REVISION INSERTION INSTRUCTIONS

VEGP-1 PRESERVICE INSPECTION PROGRAM (002)
Revision 1; January 31, 1985

Replace the entire contents of this manual:

Section	Action
Title Page	Replace
Distribution List	Replace
Table of Contents (tab)	Replace
Table of Contents	Replace
Introduction (tab)	Replace
Introduction	Replace
Class 1 (tab)	Replace
Class 1	Replace
Class 2 (tab)	Replace
Class 2	Replace
Class 3 (tab)	Replace
Class 3	Replace
Component Supports (tab)	Replace
Component Supports	Replace
ISI Piping Classification Drawings (tab)	Discard
ISI Piping Classification Drawings	Discard
Line Designation List (tab)	Add
Line Designation List	Add
Acknowledgement Receipt Letter	Read, sign, return
Revision Insertion Instructions	Read and discard

SOUTHERN COMPANY SERVICES

INSPECTION, TESTING, AND

ENGINEERING SECTION

FOR

GEORGIA POWER COMPANY

Rev 1

ISI-P-002

PRESERVICE INSPECTION PROGRAM

VOGTLE ELECTRIC GENERATING PLANT

UNIT 1

REV	DATE	DESCRIPTION	SCS			GPC		
			PREP'D BY	REV'D BY	DEPT MGR	REV'D BY	SUPT PLANT ENG	PLANT MGR
0	4/19/84	Issued for PSI	RLB	ft	JMA	JAC	for KMB	4/3/84
1	1/31/85	General Update	CWL	JMA	T.E.	JAC	CCM	JB 3/13/85

DISTRIBUTION LIST

HOLDER	MANUAL NUMBER
C. W. Dean	1
J. M. Agold	2
	3
J. J. Churchwell	4
	5
J. A. Caudill	6
G. Bockhold, Jr.	7
W. F. Kitchens	8
	9
N. J. Dennen	10
R. T. Oedamer	11
J. A. Bailey	12
J. A. Edwards	13
	14
W. F. Sanders	15
C. E. Bellflower	16
	17
B. R. Quick/Document Control	18
	19

PRESERVICE INSPECTION PROGRAM

VOGTLE ELECTRIC GENERATING PLANT

UNIT 1

Table of Contents

1.0 INTRODUCTION

1.1 General

This document details the scope of preservice inspections for the Vogtle Electric Generating Plant (VEGP) - Unit 1 and includes the following points of interest:

- Schedule of inspections.
- Line designation list.
- Identification of all areas to be examined.
- Preservice inspection scope of work.

The American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Division 1, 1980 Edition through Winter 1980 Addenda is used voluntarily for preservice inspection (PSI). The actual edition applicable to preservice inspection is the 1971 Edition through the Winter 1972 Addenda. It is intended that the same code edition and addenda be applicable both to the preservice and the first interval of inservice inspections. Therefore, the contents of this document are subject to change (with approval) during preservice inspection. Additionally, inspection program B will be used as defined by IWA-2400, ASME Code, Section XI.

1.2 Scope

This document is a description of the preservice inspection program for Class 1, 2, and 3 components.

1.3 Component Upgrading

Plant components have been reviewed to determine the appropriate classification for examination. It must be noted, however, that the classification of components as ISI Class 1, 2, or 3 for inservice inspection does not imply that the components were designed or constructed in accordance with the same classification requirements. The component design codes remain as stated in the VEGP Final Safety Analysis Report (FSAR).

1.4 Responsibility

Georgia Power Company (GPC) bears the overall responsibility for the performance of the preservice inspections. Certain nondestructive examinations may be performed by a qualified

inspection agency. The results of such examinations will be reported to GPC for final evaluation and disposition.1.5

Records

Records and documentation of all information and inspection results, which provide the basis for evaluation and which facilitate comparison with results from subsequent inspections, will be available for the active life of the plant.

1.6 Methods of Examination

The method of examination planned for each area is delineated in subsequent sections. Personnel performing nondestructive examinations will be qualified in accordance with the ASME Code.

1.6.1 Eddy Current

Eddy current (ET) examinations shall be performed on the steam generator tubing as applicable.

1.6.2 Liquid Penetrant

Dye penetrant (PT) examinations shall be performed whenever a surface examination is required on nonmagnetic components.

1.6.3 Magnetic Particle

Magnetic particle (MT) examinations will normally be used when surface examination of carbon steel components is required.

1.6.4 Radiographic

Radiographic (RT) techniques may be used as an alternative method to ultrasonic examinations.

1.6.5 Ultrasonic

Ultrasonic (UT) examinations shall be conducted in accordance with the provisions of Appendix III of Section XI, ASME Code, for carbon steel and stainless steel piping and Section V, ASME Code, for other UT examinations to the extent practical. The reactor vessel will be examined to the requirements of Regulatory Guide 1.150, Rev. 1 to the extent practical.

1.6.6 Visual Tests

A visual (VT) examination will be employed to provide evidence of leakage or to provide a report of the general condition of the component.

A. The VT-1 examination shall be performed to determine corrosion, erosion, wear, cracks, or physical damage of the part, component, or surface being inspected.

B. The VT-2 examination shall be performed to determine and locate leakages from pressure retaining components or excessive leakage from components without leakage collection systems.

C. The VT-3 examination shall be performed to determine the structural, general, and physical conditions of components or their supports.

D. The VT-4 examination shall be performed to determine the operability of support components and their mechanical or hydraulic devices.

1.7 Evaluation of Examination Results

Examination results are evaluated per IWA-3000, IWB-3000, and IWF-3000 of the ASME Code, Section XI. Articles IWC-3000 and IWD-3000 entitled "Evaluation of Examination Results" are in the course of preparation and, as yet, are not available for use. Therefore, the rules of IWB-3000 may be utilized for ISI Class 2 and 3 components.

1.8 Repair Procedures

Repair procedures will be developed as required.

1.9 Augmented Inspections

The Nuclear Regulatory Commission (NRC) has required certain augmented inspections as added assurance of structural reliability. The areas of interest and the examinations to be performed are as follows:

1.9.1 The reactor coolant pump flywheel shall be examined in accordance with Regulatory Guide 1.14, Rev. 1. (See item 45 under Class 1 components.)

1.9.2 The steam generator tubing shall be examined in accordance with Standard Technical Specifications NUREG-0452, Rev. 4 and Regulatory Guide 1.83, Rev. 1. This examination will

consist of the full length of all tubes to the extent practical. (See item 61 under Class 1 components.)

1.9.3 Certain portions of the ISI Class 2 piping, which penetrate containment, are designated as high energy lines. These examinations consist of the large diameter main steam and feedwater welds extending from the containment penetration to the first rigid restraint. (See item 12 under Class 2 components.) Areas designated for augmented examinations are noted on the ISI classification drawings which are submitted with this manual.

1.10 Reactor Coolant Loop Piping Examination

The reactor coolant loop piping will be examined by both surface and volumetric methods. The calibration block for the ultrasonic (UT) examination will be fabricated using the guidance of ASME Section XI and Section V and will contain appropriate side-drilled holes and notches.

Presently the primary method of UT examination will be a state-of-the-art technique utilizing a pitch-catch refracted longitudinal wave method with low frequency transducers focused at the ID of the pipe. The Electric Power Research Institute is currently performing research to improve the UT examination techniques for the centrifugally cast stainless steel piping. Techniques which are developed prior to the start of examinations will be evaluated for their use at Plant Vogtle.

1.11 Limitations of Examinations

The preservice inspection program outlined in the following tabulations has been developed as a result of a design review. Any limitations to examinations found during the conduct of the preservice inspection will be documented in the final report. The tabulations address ASME Code, Section XI requirements, some of which are not applicable to VEGP. Those code items which address welds or components which do not exist at VEGP are not given a program item number and under the comments column the following designation appears: N/A to VEGP.

2.0 CLASS 1 SYSTEMS AND COMPONENTS

2.1 Purpose

The purpose of this section is to define a baseline inspection program for Class 1 systems and components to meet the intent of Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition through Winter 1980 Addenda.

2.2 Inspection Schedule

As much as practicable, Class 1 systems and components, other than the steam generator tubes, shall be examined prior to the cold hydro. All items still outstanding, including the steam generator tubes, shall be examined following the cold hydro but prior to commercial operation.

2.3 Inspection Scope

Areas subject to preservice inspection are shown in the following tables by examination category. The preservice inspection scope of work tables list the anticipated percentage of Class 1 welds and components that are to be examined, to the extent practicable, per IWB-2000. In addition, these tables describe the exemptions applicable to each program item number.

Program Item	Section XI Category	Class 1 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
1	B-A	B1.11	UT	None	100	
2	B-A	B1.12	UT	None	100	
3	B-A	B1.21	UT	None	100	
4	B-A	B1.22	UT	None	100	
5	B-A	B1.30	UT	None	100	
6	B-A	B1.40	UT, PT/MT	None	100	
7	B-B	B2.11	UT	None	100	
8	B-B	B2.12	UT	None	100	
9	B-B	B2.40	UT	None	100	
10	B-D	B3.90	UT	None	100	
11	B-D	B3.100	UT	None	100	
12	B-D	B3.110	UT	None	100	
13	B-D	B3.120	UT	None	100	
14	B-D	B3.140	UT	None	100	

Program Item	Section XI Category	Class 1 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
15	B-E	B4.11	N/A	None	N/A	N/A to PSI[3].
16	B-E	B4.12	N/A	None	N/A	N/A to PSI[3].
17	B-E	B4.13	N/A	None	N/A	N/A to PSI[3].
18	B-E	B4.20	N/A	None	N/A	N/A to PSI[3].
19	B-F	B5.10	UT, PT/MT	None	100	
20	B-F	B5.20	UT, PT/MT	None	100	
21	B-F	B5.30	UT, PT/MT	None	100	
22	B-G-1	B6.10	PT/MT	None	100	
23	B-G-1	B6.20	N/A	None	N/A	Closure studs will be removed for PSI.
24	B-G-1	B6.30	UT, PT/MT	None	100	
25	B-G-1	B6.40	UT	None	100	
26	B-G-1	B6.50	VT-1	None	100	

Program Item	Section XI Category	Class 1 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
27	B-G-1	B6.180	UT	None	100	
28	B-G-1	B6.190	VT-1	None	100	
29	B-G-1	B6.200	VT-1	None	100	
30	B-G-2	B7.20	VT-1	None	100	
31	B-G-2	B7.30	VT-1	None	100	
32	B-G-2	B7.50	VT-1	None	100	
33	B-G-2	B7.60	VT-1	None	100	
34	B-G-2	B7.70	VT-1	None	100	
35	B-G-2	B7.80	VT-1	None	100	
36	B-H	B8.20	PT/MT	None	100	
37	B-J	B9.11	UT, PT/MT	None	100	
38	B-J	B9.21	PT/MT	IWB-1220(b)	100	
39	B-J	B9.31	UT, PT/MT	None	100	

Program Item	Section XI Category	Class 1 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
40	B-J	B9.32	PT/MT	IWB-1220(b)	100	
41	B-J	B9.40	PT/MT	IWB-1220(b)	100	
42	B-K-1	B10.10	PT/MT	None	100	
43	B-L-2	B12.20	VT-3	None	100	
44	B-M-2	B12.40	VT-3	None	100	
45	--	--	AUT APT	None	100	For the reactor coolant pump flywheels, the base material will be examined with UT and the keyways will be examined with PT.
46	B-N-1	B13.10	VT-3	None	100	Includes all accessible areas.
47	B-N-3	B13.30	VT-3	None	100	Includes all accessible welds and surfaces.
48	B-O	B14.10	UT or PT	None	100	This applies only to the peripheral control rod drives.
49	B-P	B15.10	N/A	None	N/A	N/A to PSI[6].
50	B-P	B15.11	N/A	None	N/A	N/A to PSI[6].

Program Item	Section XI Category	Class 1 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
51	B-P	B15.20	N/A	None	N/A	N/A to PSI[6].
52	B-P	B15.21	N/A	None	N/A	N/A to PSI[6].
53	B-P	B15.30	N/A	None	N/A	N/A to PSI[6].
54	B-P	B15.31	N/A	None	N/A	N/A to PSI[6].
55	B-P	B15.50	N/A	None	N/A	N/A to PSI[6].
56	B-P	B15.51	N/A	None	N/A	N/A to PSI[6].
57	B-P	B15.60	N/A	None	N/A	N/A to PSI[6].
58	B-P	B15.61	N/A	None	N/A	N/A to PSI[6].
59	B-P	B15.70	N/A	None	N/A	N/A to PSI[6].
60	B-P	B15.71	N/A	None	N/A	N/A to PSI[6].
61	B-Q	B16.20	ET	None	100	

B-A, PRESSURE RETAINING WELDS IN REACTOR VESSEL[1]

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
N/A	B1.10	Shell Welds						
1	B1.11	Circumferential	IWB-2500-1	UT				
2	B1.12	Longitudinal	IWB-2500-2	UT				
N/A	B1.20	Head Welds						
3	B1.21	Circumferential	IWB-2500-3	UT				
4	B1.22	Meridional	IWB-2500-3	UT				
5	B1.30	Shell-to-Flange Weld	IWB-2500-4	UT				
6	B1.40	Head-to-Flange Weld	IWB-2500-5	UT	PT/MT			
N/A	B1.50	Repair Welds		N/A	N/A	N/A		N/A to VEGP.
N/A	B1.51	Beltline Region	IWB-2500-1,2	N/A	N/A	N/A		N/A to VEGP.

B-B, PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSELS

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Pressurizer						
N/A	B2.10	Shell-to-Head Welds						
7	B2.11	Circumferential	IWB-2500-1	UT				
8	B2.12	Longitudinal	IWB-2500-2	UT				
N/A	B2.20	Head Welds						
N/A	B2.21	Circumferential	IWB-2500-3	N/A	N/A	N/A		N/A to VEGP.
N/A	B2.22	Meridional	IWB-2500-3	N/A	N/A	N/A		N/A to VEGP.
		Steam Generators (Primary Side)						
N/A	B2.30	Head Welds						
N/A	B2.31	Circumferential	IWB-2500-3	N/A	N/A	N/A		N/A to VEGP.
N/A	B2.32	Meridional	IWB-2500-3	N/A	N/A	N/A		N/A to VEGP.
9	B2.40	Tubesheet-to-Head Weld	IWB-2500-6	UT				
		Heat Exchangers (Primary Side)						
N/A	B2.50	Shell (or Head) Welds						
N/A	B2.51	Circumferential	IWB-2500-1,3	N/A	N/A	N/A		N/A to VEGP.
N/A	B2.52	Longitudinal (or Meridional)	IWB-2500-2,3	N/A	N/A	N/A		N/A to VEGP.
N/A	B2.60	Tubesheet-to-Shell (or Head) Welds	IWB-2500-6	N/A	N/A	N/A		N/A to VEGP.

B-D, FULL PENETRATION WELDS OF NOZZLES IN VESSELS - INSPECTION PROGRAM B

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
		Reactor Vessel						
10	B3.90	Nozzle-to-Vessel Welds	IWB-2500-7[2]		UT			
11	B3.100	Nozzle Inside Radius Section	IWB-2500-7[2]		UT			
		Pressurizer						
12	B3.110	Nozzle-to-Vessel Welds	IWB-2500-7[2]		UT			
13	B3.120	Nozzle Inside Radius Section	IWB-2500-7[2]		UT			
		Steam Generators (Primary Side)						
N/A	B3.130	Nozzle-to-Vessel Welds	IWB-2500-7	N/A	N/A	N/A		N/A to VEGP.
14	B3.140	Nozzle Inside Radius Section	IWB-2500-7	UT				
		Heat Exchangers (Primary Side						
N/A	B3.150	Nozzle-to-Vessel Welds	IWB-2500-7	N/A	N/A	N/A		N/A to VEGP.
N/A	B3.160	Nozzle Inside Radius Section	IWB-2500-7	N/A	N/A	N/A		N/A to VEGP.

B-E, PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
N/A	B4.10	Partial Penetration Welds						
15	B4.11	Vessel Nozzles	External			N/A		N/A to PSI[3].
16	B4.12	Control Rod Drive Nozzles	Surfaces			N/A		N/A to PSI[3].
17	B4.13	Instrumentation Nozzles	External Surfaces			N/A		N/A to PSI[3].
		Pressurizer						
18	B4.20	Heater Penetration Welds	External Surfaces			N/A		N/A to PSI[3].

B-F, PRESSURE RETAINING DISSIMILAR METAL WELDS

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Reactor Vessel						
19	B5.10	Nominal Pipe Size ≥ 4 in. Nozzle-to-Safe End Butt Welds	IWB-2500-8	UT	PT/MT			
N/A	B5.11	Nominal Pipe Size < 4 in. Nozzle-to-Safe End Butt Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B5.12	Nozzle-to-Safe End Socket Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
		Pressurizer						
20	B5.20	Nominal Pipe Size ≥ 4 in. Nozzle-to-Safe End Butt Welds	IWB-2500-8	UT	PT/MT			
N/A	B5.21	Nominal Pipe Size < 4 in. Nozzle-to-Safe End Butt Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B5.22	Nozzle-to-Safe End Socket Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.

B-F, CONTINUED

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Steam Generator						
21	B5.30	Nominal Pipe Size > 4 in. Nozzle-to-Safe End Butt Welds	IWB-2500-8	UT	PT/MT			
N/A	B5.31	Nominal Pipe Size < 4 in. Nozzle-to-Safe End Butt Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B5.32	Nozzle-to-Safe End Socket Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
		Heat Exchangers						
N/A	B5.40	Nominal Pipe Size > 4 in. Nozzle-to-Safe End Butt Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B5.41	Nominal Pipe Size < 4 in. Nozzle-to-Safe-End Butt Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B5.42	Nozzle-to-Safe End Socket Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.

B-F, CONTINUED

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
		Piping						
N/A	B5.50	Nominal Pipe Size $\geq$ 4 in. Dissimilar Metal Butt Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B5.51	Nominal Pipe Size < 4 in. Dissimilar Metal Socket Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B5.52	Dissimilar Metal Socket Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.

B-G-1, PRESSURE-RETAINING BOLTING, GREATER THAN 2 INCHES IN DIAMETER

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Reactor Vessel						
22	B6.10	Closure Head Nuts	Later		PT/MT			
23	B6.20	Closure Studs (in place)	IWB-2500-12	UT				Perform 23 or 24.
24	B6.30	Closure Studs (removed)	IWB-2500-12	UT	PT/MT			Perform 23 or 24.
25	B6.40	Threads in Flange	IWB-2500-12	UT				
26	B6.50	Closure Washers, Bushings	Surfaces			VT-1		
		Pressurizer						
N/A	B6.60	Bolts and Studs	IWB-2500-12	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.70	Flange Surface (when connection disassembled)	Surfaces	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.80	Nuts, Bushings, and Washers	Surfaces	N/A	N/A	N/A		N/A to VEGP.
		Steam Generators						
N/A	B6.90	Bolts and Studs	IWB-2500-12	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.100	Flange Surface (when connection disassembled)	Surfaces	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.110	Nuts, Bushings, and Washers	Surfaces	N/A	N/A	N/A		N/A to VEGP.

B-G-1, CONTINUED

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Heat Exchangers						
N/A	B6.120	Bolts and Studs	IWB-2500-12	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.130	Flange Surface (when connection disassembled)	Surfaces	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.140	Nuts, Bushings, and Washers	Surfaces	N/A	N/A	N/A		N/A to VEGP.
		Piping						
N/A	B6.150	Bolts and Studs	IWB-2500-12	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.160	Flange Surface (when connection disassembled)	Surfaces	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.170	Nuts, Bushings, and Washers	Surfaces	N/A	N/A	N/A		N/A to VEGP.
		Pumps						
27	B6.180	Bolts and Studs	IWB-2500-12	UT				
28	B6.190	Flange Surface (when connection disassembled)	Surfaces			VT-1		
29	B6.200	Nuts, Bushings, and Washers	Surfaces			VT-1		

B-G-1, CONTINUED

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
		Valves						
N/A	B6.210	Bolts and Studs	IWB-2500-12	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.220	Flange Surface (when connection disassembled)	Surfaces	N/A	N/A	N/A		N/A to VEGP.
N/A	B6.230	Nuts, Bushings, and Washers	Surfaces	N/A	N/A	N/A		N/A to VEGP.

B-G-2, PRESSURE RETAINING BOLTING, 2 INCHES AND LESS IN DIAMETER

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
N/A	B7.10	Reactor Vessel Bolts, Studs, and Nuts	Surface	N/A	N/A	N/A		N/A to VEGP.
30	B7.20	Pressurizer Bolts, Studs, and Nuts	Surface			VT-1		
31	B7.30	Steam Generators Bolts, Studs, and Nuts	Surface			VT-1		
N/A	B7.40	Heat Exchangers Bolts, Studs, and Nuts	Surface	N/A	N/A	N/A		N/A to VEGP.
32	B7.50	Piping Bolts, Studs, and Nuts	Surface			VT-1		
33	B7.60	Pumps Bolts, Studs, and Nuts	Surface			VT-1		
34	B7.70	Valves Bolts, Studs, and Nuts	Surface			VT-1		
35	B7.80	CRD Housings Bolts, Studs, and Nuts	Surface			VT-1		

B-H, INTEGRAL ATTACHMENTS FOR VESSELS

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
N/A	B8.10	Reactor Vessel Integrally Welded Attachments	IWB-2500-13, 14, and 15	N/A	N/A	N/A		N/A to VEGP.
36	B8.20	Pressurizer Integrally Welded Attachments	IWB-2500-13 and 15		PT/MT			
N/A	B8.30	Steam Generator Integrally Welded Attachments	IWB-2500-13, 14, and 15	N/A	N/A	N/A		N/A to VEGP.
N/A	B8.40	Heat Exchangers Integrally Welded Attachments	IWB-2500-13, 14, and 15	N/A	N/A	N/A		N/A to VEGP.

B-J, PRESSURE RETAINING WELDS IN PIPING

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
N/A	B9.10	Nominal Pipe Size $\geq$ 4 in.						
37	B9.11	Circumferential Welds	IWB-2500-8	UT	PT/MT			
N/A	B9.12	Longitudinal Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B9.20	Nominal Pipe Size $<$ 4 in.						
38	B9.21	Circumferential Welds	IWB-2500-8		PT/MT			
N/A	B9.22	Longitudinal Welds	IWB-2500-8	N/A	N/A	N/A		N/A to VEGP.
N/A	B9.30	Branch Pipe Connection Welds						
39	B9.31	Nominal Pipe Size $\geq$ 4 in.	IWB-2500-9, 10 and 11	UT	PT/MT			
40	B9.32	Nominal Pipe Size $<$ 4 in.	IWB-2500-9, 10, and 11		PT/MT			
41	B9.40	Socket Welds	IWB-2500-8		PT/MT			

B-K-1, INTEGRAL ATTACHMENTS FOR PIPING, PUMPS, AND VALVES[4]

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
		Piping						
42	B10.10	Integrally Welded Attachments	IWB-2500-15		PT/MT			
		Pumps						
N/A	B10.20	Integrally Welded Attachments	IWB-2500-13, 14, and 15	N/A	N/A	N/A		N/A to VEGP.
		Valves						
N/A	B10.30	Integrally Welded Attachments	IWB-2500-13, 14, and 15	N/A	N/A	N/A		N/A to VEGP.

B-L-1, B-M-1, PRESSURE RETAINING WELDS IN PUMP CASINGS AND VALVE BODIES
B-L-2, B-M-2, PUMP CASINGS AND VALVE BODIES

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Pumps						
N/A	B12.10	Pump Casing Welds	IWB-2500-16	N/A	N/A	N/A		N/A to VEGP.
43	B12.20	Pump Casing Internal Surfaces				VT-3		
N/A	B12.30	Valves, Nominal Pipe Size < 4 in. Valve Body Welds	IWB-2500-17	N/A	N/A	N/A		N/A to VEGP.
N/A	B12.31	Valves, Nominal Pipe Size ≥ 4 in. Valve Body Welds	IWB-2500-17	N/A	N/A	N/A		N/A to VEGP.
44	B12.40	Valve Body > 4 in. Nominal Pipe Size	Internal Surfaces			VT-3		
45	N/A	Reactor Coolant Pump Flywheel	Volume	AUT	N/A	N/A		See subsection 1.9.1 in introduction[5].
			Keyways	N/A	APT	N/A		

B-N-1, INTERIOR OF REACTOR VESSEL
B-N-2, INTEGRALLY WELDED CORE SUPPORT STRUCTURES AND INTERIOR ATTACHMENTS TO REACTOR VESSELS
B-N-3, REMOVEABLE CORE SUPPORT STRUCTURES

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Reactor Vessel						
46	B13.10	Vessel Interior	Accessible Areas			VT-3		
		Reactor Vessel (BWR)						
N/A	B13.20	Interior Attachments	Accessible Welds	N/A	N/A	N/A		N/A to VEGP.
N/A	B13.21	Core Support Structure	Accessible Surfaces	N/A	N/A	N/A		N/A to VEGP.
		Reactor Vessel (PWR)						
47	B13.30	Core Support Structure	Accessible Welds			VT-3		
			Accessible Surfaces			VT-3		

B-O, PRESSURE RETAINING WELDS IN CONTROL ROD HOUSING

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Reactor Vessel						
48	B14.10	Welds in CRD Housing	IWB-2500-18	UT or	PT/MT			See figure IWB-2500-18 for appropriate examination methods.

B-P, ALL PRESSURE RETAINING COMPONENTS

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Reactor Vessel						
49	B15.10	Pressure Retaining Boundary	System Leakage Test IWB-5221			N/A		N/A to PSI[6].
50	B15.11	Pressure Retaining Boundary	System Hydrotest IWB-5222			N/A		N/A to PSI[6].
		Pressurizer						
51	B15.20	Pressure Retaining Boundary	System Leakage Test IWB-5221			N/A		N/A to PSI[6].
52	B15.21	Pressure Retaining Boundary	System Hydrotest IWB-5222			N/A		N/A to PSI[6].
		Steam Generators						
53	B15.30	Pressure Retaining Boundary	System Leakage Test IWB-5221			N/A		N/A to PSI[6].
54	B15.31	Pressure Retaining Boundary	System Hydrotest IWB-5222			N/A		N/A to PSI[6].
		Heat Exchangers						
N/A	B15.40	Pressure Retaining Boundary	System Leakage Test IWB-5221	N/A	N/A	N/A		N/A to VEGP.
N/A	B15.41	Pressure Retaining Boundary	System Hydrotest IWB-5222	N/A	N/A	N/A		N/A to VEGP.

B-P, CONTINUED

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Piping						
55	B15.50	Pressure Retaining Boundary	System Leakage Test IWB-5221			N/A		N/A to PSI[6].
56	B15.51	Pressure Retaining Boundary	System Hydrotest IWB-5222			N/A		N/A to PSI[6].
		Pumps						
57	B15.60	Pressure Retaining Boundary	System Leakage Test IWB-5221			N/A		N/A to PSI[6].
58	B15.61	Pressure Retaining Boundary	System Hydrotest IWB-5222			N/A		N/A to PSI[6].
		Valves						
59	B15.70	Pressure Retaining Boundary	System Leakage Test IWB-5221			N/A		N/A to PSI[6].
60	B15.71	Pressure Retaining Boundary	System Hydrotest IWB-5222			N/A		N/A to PSI[6].

B-Q, STEAM GENERATOR TUBING

Program Item	IWB-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
N/A	B16.10	Steam Generator Tubing in Straight Tube Design	Entire length of tubing	N/A	N/A	N/A		N/A to VEGP.
61	B16.20	Steam Generator Tubing in U-Tube Design	Entire length of each tube	ET				See subsection 1.9.2 in Introduction.

NOTES - IWB TABLES

1. To the extent practical, examinations will be performed in accordance with Regulatory Guide 1.150, Revision 1.

2. The examination volumes shall apply to the applicable figure shown in figures IWB-2500-7(a) through (d).

3. See IWA-5215: A preservice system hydrostatic test is not required for ASME Code, Section XI.

4. Includes those attachments whose base material design thickness is 5/8 inches and greater.

5. The augmented ultrasonic examination and the augmented dye penetrant examination are abbreviated AUT and APT, respectively.

6. ASME Code, Section III hydro is performed in lieu of Section XI system leakage test IWB-5221 and system hydrostatic test IWB-5222.

3.0 CLASS 2 SYSTEMS AND COMPONENTS

3.1 Purpose

The purpose of this section is to define a baseline inspection program for Class 2 systems and components to meet the intent of Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition through the Winter 1980 Addenda. Welds in the residual heat removal and the emergency core cooling systems will be selected according to the 1974 Edition through Summer 1975 Addenda of the Code as required by 10CFR 50.55a.

3.2 Inspection Schedule

As much as practicable, Class 2 systems and components shall be examined prior to the cold hydro. All items still outstanding shall be examined following the cold hydro but prior to commercial operation.

3.3 Inspection Scope

Areas subject to preservice inspection are shown in the following tables by examination category. The preservice inspection scope of work tables list the anticipated percentage of Class 2 welds and components that are to be examined, to the extent practical, per IWC-2000. In addition, these tables describe the exemptions applicable to each program item number.

VOGTLE ELECTRIC GENERATING PLANT UNIT NO. 1
PRESERVICE INSPECTION SCOPE OF WORK

002 REV 1

Program Item	Section XI Category	Class 2 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
1	C-A	C1.10	UT	IWC-1220(c)	100	See notes 6 and 7.
2	C-A	C1.30	UT	IWC-1220(c)	100	See notes 6 and 7.
3	C-B	C2.10	PT/MT	IWC-1220(c)	100	See notes 6 and 7.
4	C-B	C2.21	UT, PT/MT	IWC-1220(c)	100	See notes 6 and 7.
5	C-B	C2.22	UT	IWC-1220(c)	100	See note 6.
6	C-C	C3.10	PT/MT	IWC-1220(c)	100	See note 6.
7	C-C	C3.40	PT/MT	IWC-1220(c)	100	
8	C-C	C3.70	PT/MT	IWC-1220(c)	100	
9	C-F	C5.11	PT/MT	IWC-1220(c)	25	For all piping except for RHR and ECCS, the preservice requirements of the 1980 Edition with Addenda through Winter 1980 for Category C-F will be met. For RHR and ECCS piping, the preservice requirements of the 1974 Edition with Addenda through Summer 1975 for Categories C-F and C-G will be met.

Program Item	Section XI Category	Class 2 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
10	C-F	C5.21	UT, PT/MT	IWC-1220(c)	25	For all piping except RHR and ECCS, the preservice requirements of the 1980 Edition with Addenda through Winter 1980 for Category C-F will be met. For RHR and ECCS piping, the preservice requirements of the 1974 Edition with Addenda through Summer 1975 for Categories C-F and C-G will be met.
11	C-F	C5.31	PT/MT	IWC-1220(c)	25	For all piping except RHR and ECCS, the preservice requirements of the 1980 Edition with Addenda through Winter 1980 for Category C-F will be met. For RHR and ECCS piping, the preservice requirements of the 1974 Edition with Addenda through Summer 1975 for Categories C-F and C-G will be met.
12	--	--	AUT	N/A	100	See subsection 1.9.3 in the Introduction[3].
13	C-G	C6.10	N/A	None	100	
14	C-H	C7.10	N/A	None	N/A	N/A to PSI[5].
15	C-H	C7.11	N/A	None	N/A	N/A to PSI[4,5].

Program Item	Section XI Category	Class 2 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
16	C-H	C7.20	N/A	None	N/A	N/A to PSI[5].
17	C-H	C7.21	N/A	None	N/A	N/A to PSI[4,5].
18	C-H	C7.30	N/A	None	N/A	N/A to PSI[5].
19	C-H	C7.31	N/A	None	N/A	N/A to PSI[4,5].
20	C-H	C7.40	N/A	None	N/A	N/A to PSI[5].
21	C-H	C7.41	N/A	None	N/A	N/A to PSI[4,5].

C-A, PRESSURE RETAINING WELDS IN PRESSURE VESSELS

Program Item	IWC-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
1	C1.10	Shell Circumferential Welds	IWC-2500-1	UT				
N/A	C1.20	Head Circumferential Welds	IWC-2500-1	N/A	N/A	N/A		N/A to VEGP.
2	C1.30	Tubesheet-to-Shell Weld	IWC-2500-2	UT				

C-B, PRESSURE RETAINING NOZZLE WELDS IN VESSELS

Program Item	IWC-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
3	C2.10	Nozzles in Vessels ≤ 1/2 in. nominal thickness	IWC-2500-3		PT/MT			
N/A	C2.20	Nozz es in Vessels > 1/2 in. nominal thickness						
4	C2.21	Nozzle-to-Shell (or Head) Weld	IWC-2500-4	UT	PT/MT			
5	C2.22	Nozzle Inside Radius Section	IWC-2500-4	UT				

C-C, INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, AND VALVES

Program Item	IWC-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
		Pressure Vessels						
6	C3.10	Integrally Welded Attachments[1]	IWC-2500-5		PT/MT			
		Piping						
7	C3.40	Integrally Welded Attachments[1]	IWC-2500-5		PT/MT			
		Pumps						
8	C3.70	Integrally Welded Attachments[1]	IWC-2500-5		PT/MT			
		Valves						
N/A	C3.100	Integrally Welded Attachments[1]	IWC-2500-5	N/A	N/A	N/A		N/A to VEGP.

C-D, PRESSURE RETAINING BOLTING, GREATER THAN 2 INCHES IN DIAMETER

Program Item	IWC-2500-1 Item	Component Parts Examined	Examination Requirements, Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
		Pressure Vessels						
N/A	C4.10	Bolts and Studs	IWC-2500-6	N/A	N/A	N/A		N/A to VEGP.
		Piping						
N/A	C4.20	Bolts and Studs	IWC-2500-6	N/A	N/A	N/A		N/A to VEGP.
		Pumps						
N/A	C4.30	Bolts and Studs	IWC-2500-6	N/A	N/A	N/A		N/A to VEGP.
		Valves						
N/A	C4.40	Bolts and Studs	IWC-2500-6	N/A	N/A	N/A		N/A to VEGP.

C-F, PRESSURE RETAINING WELDS IN PIPING

Program Item	IWC-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
N/A	C5.10	Piping Welds - ≤ 1/2 in. nominal wall thickness						
9	C5.11	Circumferential Weld[2]	IWC-2500-7		PT/MT			
N/A	C5.12	Longitudinal Weld	IWC-2500-7	N/A	N/A	N/A		N/A to VEGP.
N/A	C5.20	Piping Welds - > 1/2 in. nominal wall thickness						
10	C5.21	Circumferential Weld[2]	IWC-2500-7	UT	PT/MT			
N/A	C5.22	Longitudinal Weld	IWC-2500-7	N/A	N/A	N/A		N/A to VEGP.
N/A	C5.30	Pipe Branch Connections						
11	C5.31	Circumferential Weld[2]	IWC-2500-9		PT/MT			
N/A	C5.32	Longitudinal Weld	IWC-2500-7	N/A	N/A	N/A		N/A to VEGP.
12	N/A	Augmented		AUT	N/A	N/A		See subsection 1.9.3 in Introduction[3].

C-G, PRESSURE RETAINING WELDS IN PUMPS AND VALVES

Program Item	IWC-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
		Pumps						
13	C6.10	Pump Casing Welds	IWC-2500-8		PT/MT			
		Valves						
N/A	C6.20	Valve Body Welds	IWC-2500-8	N/A	N/A	N/A		N/A to VEGP.

C-H, ALL PRESSURE RETAINING COMPONENTS

Program Item	IWC-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
		Pressure Vessels						
14	C7.10	Pressure Retaining Components	IWC-5221 Test			N/A		N/A to PSI[5].
15	C7.11	Pressure Retaining Components	IWC-5222 Test			N/A		N/A to PSI[4,5].
		Piping						
16	C7.20	Pressure Retaining Components	IWC-5221 Test			N/A		N/A to PSI[5].
17	C7.21	Pressure Retaining Components	IWC-5222 Test			N/A		N/A to PSI[4,5].
		Pumps						
18	C7.30	Pressure Retaining Components	IWC-5221 Test			N/A		N/A to PSI[5].
19	C7.31	Pressure Retaining Components	IWC-5222 Test			N/A		N/A to PSI[4,5].
		Valves						
20	C7.40	Pressure Retaining Components	IWC-5221 Test			N/A		N/A to PSI[5].
21	C7.41	Pressure Retaining Components	IWC-5222 Test			N/A		N/A to PSI[4,5].

NOTES - IWC TABLES

1. Limited to integrally welded attachments whose base material design thickness is 3/4 in. or greater.

2. The welds selected for examination shall include:

   a. All welds at locations where the stresses under the loadings resulting from normal and upset plant conditions as calculated by the sum of equations 9 and 10 in NC-3652 exceed 0.8 ($1.2\ S_h + S_A$).

   b. All welds at terminal ends (see e below) of piping or branch runs.

   c. All dissimilar metal welds.

   d. Additional welds, at structural discontinuities (see f below), such that the total number of welds selected for examination includes the following percentages of circumferential piping welds:

      For pressurized water reactors:

      1. none of the welds exempted by IWC-1220;

      2. none of the welds in residual heat removal and emergency core cooling systems (see g below);

      3. 10 percent of the main steam system welds 8 in. nominal pipe size and smaller;

      4. 25 percent of the welds in all other systems.

   e. Terminal ends are the extremities of piping runs that connect to structures, components (such as vessels, pumps, valves), or pipe anchors, each of which act as rigid restraints or provide at least 2° of restraint to piping thermal expansion.

   f. Structural discontinuities include pipe weld joints to vessel nozzles, valve bodies, pump casings, pipe fittings (such as elbows, tees, reducers, flanges, etc. conforming to ANSI B16.9), and pipe branch connections and fittings.

   g. Examination requirements are under development by the ASME code. The extent of examination for these systems shall be determined by the requirements of paragraph IWC-1220, Table IWC-2520 categories C-F and C-G, and paragraph IWC-2411 in the ASME Code, Section XI, 1974 Edition through Summer 1975 Addenda. Alternatively,

when the examination requirements are developed by the ASME Code and approved to be used by the NRC, the extent of examination may be determined from such newly developed requirements.

3. The augmented ultrasonic examination is abbreviated AUT.

4. See IWA-5215: A preservice system hydrostatic test is not required for ASME Code, Section XI.

5. ASME Code, Section III hydro is performed in lieu of Section XI system leakage test IWC-5221 and system hydrostatic test IWC-5222.

6. In the case of multiple vessels of similar design, size, and service (such as steam generators, heat exchangers, or etc.) the required examinations will be limited to either one vessel or distributed among the vessels.

7. This applies only to those welds at gross structural discontinuities.

4.0 CLASS 3 SYSTEMS AND COMPONENTS

4.1 Purpose

The purpose of this section is to define a baseline inspection program for Class 3 systems and components to meet the intent of Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition through Winter 1980 Addenda.

4.2 Inspection Schedule

As much as practicable, Class 3 systems and components shall be examined prior to the cold hydro; items still outstanding shall be examined following the cold hydro but prior to commercial operation.

4.3 Inspection Scope

Areas subject to preservice inspection are shown in the following tables by examination category. The preservice inspection scope of work tables list the anticipated percentage of Class 3 systems and components that are to be examined, to the extent practical, per IWD-2000. In addition, these tables describe the exemptions applicable to each program item number.

Program Item	Section XI Category	Class 3 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI[4]	Comments
1	D-A	D1.10	N/A	None	N/A	N/A to PSI[2,3].
2	D-A	D1.20	VT-3	None	100	
3	D-A	D1.30	VT-3	None	100	
4	D-A	D1.40	VT-3	None	100	
5	D-A	D1.50	VT-3	None	100	
6	D-A	D1.60	VT-3	None	100	
7	D-D	D2.10	N/A	None	N/A	N/A to PSI[2,3].
8	D-D	D2.20	VT-3	None	100	
9	D-D	D2.30	VT-3	None	100	
10	D-D	D2.40	VT-3	None	100	
11	D-D	D2.50	VT-3	None	100	
12	D-D	D2.60	VT-3	None	100	
13	D-C	D3.10	N/A	None	N/A	N/A to PSI[2,3].
14	D-C	D3.20	VT-3	None	100	
15	D-C	D3.30	VT-3	None	100	
16	D-C	D3.40	VT-3	None	100	

Program Item	Section XI Category	Class 3 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI[4]	Comments
17	D-C	D3.50	VT-3	None	100	
18	D-C	D3.60	VT-3	None	100	

D-A, SYSTEMS IN SUPPORT OF REACTOR SHUTDOWN FUNCTION

Program Item	IWD-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
1	D1.10	Pressure Retaining Components[1]	IWA-5000/ IWD-5221			N/A		N/A to PSI[2].
			IWA-5000/ IWD-5223			N/A		N/A to PSI[2,3].
2	D1.20	Integral Attachment Component Supports and Restraints[4]	IWD-2500-1			VT-3		
3	D1.30	Integral Attachment Mechanical and Hydraulic Snubbers[4]	IWD-2500-1			VT-3		
4	D1.40	Integral Attachment Spring Type Supports[4]	IWD-2500-1			VT-3		
5	D1.50	Integral Attachment Constant Load Type Supports[4]	IWD-2500-1			VT-3		

D-A, CONTINUED

Program Item	IWD-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
6	D1.60	Integral Attachment Shock Absorbers[4]	IWD-2500-1			VT-3		

D-B, SYSTEM IN SUPPORT OF EMERGENCY CORE COOLING, CONTAINMENT HEAT REMOVAL, ATMOSPHERE CLEANUP, AND REACTOR RHR

Program Item	IWD-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
7	D2.10	Pressure Retaining Components[1]	IWA-5000/ IWD-5221			N/A		N/A to PSI[2].
			IWA-5000/ IWD-5223			N/A		N/A to PSI[2,3].
8	D2.20	Integral Attachment Component Supports and Restraints[4]	IWD-2500-1			VT-3		
9	D2.30	Integral Attachment Mechanical and Hydraulic Snubbers[4]	IWD-2500-1			VT-3		
10	D2.40	Integral Attachment Spring Type Supports[4]	IWD-2500-1			VT-3		
11	D2.50	Integral Attachment Constant Load Type Supports[4]	IWD-2500-1			VT-3		

D-B, CONTINUED

Program Item	IWD-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
12	D2.60	Integral Attachment Shock Absorbers[4]	IWD-2500-1			VT-3		

D-C, SYSTEM IN SUPPORT OF RHR FROM SPENT FUEL STORAGE POOL

Program Item	IWD-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
13	D3.10	Pressure Retaining Components[1]	IWA-5000/ IWD-5221			N/A		N/A to PSI[2].
			IWA-5000/ IWD-5223			N/A		N/A to PSI[2,3].
14	D3.20	Integral Attachment Component Supports and Restraints[4]	IWD-2500-1			VT-3		
15	D3.30	Integral Attachment Mechanical and Hydraulic Snubbers[4]	IWD-2500-1			VT-3		
16	D3.40	Integral Attachment Spring Type Supports[4]	IWD-2500-1			VT-3		
17	D3.50	Integral Attachment Constant Load Type Supports[4]	IWD-2500-1			VT-3		

D-C, CONTINUED

Program Item	IWD-2500-1 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method: Volumetric	Examination Method: Surface	Examination Method: Visual	Section XI Code Relief Requests	Comments
18	D3.60	Integral Attachment Shock Absorbers[4]	IWD-2500-1			VT-3		

NOTES - IWD TABLES

1. The system boundary extends up to and includes the first normally closed valve or valve capable of automatic closure as required to perform the safety-related system function.

2. ASME Code, Section III hydro is performed in lieu of Section XI system leakage test IWD-5221 and system hydrostatic test IWD-5223.

3. See IWA-5215: A preservice system hydrostatic test is not required for ASME Code, Section XI.

4. In the case of multiple components within a system of similar design, function, and service, the integral attachment of only one of the multiple components shall be examined. The integral attachments selected for examination shall correspond to those component supports selected by IWF-2510(b).

5.0 CLASS 1, 2, AND 3 COMPONENT SUPPORTS

5.1 Purpose

The purpose of this section is to define a baseline inspection program for Class 1, 2, and 3 component supports to meet the intent of Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition through Winter 1980 Addenda.

5.2 Inspection Schedule

As much as practicable, Class 1, 2, and 3 component supports shall be examined following the initiation of the hot functional tests. The examination of snubbers may require earlier schedule as specified by the NRC or the plant Technical Specifications.

5.3 Inspection Scope

Areas subject to preservice inspection are shown in the following tables by examination category.

VOGTLE ELECTRIC GENERATING PLANT UNIT NO. 1
PRESERVICE INSPECTION SCOPE OF WORK

002 REV 1

Program Item	Section XI Category	Class 1, 2, and 3 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
1	F-A	F1.10	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.
2	F-A	F1.20	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.
3	F-A	F1.30	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.
4	F-A	F1.40	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.

Program Item	Section XI Category	Class 1, 2, and 3 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
5	F-B	F2.10	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.
6	F-B	F2.20	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.
7	F-B	F2.30	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.
8	F-B	F2.40	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are required to be examined under IWB, IWC, and IWD.

Program Item	Section XI Category	Class 1, 2, and 3 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
9	F-C	F3.10	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are requireed to be examined under IWB, IWC, and IWD.
10	F-C	F3.20	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are requireed to be examined under IWB, IWC, and IWD.
11	F-C	F3.30	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are requireed to be examined under IWB, IWC, and IWD.
12	F-C	F3.40	VT-3	N/A	100	Component supports selected for examination shall be the supports of those components that are requireed to be examined under IWB, IWC, and IWD.

Program Item	Section XI Category	Class 1, 2, and 3 Components Section XI Item	Exam Method	Section XI Exemptions Used	Anticipated % To Be Examined During PSI	Comments
13	F-C	F3.50	VT-4	N/A	100	Component supports selected for examination shall be the supports of those components that are requireed to be examined under IWB, IWC, and IWD.

F-A, PLATE AND SHELL TYPE SUPPORTS

Program Item	IWF-2500 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
1	F1.10	Mechanical Connections to Pressure Retaining Components and Building Structure	IWF-1300-1			VT-3		
2	F1.20	Weld Connections to Building Structure	IWF-1300-1			VT-3		
3	F1.30	Weld and Mechanical Connections at Intermediate Joints in Multi-connected Integral and Nonintegral Supports	IWF-1300-1			VT-3		
4	F1.40	Component Displacement Settings and Stops, Misalignment of Supports, Assembly of Support Items	IWF-1300-1			VT-3		

F-B, LINEAR TYPE SUPPORTS

Program Item	IWF-2500 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
5	F2.10	Mechanical Connections to Pressure Retaining Components and Building Structure	IWF-1300-1			VT-3		
6	F2.20	Weld Connections to Building Structure	IWF-1300-1			VT-3		
7	F2.30	Weld and Mechanical Connections at Intermediate Joints in Multiconnected Integral and Nonintegral Supports	IWF-1300-1			VT-3		

F-B, CONTINUED

Program Item	IWF-2500 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
8	F2.40	Component Displacement Settings of Guides and Stops, Misalignment of Supports, Assembly of Support Items	IWF-1300-1			VT-3		

F-C, COMPONENT STANDARD SUPPORTS

Program Item	IWF-2500 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
9	F3.10	Mechanical Connections to Pressure Retaining Components and Building Structure	IWF-1300-1			VT-3		
10	F3.20	Weld Connections to Building Structure	IWF-1300-1			VT-3		
11	F3.30	Weld and Mechanical Connections at Intermediate Joints in Multiconnected Integral and Nonintegral Supports	IWF-1300-1			VT-3		

F-C, CONTINUED

Program Item	IWF-2500 Item	Component Parts Examined	Examination Requirements/ Figure Number	Examination Method			Section XI Code Relief Requests	Comments
				Volumetric	Surface	Visual		
12	F3.40	Component Displacement Settings of Guides and Stops, Misalignment of Supports, Assembly of Support Items	IWF-1300-1			VT-3		
13	F3.50	Spring Type Supports, Constant Load Type Supports, Shock Absorbers, Hydraulic and Mechanical Type Snubbers	IWF-1300-1			VT-4		

6.0 LINE DESIGNATION LIST

6.1 Scope

The lines listed in the Line Designation List are within the scope of the ASME Code, Section XI. The examination method for each individual line also is designated.

6.2 Systems

The Line Designation List includes the following systems:

System	System No.
Reactor Coolant	1201
Nuclear Service Cooling Water	1202
Component Cooling Water	1203
Safety Injection	1204
Residual Heat Removal	1205
Containment Spray	1206
Chemical and Volume Control	1208
Nuclear Sampling-Liquid	1212
Spent Fuel Cooling and Purification	1213
Main Steam	1301
Auxiliary Feedwater	1302
Condensate and Feedwater	1305
Safety-Related (ESF) Chillers	1592

VEGP Unit No. 1
Line Designation List
System: Reactor Coolant - System No. 1201

002 REV 1

Sheet 1 of 3

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1201	001	29.000	1	111	FG0	2.330	617	2235	UT	PT	VT-2		26	D6	001	111	2	D6	
1	1201	002	29.000	1	111	FG0	2.330	617	2235	UT	PT	VT-2		26	E6	002	111		E6	
1	1201	003	29.000	1	111	FG0	2.330	617	2235	UT	PT	VT-2		26	E3	003	111		E3	
1	1201	004	29.000	1	111	FG0	2.330	617	2235	UT	PT	VT-2		26	D4	004	111		D3	
1	1201	005	31.000	1	111	FG0	2.480	556	2201	UT	PT	VT-2		26	D7	005	111		D8	
1	1201	006	31.000	1	111	FG0	2.480	556	2201	UT	PT	VT-2		26	E7	006	111		E8	
1	1201	007	31.000	1	111	FG0	2.480	556	2201	UT	PT	VT-2		26	F3	007	111		F1	
1	1201	008	31.000	1	111	FG0	2.480	556	2201	UT	PT	VT-2		26	D2	008	111		D1	
1	1201	009	27.500	1	111	FG0	2.210	556	2301	UT	PT	VT-2		26	C6	009	111		B6	
1	1201	010	27.500	1	111	FG0	2.210	556	2301	UT	PT	VT-2		26	F6	010	111		G6	
1	1201	011	27.500	1	111	FG0	2.210	556	2301	UT	PT	VT-2		26	F4	011	111		F4	
1	1201	012	27.500	1	111	FG0	2.210	556	2301	UT	PT	VT-2		26	C4	012	111		B3	
1	1201	021	2.000	1	111	FG0	0.344	617	2233		PT	VT-2		26	D6	021	111		D6	
1	1201	022	2.000	1	111	FG0	0.344	617	2233		PT	VT-2		26	E6	022	111		F6	
1	1201	023	2.000	1	111	FG0	0.344	617	2233		PT	VT-2		26	E3	023	111		E3	
1	1201	024	2.000	1	111	FG0	0.344	617	2233		PT	VT-2		26	C4	024	111		D3	
1	1201	025	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		26	C6	025	111		B7	
1	1201	026	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		26	F6	026	111		G7	
1	1201	027	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		26	F3	027	111		H3	
1	1201	028	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		26	C3	028	111		C3	
1	1201	029	4.000	1	111	FG0	0.531	556	2299	UT	PT	VT-2		26	C6	029	111		B6	

VEGP Unit No. 1
Line Designation List
System: Reactor Coolant - System No. 1201

002 REV 1

Sheet 2 of 3

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1201	030	4.000	1	111	FG0	0.531	556	2299	UT	PT	VT-2		26	B4	030	111		C4	
1	1201	030	6.000	1	111	FG0	0.719	556	2235	UT	PT	VT-2		27	D5	030	112		C4	
1	1201	031	2.000	1	111	FG0	0.344	556	2201		PT	VT-2		26	B7	031	111		B8	
1	1201	036	12.000	1	111	FG0	1.125	617	2235	UT	PT	VT-2		26	D6	036	111		D5	
1	1201	042	2.000	1	111	FG0	0.344	556	2201		PT	VT-2		26	F7	042	111		G8	
1	1201	046	2.000	1	111	FG0	0.344	556	2201		PT	VT-2		26	F3	046	111		G1	
1	1201	048	3.000	1	111	FG0	0.438	556	2299		PT	VT-2		26	G4	048	111		H4	
1	1201	049	12.000	1	111	FG0	1.125	617	2235	UT	PT	VT-2		26	D4	049	111		D4	
1	1201	050	2.000	1	111	FG0	0.344	617	2235		PT	VT-2		47	C3	050	122		C2	
1	1201	051	2.000	1	111	FG0	0.344	556	2201		PT	VT-2		26	C3	051	111		B2	
1	1201	053	14.000	1	111	FG0	1.406	653	2235	UT	PT	VT-2		27	B5	053	111		D4	
1	1201	053	16.000	1	111	FG0	1.590	653	2235	UT	PT	VT-2		26	CA	053	111		D4	
1	1201	056	6.000	1	111	FG0	0.719	653	2235	UT	PT	VT-2		27	D5	056	112		E6	
1	1201	057	6.000	1	111	FG0	0.719	653	2235	UT	PT	VT-2		27	D6	057	112		E6	
1	1201	058	6.000	1	111	FG0	0.719	653	2235	UT	PT	VT-2		27	D6	058	112		E7	
1	1201	059	3.000	1	111	FG0	0.438	653	2235		PT	VT-2		27	C7	059	112		E8	
1	1201	059	6.000	1	111	FG0	0.719	653	2235	UT	PT	VT-2		27	C6	059	112		E7	
1	1201	060	3.000	1	111	FG0	0.438	653	2235		PT	VT-2		26	D7	060	112		D7	
1	1201	060	6.000	1	111	FG0	0.719	653	2235	UT	PT	VT-2		27	D7	060	112		D7	
1	1201	116	3.000	1	111	FG0	0.438	617	2233		PT	VT-2		26	C7	116	113		G4	
1	1201	117	3.000	1	111	FG0	0.438	617	2233		PT	VT-2		26	F7	117	113		G4	

VEGP Unit No. 1
Line Designation List
System: Reactor Coolant - System No. 1201

002 REV 1

Sheet 3 of 3

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1201	118	3.000	1	111	FG0	0.438	617	2233		PT	VT-2		26	F2	118	113		G4	
1	1201	119	3.000	1	111	FG0	0.438	617	2233		PT	VT-2		26	C2	119	113		G4	
1	1201	179	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F7	179	113		E6	
1	1201	180	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F7	180	113		E6	
1	1201	181	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F7	181	113		E6	
1	1201	182	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F7	182	113		E6	
1	1201	183	2.000	1	111	FG0	0.344	617	2233		PT	VT-2		27	F4	183	113		E3	
1	1201	184	2.000	1	111	FG0	0.344	617	2233		PT	VT-2		27	F4	184	113		E3	
1	1201	185	2.000	1	111	FG0	0.465	617	2233		PT	VT-2		27	F4	185	113		E3	
1	1201	186	.000	1	111	FG0	0.465	617	2233		PT	VT-2		27	F4	186	113		E3	
1	1201	191	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F6	191	113		F5	
1	1201	192	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F6	192	113		F5	
1	1201	193	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F6	193	113		F5	
1	1201	194	2.000	1	111	FG0	0.344	556	2301		PT	VT-2		27	F6	194	113		F5	
1	1201	208	2.000	1	111	FG0	0.344	617	2235		PT	VT-2		47	F3	208	122		F2	

VEGP Unit No. 1 002 REV 1

Line Designation List

System: Nuclear Service Cooling Water - System No. 1202

Sheet 1 of 12

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Bass For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	001	6.000	2	212	LL8	0.280	105	145			VT-2	E	37	G3		135	1	G3	
1	1202	001	8.000	2	212	LL8	0.322	105	145			VT-2	E	37	G3		135	1	G2	
1	1202	002	2.000	3	313	LL8	0.154	105	145			VT-2		37	B2		135	1	B1	
1	1202	002	8.000	3	313	LL8	0.322	105	145			VT-2		37	G2		135	1	G1	
1	1202	002	10.000	3	313	LL8	0.365	105	145			VT-2		37	D2		135	1	C1	
1	1202	002	14.000	3	313	LL8	0.250	105	145			VT-2		37	A3		135	1	B1	
1	1202	003	2.000	3	313	LL8	0.154	105	145			VT-2		36	G5		134		F5	
1	1202	003	3.000	3	313	LL8	0.216	105	145			VT-2		36	H6		134		H5	
1	1202	003	4.000	3	313	LL8	0.237	105	145			VT-2		36	H7		134		H6	
1	1202	003	16.000	3	313	LL8	0.250	105	145			VT-2		36	H7		134		H6	
1	1202	004	3.000	3	313	LL8	0.216	95	145			VT-2		36	E5		134		E5	
1	1202	004	4.000	3	313	LL8	0.237	95	145			VT-2		36	E7		134		E7	
1	1202	004	6.000	3	313	LL8	0.280	95	145			VT-2		34	B8		133	1	B8	
1	1202	004	16.000	3	313	LL8	0.250	95	145			VT-2		34	B3		133	1	C2	
1	1202	004	24.000	3	313	LL8	0.250	95	145			VT-2		34	C7		133	1	B8	
1	1202	005	8.000	3	313	LL8	0.322	105	145			VT-2		38	B6		135	2	B6	
1	1202	006	2.000	3	313	LL8	0.154	95	145			VT-2		36	B3		134		C3	
1	1202	006	3.000	3	313	LL8	0.216	95	145			VT-2		36	B5		134		B4	
1	1202	006	4.000	3	313	LL8	0.237	95	145			VT-2		36	B7		134		B6	
1	1202	006	6.000	3	313	LL8	0.280	95	145			VT-2		35	B8		133	2	B8	
1	1202	006	16.000	3	313	LL8	0.250	95	145			VT-2		35	B4		133	2	C3	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	006	24.000	3	313	LL8	0.250	95	145			VT-2		35	B7		133	2	B7	
1	1202	007	12.000	3	313	LL8	0.406	95	145			VT-2		34	F6		133	1	G6	
1	1202	008	12.000	3	313	LL8	0.406	95	145			VT-2		34	F6		133	1	G6	
1	1202	009	12.000	3	313	LL8	0.406	95	145			VT-2		34	F6		133	1	G7	
1	1202	010	12.000	3	313	LL8	0.406	105	145			VT-2		34	F8		133	1	G7	
1	1202	011	12.000	3	313	LL8	0.406	105	145			VT-2		35	G6		133	2	G6	
1	1202	012	12.000	3	313	LL8	0.406	105	145			VT-2		35	G7		133	2	G6	
1	1202	013	12.000	3	313	LL8	0.406	105	145			VT-2		35	G7		133	2	G7	
1	1202	014	12.000	3	313	LL8	0.406	105	20			VT-2		35	G8		133	2	G8	
1	1202	017	3.000	3	313	LL8	0.216	100	100			VT-2		37	D6		135	1	D6	
1	1202	018	3.000	3	313	LL8	0.216	100	145			VT-2		35	G2		133	2	G1	
1	1202	019	2.000	3	313	LL8	0.154	AMB	145			VT-2		34	C4		133	1	C4	
1	1202	020	2.000	3	313	LL8	0.154	AMB	145			VT-2		35	C5		133	2	C4	
1	1202	021	4.000	3	313	LL8	0.237	95	145			VT-2		38	B8		135	2	B8	
1	1202	023	18.000	3	313	LL8	0.250	95	145			VT-2		34	C8		133	1	D8	
1	1202	024	18.000	3	313	LL8	0.250	95	145			VT-2		35	C8		133	2	C8	
1	1202	028	2.000	3	313	LL8	0.154	100	145			VT-2		37	C7		135	1	C7	
1	1202	029	6.000	3	313	LL8	0.280	95	50			VT-2		34	E5		133	1	F5	
1	1202	029	8.000	3	313	LL8	0.322	95	50			VT-2		34	D6		133	1	E5	
1	1202	030	6.000	3	313	LL8	0.280	95	50			VT-2		35	E6		133	2	E5	
1	1202	030	8.000	3	313	LL8	0.322	95	50			VT-2		35	D6		133	2	E5	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	031	18.000	3	313	LL8	0.250	95	145			VT-2		34	C4		133	1	C5	
1	1202	032	18.000	3	313	LL8	0.250	95	145			VT-2		35	C5		133	2	C5	
1	1202	033	18.000	3	313	LL8	0.250	95	145			VT-2		34	C5		133	1	C5	
1	1202	034	18.000	3	313	LL8	0.250	95	145			VT-2		35	C5		133	2	C5	
1	1202	035	10.000	3	313	LL8	0.365	105	145			VT-2		37	G7		135	1	E8	
1	1202	036	10.000	3	313	LL8	0.365	105	145			VT-2		35	H2		133	2	H2	
1	1202	037	10.000	3	313	LL8	0.365	100	145			VT-2		37	F6		135	1	E6	
1	1202	038	10.000	3	313	LL8	0.365	100	145			VT-2		35	F2		133	2	F1	
1	1202	045	2.000	3	313	LL8	0.154	95	145			VT-2		34	B4		133	1	B5	
1	1202	045	3.000	3	313	LL8	0.216	95	145			VT-2		34	B4		133	1	B4	
1	1202	046	2.000	3	313	LL8	0.154	95	145			VT-2		35	A6		133	2	B5	
1	1202	046	3.000	3	313	LL8	0.216	95	145			VT-2		35	B5		133	2	B4	
1	1202	049	2.000	3	313	LL8	0.154	95	145			VT-2		34	E4		133	1	C3	
1	1202	049	3.000	3	313	LL8	0.216	95	145			VT-2		34	C3		133	1	C2	
1	1202	050	2.000	3	313	LL8	0.154	95	145			VT-2		35	E5		133	2	E4	
1	1202	053	2.000	3	313	LL8	0.154	95	145			VT-2		34	F4		133	1	F4	
1	1202	053	3.000	3	313	LL8	0.216	105	145			VT-2		34	G3		133	1	F4	
1	1202	054	2.000	3	313	LL8	0.154	105	145			VT-2		35	F5		133	2	F4	
1	1202	062	2.000	3	313	LL8	0.154	100	145			VT-2		37	C7		135	1	C7	
1	1202	063	2.000	3	313	LL8	0.154	95	145			VT-2		34	E4		133	1	C2	
1	1202	064	2.000	3	313	LL8	0.154	95	145			VT-2		35	D4		133	2	D3	

VEGP Unit No. 1
Line Designation List

002 REV 1

System: Nuclear Service Cooling Water - System No. 1202

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	067	2.000	3	313	LL8	0.154	105	145			VT-2		34	F3		133	1	F3	
1	1202	068	2.000	3	313	LL8	0.154	105	145			VT-2		35	F4		133	2	F3	
1	1202	072	8.000	3	313	LL8	0.322	95	145			VT-2		38	B5		135	2	B5	
1	1202	073	2.000	3	313	LL8	0.154	105	145			VT-2		37	F7		135	1	F7	
1	1202	074	2.000	3	313	LL8	0.154	105	145			VT-2		37	F8		135	1	F8	
1	1202	076	2.000	3	313	LL8	0.154	105	145			VT-2		37	F8		135	1	F8	
1	1202	077	2.000	3	313	LL8	0.154	95	145			VT-2		34	E3		133	1	D1	
1	1202	079	2.000	3	313	LL8	0.154	105	145			VT-2		34	F2		133	1	F1	
1	1202	082	2.000	3	313	LL8	0.154	105	145			VT-2		37	F7		135	1	F7	
1	1202	084	18.000	3	313	LL8	0.250	95	145			VT-2		35	C2		133	2	C2	
1	1202	084	22.000	3	313	LL8	0.250	95	145			VT-2		35	C2		133	2	C2	
1	1202	084	24.000	3	313	LL8	0.250	95	145			VT-2		35	C4		133	2	C3	
1	1202	085	18.000	3	313	LL8	0.250	95	145			VT-2		35	C2		133	2	C1	
1	1202	086	14.000	3	313	LL8	0.250	100	145			VT-2		35	E3		133	2	D2	
1	1202	086	16.000	3	313	LL8	0.250	100	145			VT-2		35	D2		133	2	D2	
1	1202	086	18.000	3	313	LL8	0.250	100	145			VT-2		35	D3		133	2	D2	
1	1202	086	22.000	3	313	LL8	0.250	100	145			VT-2		35	D3		133	2	D2	
1	1202	087	14.000	3	313	LL8	0.250	100	145			VT-2		35	E2		133	2	E1	
1	1202	088	14.000	3	313	LL8	0.250	105	145			VT-2		35	F2		133	2	F2	
1	1202	088	16.000	3	313	LL8	0.250	105	145			VT-2		35	F3		133	2	G2	
1	1202	088	24.000	3	313	LL8	0.250	105	145			VT-2		35	G4		133	2	G4	
1	1202	089	14.000	3	313	LL8	0.250	105	145			VT-2		35	F2		133	2	F2	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1202	090	2.000	3	313	LL8	0.154	100	145			VT-2		35	C3		133	2	C1	
1	1202	091	2.000	3	313	LL8	0.154	100	145			VT-2		35	C3		133	2	C2	
1	1202	094	2.000	3	313	LL8	0.154	105	145			VT-2		35	E2		133	2	E1	
1	1202	095	2.000	3	313	LL8	0.154	105	145			VT-2		35	E3		133	2	E2	
1	1202	096	2.000	3	313	LL8	0.154	105	145			VT-2		35	E3		133	2	F2	
1	1202	098	8.000	3	313	LL8	0.322	95	145			VT-2		38	E7		135	2	E8	
1	1202	098	16.000	3	313	LL8	0.250	95	145			VT-2		38	D8		134	2	B8	
1	1202	099	8.000	3	313	LL8	0.322	105	145			VT-2		38	C2		135	2	C1	
1	1202	099	16.000	3	313	LL8	0.250	105	145			VT-2		38	C7		135	2	C1	
1	1202	104	6.000	3	313	LL8	0.280	95	145			VT-2		36	G2		134		G2	
1	1202	104	8.000	3	313	LL8	0.322	95	145			VT-2		34	C3		133	1	C1	
1	1202	105	2.000	3	313	LL8	0.154	95	145			VT-2		36	F5		134		F4	
1	1202	110	2.000	3	313	LL8	0.154	95	145			VT-2		36	F4		134		E4	
1	1202	111	2.000	3	313	LL8	0.154	105	145			VT-2		36	G4		134		E4	
1	1202	115	3.000	3	313	LL8	0.216	95	145			VT-2		36	E6		134		E6	
1	1202	116	2.000	3	313	LL8	0.154	95	145			VT-2		36	F6		134		F6	
1	1202	117	3.000	3	313	LL8	0.216	105	145			VT-2		36	H6		134		F6	
1	1202	118	2.000	3	313	LL8	0.154	105	145			VT-2		36	G6		134		G6	
1	1202	118	3.000	3	313	LL8	0.216	105	145			VT-2		36	G6		134		G6	
1	1202	122	1.500	3	313	LL8	0.145	95	145			VT-2		36	F8		134		E8	
1	1202	122	3.000	3	313	LL8	0.216	95	145			VT-2		36	E8		134		E8	
1	1202	123	2.000	3	313	LL8	0.154	95	145			VT-2		36	F8		134		F8	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Sheet 6 of 12

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1202	124	1.500	3	313	LL8	0.145	105	145			VT-2		36	G8		134		F8	
1	1202	124	3.000	3	313	LL8	0.216	105	145			VT-2		36	H8		134		F8	
1	1202	125	2.000	3	313	LL8	0.154	105	145			VT-2		36	G8		134		G8	
1	1202	125	3.000	3	313	LL8	0.216	105	145			VT-2		36	G8		134		G8	
1	1202	134	6.000	3	313	LL8	0.280	105	145			VT-2		36	H3		134		F2	
1	1202	134	8.000	3	313	LL8	0.322	105	145			VT-2		36	H3		134		F2	
1	1202	138	4.000	3	212	LL8	0.237	95	145			VT-2		37	B4		135	1	B4	
1	1202	139	4.000	3	212	LL8	0.237	105	145			VT-3		37	B3		135	1	B2	
1	1202	140	8.000	3	212	LL8	0.322	95	145			VT-2		38	G6		135	2	G6	
1	1202	141	8.000	3	212	LL8	0.322	105	145			VT-2		38	E5		135	2	E6	
1	1202	144	2.000	3	313	LL8	0.154	95	145			VT-2		35	C4		133	2	C3	
1	1202	144	3.000	3	313	LL8	0.216	95	145			VT-2		35	C4		133	2	C3	
1	1202	145	2.000	3	313	LL8	0.154	105	145			VT-2		36	D8		134		C7	
1	1202	145	3.000	3	313	LL8	0.216	105	145			VT-2		35	G5		133	2	G4	
1	1202	151	2.000	3	313	LL8	0.154	105	145			VT-2		36	D3		134		D2	
1	1202	151	3.000	3	313	LL8	0.216	95	145			VT-2		36	D2		134		D1	
1	1202	151	4.000	3	313	LL8	0.237	95	145			VT-2		36	E3		134		E2	
1	1202	151	16.000	3	313	LL8	0.250	95	145			VT-2		36	E7		134		E7	
1	1202	155	2.000	3	313	LL8	0.154	95	145			VT-2		36	B2		134		B2	
1	1202	156	2.000	3	313	LL8	0.154	105	145			VT-2		36	C2		134		D1	
1	1202	160	3.000	3	313	LL8	0.216	95	145			VT-2		36	B5		134		B4	
1	1202	161	2.000	3	313	LL8	0.154	95	145			VT-2		36	B5		134		B4	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	162	3.000	3	313	LL8	0.216	105	145			VT-2		36	D5		134		C4	
1	1202	163	2.000	3	313	LL8	0.154	105	145			VT-2		36	D5		134		D4	
1	1202	163	3.000	3	313	LL8	0.216	105	145			VT-2		36	D5		134		D4	
1	1202	167	1.500	3	313	LL8	0.145	95	145			VT-2		36	C6		134		B6	
1	1202	167	3.000	3	313	LL8	0.216	95	145			VT-2		36	B6		134		B6	
1	1202	168	2.000	3	313	LL8	0.154	95	145			VT-2		36	B6		134		B6	
1	1202	169	1.500	3	313	LL8	0.145	105	145			VT-2		36	D6		134		C6	
1	1202	169	3.000	3	313	LL8	0.216	105	145			VT-2		36	D3		134		C6	
1	1202	170	2.000	3	313	LL8	0.154	105	145			VT-2		36	D6		134		D5	
1	1202	170	3.000	3	313	LL8	0.216	105	145			VT-2		36	D6		134		D6	
1	1202	174	14.000	3	313	LL8	0.250	100	145			VT-2		37	D7		135	1	E7	
1	1202	174	16.000	3	313	LL8	0.250	100	145			VT-2		37	D7		135	1	E7	
1	1202	174	18.000	3	313	LL8	0.250	100	145			VT-2		37	C7		135	1	C7	
1	1202	174	22.000	3	313	LL8	0.250	100	145			VT-2		37	C7		135	1	B7	
1	1202	175	18.000	3	313	LL8	0.250	95	145			VT-2		37	B7		135	1	A7	
1	1202	176	2.000	3	313	LL8	0.154	100	145			VT-2		37	B7		135	1	C6	
1	1202	177	2.000	3	313	LL8	0.154	100	145			VT-2		37	B7		135	1	C7	
1	1202	178	2.000	3	313	LL8	0.154	105	145			VT-2		37	C6		135	1	C7	
1	1202	179	14.000	3	313	LL8	0.250	100	145			VT-2		37	D7		135	1	E7	
1	1202	180	14.000	3	313	LL8	0.250	105	145			VT-2		37	F7		135	1	F7	
1	1202	181	14.000	3	313	LL8	0.250	105	145			VT-2		37	F7		135	1	F7	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Sheet 8 of12

Line Number										Examination Method				Reference Drawing							
														ISI Class		ISI Iso.	P&ID			NOTES
Unit	System	No.	Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Volumetric	Surface	Visual	Basis For Exemption	No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	181	16.000	3	313	LL8	0.250	105	145			VT-2		37	G8		135	1	G8	
1	1202	181	20.000	3	313	LL8	0.250	105	145			VT-2		34	G3		133	1	G3	
1	1202	181	24.000	3	313	LL8	0.250	105	145			VT-2		34	G4		133	1	G4	
1	1202	182	2.000	3	313	LL8	0.154	105	145			VT-2		37	E7		135	1	E7	
1	1202	183	2.000	3	313	LL8	0.154	105	145			VT-2		37	E8		135	1	E8	
1	1202	184	8.000	3	313	LL8	0.322	105	145			VT-2		34	F5		133	1	G5	
1	1202	184	18.000	3	313	LL8	0.250	105	145			VT-2		34	F6		133	1	G5	See note 1.
1	1202	185	8.000	3	313	LL8	0.322	105	145			VT-2		35	F5		133	2	F5	
1	1202	185	18.000	3	313	LL8	0.250	105	145			VT-2		35	F6		133	2	F5	See note 2.
1	1202	187	8.000	2	212	LL8	0.322	95	145			VT-2	E	37	F5		135	1	E5	
1	1202	187	10.000	3	313	LL8	0.365	95	145			VT-2		37	E6		135	1	E6	
1	1202	187	14.000	3	313	LL8	0.250	95	145			VT-2		37	A5		135	1	B5	
1	1202	188	6.000	3	212	LL8	0.280	95	145			VT-2		37	E4		135	1	E4	
1	1202	188	8.000	3	212	LL8	0.322	95	145			VT-2		37	F5		135	1	E4	
1	1202	189	6.000	3	212	LL8	0.280	95	145			VT-2		37	D4		135	1	E3	
1	1202	192	6.000	3	212	LL8	0.280	105	145			VT-2		37	E3		135	1	E2	
1	1202	192	8.000	3	212	LL8	0.322	105	145			VT-2		37	E3		135	1	E2	
1	1202	194	8.000	2	212	LL8	0.322	105	145			VT-2	E	37	E2		135	1	E1	
1	1202	195	8.000	3	313	LL8	0.322	105	145			VT-2		37	G6		135	1	G6	
1	1202	196	6.000	3	212	LL8	0.280	95	145			VT-2		37	H4		135	1	G4	
1	1202	196	8.000	3	212	LL8	0.322	95	145			VT-2		37	H5		135	1	H5	
1	1202	197	6.000	3	212	LL8	0.280	95	145			VT-2		37	G4		135	1	G3	
1	1202	202	6.000	3	212	LL8	0.280	105	145			VT-2		37	F3		135	1	E2	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Sheet 9 of 12

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Syst. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	204	6.000	3	212	LL8	0.280	105	145			VT-2		37	H3		135	1	G2	
1	1202	205	6.000	3	212	LL8	0.280	105	145			VT-2		38	E4		135	2	E4	
1	1202	207	6.000	3	212	LL8	0.280	105	145			VT-2		38	E3		135	2	E2	
1	1202	209	6.000	3	212	LL8	0.280	95	145			VT-2		38	G4		135	2	G3	
1	1202	209	8.000	3	212	LL8	0.322	95	145			VT-2		38	G6		135	2	H5	
1	1202	211	6.000	3	212	LL8	0.280	95	145			VT-2		38	G4		135	2	G4	
1	1202	212	6.000	3	212	LL8	0.280	105	145			VT-2		38	E4		135	2	E3	
1	1202	212	8.000	3	212	LL8	0.322	105	145			VT-2		38	D4		135	2	C3	
1	1202	213	8.000	3	313	LL8	0.322	105	145			VT-2		38	C4		135	2	C3	
1	1202	215	8.000	3	313	LL8	0.322	95	145			VT-2		38	E7		135	2	G7	
1	1202	216	6.000	3	212	LL8	0.280	95	145			VT-2		38	H2		135	2	G1	
1	1202	216	8.000	3	212	LL8	0.322	95	145			VT-2		38	H4		135	2	G6	
1	1202	218	6.000	3	212	LL8	0.280	95	145			VT-2		38	G3		135	2	G2	
1	1202	220	6.000	3	212	LL8	0.280	105	145			VT-2		38	E2		135	2	E1	
1	1202	220	8.000	3	212	LL8	0.322	105	145			VT-2		38	D2		135	2	D1	
1	1202	222	8.000	3	313	LL8	0.322	95	145			VT-2		37	C6		135	1	C5	
1	1202	223	8.000	3	212	LL8	0.322	95	145			VT-2		37	D4		135	1	C4	
1	1202	225	8.000	3	212	LL8	0.322	105	145			VT-2		37	D3		135	1	C3	
1	1202	226	8.000	2	212	LL8	0.322	105	145			VT-2	E	37	B2		135	1	B1	
1	1202	228	8.000	2	212	LL8	0.322	95	145			VT-2	E	38	D8		135	2	D7	
1	1202	229	4.000	3	212	LL8	0.237	95	145			VT-2		38	F5		135	2	G5	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1202	229	8.000	3	212	LL8	0.322	95	145			VT-2		38	E7		135	2	D6	
1	1202	231	4.000	3	212	LL8	0.237	105	145			VT-2		38	E5		135	2	E4	
1	1202	231	8.000	3	212	LL8	0.322	105	145			VT-2		38	D5		135	2	D4	
1	1202	232	8.000	3	313	LL8	0.322	105	145			VT-2		38	C5		135	2	C4	
1	1202	241	2.000	3	313	LL8	0.154	100	145			VT-2		35	D2		133	2	D1	
1	1202	245	2.000	3	313	LL8	0.154	105	145			VT-2		35	E3		133	2	E2	
1	1202	247	2.000	3	313	LL8	0.154	95	145			VT-2		35	E2		133	2	F1	
1	1202	254	2.000	3	313	LL8	0.154	95	145			VT-2		35	E3		133	2	E2	
1	1202	291	3.000	3	212	LL8	0.216	95	145			VT-2		37	E5		135	1	E4	
1	1202	292	3.000	3	212	LL8	0.216	95	145			VT-2		38	G5		135	2	H5	
1	1202	336	2.000	3	313	LL8	0.154	105	145			VT-2		37	F7		135	1	F7	
1	1202	338	2.000	3	313	LL8	0.154	105	145			VT-2		37	F7		135	1	F7	
1	1202	347	2.000	3	313	LL8	0.154	105	145			VT-2		37	E8		135	1	E8	
1	1202	348	2.000	3	313	LL8	0.154	105	145			VT-2		37	E7		135	1	E7	
1	1202	365	4.000	3	313	LL8	0.237	95	145			VT-2		36	E3		134		E2	
1	1202	366	4.000	3	313	LL8	0.237	95	145			VT-2		36	E2		134		E2	
1	1202	370	2.000	3	313	LL8	0.154	105	145			VT-2		36	G7		134		G7	
1	1202	371	2.000	3	313	LL8	0.154	95	145			VT-2		36	G7		134		G7	
1	1202	372	2.000	3	313	LL8	0.154	105	145			VT-2		36	G5		134		G6	
1	1202	373	2.000	3	313	LL8	0.154	95	145			VT-2		36	G6		134		G5	
1	1202	374	2.000	3	313	LL8	0.154	105	145			VT-2		36	F5		134		G5	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1202	375	2.000	3	313	LL8	0.154	95	145			VT-2		36	F5		134		F4	
1	1202	376	2.000	3	313	LL8	0.154	95	145			VT-2		36	F4		134		F4	
1	1202	377	2.000	3	313	LL8	0.154	95	145			VT-2		36	F4		134		F4	
1	1202	378	2.000	3	313	LL8	0.154	105	145			VT-2		36	D6		134		D5	
1	1202	379	2.000	3	313	LL8	0.154	95	145			VT-2		36	C6		134		C5	
1	1202	380	2.000	3	313	LL8	0.154	105	145			VT-2		36	D4		134		D4	
1	1202	381	2.000	3	313	LL8	0.154	95	145			VT-2		36	C4		134		C4	
1	1202	382	2.000	3	313	LL8	0.154	105	145			VT-2		36	C3		134		C3	
1	1202	383	2.000	3	313	LL8	0.154	95	145			VT-2		36	C3		134		C3	
1	1202	384	2.000	3	313	LL8	0.154	105	145			VT-2		36	C3		134		C2	
1	1202	385	2.000	3	313	LL8	0.154	95	145			VT-2		36	C3		134		C1	
1	1202	390	18.000	3	313	LL8	0.250	95	145			VT-2		34	C3		135	1	A8	
1	1202	390	22.000	3	313	LL8	0.250	95	145			VT-2		37	C6		135	1	B6	
1	1202	390	24.000	3	313	LL8	0.250	95	145			VT-2		34	C3		133	1	C2	
1	1202	391	2.000	3	313	LL8	0.154	100	145			VT-2		35	D3		133	2	D1	
1	1202	392	2.000	3	313	LL8	0.154	95	145			VT-2		35	F2		133	2	F2	
1	1202	393	2.000	3	313	LL8	0.154	105	145			VT-2		35	F3		133	2	F2	
1	1202	403	2.000	3	313	LL8	0.154	95	145			VT-2		35	D3		133	2	D2	
1	1202	405	4.000	3	313	LL8	0.237	95	145			VT-2		35	D4		133	2	D3	
1	1202	406	4.000	3	313	LL8	0.237	105	145			VT-2		35	F4		133	2	F3	
1	1202	407	4.000	3	313	LL8	0.237	95	145			VT-2		37	B7		135	1	A7	

VEGP Unit No. 1
Line Designation List
System: Nuclear Service Cooling Water - System No. 1202

002 REV 1

Sheet 12 of 12

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1202	408	4.000	3	313	LL8	0.237	115	145			VT-2		37	B8		135	1	C8	
1	1202	428	4.000	3	313	LL8	0.237	95	145			VT-2		38	B7		174	6	F7	
1	1202	430	2.000	3	313	LL8	0.154	105	145			VT-2		36	C8		134		C7	
1	1202	431	2.000	3	313	LL8	0.154	95	145			VT-2		36	C8		134		C7	
1	1202	443	8.000	3	313	LL8	0.322	105	145			VT-2		36	G2		134		G1	
1	1202	471	2.000	3	313	LL8	0.154	105	145			VT-2		38	C7		135	2	C7	
1	1202	472	2.000	3	313	LL8	0.322	105	145			VT-2		36	A5		133	1	A4	
1	1202	497	2.000	3	313	LL8	0.154	105	145			VT-2		35	F3		133	2	F2	
1	1202	498	2.000	3	313	LL8	0.154	105	145			VT-2		35	F3		133	2	F2	

VEGP Unit No. 1
Line Designation List
System: Component Cooling Water - System No. 1203

002 REV 1

Sheet 1 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB -	Sheet No	Coord.	
1	1203	001	4.000	3	313	LL1	0.237	AMB	15			VT-2		42	F7		136		G7	
1	1203	003	3.000	3	313	LL1	0.216	AMB	15			VT-2		42	E7		136		E8	
1	1203	003	4.000	3	313	LL1	0.237	AMB	15			VT-2		42	F7		136		F7	
1	1203	005	3.000	3	313	LL2	0.216	105	100			VT-2		42	F7		136		F7	
1	1203	009	3.000	3	313	LL2	0.216	105	15			VT-2		42	E7		136		F7	
1	1203	010	4.000	3	313	LL2	0.237	105	25			VT-2		42	E6		136		F6	
1	1203	011	4.000	3	313	LL1	0.237	AMB	15			VT-2		42	C7		136		C7	
1	1203	013	3.000	3	313	LL1	0.216	AMB	15			VT-2		42	B7		136		B7	
1	1203	013	4.000	3	313	LL1	0.237	90	15			VT-2		42	C7		136		C7	
1	1203	015	3.000	3	313	LL2	0.216	105	100			VT-2		42	C7		136		C7	
1	1203	019	3.000	3	313	LL2	0.216	105	15			VT-2		42	B7		136		B7	
1	1203	020	4.000	3	313	LL2	0.237	105	25			VT-2		42	B6		136		B6	
1	1203	021	8.000	3	313	LL2	0.322	120	100			VT-2		43	H4		137		H5	
1	1203	021	12.000	3	313	LL2	0.375	120	100			VT-2		42	G3		136		H1	
1	1203	021	14.000	3	313	LL2	0.375	120	100			VT-2		43	H6		137		G5	
1	1203	021	18.000	3	313	LL2	0.375	120	100			VT-2		43	H7		137		G5	
1	1203	021	22.000	3	313	LL2	0.375	120	100			VT-2		42	F3		136		G2	
1	1203	024	2.000	3	313	LL2	0.218	110	70			VT-2		42	F3		136		F2	
1	1203	025	2.000	3	313	LL2	0.218	110	70			VT-2		42	F3		136		F2	
1	1203	026	12.000	3	313	LL2	0.375	105	25			VT-2		42	E3		136		E2	
1	1203	026	14.000	3	313	LL2	0.375	105	25			VT-2		42	G5		136		G4	
1	1203	026	16.000	3	313	LL2	0.375	105	25			VT-2		42	G5		136		G5	

VEGP Unit No. 1
Line Designation List
System: Component Cooling Water - System No. 1203

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing					NOTES
														ISI Class		ISI Iso.	P&ID		
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-C-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1203	026	20.000	3	313	LL2	0.375	105	25			VT-2		42	E6		136		G5	
1	1203	026	22.000	3	313	LL2	0.375	105	25			VT-2		42	F3		136		G2	
1	1203	028	14.000	3	313	LL2	0.375	105	25			VT-2		42	F5		136		F4	
1	1203	028	16.000	3	313	LL2	0.375	105	25			VT-2		42	F5		136		F5	
1	1203	030	8.000	3	313	LL2	0.375	105	25			VT-2		42	EF		136		F5	
1	1203	030	14.000	3	313	LL2	0.375	105	25			VT-2		42	E5		136		F4	
1	1203	030	16.000	3	313	LL2	0.375	105	25			VT-2		42	F6		136		F5	
1	1203	032	10.000	3	313	LL2	0.365	105	100			VT-2		42	G5		136		G4	
1	1203	032	14.000	3	313	LL2	0.375	105	100			VT-2		42	G4		136		G3	
1	1203	033	10.000	3	313	LL2	0.365	105	100			VT-2		42	F5		136		F4	
1	1203	033	14.000	3	313	LL2	0.375	105	100			VT-2		42	F4		136		F3	
1	1203	034	8.000	3	313	LL2	0.322	105	100			VT-2		43	E4		136		F4	See note 3.
1	1203	034	10.000	3	313	LL2	0.365	105	100			VT-2		42	E5		136		F4	
1	1203	034	14.000	3	313	LL2	0.375	105	100			VT-2		43	E6		136		F3	
1	1203	034	18.000	3	313	LL2	0.375	105	100			VT-2		43	E7		136		F1	
1	1203	042	8.000	3	313	LL2	0.322	120	100			VT-2		43	D4		137		D5	
1	1203	042	12.000	3	313	LL2	0.375	120	100			VT-2		42	D3		136		E1	
1	1203	042	14.000	3	313	LL2	0.375	120	100			VT-2		43	E6		137		D6	
1	1203	042	18.000	3	313	LL2	0.375	120	100			VT-2		43	E7		136		D7	
1	1203	042	22.000	3	313	LL2	0.375	120	100			VT-2		42	C3		136		D2	
1	1203	045	2.000	3	313	LL2	0.218	110	70			VT-2		42	C3		136		C2	
1	1203	046	2.000	3	313	LL2	0.218	110	70			VT-2		42	C3		136		C2	

VEGP Unit No. 1
Line Designation List
System: Component Cooling Water - System No. 1203

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1203	047	12.000	3	313	LL2	0.375	110	70			VT-2		42	B3		136		B2	
1	1203	047	14.000	3	313	LL2	0.375	110	70			VT-2		42	D5		136		D4	
1	1203	047	16.000	3	313	LL2	0.375	105	25			VT-2		42	C5		136		D5	
1	1203	047	20.000	3	313	LL2	0.375	105	25			VT-2		42	B6		136		A2	
1	1203	047	22.000	3	313	LL2	0.375	110	70			VT-2		42	C3		136		D2	
1	1203	049	14.000	3	313	LL2	0.375	105	25			VT-2		42	C5		136		C4	
1	1203	049	16.000	3	313	LL2	0.375	105	25			VT-2		42	C5		136		C5	
1	1203	051	8.000	3	313	LL2	0.322	105	25			VT-2		42	B5		136		B5	
1	1203	051	14.000	3	313	LL2	0.375	105	25			VT-2		42	B5		136		B4	
1	1203	051	16.000	3	313	LL2	0.375	105	25			VT-2		42	B5		136		B5	
1	1203	053	10.000	3	313	LL2	0.365	105	100			VT-2		42	D4		136		D4	
1	1203	053	14.000	3	313	LL2	0.375	105	100			VT-2		42	D4		136		D3	
1	1203	054	10.000	3	313	LL2	0.365	105	100			VT-2		42	C4		136		C5	
1	1203	054	14.000	3	313	LL2	0.375	105	100			VT-2		42	C4		136		C4	
1	1203	055	8.000	3	313	LL2	0.322	105	100			VT-2		43	B4		136		B4	See note 3.
1	1203	055	10.000	3	313	LL2	0.365	105	100			VT-2		42	B5		136		B4	
1	1203	055	14.000	3	313	LL2	0.375	105	100			VT-2		43	B4		136		B3	
1	1203	055	18.000	3	313	LL2	0.375	105	100			VT-2		42	B2		136		C1	See note 3.
1	1203	063	12.000	3	313	LL2	0.375	105	100			VT-2		43	F6		137		F7	
1	1203	063	18.000	3	313	LL2	0.375	105	100			VT-2		43	F6		137		F7	
1	1203	065	12.000	3	313	LL2	0.375	110	100			VT-2		43	G6		137		G6	

VEGP Unit No. 1
Line Designation List
System: Component Cooling Water - System No. 1203

002 REV 1

Sheet 4 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (^{o}F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1203	065	18.000	3	313	LL2	0.375	110	100			VT-2		43	G6		137		F6	
1	1203	091	12.000	3	313	LL2	0.375	105	100			VT-2		43	C6		137		B7	
1	1203	091	18.000	3	313	LL2	0.375	105	100			VT-2		43	C6		137		C7	
1	1203	093	12.000	3	313	LL2	0.375	110	100			VT-2		43	D6		137		C6	
1	1203	093	18.000	3	313	LL2	0.375	110	100			VT-2		43	C6		137		C6	

VEGP Unit No. 1
Line Designation List
System: Safety Injection - System No. 1204

022 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1204	001	12.000	2	212	LL1	0.375	120	65			VT-2	G	46	F3		121		E2	
1	1204	003	1.500	2	212	GG0	0.200	206	1670			VT-2	I	46	F4		121		F3	
1	1204	003	3.000	2	212	GG0	0.300	206	1670			VT-2	I	46	F4		121		F3	
1	1204	004	1.500	2	212	GG0	0.200	206	1670			VT-2	I	46	E4		121		D3	
1	1204	004	2.000	2	212	GG0	0.218	206	1670			VT-2	I	46	G4		121		F5	
1	1204	004	3.000	2	212	GG0	0.300	206	1670			VT-2	I	46	F4		121		F4	
1	1204	006	12.000	2	212	LL1	0.406	120	65			VT-2	G	46	G3		121		E2	
1	1204	006	24.000	2	212	LL1	0.375	120	65			VT-2	G	46	G3		121		F3	
1	1204	007	10.000	2	212	LL1	0.365	100	65			VT-2	G	46	G3		121		F2	
1	1204	008	6.000	2	212	LL1	0.280	120	65		PT	VT-2		46	E3	008	121		E1	
1	1204	008	8.000	2	212	LL1	0.322	120	65		PT	VT-2		46	G2	008	121		F1	
1	1204	010	6.000	2	212	LL1	0.280	120	65		PT	VT-2		46	D3	010	121		D1	
1	1204	011	6.000	2	212	LL1	0.280	120	65		PT	VT-2		46	D3	011	121		E2	
1	1204	012	8.000	2	212	LL1	0.322	206	200		PT	VT-2		46	D3	012	121		D2	
1	1204	014	3.000	2	212	GG0	0.300	206	1670			VT-2	I	46	E3		121		E3	
1	1204	014	4.000	2	212	GG0	0.337	206	1670			VT-2	I	46	E5		121		E4	
1	1204	015	3.000	2	212	GG0	0.300	206	1670			VT-2	I	46	D4		121		D3	
1	1204	015	4.000	2	212	GG0	0.337	206	1670			VT-2	I	46	D4		121		D3	
1	1204	016	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	F6		121		E6	See note 4.
1	1204	016	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	F6		121		E6	See note 4.
1	1204	017	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	F7		121		F7	See note 5.

VEGP Unit No. 1
Line Designation List
System: Safety Injection - System No. 1204

022 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D.	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1204	017	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	F7		121		F7	See note 5.
1	1204	018	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	F6	C18	121		F6	
1	1204	020	8.000	1	212	FG0	0.906	AMB	2485	UT	PT	VT-2		46	E6	020	121		F6	
1	1204	021	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	G7	021	121		G7	
1	1204	021	8.000	1	111	FG0	0.906	AMB	2485	UT	PT	VT-2		46	G8	021	121		G7	
1	1204	021	12.000	1	111	FG0	1.125	617	2235	UT	PT	VT-2		26	D4	021	111		D3	
1	1204	022	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	F5	022	121		F6	
1	1204	023	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	G7	023	121		G7	
1	1204	023	8.000	1	111	FG0	0.906	AMB	2485	UT	PT	VT-2		46	G8	023	121		G7	
1	1204	024	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	F8	024	121		G7	
1	1204	024	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	F7	024	121		G7	
1	1204	025	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	F8	025	121		G7	
1	1204	025	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	F7	025	121		G7	
1	1204	028	4.000	2	212	GG0	0.337	206	1670			VT-2	I	46	E5		121		E5	
1	1204	029	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	C7		121		B8	See note 6.
1	1204	029	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	C7		121		B8	See note 6.
1	1204	029	4.000	2	212	FG0	0.531	AMB	2485			VT-2	I	46	C7		121		C6	
1	1204	030	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	C7		121		C7	See note 7.
1	1204	030	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	C7		121		B7	See note 7.
1	1204	031	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	C7		121		B7	See note 8.
1	1204	031	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	C7		121		C7	See note 8.

VEGP Unit No. 1
Line Designation List
System: Safety Injection - System No. 1204

022 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1204	032	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	C6		121		B6	See note 9.
1	1204	032	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	C6		121		B6	See note 9.
1	1204	033	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	B7	033	121		A8	
1	1204	034	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	B7	034	121		A7	
1	1204	035	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	B7	035	121		B7	
1	1204	036	2.000	1	111	FG0	0.344	AMB	2485		PT	VT-2		46	C6	C36	121		B7	
1	1204	037	4.000	2	212	GGC	0.337	206	1670			VT-2	I	46	D5		121		D5	
1	1204	038	10.000	2	212	LL1	0.365	120	65			VT-2	G	46	F3		121		F2	
1	1204	038	14.000	2	212	LL1	0.375	120	65			VT-2	G	46	G3		121		F2	
1	1204	039	6.000	1	212	FG0	0.719	AMB	2485	UT	PT	VT-2		46	B6	039	121		B6	
1	1204	039	8.000	1	212	FG0	0.906	AMB	2485	UT	PT	VT-2		46	B6	039	121		B6	
1	1204	041	6.000	1	212	FG0	0.719	AMB	2485	UT	PT	VT-2		46	B6	041	121		A6	
1	1204	041	8.000	1	212	FG0	0.906	AMB	2485	UT	PT	VT-2		46	B6	041	121		A6	
1	1204	042	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	C7	042	121		B7	
1	1204	043	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	B6	043	121		B7	
1	1204	044	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	B7	044	121		A7	
1	1204	045	6.000	1	111	FG0	0.719	AMB	2485	UT	PT	VT-2		46	B7	045	121		A7	
1	1204	057	3.000	2	212	FG0	0.438	130	2350			VT-2	I	31	B5		116		G8	
1	1204	057	4.000	2	212	FG0	0.531	130	2350			VT-2	I	44	B3		116	2	D7	
1	1204	057	6.000	2	212	FG0	0.719	130	2350	UT	PT	VT-2		44	C5	057	119		C4	
1	1204	063	3.000	2	212	FG0	0.438	165	115			VT-2	I	44	E6		119		E5	

VEGP Unit No. 1
Line Designation List
System: Safety Injection - System No. 1204

022 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D	Coord.	Unit Sys. Line No.	No. 1X4DB -	Sheet No.	Coord.	
1	1204	063	4.000	2	212	FG0	0.531	165	115			VT-2	I	44	E5		119		E4	
1	1204	063	6.000	2	212	FG0	0.719	165	2735	UT	PT	VT-2		44	D5	063	119		E4	
1	1204	076	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		44	F7	076	119		G6	
1	1204	076	3.000	1	111	FG0	0.438	165	2735		PT	VT-2		44	E7	076	119		E6	
1	1204	077	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		44	C7	077	119		D6	
1	1204	078	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		44	E7	078	119		F7	
1	1204	079	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		44	D7	079	119		E7	
1	1204	120	2.000	2	212	HG0	0.154	120	700			VT-2	I	45	G5		120		G5	
1	1204	120	10.000	2	212	HG0	0.365	120	700		PT	VT-2		45	G5	120	120		G5	
1	1204	121	2.000	2	212	HG0	0.154	120	700			VT-2	I	45	E5		120		E5	
1	1204	121	10.000	2	212	HG0	0.365	120	700		PT	VT-2		45	E5	121	120		E5	
1	1204	122	2.000	2	212	HG0	0.154	120	700			VT-2	I	45	D5		120		C5	
1	1204	122	10.000	2	212	HG0	0.365	120	700		PT	VT-2		45	C5	122	120		C5	
1	1204	123	2.000	2	212	HG0	0.154	120	700			VT-2	I	45	B5		120		A5	
1	1204	123	10.000	2	212	HG0	0.365	120	700		PT	VT-2		45	B5	123	120		A5	
1	1204	124	10.000	1	111	FG0	1.000	AMB	2485	UT	PT	VT-2		45	G6	124	120		G6	
1	1204	125	10.000	1	111	FG0	1.000	AMB	2485	UT	PT	VT-2		45	E6	125	120		E6	
1	1204	126	10.000	1	111	FG0	1.000	AMB	2485	UT	PT	VT-2		45	C6	126	120		C6	
1	1204	127	10.000	1	111	FG0	1.000	AMB	2485	UT	PT	VT-2		45	B6	127	120		A6	
1	1204	152	2.000	2	212	LL1	0.154	100	38			VT-2	I	48	D3		131		D3	
1	1204	169	2.000	2	212	LL1	0.154	120	65			VT-2	I	49	C4		130		A3	

VEGP Unit No. 1
Line Designation List
System: Safety Injection - System No. 1204

022 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1204	169	3.000	2	212	LL1	0.216	120	65			VT-2	I	46	G2		121		F1	
1	1204	177	8.000	2	212	LL1	0.322	120	65			VT-2	G	46	G2		121		F2	
1	1204	192	8.000	2	212	LL1	0.322	115	100			VT-2	G	46	F3		122		E6	
1	1204	197	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	F5		121		E5	See note 10.
1	1204	197	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	F5		121		E5	See note 10.
1	1204	197	4.000	2	212	FG0	0.531	AMB	2485			VT-2	I	46	E5		121		E5	
1	1204	199	2.000	2	212	FG0	0.344	AMB	2485			VT-2	I	46	F7		121		E7	See note 11.
1	1204	199	2.000	1	212	FG0	0.344	AMB	2485		PT	VT-2		46	F7		121		E7	See note 11.
1	1204	199	4.000	2	212	FG0	0.531	AMB	2485			VT-2	I	46	D6		121		D6	
1	1204	201	8.000	1	212	FG0	0.906	AMB	2485	UT	PT	VT-2		46	F6	201	121		F6	
1	1204	201	12.000	1	212	FG0	1.125	AMB	2485	UT	PT	VT-2		46	C4	201	121		B4	
1	1204	213	3.000	2	212	LL1	0.216	AMB	20			VT-2	I	46	G2		121		F1	
1	1204	228	2.000	3	313	LL1	0.154	100	38			VT-2		49	C4		130		B3	
1	1204	239	3.000	2	212	LL1	0.216	AMB	20			VT-2	I	46	H3		121		G3	
1	1204	241	3.000	2	212	LL1	0.216	150	65			VT-2	I	46	G3		121		G3	
1	1204	243	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		26	F7	076	111		C4	
1	1204	243	3.000	1	111	FG0	0.438	165	2735		PT	VT-2		26	E7	076	111		D4	
1	1204	244	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		26	E7	078	111		H5	
1	1204	244	3.000	1	111	FG0	0.438	165	2735		PT	VT-2		26	F5	078	111		G5	
1	1204	245	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		26	F4	079	111		H4	
1	1204	245	3.000	1	111	FG0	0.438	165	2735		PT	VT-2		26	F4	079	111		G4	
1	1204	246	1.500	1	111	FG0	0.281	165	2735		PT	VT-2		26	D5	077	111		C4	
1	1204	246	3.000	1	111	FG0	0.438	165	2735		PT	VT-2		26	D5	077	111		D4	

VEGP Unit No. 1
Line Designation List
System: Residual Heat Removal - System No. 1205

002 REV 1

Sheet 1 of 2

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1205	001	3.000	2	212	FG0	0.438	350	450			VT-2	I	47	F3		122		G3	
1	1205	001	12.000	2	212	FG0	1.125	350	450	UT	PT	VT-2		47	F3	001	122		G3	
1	1205	002	3.000	2	212	FG0	0.438	350	450			VT-2	I	47	C3		122		D3	
1	1205	002	12.000	2	212	FG0	1.125	350	450	UT	PT	VT-2		47	C3	002	122		D3	
1	1205	003	12.000	2	212	HG0	0.406	350	450		PT	VT-2		47	F3		122		G3	
1	1205	003	14.000	2	212	HG0	0.438	350	450		PT	VT-2		47	F4	004	122		F3	
1	1205	004	12.000	2	212	HG0	0.406	350	450		PT	VT-2		47	C3	004	122		D3	
1	1205	004	14.000	2	212	HG0	0.438	350	450		PT	VT-2		47	C4	004	122		D3	
1	1205	005	2.000	2	212	HG0	0.154	350	600			VT-2		47	F5		122		F5	
1	1205	005	8.000	2	212	HG0	0.322	350	600		PT	VT-2		47	F5	005	122		F5	
1	1205	005	14.000	2	212	HG0	0.438	350	600		PT	VT-2		47	F6	005	122		F6	
1	1205	006	2.000	2	212	HG0	0.154	350	600			VT-2	I	47	C5		122		D5	
1	1205	006	8.000	2	212	HG0	0.322	350	600		PT	VT-2		47	C5	006	122		D5	
1	1205	006	14.000	2	212	HG0	0.438	350	600		PT	VT-2		47	C6	006	122		C6	
1	1205	007	8.000	2	212	HG0	0.322	350	600		PT	VT-2		47	F7	007	122		F8	
1	1205	007	14.000	2	212	HG0	0.438	350	600		PT	VT-2		47	F6	007	122		F6	
1	1205	008	2.000	2	212	HG0	0.154	350	600			VT-2	I	47	D6		122		C7	
1	1205	008	8.000	2	212	HG0	0.322	350	600		PT	VT-2		47	D7	C08	122		C8	
1	1205	008	14.000	2	212	HG0	0.438	350	600		PT	VT-2		47	C6	008	122		C6	
1	1205	009	8.000	2	212	HG0	0.322	250	600		PT	VT-2		47	E7	009	122		E7	

6557-1

VEGP Unit No. 1
Line Designation List
System: Residual Heat Removal - System No. 1205

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No 1X4DB-	Sheet No	Coord.	
1	1205	009	12.000	2	212	HG0	0.406	250	600		PT	VT-2		47	E7	009	122		E7	
1	1205	010	12.000	2	212	HG0	0.406	250	600		PT	VT-2		47	D7	010	122		E6	
1	1205	012	2.000	2	212	HG0	0.154	250	600			VT-2	I	47	E6		122		F7	
1	1205	013	3.000	2	212	HG0	0.216	350	600			VT-2	I	47	G6		122		G3	
1	1205	014	3.000	2	212	HG0	0.216	350	600			VT-2	I	47	D6		122		D3	
1	1205	019	2.000	2	212	HG0	0.154	350	450			VT-2	I	47	F4		122		G4	
1	1205	020	2.000	2	212	HG0	0.154	350	450			VT-2	I	47	C4		122		D4	
1	1205	023	2.000	2	212	HG0	0.154	350	450			VT-2	I	47	F4		122		G4	
1	1205	024	2.000	2	212	HG0	0.154	350	450			VT-2	I	47	C4		122		D4	
1	1205	027	14.000	2	212	HG0	0.438	350	450		PT	VT-2		47	C4	027	122		C3	
1	1205	028	14.000	2	212	HG0	0.438	350	450		PT	VT-2		47	C4	028	122		C3	
1	1205	030	2.000	2	212	HG0	0.154	250	600			VT-2	I	47	E6		122		D6	
1	1205	039	2.000	3	212	HG0	0.154	350	600			VT-2		47	F4		122		G3	See note 12.
1	1205	039	12.000	2	212	HG0	0.406	350	450		PT	VT-2		47	F3	039	122		F3	
1	1205	040	2.000	2	212	HG0	0.154	350	600			VT-2	I	47	D4		122		D3	
1	1205	040	12.000	2	212	HG0	0.406	350	450		PT	VT-2		47	D4	040	122		D3	

VEGP Unit No. 1
Line Designation List
System: Containment Spray - System No. 1206

002 REV 1

Sheet 1 of 2

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D.	Coord.	Unit Sys. Line No.	No. 1X4DB -	Sheet No	Coord.	
1	1206	001	12.000	2	212	LL1	0.406	AMB	65			VT-2	H	48	B5		131		A5	
1	1206	002	12.000	2	212	LL1	0.406	AMB	65			VT-2	H	48	B5		131		C5	
1	1206	003	10.000	2	212	LL1	0.365	AMB	100			VT-2	H	48	F3		131		G3	
1	1206	004	10.000	2	212	LL1	0.365	AMB	100			VT-2	H	48	D3		131		D3	
1	1206	004	12.000	2	212	LL1	0.406	AMB	100			VT-2	H	48	C4		131		D4	
1	1206	005	2.000	2	212	KG0	0.154	AMB	270			VT-2	I	48	G5		131		G5	
1	1206	005	8.000	2	212	KG0	0.322	AMB	270			VT-2	H	48	G5		131		G5	
1	1206	006	2.000	2	212	KG0	0.154	AMB	270			VT-2	I	48	C5		131		C5	
1	1206	006	8.000	2	212	KG0	0.322	AMB	270			VT-2	H	48	C4		131		C4	
1	1206	007	2.000	2	212	LL1	0.154	120	150			VT-2	I	48	G6		131		G7	
1	1206	007	4.000	2	212	LL1	0.237	120	150			VT-2	I	48	F8		131		F8	
1	1206	007	6.000	2	212	LL1	0.280	120	150			VT-2	H	48	F7		131		F7	
1	1206	007	8.000	2	212	LL1	0.322	120	150			VT-2	H	48	F7		131		G7	
1	1206	007	10.000	2	212	LL1	0.365	120	150			VT-2	H	48	G7		131		G7	
1	1206	008	2.000	2	212	LL1	0.154	120	150			VT-2	I	48	C6		131		D7	
1	1206	008	4.000	2	212	LL1	0.237	120	150			VT-2	I	48	E8		131		E8	
1	1206	008	6.000	2	212	LL1	0.280	120	150			VT-2	H	48	E7		131		E7	
1	1206	008	8.000	2	212	LL1	0.322	120	150			VT-2	H	48	D7		131		D7	
1	1206	008	10.000	2	212	LL1	0.365	120	150			VT-2	H	48	D7		131		D7	
1	1206	009	6.000	2	212	LL1	0.280	120	150			VT-2	H	48	F8		131		F8	
1	1206	010	2.000	3	313	LL1	0.154	AMB	25			VT-2		48	D3		131		D3	

VEGP Unit No. 1
Line Designation List
System: Containment Spray - System No. 1206

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-O-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1206	013	6.000	2	212	LL1	0.280	120	150			VT-2	H	48	G8		131		G8	
1	1206	014	3.000	3	313	LL1	0.216	AMB	25			VT-2		48	F3		131		F3	
1	1206	018	2.000	3	313	LL1	0.154	AMB	15			VT-2		48	E3		131		E3	
1	1206	019	3.000	3	313	LL1	0.216	AMB	25			VT-2		48	E3		131		E3	
1	1206	020	3.000	2	212	LL1	0.216	AMB	25			VT-2	I	48	F5		131		F5	
1	1206	021	3.000	2	212	LL1	0.216	AMB	25			VT-2	I	48	D5		131		D5	
1	1206	036	3.000	2	212	LL1	0.216	100	120			VT-2	I	48	F4		131		G4	
1	1206	037	3.000	2	212	LL1	0.216	100	120			VT-2	I	48	D3		131		D4	
1	1206	040	6.000	2	212	LL1	0.280	120	150			VT-2	H	48	D8		131		D8	
1	1206	046	3.000	3	313	LL1	0.216	AMB	25			VT-2		48	E5		131		E5	
1	1206	047	3.000	2	212	KG0	0.216	AMB	120			VT-2	I	48	G5		131		G5	
1	1206	048	3.000	2	212	KG0	0.216	AMB	120			VT-2	I	48	D5		131		D5	
1	1206	054	6.000	2	212	LL1	0.280	100	150			VT-2	H	48	D8		131		D8	

VEGP Unit No. 1
Line Designation List
System: Chemical and Volume Control - System No. 1208

002 REV 1

Sheet 1 of 7

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Syt. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1208	001	3.000	1	111	FG0	0.438	557	2205		PT	VT-2		28	H7	001	114		G7	
1	1208	002	3.000	2	212	FG0	0.438	557	2205			VT-2	I	28	G7		114		G7	
1	1208	003	2.000	2	212	FG0	0.344	130	2350			VT-2	I	30	E6		116	1	D5	
1	1208	003	3.000	2	212	FG0	0.438	130	2350			VT-2	I	30	C6		116	1	C5	
1	1208	003	3.000	2	212	FG0	0.438	130	2350			VT-2	I	30	D5		116		C5	
1	1208	004	3.000	3	313	LL1	0.216	75	ATM			VT-2		32	F7		118		F6	
1	1208	005	3.000	2	212	FG0	0.438	290	2185			VT-2	I	28	G5		114		G5	
1	1208	006	3.000	2	212	FG0	0.438	516	2290			VT-2	I	28	G7		114		E7	
1	1208	007	3.000	1	111	FG0	0.438	556	2299		PT	VT-2		26	B4	007	111		B3	
1	1208	008	3.000	2	212	FG0	0.438	516	2290		PT	VT-2		28	G7	008	114		F8	
1	1208	009	3.000	1	111	FG0	0.438	556	2299		PT	VT-2		26	B5	009	111		B6	
1	1208	011	2.000	2	212	FG0	0.344	516	2290			VT-2	I	28	F7		114		E8	
1	1208	012	2.000	1	111	FG0	0.344	556	2235		PT	VT-2		27	C5	012	112		D5	
1	1208	019	1.250	2	212	FG0	0.250	150	40			VT-2	I	28	C7		114		C7	
1	1208	020	2.000	2	212	LL1	0.154	150	35			VT-2	I	28	E6		114		D7	
1	1208	020	3.000	2	212	LL1	0.216	150	35			VT-2	I	33	G4		148		C8	
1	1208	022	2.000	2	212	FG0	0.344	130	2350			VT-2	I	30	C7		116	1	B6	
1	1208	023	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	B7		114		A5	
1	1208	023	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	A7		114		A7	
1	1208	023	2.000	2	212	FG0	0.344	130	2340			VT-2	I	28	B3		116	1	A7	
1	1208	024	1.500	1	111	FG0	0.281	130	2340		PT	VT-2		28	B7	024	114		B7	

VEGP Unit No. 1
Line Designation List
System: Chemical and Volume Control - System No. 1208

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D.	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1208	026	3.000	2	212	KG0	0.216	115	350			VT-2	I	33	D3		148		D6	
1	1208	027	3.000	2	212	KG0	0.216	115	350			VT-2	I	33	B4		148		B7	
1	1208	028	2.000	2	212	KG0	0.154	115	350			VT-2	I	33	D3		148		D7	
1	1208	030	3.000	2	212	KG0	0.216	150	350			VT-2	I	33	G3		148		D6	
1	1208	031	3.000	2	212	KG0	0.216	150	350			VT-2	I	33	E4		148		B7	
1	1208	032	2.000	2	212	KG0	0.154	150	350			VT-2	I	33	G3		148		D7	
A	1208	034	3.000	3	313	LL1	0.216	75	ATM			VT-2		32	D4		118		B3	
1	1208	036	1.250	2	212	FG0	0.250	150	40			VT-2	I	28	C7		114		C7	
1	1208	037	2.000	2	212	LL1	0.154	150	35			VT-2	I	28	E6		114		D7	
1	1208	038	1.250	2	212	FG0	0.250	150	40			VT-2	I	28	C7		114		C7	
1	1208	039	2.000	2	212	LL1	0.154	150	35			VT-2	I	28	E7		114		D7	
1	1208	040	1.250	2	212	FG0	0.250	150	40			VT-2	I	28	C7		114		C7	
1	1208	041	2.000	2	212	LL1	0.154	150	35			VT-2	I	28	E7		114		D7	
1	1208	042	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	B7	042	114		A7	
1	1208	042	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	B7		114		A6	
1	1208	042	2.000	2	212	FG0	0.344	130	2340			VT-2	I	28	B4		114		A5	
1	1208	043	1.500	1	111	FG0	0.281	130	2340		PT	VT-2		28	B7	043	114		B7	
1	1208	044	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	B7		114		A7	
1	1208	044	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	B7	044	114		A6	
1	1208	044	2.000	2	212	FG0	0.344	130	2340			VT-2	I	28	A3		114		A5	
1	1208	045	1.500	1	111	FG0	0.281	130	2340		PT	VT-2		28	B7	145	114		B7	

VEGP Unit No. 1
Line Designation List

002 REV 1

System: Chemical and Volume Control - System No. 1208

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Bass For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1208	046	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	B7		114		A7	
1	1208	046	1.500	2	212	FG0	0.281	130	2340			VT-2	I	28	B7	046	114		A6	
1	1208	046	2.000	2	212	FGC	0.344	130	2340			VT-2	I	29	A3		114		A5	
1	1208	047	1.500	1	111	FG0	0.281	130	2340		PT	VT-2		28	B7	047	114		B7	
1	1208	051	2.000	2	212	FG0	0.216	130	2340			VT-2	I	33	G6		148		D6	
1	1208	052	3.000	2	212	FG0	0.216	130	2340			VT-2	I	33	E7		148		B7	
1	1208	053	2.000	2	212	FG0	0.154	130	2340			VT-2	I	33	G6		148		D7	
1	1208	055	3.000	2	212	HG0	0.216	293	390			VT-2	I	28	H3		114		H3	
1	1208	055	3.000	2	212	HG0	0.216	293	390			VT-2	I	28	H3	055	114		H3	
1	1208	064	3.000	2	212	HG0	0.216	200	350			VT-2	I	29	G7		117		F1	
1	1208	066	2.000	2	212	HG0	0.154	115	350			VT-2	I	29	E4		115		F4	
1	1208	066	3.000	2	212	HG0	0.216	115	350			VT-2	I	29	E5		115		F3	
1	1208	068	3.000	2	212	LL1	0.216	130	15			VT-2	I	30	H7		115		H4	
1	1208	089	3.000	2	212	KG0	0.216	150	350			VT-2	I	33	G3		148		C6	
1	1208	090	3.000	2	212	KG0	0.216	115	110			VT-2	I	29	E3		115		E3	
1	1208	091	3.000	2	212	KG0	0.216	115	35			VT-2	I	29	E3		115		F3	
1	1208	092	3.000	2	212	KG0	0.216	150	350			VT-2	I	33	G4		148		C7	
1	1208	093	3.000	2	212	KG0	0.216	115	25			VT-2	I	29	F2		115		F2	
1	1208	095	2.000	2	212	LL1	0.154	150	25			VT-2	I	30	F7		116	1	F7	
1	1208	095	3.000	2	212	LL1	0.216	150	25			VT-2	I	30	F7		116	1	E6	
1	1208	095	4.000	2	212	LL1	0.237	150	25			VT-2	I	30	F6		116	1	F6	

VEGP Unit: No. 1
Line Designation List
System: Chemical and Volume Control - System No. 1208

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB -	Sheet No.	Coord.	
1	1208	097	3.000	2	212	LL1	0.216	115	15			VT-2	I	30	F5		116	1	E4	
1	1208	097	4.000	2	212	LL1	0.237	115	15			VT-2	I	30	F6		116	1	E5	
1	1208	099	2.000	2	212	FG0	0.344	130	2350			VT-2	I	31	D6		116	2	E6	
1	1208	099	3.000	2	212	FG0	0.438	130	2350			VT-2	I	31	D6		116	2	D6	
1	1208	100	2.000	2	212	LL1	0.154	130	25			VT-2	I	31	F8		116	2	E8	
1	1208	101	2.000	2	212	FG0	0.344	130	2350			VT-2	I	31	E6		116	2	F6	
1	1208	101	3.000	2	212	FG0	0.438	130	2350			VT-2	I	31	F6		116	2	F6	
1	1208	103	3.000	2	212	LL1	0.216	130	15			VT-2	I	30	G6		116	1	G6	
1	1208	108	3.000	2	212	LL1	0.216	115	20			VT-2	I	30	H5		116	1	G4	
1	1208	110	3.000	2	212	LL1	0.216	115	15			VT-2	I	30	H4		116	1	H3	
1	1208	112	2.000	2	212	FG0	0.344	165	2153			VT-2	I	28	E2		114		E2	
1	1208	116	2.000	3	313	LL1	0.154	75	25			VT-2		30	G3		116	1	F2	
1	1208	117	2.000	2	212	KG0	0.154	75	25			VT-2	I	30	G3		116	1	G2	
1	1208	118	2.000	3	313	LL1	0.154	75	30			VT-2		30	G2		116	1	F1	
1	1208	119	2.000	3	313	LL1	0.154	75	30			VT-2		30	F2		116	1	F1	
1	1208	123	2.000	2	212	LL1	0.154	115	15			VT-2	I	30	E5		116	1	D4	
1	1208	123	4.000	2	212	LL1	0.237	115	15			VT-2	I	30	E4		116	1	C3	
1	1208	125	2.000	2	212	LL1	0.154	75	25			VT-2	I	30	F3		116	1	F3	
1	1208	127	2.000	3	313	LL1	0.154	75	15			VT-2		30	F3		116	1	E3	
1	1208	131	2.000	3	313	LL1	0.154	75	35			VT-2		30	E2		116	1	D2	
1	1208	132	2.000	2	212	LL1	0.154	115	15			VT-2	I	30	C2		116	1	E1	

VEGP Unit No. 1
Line Designation List
System: Chemical and Volume Control - System No. 1208

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1208	133	2.000	2	212	LL1	0.154	115	15			VT-2	I	30	D2		116	1	D1	
1	1208	134	2.000	3	313	LL1	0.154	75	45			VT-2		30	D3		116	1	D2	
1	1208	136	2.000	3	313	LL1	0.154	75	45			VT-2		30	E3		116	1	D3	
1	1208	137	8.000	2	212	LL1	0.322	115	15		PT	VT-2		31	F3	137	116	2	E3	
1	1208	139	6.000	2	212	LL1	0.280	115	15		PT	VT-2		31	C4	139	116	2	C3	
1	1208	139	8.000	2	212	LL1	0.322	115	15		PT	VT-2		31	C4	139	116	2	C3	
1	1208	141	4.000	2	212	LL1	0.237	115	15			VT-2	I	30	D4		116	1	C3	
1	1208	141	6.000	2	212	LL1	0.280	115	15		PT	VT-2		31	G4	141	116	2	D3	
1	1208	141	8.000	2	212	LL1	0.322	115	15		PT	VT-2		31	G3		116	2	D3	
1	1208	144	4.000	2	212	FG0	0.531	130	2350			VT-2	I	31	G6		116	2	G5	
1	1208	145	4.000	2	212	FG0	0.531	130	2350			VT-2	I	31	C5		116	2	C5	
1	1208	146	3.000	2	212	FG0	0.438	130	2350			VT-2	I	31	B7		116	2	B8	
1	1208	147	3.000	2	212	FG0	0.438	130	2350			VT-2	I	31	C6		116	2	D6	
1	1208	149	3.000	2	212	FG0	0.438	130	2350			VT-2	I	33	F7		116	1	B7	
1	1208	150	2.000	2	212	FG0	0.344	130	2340			VT-2	I	30	C8		116	1	B7	
1	1208	213	2.000	3	313	LL1	0.154	75	45			VT-2		32	F5		118		F5	
1	1208	213	4.000	3	313	LL1	0.237	75	ATM			VT-2		32	G7		118		G7	
1	1208	215	2.000	2	212	HG0	0.154	293	390			VT-2	I	28	H5		114		H5	
1	1208	215	3.000	2	212	HG0	0.216	293	390			VT-2	I	28	H5		114		G5	
1	1208	225	3.000	2	212	HG0	0.216	293	390			VT-2	I	29	G7		115		G8	

VEGP Unit No. 1
Line Designation List
System: Chemical and Volume Control - System No. 1208

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1208	238	2.000	3	313	LL1	0.154	75	ATM			VT-2		32	G6		118		G6	
1	1208	239	3.000	3	313	LL1	0.216	75	ATM			VT-2		32	G6		118		G6	
1	1208	240	2.000	3	313	LL1	0.154	75	ATM			VT-2		32	D4		118		D4	
1	1208	240	3.000	3	313	LL1	0.216	75	ATM			VT-2		32	D4		118		D3	
1	1208	240	6.000	3	313	LL1	0.280	75	ATM			VT-2		32	G7		118		G6	
1	1208	241	2.000	3	313	LL1	0.154	75	ATM			VT-2		32	C4		118		B4	
1	1208	241	3.000	3	313	LL1	0.216	75	ATM			VT-2		32	C4		118		B3	
1	1208	242	2.000	3	313	LL1	0.154	75	45			VT-2		32	D5		118		D4	
1	1208	243	2.000	3	313	LL1	0.154	75	45			VT-2		32	C5		118		B4	
1	1208	248	2.000	2	212	LL1	0.154	175	15			VT-2	I	30	G5		129		G7	
1	1208	251	2.000	2	212	FG0	0.344	130	2340			VT-2	I	33	D6		148		D6	
1	1208	252	3.000	2	212	FG0	0.438	130	2340			VT-2	I	33	B7		148		B7	
1	1208	253	2.000	2	212	FG0	0.344	130	2340			VT-2	I	33	D6		148		C7	
1	1208	255	3.000	2	212	FG0	0.438	290	2185			VT-2	I	28	G5		114		G6	
1	1208	262	2.000	3	313	LL1	0.154	75	ATM			VT-2		32	G7		118		G7	
1	1208	410	3.000	2	212	LL1	0.216	115	140			VT-2	I	31	B7		123	1	D7	
1	1208	411	6.000	2	212	LL1	0.280	115	15		PT	VT-2		31	B6		116	2	A6	
1	1208	411	6.000	2	212	LL1	0.280	115	15		PT	VT-2		31	A6	411	116	2	A6	
1	1208	411	8.000	2	212	LL1	0.322	115	15		PT	VT-2		31	A6	411	116	2	B6	
1	1208	450	2.000	3	313	LL1	0.154	75	35			VT-2		32	D7		118		D7	
1	1208	488	3.000	1	212	FG0	0.250	516	2290		PT	VT-2		28	G7		114		G8	

VEGP Unit No. 1
Line Designation List
System: Chemical and Volume Control - System No. 1208

002 REV 1

Sheet 7 of 7

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1208	490	3.000	2	212	FG0	0.438	130	2350			VT-2	1	30	G3		116	1	C8	
1	1208	491	4.000	2	212	LL1	0.237	115	15			VT-2	1	30	F4		116	1	F4	

VEGP Unit No. 1
Line Designation List
System: Spent Fuel Cooling and Purification- System No. 1213

002 REV 1

Sheet 1 of 1

Line Number			Nominal Pipe Size (inches)	ISI Class*	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1213	001	10.000	3	313	LL1	0.365	120	25			VT-2		49	D5		130		C4	
1	1213	002	10.000	3	313	LL1	0.365	120	25			VT-2		49	C5		130		C4	
1	1213	003	3.000	3	313	LL1	0.216	120	80			VT-2		49	E7		130		E6	
1	1213	003	8.000	3	313	LL1	0.322	120	80			VT-2		49	D6		130		C5	
1	1213	003	10.000	3	313	LL1	0.365	120	80			VT-2		49	E6		130		E5	
1	1213	003	12.000	3	313	LL1	0.406	120	80			VT-2		49	E6		130		E5	
1	1213	004	3.000	3	313	LL1	0.216	120	80			VT-2		49	E7		130		E6	
1	1213	004	8.000	3	313	LL1	0.322	120	80			VT-2		49	C6		130		C5	
1	1213	004	10.000	3	313	LL1	0.365	120	80			VT-2		49	F7		130		F6	
1	1213	004	12.000	3	313	LL1	0.406	120	80			VT-2		49	G7		130		G5	
1	1213	00	10.000	3	313	LL1	0.365	120	70			VT-2		49	G5		130		F4	
1	1213	005	12.000	3	313	LL1	0.406	120	70			VT-2		49	F6		130		F5	
1	1213	006	10.000	3	313	LL1	0.365	110	70			VT-2		49	H6		130		H4	
1	1213	006	12.000	3	313	LL1	0.406	110	70			VT-2		49	H6		130		H5	
1	1213	049	3.000	3	313	LL1	0.216	120	80			VT-2		49	D5		130		E6	
1	1213	050	3.000	3	313	LL1	0.216	120	80			VT-2		49	E5		130		E4	
1	1213	055	2.000	3	313	LL1	0.154	120	100			VT-2		49	E4		130		D4	
1	1213	056	2.000	3	313	LL1	0.154	80	90			VT-2		49	D5		130		D4	

VEGP Unit No. 1
Line Designation List
System: Main Steam - System No. 1301

002 REV 1

Sheet 1 of 5

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1301	001	6.000	2	212	FK0	0.719	545	985	UT	MT	VT-2		54	H4	001	159	2	H4	
1	1301	001	28.000	2	212	GK3	2.063	545	985	AUT	AMT	VT-2		54	G3	001	159	2	H7	AUG ISI
1	1301	001	29.500	2	212	GK3	2.813	545	985	AUT	AMT	VT-2		54	G3	001	159	2	G2	AUG ISI
1	1301	002	6.000	2	212	FK0	0.719	545	985	UT	MT	VT-2		54	F4	002	159	2	F4	
1	1301	002	28.000	2	212	GK3	2.063	545	985	AUT	AMT	VT-2		54	F3	002	159	2	F7	AUG ISI
1	1301	002	29.500	2	212	GK3	2.813	545	985	AUT	AMT	VT-2		54	F3	002	159	2	F3	AUG ISI
1	1301	003	6.000	2	212	FK0	0.719	545	985	UT	MT	VT-2		54	D4	003	159	2	D4	
1	1301	003	28.000	2	212	GK3	2.063	545	985	AUT	AMT	VT-2		54	D3	003	159	2	D8	AUG ISI
1	1301	003	29.500	2	212	GK3	2.813	545	985	AUT	AMT	VT-2		54	D3	003	159	2	D3	AUG ISI
1	1301	004	6.000	2	212	FK0	0.719	545	985	UT	MT	VT-2		54	B4	004	159	2	B4	
1	1301	004	28.000	2	212	GK3	2.063	545	985	AUT	AMT	VT-2		54	B3	004	159	2	B7	AUG ISI
1	1301	004	29.500	2	212	GK3	2.813	545	985	AUT	AMT	VT-2		54	B3	004	159	2	B3	AUG ISI
1	1301	009	4.000	2	212	GK3	0.337	545	985			VT-2	F	54	G6	004	159	2	G2	
1	1301	010	4.000	3	313	GK3	0.337	545	985			VT-2	F	54	G5		159	2	G3	
1	1301	011	4.000	2	212	GK3	0.337	545	985			VT-2	F	54	E6	011	159	2	E2	
1	1301	012	4.000	3	313	GK3	0.337	545	985			VT-2	F	54	E5		159	2	E3	
1	1301	013	8.000	2	212	GK3	0.500	545	985		MT	VT-2		54	H2	013	159	2	G2	
1	1301	013	10.000	2	212	GK3	0.594	545	985	UT	MT	VT-2		54	G2	013	159	2	G2	
1	1301	014	8.000	2	212	GK3	0.500	545	985		MT	VT-2		54	F2	014	159	2	F2	
1	1301	014	10.000	2	212	GK3	0.594	545	985	UT	MT	VT-2		54	F2	014	159	2	F2	
1	1301	015	8.000	2	212	GK3	0.500	545	985		MT	VT-2		54	D2	015	159	2	D2	
1	1301	015	10.000	2	212	GK3	0.594	545	985	UT	MT	VT-2		54	D2	015	159	2	D2	

6552-1

VEGP Unit No. 1
Line Designation List
System: Main Steam - System No. 1301

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1301	016	8.000	2	212	GK3	0.500	545	985		MT	VT-2		54	C2	016	159	2	B2	
1	1301	016	10.000	2	212	GK3	0.594	545	985	UT	MT	VT-2		54	C2	016	159	2	B2	
1	1301	104	26.000	2	212	GK3	1.022	545	985	UT	MT	VT-2		53	D6	104	159	1	C6	
1	1301	104	32.000	2	212	GK3	1.022	545		UT	MT	VT-2		53	D6	104	159	1	C6	
1	1301	105	26.000	2	212	GK3	1.022	545	985	UT	MT	VT-2		53	G6	105	159	1	G6	
1	1301	105	32.000	2	212	GK3	1.022	545		UT	MT	VT-2		53	G6	105	159	1	G6	
1	1301	106	26.000	2	212	GK3	1.022	545	985	UT	MT	VT-2		55	D5	106	159	3	C6	
1	1301	106	32.000	2	212	GK3	1.022	545		UT	MT	VT-2		55	D5	106	159	3	C6	
1	1301	107	26.000	2	212	GK3	1.022	545	985	UT	MT	VT-2		55	G5	107	159	3	G6	
1	1301	107	32.000	2	212	GK3	1.022	545		UT	MT	VT-2		55	G5	107	159	3	G6	
1	1301	108	2.000	2	212	GK3	0.344	345	985			VT-2	F	55	G6		159	3	G7	
1	1301	109	2.000	2	212	GK3	0.344	545	985			VT-2	F	55	D6		159	3	D7	
1	1301	110	2.000	2	212	GK3	0.344	545	985			VT-2	F	53	G6		159	1	G7	
1	1301	111	2.000	2	212	GK3	0.344	545	985			VT-2	F	53	D6		159	1	D6	
1	1301	118	2.000	2	212	GK2	0.344	545	985			VT-2	F	55	E5		159	3	E6	
1	1301	118	3.000	2	212	GK2	0.438	545	985			VT-2	F	55	F5		159	3	E5	
1	1301	119	2.000	2	212	GK2	0.344	545	985			VT-2	F	55	B5		159	3	B6	
1	1301	119	3.000	2	212	GK2	0.438	545	985			VT-2	F	55	B4		159	3	B5	
1	1301	120	2.000	2	212	GK2	0.344	545	985			VT-2	F	53	E6		159	1	E6	
1	1301	120	3.000	2	212	GK2	0.438	545	985			VT-2	F	53	F4		159	1	E7	
1	1301	121	2.000	2	212	GK2	0.344	545	985			VT-2	F	53	B6		159	1	B6	

VEGP Unit No. 1
Line Designation List
System: Main Steam - System No. 1301

002 REV 1

Sheet 3 of 5

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1301	121	3.000	2	212	GK2	0.438	545	985			VT-2	F	53	B4		159	1	E7	
1	1301	126	2.000	2	212	GK2	0.344	545	985			VT-2	F	55	F4		159	3	E6	
1	1301	126	3.000	2	212	GK2	0.438	545	985			VT-2	F	55	F3		159	3	F4	
1	1301	126	3.000	2	212	GK2	0.438	545	985			VT-2	F	55	F4	126	159	3	F4	
1	1301	127	2.000	2	212	GK2	0.344	545	985			VT-2	F	55	B5		159	3	B5	
1	1301	127	2.000	2	212	GK2	0.438	545	985			VT-2	F	55	B3		159	3	B5	
1	1301	127	3.000	2	212	GK2	0.438	545	985			VT-2	F	55	B4	127	159	3	B4	
1	1301	128	2.000	2	212	GK2	0.344	545	985			VT-2	F	53	F5		159	1	F5	
1	1301	128	3.000	2	212	GK2	0.344	545	985			VT-2	F	53	F5		159	1	F4	
1	1301	128	3.000	2	212	GK2	0.438	545	985			VT-2	F	53	F4	128	159	1	F4	
1	1301	129	2.000	2	212	GK2	0.344	545	985			VT-2	F	53	B5		159	1	B5	
1	1301	129	3.000	2	212	GK2	0.438	545	985			VT-2	F	53	B5		159	1	B4	
1	1301	129	3.000	2	212	GK2	0.438	545	985			VT-2	F	53	B5	129	159	1	B4	
1	1301	136	2.000	2	212	GK3	0.344	545	985			VT-2	F	55	G5		159	3	G6	
1	1301	136	4.000	2	212	GK3	0.337	545	985			VT-2	F	55	G5		159	3	G6	
1	1301	137	2.000	2	212	GK3	0.344	545	985			VT-2	F	55	C5		159	3	C6	
1	1301	137	4.000	2	212	GK3	0.337	545	985			VT-2	F	55	C5		159	3	C6	
1	1301	138	2.000	2	212	GK3	0.344	545	985			VT-2	F	53	G5		159	1	G6	
1	1301	138	4.000	2	212	GK3	0.337	545	985			VT-2	F	53	G5		159	1	G5	
1	1301	139	2.000	2	212	GK3	0.344	545	985			VT-2	F	53	C5		159	1	C6	
1	1301	139	4.000	2	212	GK3	0.337	545	985			VT-2	F	53	C5		159	1	C5	

6557-1

VEGP Unit No. 1
Line Designation List
System: Main Steam - System No. 1301

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB -	Sheet No.	Coord.	
1	1301	158	2.000	2	212	GK3	0.344	545	985			VT-2	F	54	G7	158	159	2	H6	
1	1301	159	2.000	2	212	GK3	0.344	545	985			VT-2	F	54	E7	159	159	2	F6	
1	1301	160	2.000	2	212	GK3	0.344	545	985			VT-2	F	54	D7	160	159	2	D6	
1	1301	161	2.000	2	212	GK3	0.344	545	985			VT-2	F	54	B7	161	159	2	B6	
1	1301	165	1.500	2	212	GK2	0.281	545	985			VT-2	F	53	B4		159	1	C4	
1	1301	169	2.000	2	212	FG0	0.344	545	985			VT-2	F	55	F5		159	3	F6	
1	1301	170	4.000	2	212	GK3	0.337	545	1100			VT-2	F	53	D7	170	159	1	D7	
1	1301	171	4.000	2	212	GK3	0.337	545	1100			VT-2	F	55	G6	171	159	3	G8	
1	1301	172	4.000	2	212	GK3	0.337	545	1100			VT-2	F	55	D6	172	159	3	C8	
1	1301	173	4.000	2	212	GK3	0.337	545	1100			VT-2	F	53	G7	173	159	1	G8	
1	1301	174	4.000	2	212	GK3	0.337	545	1100			VT-2	F	54	G8	174	159	2	H7	
1	1301	176	4.000	2	212	GK3	0.337	545	1100			VT-2	F	54	E8	176	159	2	F7	
1	1301	178	4.000	2	212	GK3	0.337	545	1100			VT-2	F	54	D8	178	159	2	D7	
1	1301	180	4.000	2	212	GK3	0.337	545	1100			VT-2	F	54	B8	180	159	2	B7	
1	1301	182	2.000	2	212	FG0	0.344	545	985			VT-2	F	55	B5		159	3	B6	
1	1301	183	2.000	2	212	FG0	0.344	545	985			VT-2	F	53	F6		159	1	F6	
1	1301	184	2.000	2	212	FG0	0.344	545	985			VT-2	F	53	B6		159	1	B6	
1	1301	189	1.500	2	212	GK2	0.281	545	985			VT-2	F	53	F4		159	1	F5	
1	1301	190	1.500	2	212	GK2	0.281	545	985			VT-2	F	55	B4		159	3	B5	
1	1301	191	1.500	2	212	GK2	0.281	545	985			VT-2	F	55	F4		159	3	F5	
1	1301	211	3.000	2	212	GK2	0.438	545	985			VT-2	F	53	F4		159	1	G3	

VEGP Unit No. 1
Line Designation List

002 REV 1

System: Main Steam - System No. 1301

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1301	212	3.000	2	212	GK2	0.438	545	985			VT-2	F	53	C4		159	1	C3	
1	1301	213	3.000	2	212	GK2	0.438	545	985			VT-2	F	55	F4		159	3	G5	
1	1301	214	3.000	2	212	GK2	0.438	545	985			VT-2	F	55	C4		159	3	C5	
1	1301	227	4.000	2	212	GK3	0.337	545	985			VT-2	F	53	G7		159	1	G8	
1	1301	228	4.000	2	212	GK3	0.337	545	985			VT-2	F	53	G7		159	1	G8	
1	1301	229	4.000	2	212	GK3	0.337	545	985			VT-2	F	53	C7		159	1	C8	
1	1301	230	4.000	2	212	GK3	0.337	545	985			VT-2	F	53	C7		159	1	C8	
1	1301	231	4.000	2	212	GK3	0.337	545	985			VT-2	F	55	G7		159	3	G8	
1	1301	232	4.000	2	212	GK3	0.337	545	985			VT-2	F	55	G7		159	3	G8	
1	1301	233	4.000	2	212	GK3	0.337	545	985			VT-2	F	55	C7		159	3	C8	
1	1301	234	4.000	2	212	GK3	0.337	545	985			VT-2	F	55	C7		159	3	C8	
1	1301	357	4.000	2	212	GK3	0.337	545	985			VT-2	F	54	G7		159	2	G6	
1	1301	361	4.000	2	212	GK3	0.531	545	985			VT-2	F	54	E7		159	2	E6	
1	1301	364	4.000	2	212	GK3	0.337	545	985			VT-2	F	54	D7		159	2	C6	
1	1301	367	4.000	2	212	GK3	0.337	545	985			VT-2	F	54	B7		159	2	A6	

VEGP Unit No. 1
Line Designation List
System: Auxiliary Feedwater - System No. 1302

002 Rev 1

Sheet 1 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1302	004	2.000	3	313	GG0	0.218	70	1300			VT-2		57	G6		161	2	G6	
1	1302	006	3.000	3	313	LL2	0.216	70	2			VT-2		56	H4		161	1	H6	
1	1302	007	10.000	3	313	LL2	0.365	220	2			VT-2		58	C4		161	3	C3	
1	1302	008	4.000	3	313	LL1	0.237	70	10			VT-2		56	G5		161	1	H7	
1	1302	009	10.000	3	313	LL1	0.365	70	10			VT-2		56	F5		161	1	E7	
1	1302	010	10.000	3	313	LL1	0.365	70	10			VT-2		56	E3		161	1	E6	
1	1302	011	4.000	3	313	GK2	0.438	70	1500			VT-2		57	G5		161	2	G4	
1	1302	011	6.000	3	313	GK2	0.562	70	1500			VT-2		57	F5		161	2	F4	
1	1302	012	4.000	3	313	GK2	0.438	70	1500			VT-2		57	G4		161	2	G4	
1	1302	013	4.000	3	313	GK2	0.438	70	1500			VT-2		57	F4		161	2	F4	
1	1302	014	4.000	3	313	GK2	0.438	70	1500			VT-2		57	E4		161	2	E4	
1	1302	015	2.500	3	313	LL1	0.203	70	10			VT-2		57	E7		161	2	E7	
1	1302	016	8.000	3	313	LL1	0.322	70	10			VT-2		57	B7		161	1	E6	
1	1302	016	10.000	3	313	LL1	0.365	70	10			VT-2		56	E4		161	1	E6	
1	1302	017	8.000	3	313	LL1	0.322	70	10			VT-2		57	D7		161	1	E6	
1	1302	017	10.000	3	313	LL1	0.365	70	10			VT-2		56	E4		161	1	E6	
1	1302	018	4.000	3	313	GK2	0.438	70	1500			VT-2		57	D4		161	2	D4	
1	1302	019	4.000	3	313	GK2	0.438	70	1500			VT-2		57	D4		161	2	C4	
1	1302	020	4.000	3	313	GK2	0.438	70	1500			VT-2		57	C4		161	2	B4	
1	1302	021	4.000	3	313	GK2	0.438	70	1500			VT-2		57	B4		161	2	B4	
1	1302	022	2.500	3	313	LL1	0.203	70	10			VT-2		57	C7		161	2	C8	
1	1302	023	10.000	3	313	LL1	0.365	70	10			VT-2		56	B5		161	1	A6	

VEGP ! it No. 1
Line De. jnation List
System: Auxiliary Feedwater - System No. 1302

002 Rev 1

Sheet 2 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB -	Sheet No.	Coord.	
1	1302	024	8.000	3	313	LL1	0.322	70	10			VT-2		56	B5		161	1	A6	
1	1302	024	10.000	3	313	LL1	0.365	70	10			VT-2		56	B6		161	1	A6	
1	1302	025	8.000	3	313	LL1	0.322	70	10			VT-2		56	B5		161	1	A6	
1	1302	025	10.000	3	313	LL1	0.365	70	10			VT-2		56	B6		161	1	A6	
1	1302	026	4.000	3	313	LL1	0.237	70	10			VT-2		56	G4		161	1	G6	
1	1302	027	2.500	3	313	LL1	0.203	70	10			VT-2		56	C6		161	2	A8	
1	1302	028	4.000	3	313	GK2	0.438	70	1500			VT-2		57	D5		161	2	C4	
1	1302	029	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	G2		161	2	H3	
1	1302	029	4.000	2	212	GK2	0.438	70	1200			VT-2	F	59	D6		161	2	H2	
1	1302	030	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	G3		161	2	G3	
1	1302	030	4.000	2	212	GK2	0.438	70	1200			VT-2	F	59	D3		161	2	F1	
1	1302	031	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	F3		161	2	F1	
1	1302	031	4.000	2	212	GK2	0.438	70	1200			VT-2	F	59	D4		161	2	F3	
1	1302	032	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	E2		161	2	E3	
1	1302	032	4.000	2	212	GK2	0.438	70	1200			VT-2	F	59	D8		168	3	F8	
1	1302	033	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	D3		161	2	D2	
1	1302	034	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	D3		161	2	D2	
1	1302	035	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	C3		161	2	B3	
1	1302	036	4.000	2	212	GK2	0.438	70	1200			VT-2	F	57	B3		161	2	A3	
1	1302	037	4.000	3	313	LL1	0.237	70	10			VT-2		56	D7		161	1	D7	
1	1302	038	10.000	3	313	LL1	0.365	70	10			VT-2		56	C7		161	1	A7	
1	1302	039	2.000	3	313	LL2	0.218	70	10			VT-2		58	B4		161	3	A3	

6557-1

VEGP Unit No. 1
Line Designation List
System: Auxiliary Feedwater - System No. 1302

002 Rev 1

Sheet 3 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	N								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1302	040	2.500	3	313	GG0	0.276	70	1500			VT-2		57	F6		161	2	F5	
1	1302	041	2.000	3	313	GG0	0.218	100	1300			VT-2		58	E2		161	3	E2	
1	1302	042	2.500	3	313	GG0	0.276	70	1500			VT-2		57	D6		161	2	D5	
1	1302	045	4.000	3	313	GG0	0.337	70	1500			VT-2		57	D6		161	2	D6	
1	1302	046	4.000	3	313	GG0	0.337	70	1500			VT-2		57	C6		161	2	B6	
1	1302	047	8.000	3	313	LL2	0.322	70	10			VT-2		56	G3		161	1	G5	
1	1302	048	6.000	3	313	GG0	0.432	70	1500			VT-2		57	F6		161	2	F6	
1	1302	049	8.000	3	313	LL2	0.322	70	10			VT-2		56	C5		161	1	C6	
1	1302	050	2.000	3	313	LL1	0.237	70	10			VT-2		58	F5		161	3	A4	
1	1302	051	2.000	3	313	GG0	0.218	120	500			VT-2		57	F5		161	2	F5	
1	1302	053	4.000	3	313	LL1	0.237	70	10			VT-2		56	D6		161	1	C6	
1	1302	054	2.500	3	313	GG0	0.276	70	1500			VT-2		57	B6		161	2	B5	
1	1302	055	4.000	3	313	LL1	0.237	70	10			VT-2		56	F3		161	1	F6	
1	1302	056	4.000	3	313	LL1	0.237	70	1			VT-2		56	G4		161	1	G6	
1	1302	059	3.000	3	313	LL2	0.216	70				VT-2		56	D6		161	1	C6	
1	1302	060	4.000	3	313	LL1	0.237	70	10			VT-2		56	D5		161	1	C5	
1	1302	062	2.000	3	313	GG0	0.218	120	500			VT-2		57	D5		161	2	C5	
1	1302	063	2.000	3	313	GG0	0.218	120	500			VT-2		57	C5		161	2	C5	
1	1302	084	3.000	2	212	GK2	0.438	70	1200			VT-2	F	59	E2		168	3	F2	
1	1302	085	3.000	2	212	GK2	0.438	70	1200			VT-2	F	59	E4		168	3	F4	
1	1302	086	3.000	2	212	GK2	0.438	70	1200			VT-2	F	59	E7		168	3	F7	

6557 1

VEGP Unit No. 1
Line Designation List
System: Auxiliary Feedwater - System No. 1302

002 Rev 1

Sheet 4 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1302	087	3.000	2	212	GK2	0.438	70	1200			VT-2	F	59	E6		168	3	F5	
1	1302	088	2.000	3	313	LL1	0.154	70	10			VT-2		56	C7		161	1	B7	
1	1302	089	2.000	3	313	LL1	0.154	70	10			VT-2		56	F5		161	1	F7	
1	1302	107	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	F3		168	3	G2	
1	1302	108	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	F4		168	3	G4	
1	1302	109	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	F6		168	3	G6	
1	1302	110	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	F8		168	3	G8	
1	1302	116	3.000	3	313	LL1	0.216	70	10			VT-2		56	F5		161	1	F6	
1	1302	118	3.000	3	313	LL1	0.216	70	10			VT-2		56	C7		161	1	B6	
1	1302	127	2.000	3	313	LL2	0.218	300	20			VT-2		58	B2		161	3	B4	
1	1302	132	10.000	3	313	LL2	0.365	220	2			VT-2		58	F2		161	3	F1	

6557-1

VEGP Unit No. 1
Line Designation List
System: Condensate and Feedwater - System No. 1305

002 REV 1

Sheet 1 of 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1305	058	4.000	2	212	GK2	0.438	445	1150			VT-2	F	59	E5	058	168	3	D5	
1	1305	058	16.000	2	212	GK2	1.219	445	1150	AUT	AMT	VT-2		59	F5	058	168	3	E5	AUG ISI
1	1305	060	4.000	2	212	GK2	0.438	445	1150			VT-2	F	59	E2	060	168	3	E1	
1	1305	060	16.000	2	212	GK2	1.219	445	1150	AUT	AMT	VT-2		59	F2	060	168	3	E1	AUG ISI
1	1305	062	4.000	2	212	GK2	0.438	445	1150			VT-2	F	59	E7	062	168	3	E7	
1	1305	062	16.000	2	212	GK2	1.219	445	1150	AUT	AMT	VT-2		59	F7	062	168	3	E7	AUG ISI
1	1305	064	4.000	2	212	GK2	0.438	445	1150			VT-2	F	59	E4	064	168	3	E3	
1	1305	064	16.000	2	212	GK2	1.219	445	1150	AUT	AMT	VT-2		59	F4	064	168	3	G3	AUG ISI
1	1305	154	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	C2		168	3	E2	
1	1305	155	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	C4		168	3	E4	
1	1305	156	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	C6		168	3	E5	
1	1305	157	6.000	2	212	GK2	0.562	445	1150	UT	MT	VT-2		59	C7		168	3	E7	

6552-1

VEGP Unit No. 1
Line Designation List
System: Safety-Related (ESF) Chillers - System No. 1592

002 REV 1

Sheet 1 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB -	Sheet No.	Coord.	
1	1592	003	2.000	3	313	LL2	0.218	55	65			VT-2		41	G4		221		G4	
1	1592	003	3.000	3	313	LL2	0.216	55	65			VT-2		41	F5		221		F4	
1	1592	003	6.000	3	313	LL2	0.280	55	65			VT-2		41	F4		221		F4	
1	1592	004	2.000	3	313	LL2	0.218	55	65			VT-2		41	C4		221		C4	
1	1592	004	3.000	3	313	LL2	0.216	55	65			VT-2		41	C5		221		C5	
1	1592	004	6.000	3	313	LL2	0.280	55	65			VT-2		41	C4		221		C4	
1	1592	007	4.000	3	313	LL2	0.237	55	65			VT-2		39	G7		233		G8	
1	1592	007	6.000	3	313	LL2	0.280	55	65			VT-2		41	G2		233		G6	
1	1592	008	4.000	3	313	LL2	0.237	55	65			VT-2		40	G7		234		G7	
1	1592	008	6.000	3	313	LL2	0.280	55	65			VT-2		40	F6		234		F6	
1	1592	011	2.000	3	313	LL2	0.218	55	65			VT-2		41	F7		221		C6	
1	1592	012	2.000	3	313	LL2	0.218	55	65			VT-2		41	B7		221		B6	
1	1592	019	4.000	3	313	LL2	0.237	55	50			VT-2		39	F6		233		F6	
1	1592	020	2.000	3	313	LL2	0.218	55	50			VT-2		39	D2		233		C2	
1	1592	020	2.500	3	313	LL2	0.203	55	50			VT-2		39	D3		233		D3	
1	1592	020	3.000	3	313	LL2	0.216	55	50			VT-2		39	E3		233		E3	
1	1592	020	4.000	3	313	LL2	[illegible]	55	50			VT-2		39	F3		233		F3	
1	1592	020	6.000	3	313	LL2	[illegible]	55	50			VT-2		39	G5		233		G5	
1	1592	023	2.000	3	313	LL2	0.218	55	50			VT-2		39	F2		233		F2	
1	1592	024	1.500	3	313	LL2	0.200	55	50			VT-2		39	F2		233		E2	
1	1592	025	1.500	3	313	LL2	0.200	55	50			VT-2		39	E2		233		C2	
1	1592	026	2.000	3	313	LL2	0.218	55	50			VT-2		39	E3		233		E3	
1	1592	027	1.500	3	313	LL2	0.200	55	50			VT-2		39	E2		233		D2	

6557 1

VEGP Unit No. 1
Line Designation List
System: Safety-Related (ESF) Chillers - System No. 1592

002 REV 1

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No.	Coord.	
1	1592	028	1.500	3	313	LL2	0.200	55	50			VT-2		39	D2		233		D2	
1	1592	029	1.500	3	313	LL2	0.200	55	50			VT-2		39	D2		233		C2	
1	1592	031	2.000	3	313	LL2	0.218	55	65			VT-2		39	D2		233		C2	
1	1592	031	2.500	3	313	LL2	0.203	55	65			VT-2		39	D3		233		D2	
1	1592	031	3.000	3	313	LL2	0.216	55	50			VT-2		39	E3		233		E3	
1	1592	031	4.000	3	313	LL2	0.237	55	50			VT-2		39	F3		233		F3	
1	1592	031	6.000	3	313	LL2	0.280	55	65			VT-2		39	G5		233		G5	
1	1592	032	2.000	3	313	LL2	0.218	55	50			VT-2		39	D7		233		C7	
1	1592	032	4.000	3	313	LL2	0.237	55	50			VT-2		39	G7		233		G8	
1	1592	032	6.000	3	313	LL2	0.280	55	50			VT-2		39	H7		233		G7	
1	1592	033	2.000	3	313	LL2	0.218	55	50			VT-2		39	D7		233		D7	
1	1592	033	4.000	3	313	LL2	0.237	55	50			VT-2		39	E7		233		F7	
1	1592	035	1.500	3	313	LL2	0.200	55	50			VT-2		39	D2		233		D2	
1	1592	036	1.500	3	313	LL2	0.200	55	50			VT-2		39	D2		233		D2	
1	1592	037	1.500	3	313	LL2	0.200	55	50			VT-2		39	E2		233		E2	
1	1592	038	2.000	3	313	LL2	0.218	55	50			VT-2		39	E3		233		E3	
1	1592	039	1.500	3	313	LL2	0.200	55	50			VT-2		39	E2		233		E2	
1	1592	040	1.500	3	313	LL2	0.200	55	65			VT-2		39	F2		233		F2	
1	1592	041	2.000	3	313	LL2	0.218	55	50			VT-2		39	F2		233		F2	
1	1592	043	4.000	3	313	LL2	0.237	55	50			VT-2		40	E7		234		E7	
1	1592	044	1.500	3	313	LL2	0.200	55	50			VT-2		40	D2		234		C3	
1	1592	044	2.000	3	313	LL2	0.218	55	50			VT-2		40	D3		234		C3	

VEGP Unit No. 1
Line Designation List
System: Safety-Related (ESF) Chillers - System No. 1592

002 REV 1

Sheet 3 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-D-	Coord.	Unit Sys. Line No	No. 1X4DB-	Sheet No	Coord.	
1	1592	044	2.500	3	313	LL2	0.203	55	50			VT-2		40	E3		234		D4	
1	1592	044	4.000	3	313	LL2	0.237	55	50			VT-2		40	F3		234		F3	
1	1592	044	6.000	3	313	LL2	0.280	55	65			VT-2		40	E4		234		E5	
1	1592	046	2.000	3	313	LL2	0.218	55	50			VT-2		40	G2		234		G2	
1	1592	048	2.000	3	313	LL2	0.218	55	50			VT-2		40	F2		234		F3	
1	1592	049	1.500	3	313	LL2	0.200	55	50			VT-2		40	F4		234		F5	
1	1592	050	1.500	3	313	LL2	0.200	55	50			VT-2		40	E2		234		E3	
1	1592	050	2.000	3	313	LL2	0.218	55	50			VT-2		40	E3		234		E3	
1	1592	052	1.500	3	313	LL2	0.200	55	50			VT-2		40	E2		234		D3	
1	1592	053	1.500	3	313	LL2	0.200	55	50			VT-2		40	D2		234		C3	
1	1592	054	1.500	3	313	LL2	0.200	55	50			VT-2		40	D2		234		D3	
1	1592	054	2.000	3	313	LL2	0.218	55	50			VT-2		40	D3		234		D4	
1	1592	054	2.500	3	313	LL2	0.203	55	50			VT-2		40	E3		234		D4	
1	1592	054	4.000	3	313	LL2	0.237	55	50			VT-2		40	F3		234		F4	
1	1592	054	6.000	3	313	LL2	0.280	55	50			VT-2		40	E3		234		E4	
1	1592	055	2.000	3	313	LL2	0.218	55	50			VT-2		40	D7		234		D7	
1	1592	055	4.000	3	313	LL2	0.237	55	50			VT-2		40	E7		234		E8	
1	1592	055	6.000	3	313	LL2	0.280	55	50			VT-2		40	F6		234		F7	
1	1592	056	1.500	3	313	LL2	0.200	55	50			VT-2		40	D2		234		C3	
1	1592	057	1.500	3	313	LL2	0.200	55	50			VT-2		40	E2		234		D3	
1	1592	059	1.500	3	313	LL2	0.200	55	50			VT-2		40	E2		234		E3	

VEGP Unit No. 1
Line Designation List
System: Safety-Related (ESF) Chillers - System No. 1592

002 REV 1

Sheet 4 of 4

Line Number			Nominal Pipe Size (inches)	ISI Class	Project Class	Material Spec	Nominal Wall Thickness (inches)	Operating Temp (°F)	Operating Pressure (psig)	Examination Method			Basis For Exemption	Reference Drawing						NOTES
														ISI Class		ISI Iso.	P&ID			
Unit	System	No.								Volumetric	Surface	Visual		No. ISI-O-	Coord.	Unit Sys. Line No.	No. 1X4DB-	Sheet No	Coord.	
1	1592	059	2.000	3	313	LL2	0.218	55	50			VT-2		40	E3		234		E3	
1	1592	060	1.500	3	313	LL2	0.200	55	50			VT-2		40	E4		234		E5	
1	1592	061	2.000	3	313	LL2	0.218	55	50			VT-2		40	F2		234		F3	
1	1592	063	2.000	3	313	LL2	0.218	55	50			VT-2		40	G2		234		G3	
1	1592	064	2.000	3	313	LL2	0.218	55	50			VT-2		40	D7		234		D7	
1	1592	064	4.000	3	313	LL2	0.237	55	50			VT-2		40	G7		234		G8	
1	1592	107	4.000	3	313	LL2	0.237	55	65			VT-2		39	G2		233		G2	
1	1592	108	4.000	3	313	LL2	0.237	55	65			VT-2		39	G2		233		G2	
1	1592	109	4.000	3	313	LL2	0.237	55	65			VT-2		40	G2		234		G3	
1	1592	110	4.000	3	313	LL2	0.237	55	65			VT-2		40	G2		234		G3	
1	1592	209	1.500	3	313	LL2	0.200	55	50			VT-2		39	H7		233		H7	
1	1592	210	1.500	3	313	LL2	0.200	55	50			VT-2		39	H7		233		H7	

01811

6557-1

LINE DESIGNATION LIST BASIS FOR EXEMPTION

BASIS FOR EXEMPTION

IWB-1220 COMPONENTS EXEMPT FROM EXAMINATION

The following components (or parts of components) are exempted from the volumetric and surface examination requirements of IWB-2500:

A. (a) Components that are connected to the reactor coolant system and part of the reactor coolant pressure boundary and that are of such a size and shape so that upon postulated rupture the resulting flow of coolant from the reactor coolant system under normal plant operating conditions is within the capacity of makeup systems which are operable from onsite emergency power.

B. (b) (1) Piping of 1 in. nominal pipe size and smaller, except for steam generator tubing;
(2) Components and their connections in piping of 1 in. nominal pipe size and smaller.

C. (c) Reactor vessel head connections and associated piping, 2 in. nominal pipe size and smaller, made inaccessible by control rod drive penetrations.

IWC-1220 COMPONENTS EXEMPT FROM EXAMINATION

The following components shall be exempted from the inservice examination requirements of IWC-2500:

D. (a) Components of systems or portions of systems that during normal plant operating conditions are not required to operate or perform a system function but remain flooded under static conditions at a pressure of at least 80 percent of the pressure that the component or system will be subjected to when required to operate.

E. (b) Components of systems or portions of systems, other than residual heat removal systems and emergency core cooling systems, that are not required to operate above a pressure of 275 psig (1900 kPa) or above a temperature of 200°F (93°C).

F. (c) Component connections (including nozzles in vessels and pumps), piping and associated valves, and vessels and their attachments that are 4 in. nominal pipe size and smaller.

Per 10 CFR 50.55.a(b) the 1974 through summer 1975 code is used to determine the extent of pipe examinations of the emergency core cooling systems, residual heat removal system, and the containment heat removal system on Class 2 piping as follows:

IWC-1220 EXEMPTED COMPONENTS

The following components may be exempted from the examination requirements of IWC-2520:

G. (a) Components in systems where both the design pressure and temperature are equal to or less than 275 psig and 200°F, respectively.

H. (b) Components in systems or portions of systems, other than emergency core cooling systems, which do not function during normal reactor operation.

(c) Components which perform an emergency core cooling function, provided the control of the chemistry of the contained fluid is verified by periodic sampling and test.

I. (d) Component connections, piping, and associated valves, and vessels (and their supports), that are 4 in. nominal pipe size and smaller.

NOTES

1. Line extends to valve 1668B.

2. Line extends to valve 1669B.

3. This line has two segments.

4. Upgraded line position between valves 116 and 120 to Class 1.

5. Upgraded line position between valves 118 and 123 to Class 1.

6. Upgraded line position between valves 142 and 146 to Class 1.

7. Upgraded line position between valves 141 and 145 to Class 1.

8. Upgraded line position between valves 140 and 144 to Class 1.

9. Upgraded line position between valves 139 and 143 to Class 1.

10. Upgraded line position between valves 117 and 121 to Class 1.

11. Upgraded line position between valves 119 and 122 to Class 1.

12. Line extends to valve 011.