

J.O.No. 12241
2BVM-179

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Originator _____

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Lead Licensing Engineer _____

Project Engineer _____

ASME CODE BASELINE DOCUMENT

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Beaver Valley Power Station - Unit No. 2
Duquesne Light Company
Pittsburgh, Pennsylvania

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PRELIMINARY

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Stone & Webster Engineering Corporation
Boston, Massachusetts

8407060068 840629
PDR ADOCK 05000412
E PDR

J.C.No. 12241
2BVM-179

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ASME CODE BASELINE DOCUMENT

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1.0 PURPOSE

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The purpose of this procedure is to identify the applicable ASME III and II code requirements imposed on ASME components installed at Beaver Valley Power Station - Unit No. 2 (BVS-2). This document is referenced in Section 3.2.2.4.1 of the BVS-2 SAR and is considered as part of the SAR.

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2.0 SCOPE

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The scope of this procedure includes all ASME III components, parts and assemblies in BVS-2 ASME III specifications. The specifications addressed by this procedure are identified in Table 1.

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3.0 REFERENCES

- 3.1 Title 10, Code of Federal Regulations, Section 50.55a (10CFR50.55(a)) - Codes and Standards.
- 3.2 ASME Boiler and Pressure Vessel Code, Section III - Division 1, 1971 Edition through 1980 Edition, Winter 1982 Addenda.
- 3.3 ASME Boiler and Pressure Vessel Code, Section XI, 1980 Edition through Winter 1980 Addenda.
- 3.4 Duquesne Light Company's Beaver Valley Power Station-Unit No. 2, Final Safety Analysis Report.
- 3.5 Stone and Webster Engineering Corporation Project Procedure 2BVM-35, Codes and Standard Requirements for Category I Specifications.

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4.0 DEFINITIONS

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- 4.1 ASME III - ASME Boiler and Pressure Vessel Code, 1.43
Section III - Division 1 "Rules for Construction of 1.44
Nuclear Power Plant Components."
- 4.2 ASME XI - ASME Boiler and Pressure Vessel Code, 1.46
Section XI, "Rules for Inservice Inspection of Nuclear 1.47
Reactor Coolant Systems."
- 4.3 ASME III Design Specification - The design 1.48
specification shall contain sufficient detail to 1.49
provide a complete basis for construction of an
ASME III component. Subarticle NA/MCA-3250 of the 1.51
applicable ASME III code identify, in further details,
what design data is required and needed to provide a 1.52
complete basis for construction. The design 1.53
specification shall be certified to be correct and
complete by a Registered Professional Engineer. 1.54
- 4.4 Other ASME III Specification - The other ASME III 1.55
specification contain applicable ASME III requirements 1.56
for ASME III material, parts, etc procured for BVPS-2. 1.57
These ASME III material, parts, etc will be installed 1.58
into an ASME III component and, therefore, the 1.59
specification must be reconciled with the ASME III
design specification for the component(s). This 2.2
specification is not certified by a Registered
Professional Engineer.

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DEFINITIONS

- 4.5 Construction Permit - The construction permit issued for Beaver Valley Power Station-Unit No. 2 by the NRC is dated May 3, 1974.

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5.0 GENERAL

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5.1 The BVPS-2 ASME specifications are classified into two 2.7
groups; i.e. ASME III design specifications and other 2.8
ASME III specifications. ASME III design 2.10
specifications are required for the construction of
ASME III components. Other ASME III specifications 2.12
are required for the procurement of ASME III material,
parts, etc. 2.13

5.2 Each ASME III specification shall identify the 2.14
specific ASME III Code edition/addenda that the 2.15
ASME III items covered by the specification are
constructed to. In addition, specific requirements of 2.17
earlier or later edition addenda of the ASME III Code 2.18
and ASME III Code Cases may be used in the
construction of an ASME III item providing the 2.19
requirements of NA/NCA-1140 ² of the ASME III Code are
met. X

PER THE REQUIREMENTS OF 10CFR 50.55(a),
5.3 In general, ^A the procurement date of ASME III items 2.20
dictate the ASME III Code edition/addenda specified in 2.21
the ASME III specification for the items. Paragraph 2.22
NA/NCA-1140(a) states "Code editions become mandatory
on July 1 of the publication year printed on the 2.23
cover. Addenda may be used on or after the date of 2.24
issue and become mandatory six months after the date 2.25
of issue." The exceptions of this requirement are 2.26
specifications 2BVS-22A, 2BVS-192, 2BVS-653, and ✓

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ADD INSERT 1

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The exceptions to this requirement are Specifications 2BVS-22A, 2BVS-192, 2BVS-653, 2BVS-679, and 2BVS-977. These specifications invoke the 1977 Edition through Summer 1979 Addenda of the ASME III Code except for 2BVS-977 which invokes the 1971 Edition through Winter 1972 Addenda of the ASME III Code. The procurement date for items covered by these specifications is 1981 or later. NCA-1140(a)(1) of the 1980 Edition of ASME III states, in part, "Under the rules of this Section, the Owner or his designee shall establish the Code Edition and Addenda to be included in the Design Specification."

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2BVS-679 which invoke the ASME III Code, 1977 2.27
edition/summer 1979 addenda. The procurement date for 2.28
items covered by these specifications is 1980 or
later.

5.4 The ASME III Code edition/addenda specified in the 2.29
specification automatically invokes the associated 2.30
ASME II Code edition/addenda for pressure-retaining
materials used in the fabrication of the items covered 2.31
by the specification. Due to availability, however, 2.32
material manufactured to earlier or later ASME III
requirements may be used providing the M-Certificates 2.33
holder certifies the use of this material satisfies 2.34
the design requirements. Because the BVS-2 ASME 2.35
specifications were generated over an extended period
of time and the specific wording to certify the use of 2.36
earlier/later materials has changed 2.37
during that period, the specifications identify
the specific requirements for 2.38
allowing the use of earlier/later material.

6.0 TABLE 1 2.41

6.1 Table 1 identifies all ASME III components, materials, 2.43
parts, etc, by specification procured for use at 2.44
BVPS-2.

6.2 Table 1 consists of the following columns: 2.46

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- 6.2.1 ASME Component/Part - Identifies the 2.48
specification title and, where practical, the 2.49
mark number of the ASME items covered by the
specification.
- 6.2.2 Specification No. - The specification numbers 2.50
i.e. ASME-1, etc. 2.51
- 6.2.3 Design Specification (Y/N) - Identifies the 2.51
classification of the specification; i.e. Y 2.52
indicates an ASME III design specification and
N indicates an ASME III parts specification. 2.53
- 6.2.4 Vendor - This is the name of the company the 2.54
ASME items covered by the specification were 2.55
procured from.
- 6.2.5 Applicable ASME Code Edition/Addenda - The 2.56
ASME III edition^(E)/addenda^(A) identified in the 2.57
Applicable Document section of the
specification^{which} indicates the ASME III 2.58
requirements the items covered by the
specification are constructed to. 2.59
- 6.2.6 Applicable ASME III Code Deviations/Code 3.1
Cases - Any requirements from earlier and/or 3.2
later ASME III edition/addenda or code cases
imposed on the A ^{DESIGN AND FABRICATION} of the item covered 3.3
by the specification. These requirements or 3.4

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code cases are listed in the Applicable Documents section of the specification.

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6.2.7 Remarks - Any information that may help clarify the ASME requirements for the items covered by the specification.

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ASME Code Baseline Document

TABLE 1

ASME Component/Part	Spec. No.	Design Spec. (V/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Nuclear Steam Supply System - DISHE III, Class I			Westinghouse			
1) Reactor Vessel				1) 1971E-S77A		
2) Steam Generator				2) 1971E-S77A		
3) Pressurizer				3) 1971E-S77A		
4) CRDM Housing				4a) 1971E-S77A		
a) Full Length				4b) 1971E-W77A		
b) Part Length						
5) Reactor Coolant Pumps				5) 1971E-W77A		
6) Reactor Coolant Piping				6) 1971E-W77A		
7) Surge Lines				7) 1971E-W77A		
a) Valves						
a) Pressure Spray				8a) 1971E-W77A		
b) M.O. Main Loop Isolation				8b) 1971E-W77A		
c) M.O. Main Loop Bypass				8c) 1971E-W77A		
d) Other (M.O.)				8d) 1971E-W77A		
e) Manual (3" Langer)				8e) 1971E-S77A		
f) Control				8f) 1971E-S77A		

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TABLE 1

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
B) Associated ASME III Components - <u>ASME III, Class 2/3</u>						
1) Accumulator Tank				1) 1971E-VI73A		1) The Design Specification defines that portion of the component support structure subject to ASME III, HF requirements.
2) Letdown Heat Exchanger				2) 1974E		2) Same as 1 above
3) Regenerative Heat Exchanger				3) 1974E		3) Same as 1 above
4) Excess Letdown Heat Exchanger				4) 1974E-574A		4) Same as 1 above
5) RHR Heat Exchanger				5) 1974E-574A		5) Same as 1 above
6) Seal Water Heat Exchanger				6) 1974E-574A		6) Same as 1 above

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Fuel Pool Heat Exchanger - ASME III, Class 3 2FNC*E21A,B	2BVS-003	Y	Jospeh Out & Sons, Inc.	1971I-573A	N/A	1.16 1.17 1.18 1.19

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Primary Component Cooling Water Pumps - ASME III, Class 3 2CCP*P21A,B,C	28V5-010	Y	Ingersoll Rand Co.	1971E-S/PA	N/A	1.21 1.22 1.23 1.24 1.25

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Fuel Pool Cooling Pumps - ASME III, Class 3 21NC-P21A 21NC-P21B	2BVS-011	Y	Goulds Pumps, Inc.	1974	1) SA-487, Gr. CA6NM material (1974-S75A) used for case feet.	1) The specification defines that portion of the com- ponent support structure subject to ASME III, NF requirements.	1.27 1.28 1.29 1.30 1.31

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Recirculation Spray Coolers - ASME III, Class 2 2RSS*E21A,B,C,D	2BVS-012A	Y	Joseph Out & Sons, Inc.	1971E-5/2A	N/A	1.33 1.34 1.35 1.36

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Primary Component Cooling Water Heat Exchangers - ASME III, Class 3 2CCP*E21A,B,C	2BVS-012B	Y	Struthers Wells Corp.	1971E-S72A	N/A	1.38 1.39 1.40 1.41 1.42

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TABLE 1

ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Recirculation Pumps - ASME III, Class 2 2RSS#P21A, B, C, D	2BVS-015	Y	Bingham Williamette	1971E-M/CA	1) Liquid penetrant examination (1971E-M/3A)	1.44 1.45 1.46 1.47

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Miscellaneous Check Valves 2 1/2 in. & larger - ASME III, Class 2&3 VCW015-Y-2 VCW060-A-2 VCW150-X-2 VCW060-Y-2 VCW015-C-3 VCW090-A-2 VCW060-AA-2 VCW015-AS-3	2BVS-020	Y	Atwood & Morrill Co.	1974E-S74A	1) SA-515, Gr. 70 material (1974E -W74A) is an acceptable sub- stitute for specified SA- 515, Gr. 70 material. 2) SA-182, Gr. F-6A Cl 1 or 2 material (1977E-W78A) is an accept- able substitute for specified SA-182, Gr. F-6A material.	1) Pressure-retaining material may be procured to later than those addenda of ASME III dated July 1, 1974, in accordance with the provi- sions of ASME III, NA-1140 (1E4) provided the Seller certifies that the material meets or exceeds the re- quirements of material in accordance with the appli- cable ASME III/III edition/ addenda. Specific Engi- neer's approval is required if this certification can- not be made by the Seller.	1.49 1.50 1.51 1.52 1.53 1.54 1.55 1.56 1.57 1.58 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Insert Check Valves, 2 1/2 In. & Larger - ASME III, Classes 2 & 3 VC1015-A-3 VC1015-C-3	28VS-022	Y	IRW Mission 1974 Manufacturing Co.		N/A	2.11 2.12 2.13 2.14 2.15 2.16 2.17

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Edits	Applicable ASME III Code Deviations/ Code Cases	Remarks
Insert Check Valves, 2 1/2 In. & Larger - ASME III, Classes 2 & 3 VC1015-X-2	2BVS-022A	Y	Clow Corp.	1977E-579A	N/A	2.19 2.20 2.21 2.22 2.23 2.24

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TABLE 1

ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Degasifiers - ASME III, Class 3 2BRSEV21A, EV21B	2BVS-023	Y	Tower Iron Works	1974	N/A	2.26 2.27 2.28 2.29 THE DEGAISIFIERS AND THE PIPING SYSTEM IN WHICH THESE ITEMS ARE INSTALLED WERE DOWN- GRADED TO NON-ASME III (NON-NUCLEAR SAFETY RELATED) AFTER FABRICATION.

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Quench Pumps - ASME III, Class 2 2QSS*P21A, P21B	2BVS-024	Y	Bingham Williamette Co.	1971I-S12A	N/A	2.31 2.32 2.33 2.34 2.35 2.36 2.37 2.38 2.39 2.40 2.41 2.42 2.43 2.44 2.45 2.46 2.47 2.48 2.49 2.50

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Miscellaneous Small Heat Exchangers - ASME III, Class 3 2BRS*E24A1 and A2, B1, and B2 2BRS*E21A, E21B 2BRS*E22A, E22B 2BRS*E23A, E23B 2NSS*E21	2BVS-031	Y	Atlas Industrial Manufacturing Co.	1971E-WICA	N/A	2.52 2.53 2.54 2.55 2.56 2.57 2.58 3.1 3.2 3.3

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Field Fabricated Tanks - ASME III, Classes 2 & 3 2QSS*TK21 2FWE*TK210 2CHS*TR21A, TK21B	2BVS-033	Y	Reco Con- structors, Inc.	1974E-W75A	N/A	

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Quench & Recirculation Spray Nozzles - ASME III, Class 2	2BVS-048A	N	Spray Engineering Co.	1980I-W30A	N/A	<p>1) These nozzles are being constructed to the requirements of the specified ASME III edition/addenda. These items shall be incorporated into the piping system which is constructed to ASME III 1971I-W72A requirements as defined in ASME III Design Specification 2BVS-939, "Piping Engineering and Design." The specified ASME III edition/addenda requirements have been compared to and reconciled with the applicable requirements of ASME III 1971I-W72A.</p>

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Shop Fabricated Vessels - ASME III, Classes 2 & 3 2CCP*TK21A, TK21B 2EGF*TK21A, TK21B 2GWS*TK21 2GWS*TK22A, TK22B, TK22C, TK22D 2NSS*TK21 2QSS*TK22 2CHS*DEM21A, DEM21B 2CHS*DEM22 2CHS*DEM23A, DEM23B 2EGF*TK22A, TK22B	2BVS-054	Y	National Annealing Box Co.	1974I (except for 2EGF*TK22A, TK22B which comply with 1974I-S16A)	N/A	1) The specification defines that portion of the com- ponent support structure subject to ASME III, NF requirements.	3.53 3.54 3.55 3.56 3.57 3.58 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9

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TABLE 1

ASME Component/Part	Spec. No.	Design Spec. (1/2")	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Shop Fabricated Piping ASME III, Classes 1, 2, & 3 Various	28VS-058	Y	Power Piping Co.	19711-W7A	<p>1) HA-3700 (1974E-W7A) for material manufacturers and material suppliers quality systems programs.</p> <p>2) RB-2400 (1977E-5/7A) for welding and brazing material.</p> <p>3) CB-2420 (1977E-W7A) for required tests.</p> <p>4) RB-4620 (1977E-W7A) for required tests.</p> <p>5) ASME 11, Part C SFA 5.23 (1971) for welding material.</p> <p>6) C/C N-292 (deposited prior to preparing ends for welding).</p>	<p>h.11 This specification, together with specifications 28VS-59, 28VS-920, and 28VS-939 constitute a complete basis for construction of ASME III piping.</p> <p>h.12</p> <p>h.13</p> <p>h.14</p> <p>h.15</p> <p>h.16</p> <p>h.17</p> <p>h.18</p> <p>h.20 Material may be procured to later edition/addenda of ASME III provided the later edition/addenda are acceptable in accordance with the latest issue of ASME III and the applicable rules and regulations of the Commonwealth of Pennsylvania. Also, material manufacturers/suppliers are required to certify on their CMR or C of C that the requirements of Appendix I of the later edition/addenda have not changed from the Appendix I of the specified ASME III.</p> <p>h.21</p> <p>h.22</p> <p>h.23</p> <p>h.24</p> <p>h.25</p> <p>h.26</p> <p>h.27</p> <p>h.28</p> <p>h.29</p> <p>h.30</p> <p>h.31</p> <p>h.32</p> <p>h.33</p> <p>h.34</p> <p>h.35</p> <p>h.36</p> <p>h.37</p> <p>h.38</p> <p>h.40</p> <p>h.41</p> <p>h.42</p> <p>h.43</p> <p>h.44</p>

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TABLE 1

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks	
Loose & Random Piping, Fittings, & Accessory Material, Stainless Steel & Carpenter 20 Steel - ASME III, Classes 1, 2, & 3	2BVS-058A	N	Guyon Alloys Inc.	19711-M/2A	N/A	1) This loose and random piping material is being manufactured to the requirements of the specified ASME III edition/addenda. These items shall be incorporated into a piping system which is constructed to ASME III, 19711-M/2A requirements as defined in ASME III Design Specification 2BVS-939, "Piping Engineering and Design."	4.46 4.47 4.48 4.49 4.50 4.51 4.52 4.53 4.54 4.55 4.56 4.57 4.58
						2) Material may be procured to later edition/addenda of ASME III provided the later edition/addenda is acceptable in accordance with the latest issue of 10 CFR 50.55(a) and the applicable rules and regulations of the Commonwealth of Pennsylvania. Also, material manufacturers/suppliers are required to certify on their CMR or C of C that the requirements of Appendix I of the later edition/addenda have not changed from the Appendix I of the specified ASME III.	5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 5.10 5.11 5.12 5.13 5.14 5.15 5.16 5.17 5.18 5.19 5.20

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Loose & Random Piping, Fittings, & Accessory Material, Carbon Steel, Cast Iron, Copper, etc - ASME III, Classes 1,2,&3	2BVS-058B	N	PBI Industries	1971E-W72A	N/A	1) This loose and random piping material is being manufactured to the re- quirements of the specified ASME III edition/addenda. These items shall be in- corporated into a piping system which is constructed to ASME III, 1971E-W72A requirements as defined in ASME III Design Specifi- cation 2BVS-939, "Piping Engineering and Design."	5.22 5.23 5.24 5.25 5.26 5.27 5.28 5.29 5.30 5.31 5.32 5.33 5.34
						2) Material may be procured to later edition/addenda of ASME III provided the later edition/addenda is acceptable in accordance with the latest issue of 10CFR50.55(a) and the ap- plicable rules and regu- lations of the Common- wealth of Pennsylvania. Also, material manufac- turers/suppliers are re- quired to certify on their CMR or C of C that the requirements of Appendix I of the later edition/ addenda have not changed from the Appendix I of the specified ASME III.	5.36 5.37 5.38 5.39 5.40 5.41 5.42 5.43 5.44 5.45 5.46 5.47 5.48 5.49 5.50 5.51 5.52 5.53 5.54

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TABLE 1

ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (V/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Design & Fabrication of Power Plant Piping Supports - ASME III, Classes 1, 2, & 3	28VS-059	Y	Power Piping Co.	19/11-S/3A	1) CG/R-224 (use of A-500 Gr. B & A501 structural tubing for welded attachments to Classes 2&3 piping).	<p>1) This specification, together with specifications 28VS-58, 28VS-920, and 28VS-939 constitute a complete basis for construction of ASME III piping.</p> <p>2) Material may be procured to a later edition/addenda of ASME III provided the later edition/addenda are acceptable in accordance with the latest issue of 10C100.55(a) and the applicable rules and regulations of the Commonwealth of Pennsylvania.</p> <p>Also, material manufacturers/suppliers are required to certify on their CHIR or C of C that the requirements of Appendix I of the later edition/addenda have not changed from the Appendix I of the specified ASME III.</p>

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TABLE 1

ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Permanent Strainers, Simplex & Y-Type - ASME, Classes 2 & 3 2SWS*STR25, 26 2SWS*STR43, 84 2SWS*STR8, 9, 10 2SWS*STR39, 40, 41, 42	28VS-063	N	Leslie Co.	1971I-S/3A	N/A	<p>1) These strainers are being constructed to the requirements of the specified ASME III edition/addenda. These items shall be incorporated into the piping systems which are constructed to ASME III 1971I-W/2A requirements as defined in ASME III Design Specification 28VS-939, "Piping Engineering and Design." The specified ASME III edition/addenda requirements have been compared to and reconciled with the applicable requirements of ASME III, 1971I-W/2A.</p> <p>6.25 6.26 6.27 6.28 6.29 6.30 6.31 6.32 6.33 6.34 6.35 6.36 6.37 6.38 6.39 6.40 6.41 6.42 6.43 6.45 6.46 6.47 6.48 6.49 6.50 6.51 6.52 6.53 6.54 6.55 6.56</p>

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Forged Carbon Steel Valves, 2 in. & Smaller - ASME III, Classes 2 & 3 VCS060-A-2 VCS060-A-3 VCS060-B-3 VCS150-C-3 VGS060-B-2 VGS060-B-3 VOS060-C-2 VOS060-C-3 VOS150-G-3	2BVS-064	Y	Dresser Industries, Inc.	1971H-S73A	N/A	6.58 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 7.10 7.11 7.12 7.13

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Forged Carbon Steel Valves, 2 in. & Smaller - ASME III, Classes 2 & 3 VCS060-AZ-2 VCS060-AZ-3 VCS060-BZ-3 VCS150-CZ-3 VGS060-BZ-3 VGS060-B-2 VOS060-BZ-3 VOS060-CZ-2 VOS060-C-2 VOS060-CZ-3 VOS150-GZ-3	2BVS-064A	Y	Vogt Engi- neering Co. Inc.	1977I-S79A	N/A	7.15 7.16 7.17 7.18 7.19 7.20 7.21 7.22 7.23 7.24 7.25 7.26 7.27 7.28 7.29 7.30

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Reactor Contain- ment Liner and Mat Embedments ASME III Items: Fuel Transfer Tube Expansion Bellows Equipment Hatch Emergency Air Lock Emergency Air Lock Equalizing Valves Personnel Air Lock Piping Penetrations	2BVS-065	Y	Pittsburgh- DesMoines Corp.	1971-I-W12A (except for Emergency Air Lock Equalizing valves which comply with 1971E-W12A)	1) C/C 1130-3 (Fuel Transfer Tube Expansion Bellows) 2) C/C 1177 (Fuel Transfer Tube Expansion Bellows)	7.32 7.33 7.34 7.35 7.36 7.37 7.38 7.39 7.40 7.41 7.42 7.43 7.44 7.45
7.46						7.47

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Stainless Steel Valves, 2 1/2 In. & Larger - ASME III, Classes 2 & 3 VCF015-X-2 VCF015-X-3 VGW015-X-3 VGW015-Y-2 VGW060-X-2 VGW030-S-2	2BVS-066	Y	Walworth Co.	19711-W/2A	1) C/C N-140 (bonnet bolting) 2) C/C 1612 (nuclear valves for Classes 1, 2, & 3 construction	1) Pressure-retaining material may be procured to a later ASME II edition/addenda material specification in accordance with the provi- sion of ASME III, NA-1140 (f&G) providing the Seller certifies that the material meets or exceeds the speci- fied ASME II/III edition/ addenda material specifica- tion requirements.
						7.49 7.50 7.51 7.52 7.53 7.54 7.55 7.56 7.57 7.58 8.1 8.2

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Ball Valves - All Sizes, Manual & Motor-Operated - ASME III, Class 2 & 3	2BVS-067	Y	Contro- matics	19711-573A	1) C/C 1672 (nuclear valves for Classes 1, 2, & 3 construction)	1) Pressure-retaining material may be procured to a later ASME II edition/addenda material specification in accordance with the provi- sions of ASME III, NA-1140 (F&G).
VBF015-Y-2						8.4
VBF015-Y-3						8.5
VBS015-Y-2						8.6
VBS015-Y-3						8.7
VBS015-YA-3						8.8
VBS015-Z-2						8.9
VBS015-Z-3						8.10
VBS015-ZA-2						8.11
VBW015-B-3						8.12
VBW015-X-2						8.13
VBW015-X-3						8.14
VBW015-XA-2						8.15
VBW015-Y-2						8.16
VBW015-Y-3						8.17
2HVR*DM206						8.18
2BRS*MOV100A,B						8.19
2HCS*MOV110A,B						8.20
2HCS*MOV112A,B						8.21
2HCS*MOV113A,B						8.22
2CHS*MOV116						8.23
2CHS*MOV117						8.24
2CCP*MOV118						8.25
2CCP*MOV119						8.26
2CCP*MOV120						8.27
2SWS*MOV170A,B						8.28

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Butterfly Valves, Flanged & Wafer Type - ASME III, Classes 2 & 3 VVF015-A-3 VVF015-A-3-C VVF015-GR-2 VVI015-AR-2 VVI015-AR-3 VVI015-A-3	2BVS-069	Y	Henry Pratt Co.	1971E-W12A	1) C/C 1567 (7018 welding electrodes) 2) C/C 1516-2 (valve seats) 3) C/C 1702 valves larger than 1 1/2 in.)	1) Pressure-retaining material may be procured to a later ASME II edition/addenda material specification in accordance with the provi- sions of ASME III, NA-1140 (f&g).	8.35 8.36 8.37 8.38 8.39 8.40 8.41 8.42 8.43 8.44

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Temporary Strainers, Y-Type, 6 in. & Smaller - ASME III, Classes 2 & 3 2FWE*STRT100 2FWE*STRT101 2CHS*STRT103 2CHS*STRT104 2BRS*STRT110 2BRS*STRT111 2CHS*STRT105 2CHS*STRT106 2CHS*STRT107 2FNC*STRT108 2FNC*STRT109	2BVS-072B	N	Permutit Co.	1974E-W76A	N/A	1) These strainers are being constructed to the require- ments of the specified ASME III edition/addenda. These items shall be incorporated into the piping system which is constructed to ASME III, 1974E-W72A requirements as defined in ASME III Design Specification 2BVS-939, "Piping Engineering and Design". The specified ASME III edition/addenda requirements have been com- pared to and reconciled with the applicable re- quirements of ASME III, 1974E-W72A.
						8.46 8.47 8.48 8.49 8.50 8.51 8.52 8.53 8.54 8.55 8.56 8.57 8.58 9.1 9.2 9.3 9.4 9.5

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Carbon Steel Valves, 2 1/2 In. & Larger - ASME III, Classes 2 & 3 VCF015-C-3 VCW015-A-3 VCW060-A-2 VCW060-A-3 VCW060-A-2 VCW060-A-3 VOW015-A-3	2BVS-073	Y	Walworth Co.	1971C-S72A	1) C/C 1567 (weld filler metal) 2) C/C 1612 (name- plate and data report)	1) Pressure-retaining material may be procured to a later ASME II edition/addenda material specification in accordance with the provi- sions of ASME III, NA-1146 (I&G) provided the Seller certifies that the material meets or exceeds the speci- fied ASME II/III edition/ addenda material specifi- cation requirements.
						9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17 9.18

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ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Carbon Steel Valves, 2 1/2 in. & larger - ASME III, Classes 2 & 3 VCF015-CZ VCF015-AZ VCF015-BZ VCF016-AZ VCF016-AZ VCF015-AZ	2BVS-073A	Y	Valan Valve Corp.	1977-5/7A	N/A	9.20 9.21 9.22 9.23 9.24 9.25 9.26 9.27 9.28 9.29 9.30 9.31 9.32 9.33

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Forged Stainless Steel Valves, 2 in. & Smaller - ASME III, Classes 2 & 3	2BVS-075	Y	Veian Valve Co.	1971E-S12A	1) C/C 1612 (Nameplate and Data Report).	9.35 9.36 9.37 9.38 9.39

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks	
Motor-Operated Butterfly Valves, Flanged & Wafer Type - ASME III, Classes 2 & 3	2BVS-076	Y	Henry Pratt Co.	19711-M2A	1) C/C 1516-2 (welding of seats or minor internal permanent attachments in valves).	1) Pressure-retaining material may be procured to a later edition/addenda than specified providing the provisions of WA-1140 (f) & (g) of ASME III are met.	9.41 9.42 9.43 9.44 9.45 9.46 9.47 9.48 9.49 9.50 9.51 9.52 9.53 9.54 9.55 9.56 9.57 9.58 10.1 10.2 10.3 10.4 10.5 10.6 10.7 10.8 10.9 10.10 10.11 10.12 10.13
2SCP*MOV150-1,-2, 151-1,-2							
2SCP*MOV156-1,-2, 157-1,-2							
2SWS*MOV152-1,-2, 153-1,-2							
2SWS*MOV154-1,-2, 155-1,-2							
2SWS*MOV160,161, 162,163							
2SWS*MOV164,165, 166,167							
2CCP*MOV175-1,-2, 176-1,-2							
2CCP*MOV177-1,-2, 178-1,-2							
2CCP*MOV173							
2CCP*MOV128A, B							
2HVC*MOD208A, B							
2SWS*MOV120A, B							
2SWS*MOV103A, B							
2SWS*MOV106A, B							
2SWE*MOV115A, B							
2RSS*MOVA, B, C, D							

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Motor-Operated Butterfly Valves, Flanged & Wafer Type - ASME III, Classes 2 & 3	28VS-076A	Y	Posi-Seal	1974f - S76A	N/A	10.15 10.16 10.17 10.18 10.19 10.20 10.21 10.22 10.23 10.24 10.25

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Motor-Operated Cast Carbon Steel Valves, 2 1/2 In. & Larger - ASME III, Classes 2 & 3 2SWS*MOV104A, B, C, D 2SWS*MOV105A, B, C, D 10.34 2SWS*MOV113A, B, C, D	2BVS-077	Y	Walworth Co.	1971E-W12A	N/A	10.27 10.28 10.29 10.30 10.31 10.32 10.33 10.35 10.36 10.37

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Diaphragm Valves - 2BVS-081 ASME III, Classes 2 & 3 VDS015-E-2 VDS015-E-3 VDS015-C-3 VDW016-C-3 VDW016-YY-3		Y	ITT Grinnell	1971E-W11A	1) C/C 1540-2 (elastomer)	10.39 10.40 10.41 10.42 10.43 10.44 10.45 10.46

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Manual & Motor Operated Stainless 10.49	2BVS-082A	Y	Anchor/ Darling	1980E-MB0A	N/A	10.48 Valve Co.
2 1/2 In. & Larger - ASME III, Classes 2 & 3					Steel Valves,	10.50 10.51 10.52 10.53 10.54 10.55 10.56 10.57 10.58
2QSS*MOV100A,B						
2QSS*MOV101A,B						
2QSS*MOV102A,B						
2RSS*MOV154C,D						
2CHS*MOV111						
2RSS*MOV156A,B,C,D						

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Hermetically Sealed Globe Valves and Soft Check Valves - ASME III, Classes 2 & 3 VCS060-J-3 VSS150-A-2 VSS150-A-3 VSS150-B-2 VSS150-X-3 VSS200-R-2 VSS200-R-3 VSS150-B-3 VCS060-J-2	2BVS-083	Y	Kerotest Manufac- turing Co.	1971	1) C/C 1539-1 (metal bellows and metal diaphragm).	1) Pressure-retaining material may be procured to a later ASME II edition/addenda material specification in accordance with the provi- sions of ASME III, NA-1140 (F&G), provided the Seller certifies that that mate- rial meets or exceeds the specified ASME II/III edition/addenda material specification requirements.
						11.2 11.3 11.4 11.5 11.6 11.7 11.8 11.9 11.10 11.11 11.12 11.13 11.14 11.15 11.16

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Plug Valves, All Sizes - ASME III, Classes 2 & 3 VPM015-AW-3 VTW016-B-3 2SWH*MOV562,563 564,565 2CHS*MOV100A,B 2IAC*MOV130 2IAC*MOV133 2IAC*MOV134 2CHS*MOV110A,B 2HCS*MOV112A,B 2HCS*MOV120A,B	2BVS-091	Y	Xomox Corp.	1974	N/A	11.18 11.19 11.20 11.21 11.22 11.23 11.24 11.25 11.26 11.27 11.28 11.29 11.30 11.31

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ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviation/ Code Cases	Remarks
Feedwater Isolation Trip Valves - ASME III, Class 2 2FWS-HYV157A, B, C	2BVS-092	Y	Borg-Warner, Nuclear Valve Div.	1971-571A	1) Testing of electrodes (pg. RB-2020 (c) & (f) of 1971-571A	11-33 11-34 11-35 11-36 11-37

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Degasifier Circulation Pumps/Fire Water Booster Pump and Control Room Refrigerant Condenser Recirculation Pumps - ASME III, Class 3 2BRS*P22A,B 2SWS*P25A,B	2BVS-094	Y	Goold Pump, Inc.	1971E-WIPA	1) C/C 1677 (Flange design)	11.39 11.40 11.41 11.42 11.43 11.44 11.45 11.46 11.47 11.48

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Self-Cleaning Strainers - ASME III, Class 3 2SWS*STR-M-47,48	2BVS-098A	Y	Zurn Industries, Fluid Handling Div.	1971I-S11A	N/A	1) The specification defines that portion of the com- ponent support structure subject to ASME III, NI requirements.	11.50 11.51 11.52 11.53 11.54

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Quench Spray Chemical Injection Pumps - ASME III, Class 3 2QSS*P24A,B	2BVS-135	Y	Crane- Deming Pumps	1980I-S&TA	N/A	1) The specification defines that portion of the com- ponent support structure subject to ASME III, NF requirements.	11.56 11.57 11.58 12.1 12.2

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Refrigerant Condensing Units - ASME III, Class 3 2HVC*REF24A,24B	2BVS-160	Y	Carrier Air Conditioning Co.	1974	1) C/C 1634-1 (use 1) of SB-359 material)	The specification defines that portion of the com- ponent support structure subject to ASME III, NF requirements.	12.4 12.5 12.6 12.7 12.8

- 2) Materials manufactured to later edition, addenda of the specified ASME III Code may be used provided the N-Certificate Holder for the items being furnished reconcile the material requirements of the later edition, addenda used with the design requirements of the item being furnished. The signature of the N-Certificate Holder and his Authorized Nuclear Inspector on the ASME III Data Report signifies their acceptance of the material use.

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Air Cooling Coils ASME III, Class 3 2HVR*CLC201A,B,C 2HVR*CLC206A,B 2HVR*CLC265A,B	2BVS-176	Y	American Air Filter Co., Inc.	1974I-W/hA	1) C/C 1644-h (use of A-307 material)	1) Materials manufactured to later edition/addenda of the specified ASME III/III Code may be used provided the N-Certificate Holder for the items being furni- shed reconcile the mate- rial requirements of the later edition/addenda used with the design require- ments of the items being furnished. The signature of the N-Certificate Holder and his authorized nuclear code inspector on the ASME III Data Report signifies their acceptance of the material used.
						12.10
						12.11
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						12.33

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Central Station Air Conditioning Units - ASME III, Class 3 2HVC*ACU201A,B 2HVC*ACU208A,B 2HVC*ACU207A,B 2HVC*CLC219	2BVS-179	Y	Carrier Air	1974i-W/4A	N/A	12.35 12.36 12.37 12.38 12.39 12.40 12.41 12.42 12.44 12.45 12.46 12.47 12.48 12.49 12.51 12.52 12.53 12.54 12.56 12.57 12.58 13.1 13.2

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Self-Contained Air Conditioning Units - ASME III, Class 3 2HVP*ACU301	28VS-192	Y	Ellis &	1977I-S19A	N/A	13.4 13.5 13.6 13.7 13.8 13.9 13.10 13.11 13.12 13.13 13.14 13.15 13.16 13.17 13.18 13.19 13.20 13.21

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Steam Generator Auxiliary Feed Pumps & Drivers - ASME III, Class 3 2FWE*P22 2FWE*P23A,B 2FWE*122	2BVS-208	Y	Bingham- Willamette Co.	1971E-5/3A	H/A	13.23 13.24 13.25 13.26 13.27 13.28 13.29 13.30 13.31 13.32 13.33 13.34 13.35 13.36 13.37 13.38 13.39

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
E/H Actuated Valves - ASME III, Class 2 & 3 2IWE*HCV100A,B,C, D,E,F 2CCP*DCV100-1,-2 2SVS*PCV101A,B,C 2SVS*HCV104	2BVS-209A	Y	Copes Vulcan Co.	1980I-SB1A	N/A	13.41 13.42 13.43 13.44 13.45 13.46 13.47 13.48 13.49 13.50 13.51 13.52 13.54 13.55 13.56 13.57 13.58

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Main Steam Line Trip Valves - ASME III, Class 2 2MSS*HYV101A,B,C	2BVS-211	Y	FSD System Div. of Gulf & Western Mfg. Co.	1974	N/A	14.2 14.3 14.4 14.5 14.6

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TABLE 1

ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Address	Applicable ASME III Code Deviations/Code Cases	Remarks
Service Water Pumps - ASME III, Class 3 2SWS*P21A, B, C	28VS-224	Y	Byron Jackson Div. of Borg Warner Corp.	19711-M/2A	1) C/C N-146-1 (hydro static testing and stamping).	14.8 14.9 14.10 14.11 14.12 14.13 14.14 14.15 14.16 14.17 14.18 14.19 14.20 14.21 14.22

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Main Steam Safety Valves - ASME III, Class 2 2HSS*SV101A,B,C 2HSS*SV102A,B,C 2HSS*SV103A,B,C 2HSS*SV104A,B,C 2HSS*SV105A,B,C	2BVS-225	Y	Crosby Valve & Gage Co.	1971I-S73A	N/A	14.25 14.25 14.26 14.27 14.28 14.29 14.30 14.31

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ASME Component/Part	Spec. No.	Design Spec. {Y/N}	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Emergency Diesel Generator Sets - ASME III, Class 3	2BVS-230	Y	Colt Industries	1974E-S/4A	N/A	1) The specification defines that portion of the com- ponent support structure subject to ASME III, NF requirements.	14.33 14.34 14.35 14.36 14.37

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Stainless Steel Expansion Joints - ASME III, Class 3 2SWS*EJM224A,B,C,D 2SWS*EJM225A,B,C,D 2SWS*EJM237A,B 2SWS*EJM222A,B,C 2CCP*EJM214A,B,C 2FNC*EJM230A,B 2SWS*EJM221A,B	2BVS-240	N	Pathway Bellow, Inc.	1974E-W/5A	N/A	1) These expansion joints are being constructed to the requirements of the specified ASME III edition/ addenda. These items shall be incorporated into the piping systems which are constructed to ASME III, 1971E-W/2A requirements as defined in ASME III Design Specification 2BVS- 939, "Piping Engineering and Design." The specified ASME III edition/addenda requirements have been com- pared to and reconciled with the applicable re- quirements of ASME III, 1971E-W/2A.

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ASME Component/Part	Spec. No.	Design Spec. {Y/N}	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Fuel Oil Transfer Pumps - ASME III, 2EGF*P21A,B,C,D	2BVS-245	Y	Goild Pumps, Inc.	1977/1	H/A	15.1 15.2 15.3

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Electrical Penetrations - ASME III, Class 2 Various	2BVS-317	Y	Westinghouse 1974 Electric Corp.		N/A	15.5 15.6 15.7 15.8

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Cartridge Type Liquid Filters - ASME III, Classes 2 & 3	2BVS-517	Y	Commercial Filter Division	1971I-S73A	R/A	15.10 15.11 15.12 15.13

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Design, Fabrication, & Erection of Intake Structure Piping - ASME III, Class 3	2BVS-556	Y	Schneider Power Corp.	19711-W71A	N/A	1) This specification, to- gether with specification BVS-100 and BVS-359, con- stitute a complete basis for construction of ASME III piping covered by the specification.

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TABLE 1

ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Permit It	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Orifice Plates - ASME III, Classes 2 & 3 Various	2BVS-602	N			1980I-SB1A	N/A	15.23 15.24 15.25 15.26 15.27 15.28 15.29 15.30 15.32 15.33 15.34 15.35 15.37 15.38 15.39 15.40 15.41 15.42 15.43 15.44 15.45 15.46 15.47 15.48 15.49 15.50 15.51 15.52 15.53 15.54

2) these orifice plates are being constructed to the requirements of the specified ASME III edition/addenda. These items shall be incorporated into piping systems which are constructed to ASME III, 1971E-W2A requirements as defined in ASME III Design Specification 2BVS-939, "Piping Engineering and Design." The specified ASME III edition/addenda requirements have been compared to and reconciled with the applicable requirements of ASME III, 1971E-W2A.

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TABLE 1

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
ASME Venturi Tubes 2BVS-606 and Flow Nozzles - ASME III, Classes 2 & 3 2RSS*FE157A, B, C, D 2CCP*FE106A, B, C		N	General Signal	1980F-550A	N/A	<p>1) These venturi tubes and flow nozzles are being constructed to the requirements of the specified ASME III edition/addenda. These items shall be incorporated into piping systems which are constructed to ASME III, 1971F-W72A requirements as defined in ASME III Design Specification 2BVS-939, Piping Engineering and Design. The specified ASME III edition/addenda requirements have been compared to and reconciled with the applicable requirements of ASME III, 1971F-W72A.</p> <p>15.56 15.57 15.58 16.1 16.2 16.3 16.4 16.5 16.6 16.7 16.8 16.9 16.10 16.11 16.12 16.13 16.14 16.15 16.16 16.18 16.19 16.20 16.21 16.22 16.23 16.24 16.25 16.26 16.27 16.28 16.29 16.31 16.32 16.33 16.34</p>

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks	
Cavitating Venturis - ASME III, Class 2 2FWE*FE101AS, BS, CS 2FWE*FE101A, B, C	2BVS-608	N	Permutit	1980I-VR0A	N/A	1) these venturi are being constructed to the requirements of the specified ASME III edition/addenda. These items shall be incorporated into piping systems which are constructed to ASME III, 1971I-M72A requirements as defined in ASME III Design Specification 2BVS-939, Piping Engineering and Design. The specified ASME III edition/addenda requirements have been compared to and reconciled with the applicable requirements of ASME III, 1971I-M72A.	16.36 16.37 16.38 16.39 16.40 16.41 16.42 16.43 16.44 16.45 16.46 16.47 16.48 16.49 16.50 16.51 16.52 16.53
							16.55 16.56 16.57 16.58 17.1 17.2 17.3 17.4 17.5 17.6 17.7 17.8
							17.10 17.11 17.12 17.13

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Air Operated Control Valves - ASME III, Classes 2 & 3	2BVS-651	Y	Masonellian International Inc.	1971E-5/1A	1) ASME II, Part C 1) If the Seller cannot supply material manufactured to the specified ASME III edition/addenda the Seller shall certify the material by adding the following statement on the applicable CDR:	17.15 17.16 17.17 17.18 17.19 17.20 17.21 17.22
					"This material has been evaluated and either meets or exceeds the requirements of ASME III."	17.24 17.25 17.26 17.27
					This statement shall be signed and dated by a responsible representative of the Seller.	17.29 17.30 17.31 17.32

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Pump Recirculating Valves - ASME III Class 3 2FWE*FCV122 2FWE*FCV123A, B	2BVS-653	Y	Yavway Corp.	1977E-S19A	N/A	17.34 17.35 17.36 17.37 17.38 17.39 17.40 17.41 17.43 17.44 17.45 17.46 17.48 17.49 17.50 17.51

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Safety & Relief Valves - ASME III Classes 2 & 3 Various	2BVS-657	Y	Dresser Industrial Valve & Instrument Co.	1974E-S24A	N/A	17.53 17.54 17.55 17.56 17.57 17.58 18.1 18.2 18.4 18.5 18.6 18.7 18.9 18.10 18.11 18.12

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TABLE I

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
BelloWS Sealed Control Valves - ASME III, Classes 2 & 3	28VS-666A	Y	ITT Hammel Dahl/Conn Flow	1974E-576A	N/A	18.14 18.15 18.16 18.17 18.18 18.19 18.20 18.21 18.23 18.24 18.25 18.26 18.28 18.29 18.30 18.31

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Instrument & Manifold Valve Assemblies - ASME III, Classes 2 & 3 Various	2BVS-673	Y	Anderson Greenwood Co., Inc.	1971E-S11A	N/A	18.33 18.34 18.35 18.36 18.37 18.38

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Hermetically Sealed Instrument Valves - ASME III, Classes 2 & 3 Various	2BVS-679	Y	Hoke, Inc.	1977-SP9A	N/A	18.40 18.41 18.42 18.43 18.44 18.45 18.46 18.47 18.49 18.50 18.51 18.52 18.54 18.55 18.56 18.57

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TABLE 1

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks
Solenoid Operated Valves - ASME III, Classes 2 & 3	2BVS-719	Y	Targot Peck Corp.	1980E-5B1A	N/A	19.1 19.2 19.3 19.4 19.5 19.6 19.7 19.8 19.10 19.11 19.12 19.13 19.15 19.16 19.17 19.18

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Instrumentation Flexible Metal Hose Subassemblies ASME III, Classes 2 & 3 2SWS*HOSE21A,B, 22A,B, 26B,C 2CCP*HOSE22A,B,C 2CCP*HOSE23A,24C, 25A,C 2CCP*HOSE23C 2CCP*HOSE23B,25B 2CCP*HOSE26A 001-999	2BVS-756	N	Metal Bellows Corp.	1980E-WB1A	1) C/C N-192-2 (use of braided flexible connectors) 09/16/81	<p>1) These hose subassemblies are being constructed to the requirements of the specified ASME Code. These items shall be in- corporated into the piping systems, which are con- structed to ASME III 1971E- W12A requirements as de- fined in ASME III Design Specification 2BVS-939, "Piping Engineering and Design." The specified ASME III Code requirements have been compared to and reconciled with the appli- cable requirements of ASME III, 1971E-W12A.</p> <p>2) If the Seller cannot supply material manufactured to the specified ASME III Code, the Seller shall certify the material by adding the following statement on the applic- able GHR:</p> <p>"This material has been evaluated and either meets or exceeds the requirements of ASME III."</p> <p>This statement shall be signed and dated by a responsible representative of the Seller.</p>

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ASME Component/Part	Spec. No.	Design Spec. {Y/N}	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks	
Field Fabrication & Erection of Piping - ASME III, Classes 1,2,&3	2BVS-920	Y	Schneider Power Corp.	1971-L-W/PA	1) ASME II, Part C (1974F) for welding rods, elec- trodes, and filler materials.	1) This specification, toge- ther with specifications 2BVS-58, 2BVS-59, and 2BVS-919 constitute a complete basis for con- struction of ASME III piping.	19.58 20.1 20.2 20.3 20.4 20.5 20.6
					2) NB-h620 (1971F- W/3A) for post weld heat treatment.	2) Materials manufactured to later edition, addenda of the speci- fied ASME III Code may be used provided the N-Certificate Holder for the items being furnished reconcile the mate- rial requirements of the later edition, addenda used with the design requirements of the item being furnished. The signature of the N-Certificate Holder and his Authorized Nuclear Inspec- tor on the ASME III Data Report signifies their acceptance of the material use.	20.8 20.9 20.10 20.11 20.13 20.14 20.15 20.16 20.17 20.18 20.20 20.21 20.22 20.23 20.24 20.25
					3) NB/HC/HD Fig. h44/-1 (1980- WB1A) for fillet and socket weld dimensions.		
					4) NB/HC/HD-h435 (1974I-S76A) for welding of temporary and minor permanent attachments.		
					5) NB/HC/HD-h436 (1974-I-S76A) for installa- tion of attach- ments after testing.		20.27 20.28 20.29 20.30 20.31 20.32
					6) C/C N-32-3 (hydrostatic testing of em- bedded Classes 2 & 3 piping).		20.34 20.35 20.36 20.37 20.38
					7) C/C N-32-4 (hydrostatic testing of em- bedded Classes 2 & 3 piping).		20.40 20.41 20.42 20.43 20.44

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TABLE 1

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviation/ Code Cases	Remarks
					8) C/C N-224 (use of A-500 Gr. B & A-501 struc- tural tubing for welded at- tachments to Classes 2 & 3 piping).	20.46 20.47 20.48 20.49 20.50 20.51 20.52 20.53
					9) C/C N-237 (hydrostatic testing of internal piping).	20.55 20.56 20.57 20.58 21.1
					10) C/C N-240 (hydrostatic testing of open ended piping).	21.3 21.4 21.5 21.6 21.7
					11) C/C N-275 (repair of welds).	21.9 21.10 21.11
					12) C/C N-292 (depositing weld metal prior to preparing ends for welding).	21.13 21.14 21.15 21.16 21.17 21.18
					13) ASME IX (1977- S77A) for welding and brazing qualifi- cations on pipe rupture re- straints only.	21.20 21.21 21.22 21.23 21.24 21.25 21.26
					14) ASME XI (1980L-W60A) for rules for in-service in- spection of nuclear power	21.28 21.29 21.30 21.31 21.32 21.33

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
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ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/Code Cases	Remarks	
Installation of Heating & Cooling Systems - ASME III Class 3	28VS-93h	Y	Schneider Power Corp.	1971E-W12A	1) ASME II, Part C 1) (1974E) for welding rods, electrodes, and filler materials.	This specification together with 28VS-58, 28VS-59, and 28VS-93, constitute a complete basis for construction of ASME III heating and cooling system piping.	21.36 21.37 21.38 21.39 21.40 21.41 21.42

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ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Piping Engineering 2BVS-939 & Design - ASME III, Classes 1,2,&3		Y	SWEC	1971E-W/2A	1) ASME XI (1980F-1) WBOA) for rules for in-service inspection of nuclear power plants. 2) C/C 1606-1 (stress criteria, Classes 2&3 piping subject to upset, emergency, and faulted operating conditions). 3) C/C H-122 (stress indices for structural attachments, Class 1). 4) C/C H-224 (use of A-500, and A-501 structural tubing for welded attachments to Classes 2 & 3 piping).	1) This specification, together with specifications 2BVS-58, 2BVS-59, and 2BVS-920, constitute a complete basis for construction of ASME III piping. 2) Materials manufactured to later edition, addenda of the specified ASME III Code may be used provided the N-Certificate Holder for the items being furnished reconcile the material requirements of the later edition, addenda used with the design requirements of the item being furnished. The signature of the N-Certificate Holder and his Authorized Nuclear Inspector on the ASME III Data Report signifies their acceptance of the material use.
						21.44 21.45 21.46 21.47 21.48 21.49 21.50 21.52 21.53 21.54 21.55 21.56 21.57 21.58 22.1 22.2 22.4 22.5 22.6 22.7 22.8 22.9 22.11 22.12 22.13 22.14 22.15 22.16 22.17 22.18 22.19

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ASME Code Baseline Document

ASME Component/Part	Spec. No.	Design Spec. (Y/N)	Vendor	Applicable ASME III Code Edition/Addenda	Applicable ASME III Code Deviations/ Code Cases	Remarks
Installation of Instruments - ASME III, Classes 2 & 3	28VS-977	Y	Schneider Power Corp.	1971L-V12A		22.21 22.22 22.23 22.24

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