIII, paragraph UW-11a(5), as referenced above exempts from radiographs examinations all joints in nozzles which do not exceed 1-1/8" in wall thickness.

David P Hoffman (Signed)

David P Hoffman  
Nuclear Licensing Administrator

CC Director, Office of Nuclear Reactor Regulation  
Director, Office of Inspection and Enforcement  
Director, Division of Reactor Construction Inspection  
Resident Inspector - Big Rock Point

TABLE OF PENETRATIONS

<u>Penetration No</u>	<u>Penetration Type</u>	<u>Pipe Size</u>	<u>Material</u>	<u>Backing Bar</u>
1	Equipment Lock	12'-0"	CS/CS	No
2	Personnel Lock	7'-7"	CS/CS	No
3	Emergency Escape Lock	5'-6"	CS/CS	No
4	Manhole	24"	CS/CS	No
5	Eliminated	-	CS/CS	No
6	Eliminated	-	CS/CS	No
7	C	24"	CS/CS	No
8	C	24"	CS/CS	No
9	D	14"	CS/CS	No
10	A	12"	CS/CS	Yes
11	A	10"	CS/CS	Yes
12	A	10"	CS/CS	Yes
13	A	10"	CS/CS	Yes
14	A	4"	CS/CS	Yes
15	B	2"	CS/CS	No
16		Spare	CS/CS	No
17	C	Treated Waste	CS/CS	No
18	E	2"	CS/CS	No
19	B	3"	CS/CS	No
20-23	Socket Welds		CS/CS	No
24		Spare	CS/CS	No
25	Socket Welds		CS/CS	No
26	C	6"	CS/CS	No
27	C	4"	CS/CS	No
28	C	6"	CS/CS	No
29	C	6"	CS/CS	No
30		Spare	CS/CS	No
31		Spare	CS/CS	No
32		Spare	CS/CS	No
33		Spare	CS/CS	No
34		Spare	CS/CS	No
35	B	CRD Supply	CS/CS	No
36	C	6"	CS/CS	No
37	B	6"	CS/CS	No
38		Spare	CS/CS	No
39		Spare	CS/CS	No
40-87	Electrical			
88-99	Socket Welds		CS/CS	No
100	Lighting*	3"	CS/CS	No
101	Telephone*	3"	CS/CS	No
102	Spare*		CS/CS	No
103	Spare*		CS/CS	No
104	Lighting**	3"	CS/CS	No
105	Telephone**	3"	CS/CS	No
106	Spare**	3"	CS/CS	No
107	Spare**		CS/CS	No
108	Lighting***	3"	CS/CS	No
109-111	Spare***	3"	CS/CS	No
112	C	2"	CS/CS	No
113	C	4"	CS/CS	No

TABLE OF PENETRATIONS

<u>Penetration No</u>	<u>Penetration Type</u>	<u>Pipe Size</u>	<u>Material</u>	<u>Backing Bar</u>
114	Manhole	24"	CS/CS	No

\* Located in Equipment Lock  
\*\* Located in Personnel Lock  
\*\*\* Located in Emergency Escape Lock

NOTE: Type A Penetration is an expansion bellows  
Type B penetration is a semi-head cap with adjoining sleeve  
Type C penetration is a pipe spool piece  
Type D penetration is a semi-head cap with adjoining sleeve  
Type E penetration is sleeve with a flange fitting