

# **PALO VERDE NUCLEAR GENERATING STATION**

## **UNIT 1**

### **INSERVICE INSPECTION REPORT**

### **FIFTH REFUELING OUTAGE**

**ARIZONA PUBLIC SERVICE  
P. O. BOX 52034  
PHOENIX, AZ 85072**

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# **UNIT 1 INSERVICE INSPECTION REPORT**

## **1.0 Introduction**

- 1.1 This report is a summary of the examinations performed during the Fifth Inservice Inspection (ISI) at the Palo Verde Nuclear Generating Station (PVNGS) Unit 1. This report also includes all applicable examinations conducted since the last summary report. This was the first ISI for Interval 1, Period 3 which was conducted during the fifth refueling outage (April 1, 1995 through May 24, 1995). Palo Verde Unit 1 began commercial operation on January 28, 1986.
- 1.2 This report identifies the components examined, the examination methods used, the examination report numbers, and summarizes the examination results for each of the following categories:
  1. ASME Section XI, Class 1 and 2 pressure retaining components and their supports;
  2. Augmented High Energy Piping systems in accordance with PVNGS UFSAR Section 6.6.8; and
  3. Augmented examinations of Class 2 Safety Injection Piping systems in accordance with 10 CFR 50.55a.
- 1.3 This report is a compilation of the Period 1 and Period 2 refueling outages and the first refueling outage in Period 3. All of the examination report numbers listed in Appendix A for the fifth refueling and examinations performed since the last Summary Report are numbered with 94-1XXX or 95-1XXX.

## **2.0 Examination Summary**

- 2.1 The evaluation of the results from the ISI examinations indicated the integrity of the systems have been maintained. All discrepancies were corrected or determined "use-as-is" in accordance with PVNGS work control practices and ASME Section XI. The abnormal conditions detected are listed in Section 7 (Repairs and Replacements).
- 2.2 Various non-rejectable indications were detected during the performance of examinations. These indications were recorded and are maintained on file.

## **3.0 Examination Techniques**

- 3.1 The three types of examinations utilized to perform the Inservice Examinations, along with the actual nondestructive examination techniques, are identified in the legend below:

VT-Visual	VT-1	General Condition
	VT-2	Leakage
	VT-3	Structural Condition
	VT-4	Operability
S-Surface	PT	Liquid Penetrant
	MT	Magnetic Particle
VOL-Volumetric	UT	Ultrasonic
	RT	Radiographic

- 3.2 All of the nondestructive examinations were performed using specific techniques and procedures that are indicated in ASME Section XI, or alternative examinations that are demonstrated to be equivalent or superior to those identified.

#### **4.0 Accessibility**

- 4.1 All items were examined to the extent practical. Any code limitations encountered during the examination are documented in Appendix B.

#### **5.0 Personnel**

- 5.1 All nondestructive examinations were performed by Arizona Public Service Co. (APS), MQS Inspection, Inc. (MQS), or Lambert, MacGill, Thomas, Inc. (LMT) personnel. All personnel were certified in accordance with programs written to comply with the applicable requirements of ASME Section XI. Copies of all certifications are maintained on file. The Hartford Steam Boiler Inspection and Insurance Company provided the Authorized Nuclear Inservice Inspector (ANII).

#### **6.0 Equipment and Materials**

- 6.1 The equipment and materials utilized were certified to the requirements of ASME Section XI. Copies of all certifications are maintained on file.



## 7.0 Repairs and Replacements

- 7.1 The following is a list of all abnormal conditions detected as a result of the examination:

ZONE	ITEM ID	ABNORMAL CONDITION
20	RC-28-H4	loose jam nut on sway strut
45	SG-42-H11	cracked stiffener weld (non-ASME item)
49	2-14A(long seam)	2-5/8" linear
52	52-52	5/16" linear
86	SI-129-H9	loose bolt on pipe clamp
88	SI-72-H20	loose nut on pipe clamp
95	SI-194-H6	loose bolt on pipe clamp
96	SI-202-H18	loose bolt on pipe clamp
101	SI-194-H16	loose jam nut
101	SI-194-H22	loose jam nut
101	SI-194-H25	loose bolt on pipe clamp

- 7.2 The rejectable surface indications detected were removed by filing/grinding as per the requirement of each individual Deficiency Work Order (DFWO). Pipe thickness readings were taken in the areas where filing or grinding had taken place to verify that the required pipe thicknesses were maintained. All hanger/pipe support abnormalities were repaired and loose bolting tightened. The cracked stiffener weld was rewelded per the DFWO.
- 7.3 The applicable records and reports for the specific repair or replacements are maintained on file at Palo Verde. A preservice examination was performed on the repaired or replaced items listed above.





# **APPENDIX A**

## **INSERVICE INSPECTION SUMMARY REPORT**



## APPENDIX A

### Definition of Terms

The column headings for the tables on the following pages are defined below:

ASME Item No -	The ASME Section XI Category/Item Numbers are listed in the Code, Subsections IWB and IWC. The item number prefixes are defined below:  AHE - Augmented high energy systems piping B - ASME Class 1 systems BFLYWH - Reactor coolant pump flywheels BIWF - ASME Class 1 supports C - ASME Class 2 systems CIWF - ASME Class 2 supports FR - 10 CFR 50 augmented examinations
Zone No -	Area designation per PVNGS design
Comp/Sys -	Component or system description
Insp Per -	Inspection period
Amt Reqd -	Number of items <i>required</i> to be completed in the period
Amt Comp -	Number of <i>required</i> items completed
Item ID -	Item identification per ISI program/zone drawings
Reports (VOL) -	Volumetric exam report number
(SURF) -	Surface exam report number
(VIS) -	Visual exam report number
Remarks -	Re-exam or replacement remarks indicate acceptable examination results



### Definition of terms continued

Acc -	Accessible
ADV -	Atmospheric Dump Valve
Aux -	Auxiliary
Atmos -	Atmospheric
CEDM -	Control Element Drive Mechanism
Circ -	Circumferential
Cont -	Containment
CS -	Containment Spray
CSP -	Containment Spray Pump
FW -	Feedwater
HPSI -	High Pressure Safety Injection
HTRS -	Heaters
ICI -	In Core Instrumentation
IEB -	Inspection and Enforcement Bulletin
Letdown HT Exch -	Letdown Heat Exchanger
LPSI -	Low Pressure Safety Injection
MS -	Main Steam
MT -	Magnetic Particle Test
Press Bound -	Pressure Boundary
PSE -	Preservice Examination
PSV -	Pressurizer Safety Valve
PZR -	Pressurizer
RCP -	Reactor Coolant Pump
RCS -	Reactor Coolant System
Reg HT Exch -	Regenerative Heat Exchanger
SD -	Shutdown
SG -	Steam Generator
Snub -	Snubber Reduction Program
Surf -	Surface
UT -	Ultrasonic Testing
Vis -	Visual
Vol -	Volumetric

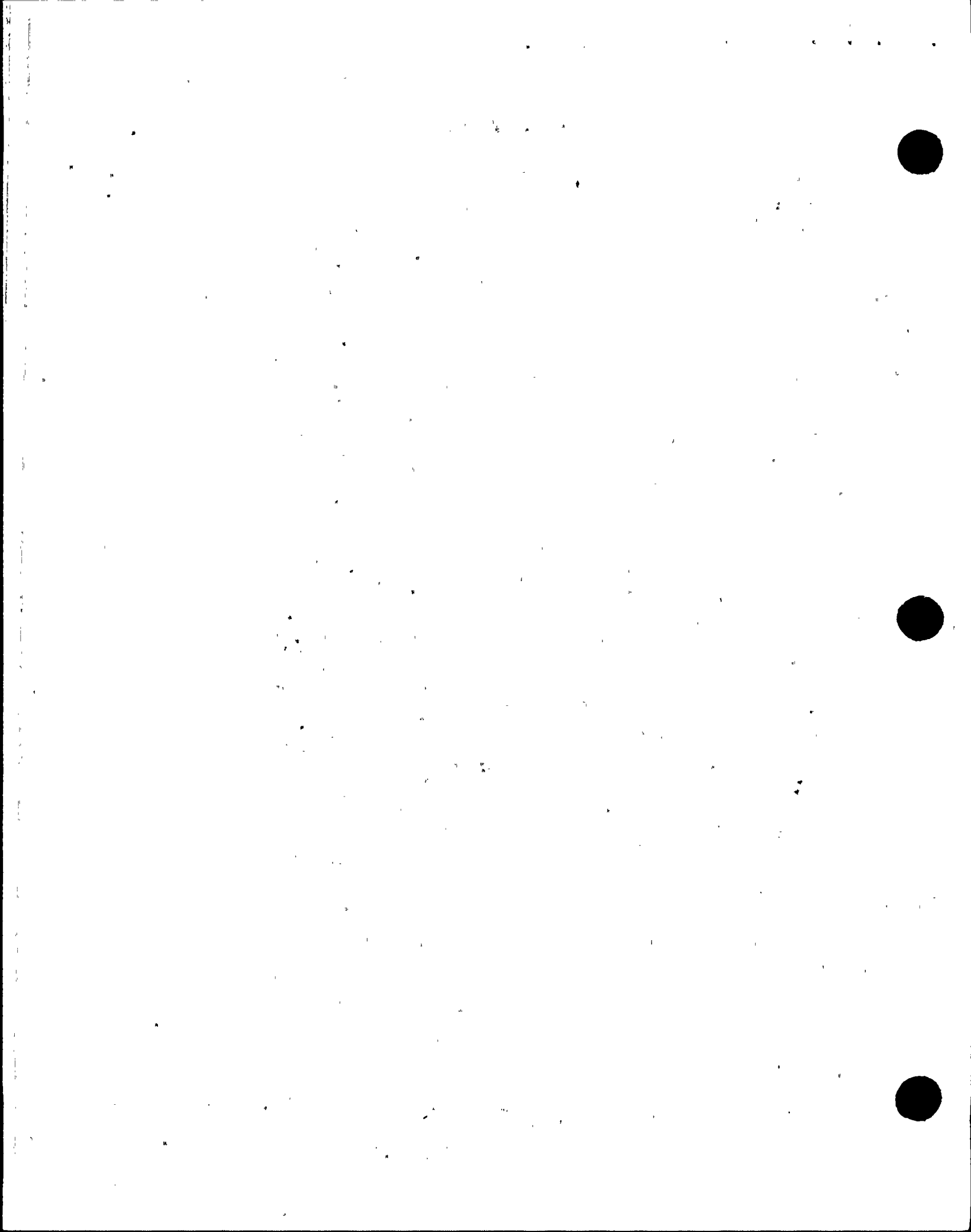


## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
AHE5.11 & AHE 5.12	51 Bypass V180	Two	20	20	51-101	92-1391	92-1360		
					51-102	92-1392	92-1360		
					51-103	92-1393	92-1360		
					51-104	92-1394	92-1360		
					51-105	92-1395	92-1360		
					51-106	92-1396	92-1360		
					51-107	92-1397	92-1360		
					51-108	92-1398	92-1360		
					51-109	92-1399	92-1360		
					51-110	92-1400	92-1360		
					51-111	92-1401	92-1360		
					51-112	92-1402	92-1360		
					51-113	92-1403	92-1360		
					51-114	92-1404	92-1360		
					51-115	92-1405	92-1360		
					51-116	92-1406	92-1360		
					51-117	92-1407	92-1360		
					51-118	92-1408	92-1360		
					51-119	92-1409	92-1360		
					51-120	92-1410	92-1360		
52 Atmos. Dump No. 2		Three	21	21	51-121	92-1411	92-1360		
					52-101	95-1396	95-1357		
					52-102	95-1397	95-1357		
					52-103	95-1398	95-1357		
					52-104	95-1399	95-1357		
					52-105	95-1400	95-1357		
					52-106	95-1401	95-1357		
					52-107	95-1402	95-1357		
					52-108	95-1403	95-1357		
					52-109	95-1404	95-1357		
					52-110	95-1405	95-1357		
					52-111	95-1406	95-1357		
					52-111A	95-1407	95-1357		
					52-112	95-1408	95-1357		
					52-113	95-1409	95-1357		
					52-114	95-1410	95-1357		
					52-115	95-1411	95-1357		
					52-116	95-1412	95-1357		
					52-117	95-1413	95-1357		
					52-118	95-1414	95-1357		
53 Steam to Aux FW		One	10	10	52-119	95-1415	95-1357		
					52-120	95-1416	95-1357		
					53-11	87-1415	87-1381		
					53-12	87-1416	87-1381		
					53-13	87-1417	87-1381		
					53-14	87-1418	87-1381		
					53-15	87-1419	87-1381		
					53-21	87-1420	87-1381		
					53-22	87-1421	87-1381		
					53-23	87-1422	87-1381		
					53-24	87-1423	87-1381		





# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

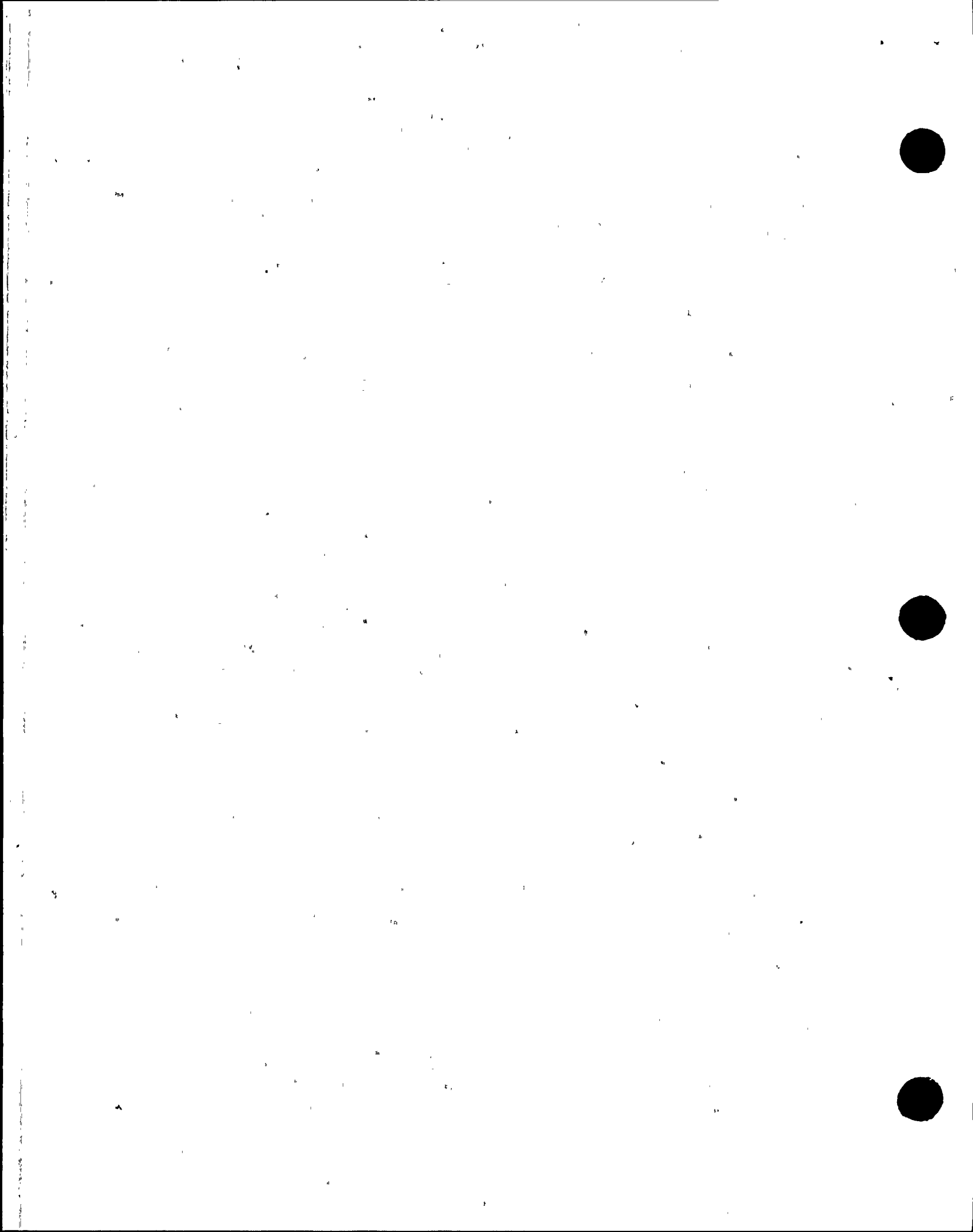
ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
AHE 5.21 & 5.22	47 MS SG1 West	Two	9	9	53-25	87-1424	87-1381		
					53-1	92-1438	92-1382		
					53-2	92-1439	92-1414		
					53-4	92-1440	92-1414		
					53-5	92-1441	92-1414		
					53-6	92-1442	92-1414		
					53-7	92-1443	92-1414		
					53-8	92-1444	92-1414		
					53-9	92-1445	92-1414		
					53-10	92-1446	92-1414		
		Three	9	9	53-26	95-1308	95-1215		
					53-27	95-1309	95-1215		
					53-28	95-1310	95-1215		
					53-29	95-1311	95-1215		
					53-30	95-1312	95-1215		
					53-31	95-1313	95-1215		
					53-32	95-1314	95-1215		
					53-34	95-1315	95-1215		
					53-35	95-1316	95-1215		
		One	9	9	47-1	87-1413	87-1374		
					47-2	87-1414	87-1374		
					47-4	87-1440	87-1374		
					47-8	87-1441	87-1374		
					47-12	87-1442	87-1374		
					47-14A	87-1382	87-1373		
					47-16	87-1443	87-1373		
					47-20	87-1444	87-1373		
					47-24	87-1385	87-1396		
					47-25	87-1386	87-1373		
					47-28	87-1391	87-1373		
					47-29	87-1392	87-1373		
					47-30	87-1387	87-1373		
		Two	0		47-4	93-1325	93-1177		
					47-8	93-1324	93-1177		
					47-12	93-1323	93-1177		
					47-16	93-1322	93-1177		
					47-20	93-1321	93-1177		
48 MS SG1 East		Two	13	13	48-1	92-1415	92-1380		
					48-2	92-1416	92-1380		
					48-4	92-1417	92-1380		
						93-1320	93-1180		
					48-8	92-1418	92-1380		
						93-1319	93-1180		
					48-12	92-1419	92-1380		
						93-1318	93-1180		
					48-14A	92-1420	92-1380		
					48-16	92-1421	92-1359		
						93-1317	93-1180		
					48-20	92-1422	92-1359		
						93-1316	93-1180		
					48-24	92-1423	92-1381		



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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
49 MS SG2 East		Two	0		48-25	92-1437 92-1424	92-1381 92-1474		Reject (surf) Re-exam
					48-28	92-1452	92-1380		
					48-29	92-1453	92-1380		
					48-30	92-1427	92-1380		
					49-4	93-1283	93-1179		
					49-8	93-1282	93-1179		
					49-12	93-1281	93-1179		
					49-16	93-1280	93-1179		
					49-20	93-1279	93-1179		
		Three	13	13	49-1	95-1285	95-1270		
						95-1286			
					49-2	95-1287	95-1271		
						95-1288	95-1336		Reject (surf) Re-exam
							95-1338		
					49-4	95-1347	95-1271		
					49-8	95-1348	95-1271		
					49-12	95-1349	95-1271		
					49-14A	95-1274	95-1272		
						95-1275	95-1273		
					49-16	95-1350	95-1271		
					49-20	95-1351	95-1271		
					49-24	95-1279	95-1272		
						95-1280	95-1271		
					49-25	95-1281	95-1272		
					49-28	95-1363	95-1271		
					49-29	95-1364	95-1271		
					49-30	95-1283	95-1272		
50 MS SG2 West		Two	0		50-4	93-1278	93-1176		
					50-8	93-1277	93-1176		
					50-12	93-1276	93-1176		
						93-1409			
					50-16	93-1275	93-1176		
					50-20	93-1274	93-1176		
		Three	13	13	50-1	95-1376	95-1297		
						95-1377	95-1297		
					50-2	95-1378	95-1297		
						95-1379	95-1297		
					50-4	95-1352	95-1297		
					50-8	95-1353	95-1297		
					50-12	95-1354	95-1297		
					50-14A	95-1383	95-1297		
						95-1384	95-1297		
					50-16	95-1355	95-1297		
					50-20	95-1356	95-1297		
					50-24	95-1299	95-1298		
						95-1300	95-1298		
					50-25	95-1301	95-1298		
					50-28	95-1358	95-1297		
					50-29	95-1359	95-1297		



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ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
51 Atmos Dump SG 1	One	13	13	50-30	95-1302	95-1298			
				51-1	87-1393	87-1377			
				51-2	87-1399	87-1378			
				51-3	87-1394	87-1378			
				51-4	87-1395	87-1378			
				51-5	87-1400	87-1378			
				51-6	87-1401	87-1380			
				51-7	87-1402				Limited MT
				51-8A	87-1403				Limited MT
				51-8B	87-1404	87-1380			
				51-9	87-1405	87-1380			
				51-51	87-1406	87-1397			
				51-84	89-1013	89-1021			PSE/Block valve
				51-85	89-1014	89-1021			PSE/Block valve
				51-86	89-1015	89-1021			PSE/Block valve
				51-87	89-1016	89-1021			PSE/Block valve
	Two	14	14	51-26	92-1454	92-1357			
				51-27	92-1455	92-1357			
				51-28	92-1456	92-1451			
				51-29	92-1457	92-1451			
				51-30	92-1458	92-1357			
				51-31	92-1459	92-1357			
				51-32	92-1460	92-1357			
				51-33	92-1461	92-1357			Reject (surf)
						92-1449			Re-exam
				51-34	92-1462	92-1357			
				51-37	92-1465	92-1357			
				51-49	92-1466	92-1357			
				51-86	92-1467	92-1357			
				51-87	92-1468	92-1357			
				51-88	92-1469	92-1357			
52 Atmos Dump SG 2	One	0		52-84	89-1017	89-1021			PSE/Block valve
				52-85	89-1018	89-1021			PSE/Block valve
				52-86	89-1019	89-1021			PSE/Block valve
				52-87	89-1020	89-1012			PSE/Block valve
	Three	29	29	52-1	95-1360	95-1307			
				52-2	95-1386	95-1307			
				52-3	95-1387	95-1303			
				52-4	95-1388	95-1307			
				52-5	95-1389	95-1307			
				52-6	95-1390	95-1307			
				52-7	95-1518	95-1442			
				52-8	95-1519	95-1442			
				52-9	95-1391	95-1307			
				52-10	95-1392	95-1307			
				52-27	95-1365	95-1307			
				52-28	95-1366	95-1307			
				52-29	95-1520	95-1442			
				52-30	95-1521	95-1442			
				52-31	95-1367	95-1307			
				52-32	95-1368	95-1307			



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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					52-33	95-1369	95-1304		
					52-34	95-1370	95-1307		
					52-35	95-1393	95-1307		
					52-36		95-1307		
					52-37		95-1305		
							95-1307		
					52-38	95-1371	95-1305		
							95-1307		
					52-50	95-1394	95-1307		
					52-52	95-1372	95-1306		Reject (surf)
							95-1337		Re-exam
					52-84	95-1361	95-1307		
					52-85	95-1362	95-1307		
					52-86	95-1373	95-1307		
					52-87	95-1374	95-1307		
					52-88	95-1375	95-1307		
56 FW SG 1		One	5	5	56-1	92-1504	92-1497		
					56-3	92-1505	92-1497		
					56-4	92-1506	92-1497		
					56-6	92-1507	92-1497		
					56-7	92-1508	92-1497		
		Two	2	2	56-9	92-1502	92-1496		
							92-1497		
					56-11	92-1503	92-1496		
60 Downcomer FW SG 1		One	9	9	60-7	87-1425	87-1398		
					60-8	87-1426	87-1398		
					60-9	87-1427	87-1364		
					60-11	87-1428	87-1364		
					60-12		87-1364		Limited UT
					60-14	87-1429	87-1364		
					60-15	87-1430	87-1364		
					60-16	87-1431	87-1364		
					60-17	87-1432	87-1364		
		Two	5	5	60-2	92-1491	92-1499		
					60-3	92-1492	92-1499		
					60-4	92-1493	92-1499		
					60-5	92-1494	92-1499		
					60-6	92-1495	92-1499		
61 Downcomer FW SG 2		Two	5	5	61-2	92-1367	92-1358		
					61-3	92-1368	92-1358		Reject (surf)
							92-1450		Re-exam
					61-4	92-1369	92-1358		Reject (surf)
							92-1450		Re-exam
					61-5	92-1370	92-1358		Reject (surf)
							92-1450		Re-exam
					61-6	92-1371	92-1358		
		Three	9	9	61-7	95-1318	95-1261		
					61-8	95-1319	95-1261		
					61-9	95-1320	95-1261		
					61-11	95-1580	95-1515		
					61-12	95-1581	95-1261		





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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
							95-1515		
					61-14	95-1321	95-1261		
					61-15	95-1322	95-1261		
					61-16	95-1323	95-1261		
					61-17	95-1324	95-1261		
	66 Blowdown SG1	One	9	9	66-1	87-1370	87-1366		
					66-2	87-1407	87-1366		
					66-3		87-1366		Limited UT
					66-5	87-1408	87-1366		
					66-6	87-1409	87-1366		
					66-7	87-1410	87-1366		
					66-8	87-1411	87-1366		
					66-9	87-1412	87-1366		
					66-26	87-1371	87-1366		
		Two	6	6	66-10	93-1329	93-1220		
					66-11	93-1330	93-1220		
					66-12	93-1331	93-1220		
					66-13	93-1332	93-1220		
					66-14	93-1333	93-1220		
					66-15	93-1334	93-1220		
	67 Blowdown SG2	Two	6	6	67-7	93-1335	93-1221		
					67-8	93-1340	93-1221		
					67-9	93-1336	93-1221		
					67-10	93-1337	93-1221		
					67-11	93-1338	93-1221		
					67-12	93-1339	93-1221		
		Three	5	5	67-1	95-1263	95-1262		
					67-2	95-1264	95-1262		
					67-3	95-1265	95-1262		
					67-5	95-1266	95-1262		
					67-6	95-1267	95-1262		
AHE 5.31 & AHE 5.32	47 MS SG1 West	One	7	7	47-3	87-1388	87-1374		
					47-7	87-1389	87-1374		
					47-11	87-1390	87-1374		
					47-15	87-1438	87-1373		
					47-19	87-1383	87-1373		
					47-23	87-1384	87-1373		
					47-27	87-1439	87-1373		
	48 MS SG1 East	Two	9	9	48-3	92-1428	92-1380		
					48-7	92-1429	92-1380		
					48-11	92-1430	92-1380		
					48-15	92-1431	92-1359		
					48-19	92-1432	92-1359		
					48-23	92-1433	92-1359		
							92-1380		
					48-27	92-1434	92-1380		
					48-34	92-1435	92-1380		
					48-35	92-1436	92-1380		
	49 Main Steam SG 2 East	Three	9	9	49-3	95-1289	95-1271		
					49-7	95-1290	95-1271		
					49-11	95-1291	95-1271		



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					49-15	95-1276	95-1271		
					49-19	95-1277	95-1271		
					49-23	95-1278	95-1271		
					49-27	95-1282	95-1271		
					49-34	95-1292	95-1271		
					49-35	95-1284	95-1271		
	50 Main Steam SG 2 West	Three	7	7	50-3	95-1380	95-1297		
					50-7	95-1381	95-1297		
					50-11	95-1382	95-1297		
					50-15	95-1293	95-1297		
					50-19	95-1294	95-1297		
					50-23	95-1295	95-1297		
					50-27	95-1385	95-1297		
B 1.22	02 Closure Head	One	33%	33%	2-4	87-1603	87-1598		
						87-1604			
						87-1605			
		Two	33%	33%	2-4	93-1141	93-1114		
						93-1142			
						93-1143			
		Three	34%	34%	2-4	95-1342			
						95-1344			
						95-1346			
B 1.30	01 Reactor Vessel	One	50%	50%	1-14	92-1331			
						92-1332			
						92-1333			
B 1.40	02 Closure Head	One	33%	33%	2-1	87-1603	87-1598		
						87-1604			
						87-1605			
		Two	33%	33%	2-1	93-1138	93-1114		
						93-1139			
						93-1140			
		Three	34%	34%	2-1	95-1341	95-1395		
						95-1343			
						95-1345			
B 2.11	05 PZR	One	33%	33%	5-2	89-1190			
						89-1191			
						89-1192			
					5-8	89-1188			
						89-1199			
						89-1200			
		Two	33%	33%	5-2	93-1135			
						93-1136			
						93-1137			
					5-8	93-1230			
						93-1231			
						93-1232			
					5-6	93-1233			Long seam weld
						93-1234			for 5-8, 1 ft. min.
						93-1235			
B 2.31	03 SG1	One	1	1	3-5	89-1222			
						89-1216			

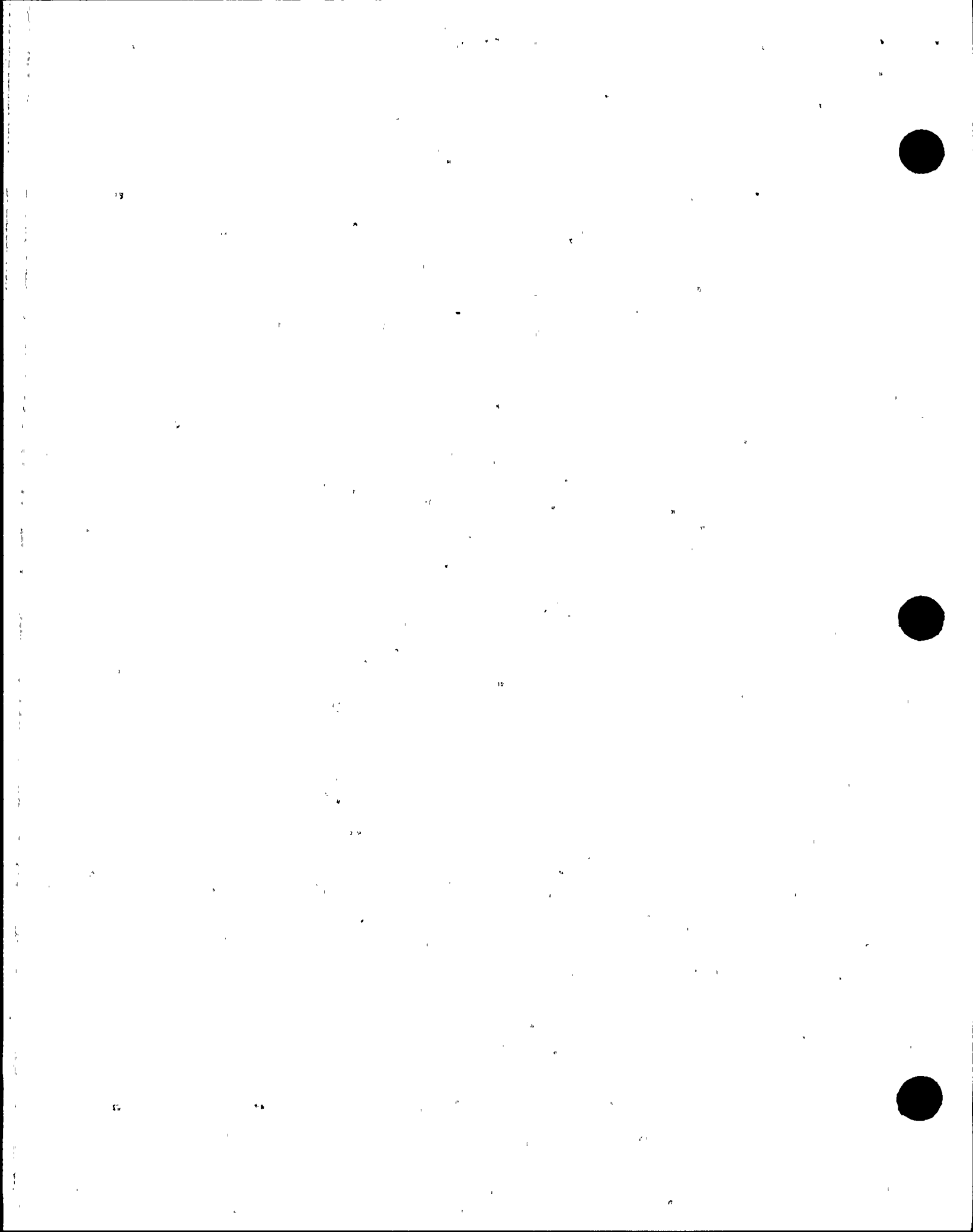


## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 2.32	04 SG2	Two	1	1	3-2	89-1210			
						93-1023			
						93-1024			
		One	1	1	4-2	93-1025			
						89-1146			
						89-1147			
	03 SG1	Two	1	1	4-5	89-1148			
						93-1038			
						93-1039			
		One	4	4	3-10	93-1040			
						89-1224			
						89-1218			
					3-11	89-1212			
						89-1225			
						89-1219			
					3-12	89-1213			
						89-1226			
						89-1220			
	04 SG2	Two	1	1	3-4	89-1214			
						89-1227			
						89-1221			
		Two	5	5	4-4	89-1215			
						93-1020			
						93-1021			
					4-10	93-1022			
						93-1031			
						93-1032			
					4-11	93-1033			
						93-1038			
						93-1039			
B 2.40	03 SG1	One	1	1	3-6	93-1040			
						93-1038			
						93-1039			
		Two	1	1	4-6	93-1040			
						93-1038			
						93-1039			
	04 SG2				4-12	93-1040			
						93-1038			
						93-1039			
					4-13	93-1040			
						93-1038			
						93-1039			
B 3.90	01 Reactor Vessel	One	2	2	1-15	93-1040			
						89-1223			
						89-1217			
						89-1211			
B 3.100	01 Reactor Vessel	One	2	2	1-18	93-1035			
						93-1036			
						93-1037			
						89-W*			
B 3.110	05 Pressurizer	One	2	2	5-11	89-W*			
						89-W*			
						89-W*			
						89-1189			

\* Seperate Report  
by Westinghouse



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
							89-1201		
							89-1202		
					5-9		89-1236		
							89-1237		
							89-1238		
		Two	2	2	5-10		93-1224		
							93-1225		
							93-1226		
					5-13		93-1227		
							93-1228		
							93-1229		
B 3.120	05 Pressurizer	One	2	2	5-11		89-1234		Nozzle Inner Radius
					5-9		89-1235		Nozzle Inner Radius
		Two	2	2	5-10		93-1237		Nozzle Inner Radius
					5-13		93-1236		Nozzle Inner Radius
		Three	2	0	5-10		95-1226		Nozzle Inner Radius
							95-1224		Nozzle Bore
							95-1225		Nozzle Bore
B 3.130	03 Steam Generator 1	One	1	1	3-9		89-1163		
							89-1164		
		Two	1	1	3-7		93-1017		
							93-1018		
							93-1019		
	04 Steam Generator 2	One	1	1	4-9		89-1149		
							89-1150		
							89-1151		
		Two	1	1	4-7		93-1028		
							93-1029		
							93-1030		
B 3.140	03 Steam Generator 1	One	1	1	3-9		89-1182		Nozzle Inner Radius
		Two	1	1	3-7		93-1009		Nozzle Inner Radius
	04 Steam Generator 2	One	1	1	4-9		89-1183		Nozzle Inner Radius
		Two	1	1	4-7		93-1010		Nozzle Inner Radius
B 4.12	02 Closure Head	One	8	8	CEDM			90-1032	
		Two	8	8	CEDM			92-1558	
		Three	9	9	CEDM			95-1579	
B 4.13	01 Reactor Vessel	One	5	5	ICI			90-1032	
		Two	5	5	ICI			92-1558	
		Three	6	6	ICI			95-1579	
B 4.20	05 PZR	One	3	3	HTRS			90-1032	
		Two	3	3	HTRS			92-1558	
		Three	3	3	HTRS			95-1579	
B 5.40	20 PZR Surge	One	1	1	5-34	89-1233	89-1073		
	29 PZR Spray	Two	1	1	5-33	93-1202	93-1105		
							93-1222		
							93-1368*		*RT Supplemental
	31 PZR Safety	One	1	1	5-29	87-1584	87-1526		
		Two	1	1	5-31	93-1197	93-1104		
B 5.130	21 Shutdown Cooling 1	One	1	1	6-11	89-1186	89-1170		
	22 Shutdown Cooling 2	Two	1	1	7-9	93-1095	93-1106		
							93-1096		





# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 5.140	23 Safety Injection 1A	One	1	1	9-10	89-1205	89-1107		
	24 Safety Injection 1B	Three	1	1	11-10	95-1026	95-1024		
	25 Safety Injection 2A	Two	1	1	13-10	93-1047	93-1008		
						93-1048			
	26 Safety Injection 2B	Three	1	1	15-9	95-1027	95-1025		
	27 PZR Spray 1A	One	1	1	9-11	90-1020	89-1108		
	28 PZR Spray 1B	Two	1	1	11-11		93-1395		
	32 Drain Line 1A	One	1	1	8-18		87-1546		
	33 Drain Line 1B	Two	1	1	10-18		92-1316		
	34 Drain Line 2A	Three	1	1	12-18		95-1032		
B 6.10	37 Charging Line	Two	1	1	13-11	93-1369*	93-1102		*RT Supplemental
	02 Closure Head Nuts	One	18	18	1 thru 18		89-1042		
							89-1045		
B 6.30		Two	18	18	19 thru 36	92-1373	92-1365		
							92-1480		PSE #25
		Three	18	18	37 thru 54		95-1419		
	02 Closure Head Studs	One	18	18	1 thru 18	89-1034	89-1041		
							89-1044		
B 6.50		Two	18	18	19 thru 36	92-1372	92-1364		
							92-1363		
						92-1544	92-1543		PSE #8
		Three	18	18	37 thru 54	95-1339	95-1433		
	02 Closure Head Washers	One	18	18	1 thru 18		89-1043		
B 6.180		Two	18	18	19 thru 36		92-1366		
							92-1481		PSE #25
		Three	18	18	37 thru 54		95-1340		
	16 RCP 1A Flange Studs	One	5	5	1 thru 16	87-1640	87-1633	87-1632	Visual/IEB 82-02
							89-1010		
							89-1011		
		Two	5	5	1 thru 16	93-1187		93-1158	
	17 RCP 1B Flange Studs	One	5	5	1 thru 16	86-185	86-186		PSE
						87-1641	87-1619	87-1618	Visual/IEB 82-02
							87-1634	87-1635	Visual/IEB 82-02
B 6.190							89-1010		
							89-1011		
		Two	5	5	1 thru 16	93-1188		93-1160	
	18 RCP 2A Flange Studs	One	5	5	1 thru 16	87-1642	87-1613	87-1614	Visual/IEB 82-02
							89-1010		
							89-1011		
		Two	5	5	1 thru 16	93-1189		93-1159	
	19 RCP 2B Flange Studs	One	5	5	1 thru 16	87-1643	87-1616	87-1617	Visual/IEB 82-02
							89-1010		
							89-1011		
B 6.200	NA RCP Flange	Two	5	5	1 thru 16	93-1190		93-1161	
	16 RCP 1A Nuts & Rings	One	1	1			89-1033		RCP 1A
B 6.200		One	5	5	1 thru 16		87-1539		
		Two	5	5	1 thru 16		93-1158		
	17 RCP 1B Nuts & Rings	One	5	5	1 thru 16		87-1540		
		Two	5	5	1 thru 16		93-1160		
	18 RCP 2A Nuts & Rings	One	5	5	1 thru 16		87-1541		
		Two	5	5	1 thru 16		93-1159		



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 7.20	19 RCP 2B Nuts & Rings	One	5	5	1 thru 16			87-1542	
		Two	5	5	1 thru 16			93-1161	
	05 PZR Manway Studs & Nuts	One	20	20	20 pairs		90-1029	90-1030	
		Two	20	20	20 pairs		92-1489	92-1490	Reject (1 nut)
B 7.30	03 SG 1 Manway Studs & Nuts	Three	0	0	20 studs			92-1528	
		One	40	40	40 pairs		87-1594	87-1592	
								87-1611	
								87-1615	
								89-1009	
								89-1022	
		Two	40	40	40 pairs		92-1476	92-1478	Reject (2 studs)
							92-1488	92-1487	PSE (2 studs)
	04 SG 2 Manway Studs & Nuts	Three	40	40	40 pairs			93-1162	
		One	40	40	40 pairs		87-1595	87-1593	
								89-1009	
								89-1022	
		Two	40	40	40 pairs		92-1477	92-1479	
								93-1163	
		Three	40	39	39 pairs			95-1269	
				01	01 pair			95-1296	PSE
B 7.50	31 PZR PSV Studs & Nuts	One	1	1	PSV200		87-1590	87-1589	
								87-1637	
								87-1638	
								87-1639	
								88-1008	
								91-1001	
					PSV201		87-1590	87-1589	
								88-1008	
								91-1001	
								91-1040	
					PSV202		87-1590	87-1589	
								88-1008	
								90-1034	
								91-1001	
					PSV203		87-1590	87-1589	
							87-1591	88-1008	
								90-1034	
								91-1040	
		Two	1	1	PSV200		92-1470	92-1384	
							92-1482	92-1527	PSE (1 stud)
								93-1164	
					PSV201		92-1471	92-1385	
								93-1164	
					PSV202		92-1472	92-1386	Reject (1 nut)
							92-1482		
								92-1527	PSE (2 nuts)
								93-1164	
					PSV203		92-1473	92-1387	Reject (1 nut)



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
92-1482									
								92-1527	PSE (2 nuts)
								93-1164	
								93-1165	PSE (1 stud & 2 Nuts)
		Three	2	2	PSV 200			95-1431	Reject
								95-1432	PSE
								95-1435	PSE
					PSV 201			95-1431	Reject
								95-1432	PSE
					PSV 202			95-1431	Reject
								95-1432	PSE
					PSV 203			95-1431	Reject
								95-1432	PSE
	37 Charging Line Flange	One	1	1	V435			87-1576	
B 7.60	16 RCP 1A Seal Cover	One	5	5	1 thru 16			87-1539	
	Bolting	Two	5	5	1 thru 16	93-1185		93-1158	
		Three	6	6	1 thru 16			95-1539	
	17 RCP 1B Seal Cover	One	5	5	1 thru 16			87-1540	
	Bolting	Two	5	5	1 thru 16	93-1184		93-1160	
		Three	6	6	1 thru 16			95-1539	
	18 RCP 2A Seal Cover	One	5	5	1 thru 16			87-1541	
	Bolting	Two	5	5	1 thru 16	93-1183		93-1159	
		Three	6	6	1 thru 16			95-1539	
	19 RCP 2B Seal Cover	One	5	5	1 thru 16			87-1542	
	Bolting	Two	5	5	1 thru 16	93-1182		93-1161	
		Three	6	6	1 thru 16			95-1539	
B 7.70	21 Shutdown Cooling Loop 1	One	1	1	UV653			87-1601	
	22 Shutdown Cooling Loop 2	One	1	1	UV654			89-1074	
		Two	1	1	UV652			93-1152	
	23 Safety Injection 1A	One	1	1	V237			89-1106	
		Two	2	2	V235			93-1155	
					UV634			93-1156	
	24 Safety Injection 1B	One	1	1	V543			87-1467	
		Two	2	2	V245			93-1151	
					UV644			93-1150	
	25 Safety Injection 2A	One	1	1	V540			87-1469	
		Two	1	1	V217			93-1034	
	26 Safety Injection 2B	One	1	1	V225			87-1472	
		Two	2	2	V541			93-1154	
					UV624			93-1153	
	27 PZR Spray 1A	Two	1	1	PV100E			93-1383	
	28 PZR Spray 1B	One	2	2	V241			87-1575	
					V242			87-1575	
		Two	1	1	PV100F			93-1384	
	31 PZR Safeties	One	1	1	PSV200			87-1638	
								87-1639	
		Two	1	1	PSV200			92-1557	
					PSV201			92-1557	
					PSV202			92-1557	
					PSV203			92-1557	
	32 Drain 1A	One	2	2	V234			87-1543	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	33 Drain 1B	Two	2	2	V334 V235 V335			87-1543 92-1315 92-1315	
	34 Drain 2A	Two	2	2	V233 V333			92-1318 92-1318	
	35 Drain Line 2B	Three	2	2	V232 V332			95-1034 95-1034	
	36 Letdown Line	Three	2	2	UV515 UV516			95-1114 95-1114	
	37 Charging Line	One	1	1	PDV240			87-1602	
	38 Drain Line Loop 1	One	1	1	V215			89-1153	
		Three	1	1	V216			95-1115	
	39 HPSI Loop 1	One	1	1	V523			89-1075	
		Two	2	2	V522 V957			92-1322 92-1322	
	40 HPSI Loop 2	Two	1	1	V532			92-1447	
		Three	2	2	V533 V958			95-1129 95-1420	
B 7.80	02 Closure Head	One	1	1	CEDM 92 CEDM 96			87-1612 87-1610	
B 8.20	05 Pressurizer	One	33%	33%	5-1	89-1196	89-1187		
						89-1197			
						89-1198			
		Two	33%	33%	5-1	93-1132	93-1090		
						93-1133			
						93-1134			
		Three	34%	100%	5-1	95-1126	95-1156		Re-exam (U2 ind perf 100% of weld U1)
						95-1597			
						95-1127			
B 8.30	03 SG1	One	33%	33%	3-1	89-1166	89-1102		
						89-1167			
						89-1168			
		Three	34%	34%	3-1	95-1002	95-1098		
						95-1003			
						95-1004			
	04 SG1	Two	33%	33%	4-1	93-1011			
						93-1013			
						93-1016			
B 9.11 & B 9.12	06 RCS Piping	One	7	7	17-2	90-1017	89-1169		
						90-1018			
						90-1019			
					1-31	89-W*	92-1448		*Seperate Report by Westinghouse
					1-34	89-W*	92-1448		
					3-30	89-1195	89-1072		
					4-30	89-1152	89-1071		
					6-7	89-W*	92-1448		
					7-7	89-W*	92-1448		
		Two	6	6	16-1	93-1063	93-1050		
						93-1064			
						93-1065			
					9-1	93-1066	93-1050		





# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
							93-1067		
							93-1068		
					17-1		93-1078 93-1050		
							93-1079		
							93-1080		
					11-1		93-1081 93-1050		
							93-1082		
							93-1083		
					18-1		93-1072 93-1270		
							93-1073		
							93-1074		
					13-1		93-1075 93-1093		
							93-1076		
							93-1077		
					19-1		93-1084 93-1270		
							93-1085		
							93-1086		
					15-1		93-1087 93-1093		
							93-1088		
							93-1089		
					3-28		93-1057 93-1042		
							93-1058		
							93-1059		
					6-1		93-1060 93-1042		
							93-1061		
							93-1062		
					4-28		93-1051 93-1042		
							93-1052		
							93-1053		
					7-1		93-1054 93-1042		
							93-1055		
							93-1056		
20	Pressurizer Surge	One	1	1	20-1		89-1232 89-1073		
21	Shutdown Cooling 1	One	2	2	21-18		89-1184 89-1170		
					21-20		89-1185 89-1070		
		Two	2	2	21-14		92-1337 92-1312		
					21-15		92-1338 92-1312		
		Three	2	2	21-3		95-1006 95-1005		
					21-4		95-1007 95-1005		
22	Shutdown Cooling 2	One	2	2	22-11		89-1144 89-1061		
					22-23		89-1145 89-1061		
		Two	2	2	22-18		92-1390 92-1388		
					22-1		93-1094 93-1106		
		Three	3	3	22-4		95-1017 95-1015		
					22-5		95-1018 95-1016		
					22-6		95-1019 95-1016		
23	Safety Injection 1A	One	3	3	23-1		89-1206 89-1107		
					23-2		89-1207 89-1171		
					23-4		89-1208 89-1107		
		Three	2	2	23-24		95-1151 95-1121		
					23-26		95-1150 95-1099		



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 9.21 & B 9.22	24 Safety Injection 1B	Two	3	3	24-14	92-1290	92-1235		
					24-16	92-1291	92-1235		
					24-19	92-1292	92-1235		
		Three	2	2	24-1	95-1028	95-1024		
					24-2	95-1029	95-1024		
	25 Safety Injection 2A	One	2	2	25-26	87-1509	87-1468		
					25-27	87-1510	87-1468		
		Two	3	3	25-1	93-1046	93-1008		
					25-4	93-1044	93-1008		
					25-6	93-1043	93-1008		
	26 Safety Injection 2B	One	2	2	26-8		86-194		PSE
					26-9	87-1581	87-1485		
					26-11	87-1558	87-1485		
		Two	1	1	26-12	92-1293	92-1234		
					26-1	95-1030	95-1025		
					26-2	95-1031	95-1025		
	29 Combined PZR Spray	One	2	2	29-10	87-1582	87-1531		
					29-11	87-1583	87-1531		
	31 PZR Safeties	One	1	1	29-1	93-1203	93-1105		
					31-1	87-1585	87-1525		
		Two	2	2	31-9	93-1198	93-1104		
					31-10	93-1199	93-1104		
	36 Letdown Line	Two	1	1	36-75	93-1267	93-1223		
	27 Pressurizer Spray 1A	One	3	3	27-42		89-1108		
					27-43		89-1108		
					27-44		89-1108		
		Two	3	3	27-8		93-1381		
					27-10		93-1381		
					27-16		93-1381		
	28 Pressurizer Spray 1B	One	4	4	28-31		87-1552		
					28-32		87-1552		
					28-39		87-1574		
		Two	3	3	28-40		87-1574		
					28-9		93-1382		
					28-11		93-1382		
	30 Aux PZR Spray	One	2	2	28-20		93-1382		
					30-1	89-1051	89-1050		Vol/IEB 88-08
						89-1052			
					30-2	89-1051	89-1050		Vol/IEB 88-08
					30-2	89-1052			
					30-7		87-1535		
		Two	2	2	30-13		87-1535		
					30-5		92-1349		
					30-6		92-1349		
					30-7		92-1352		
					30-13		92-1352		
	32 Drain Line 1A	One	2	2	32-1		87-1546		
					32-2		87-1546		
	33 Drain Line 1B	Two	2	2	33-1		92-1316		
					33-5		92-1316		
	34 Drain Line 2A	Three	2	2	34-1"		95-1032		



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# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	35 Drain Line 2B	Three	2	2	34-2 35-4 35-5		95-1032 95-1033 95-1033		
	36 Letdown	One	4	4	36-8 36-9 36-28 36-35		87-1580 87-1580 87-1609 87-1609		
		Two	6	6	36-25 36-26 36-43 36-44 36-45 36-80		93-1223 93-1223 93-1223 93-1223 93-1223 93-1242		
	37 Charging	One	5	5	37-41 37-42 37-45 37-46 37-47		87-1536 87-1536 87-1536 87-1536 87-1536		
		Two	6	6	37-28 37-29 37-30 37-32 37-33 37-34		93-1101 93-1101 93-1147 93-1149 93-1101 93-1101		Reject Re-exam Reject Re-exam
		Three	6	0	37-30 37-32		95-1445 95-1445		Re-exam Re-exam
	38 Drain Line Loop 1	Two	1	1	38-1		93-1049		
	39 HPSI Loop 1	One	2	2	39-1 39-5		87-1488 87-1488		
		Two	3	3	39-12 39-13 39-24		92-1321 92-1321 92-1321		
		Three	4	4	39-25 39-28 39-29 39-33A		95-1037 95-1037 95-1037 95-1037		
	40 HPSI Loop 2	One	3	3	40-1 40-2 40-3		89-1062 89-1062 89-1062		
		Two	2	2	40-6 40-7		92-1327 92-1327		
		Three	2	2	40-21 40-23		95-1128 95-1128		
B 9.31	06 RCS Piping	One	1	1	9-8	89-1231	89-1209		
		Two	1	1	13-8	93-1069 93-1070 93-1071	93-1093		
B 9.32	06 RCS Piping	One	1	1	8-17		87-1559		
		Two	1	1	13-9		93-1093		



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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 9.40	22 SD Cooling Loop 2	One	1	1	22-7A		89-1061		
	36 Letdown Line	Two	2	2	36-41		93-1223		
					36-76		93-1223		
	32 Drain Line 1A	One	1	1	32-6		87-1546		
	33 Drain Line 1B	Two	1	1	33-6		92-1330		
					33-8		92-1316		
					33-9		92-1316		
	34 Drain Line 2A	Two	1	1	34-6		92-1317		
					34-8		92-1317		
					34-9		92-1317		
B 10.10	35 Drain Line 2B	Three	1	1	35-6		95-1033		
	38 Drain Line Loop 1	One	1	1	38-5		89-1154		
	22 SD Cooling Loop 2	Two	1	1	SI-193-H23		92-1389		
	24 Safety Injection 1B	Three	1	0					DCN/Snub Removed
	25 Safety Injection 2A	Three	1	1	SI-160-H5		95-1182		
	26 Safety Injection 2B	One	1	1	SI-179-H10		87-1485		
	36 Letdown	One	1	1	RC-91-H5		87-1609		
		Two	1	1	RC-91-H6		93-1242		
B 12.20	16 RCP Casing	One	1	1	RCP 1A			89-1033	
B 13.10	01 Reactor Vessel	One	100%	100%	Acc Areas			87-1596	
								87-1597	
		Two	100%	100%	Acc Areas			92-1542	
		Three	100%	100%	Acc Areas			95-1574	
B 14.10	02 Closure Head-CEDM Upper Housing							95-1575	
		One	2	2	9-84	89-1053			
					9-88	89-1055			
		Two	2	2	9-83	93-1308			
					9-91	93-1307			
		Three	3	3	9-89	95-1436			
					9-90	95-1437			
	CEDM Lower Housing (Tube)				9-97	95-1438			
		One	2	2	10-84	89-1054			
					10-88	89-1056			
		Two	2	2	10-83	93-1310			
					10-91	93-1309			
		Three	3	3	10-89	95-1439			
					10-90	95-1440			
					10-97	95-1441			
B 15.10 & B 15.11	01,02 Reactor Vessel	One	All	All	Press Bound			88-1007	
								90-1032	
		Two	All	All	Press Bound			92-1558	
								93-1001	
								93-1437	
B 15.20 & B 15.21	05 PZR	Three	All	All	Press Bound			94-1001	
								95-1579	
		One	All	All	Press Bound			88-1007	
								90-1032	
		Two	All	All	Press Bound			92-1558	
								92-1559	
								93-1001	
								93-1437	





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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 15.30 & B 15.31	03 SG1	Three	All	All	Press Bound			94-1001 95-1578 95-1579	
		One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
		Three	All	All	Press Bound			94-1001 95-1578 95-1579	
		One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
	04 SG2	Three	All	All	Press Bound			94-1001 95-1578 95-1579	
		One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
		Three	All	All	Press Bound			94-1001 95-1578 95-1579	
		One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
B 15.50 & B 15.51	All RCS Piping	One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
		Three	All	All	Press Bound			94-1001 95-1579	
	16 RCP 1A	One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
		Three	All	All	Press Bound			94-1001 95-1579	
	17 RCP 1B	One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
		Three	All	All	Press Bound			94-1001 95-1579	
	18 RCP 2A	One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001 93-1437	
		Three	All	All	Press Bound			94-1001 95-1579	
	19 RCP 2B	One	All	All	Press Bound			88-1007 90-1032	
		Two	All	All	Press Bound			92-1558 93-1001	



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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 15.70 & B 15.71	All RCS Valves	Three	All	All	Press Bound			93-1437 94-1001 95-1579	
		One	All	All	Class 1			88-1007 90-1032	
		Two	All	All	Class 1			92-1558 93-1001 93-1437 94-1001 95-1579	
		Three	All	All	Press Bound				
		One	1	1	N/A	89-1030	89-1029		*FLYWHEELS MOVED FROM UNIT 1 TO UNIT 2 DURING U1R2.
						89-1032			
						89-1001*			
						89-1002*			
		Two	1	1	N/A	93-1168 93-1169			
		One	1	1	N/A	89-1023	89-1028		
						89-1024 89-1005* 89-1006*			
		Two	1	1	N/A	93-1166 93-1167			
		One	1	1	N/A	89-1031	89-1029		
BFLYWH	16 RCP 1A Flywheel								
	17 RCP 1B Flywheel								
	18 RCP 2A Flywheel								
	19 RCP 2B Flywheel								
BIWF	03 SG1	One	1	1	3-40			87-1549	
	04 SG2	Two	1	1	4-40			93-1260	
	16 RCP 1A	One	2	2	16-20			87-1458	
					16-21			87-1458	
		Two	4	4	16-12			92-1298	
					16-13			92-1299	
					16-14			92-1300	
					16-15			92-1301	
		Three	4	4	16-16			95-1540	
					16-17			95-1540	
					16-18			95-1540	
					16-19			95-1540	
	17 RCP 1B	One	2	2	17-20			87-1459	
					17-21			87-1459	
		Two	4	4	17-12			92-1302	
					17-13			92-1303	
					17-14			92-1304	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
18 RCP 2A	Three	4	4	17-15				92-1305	
				17-16				95-1541	
				17-17				95-1541	
				17-18				95-1541	
				17-19				95-1541	
	One	4	4	18-12				87-1460	
				18-13				87-1460	
				18-14				87-1460	
				18-15				87-1460	
				18-20				92-1306	
	Two	2	2	18-21				92-1307	
				18-16				95-1542	
	Three	4	4	18-17				95-1542	
				18-18				95-1542	
				18-19				95-1542	
				19-12				87-1461	
				19-13				87-1461	
19 RCP 2B	One	4	4	19-14				87-1461	
				19-15				87-1461	
				19-20				92-1308	
				19-21				92-1309	
				19-16				95-1543	
	Two	2	2	19-17				95-1543	
				19-18				95-1543	
				19-19				95-1543	
				RC-28-H1				87-1445	
				RC-28-H2				87-1435	
	Two	2	2	RC-28-H842				92-1310	
				RC-28-H844				92-1311	Reject
								92-1546	Re-exam
	Three	3	3	RC-28-H3				95-1106	
				RC-28-H4				95-1107	Reject
								95-1536	Re-exam
20 PZR Surge	One	2	2	RC-28-H843				95-1108	
				SI-240-H10				87-1462	
				SI-240-H11				87-1463	
				SI-240-H13				87-1464	
				RC-51-H821				89-1157	
	Two	2	2	RC-51-H1				89-1155	
				RC-51-H2				89-1156	Reject
								90-1033	Re-exam
				RC-51-H3				89-1172	
				SI-240-H9				91-1004	
	Three	3	3	RC-51-H822				92-1264	
				RC-51-H4				92-1262	
				RC-51-H5				92-1263	
				SI-240-H823				92-1267	
				SI-240-H824				92-1268	
21 Shutdown Cooling 1	One	7	7	SI-240-H12				92-1266	
				SI-240-H2				92-1265	
				SI-240-H6				92-1529	PSE/Snub.Replace
	Two	7	7						
	Three	3	3						



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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Three	8	8	SI-240-H1			95-1008	
					SI-240-H3			95-1009	
					SI-240-H4			95-1010	
					SI-240-H5			95-1011	
					SI-240-H6			95-1012	
					SI-240-H7			95-1013	
					SI-240-H8			95-1014	
					SI-240-H9			95-1109	
	22 Shutdown Cooling 2	One	4	4	SI-193-H17			89-1077	
					SI-193-H19			89-1109	Reject
								89-1241	Re-exam
					RC-68-H5			92-1236	
					RC-68-H6			92-1237	
		Two	5	5	SI-193-H20			92-1240	
					SI-193-H23			92-1374	
					SI-193-H25			92-1241	
					SI-193-H8			92-1238	Reject
								92-1362	Re-exam
		Three	4	4	RC-68-H1			95-1020	
					RC-68-H2			95-1021	
					RC-68-H3			95-1022	
					RC-68-H4			95-1023	
					SI-193-H9			92-1239	
	23 Safety Injection 1A	One	1	1	SI-207-H5			89-1110	
		Two	2	2	SI-207-H3			92-1547	PSE
					SI-207-H7			93-1178	
					SI-207-H11			93-1157	
		Three	3	3	SI-207-H1			95-1424	
					SI-207-H2			95-1425	
					SI-207-H3			95-1426	PSE/Snub Reduction
	24 Safety Injection 1B	One	2	2	SI-223-H3			87-1437	
					SI-223-H4			87-1436	
					SI-223-H7			86-209	PSE
					SI-223-H8			86-210	PSE
		Two	2	2	SI-223-H1			92-1242	
								92-1541	PSE/Snub.Reduction
					SI-223-H2			92-1243	
		Three	4	4	SI-223-H5			95-1427	
					SI-223-H6			95-1428	
					SI-223-H7			95-1429	
					SI-223-H8			95-1430	
	25 Safety Injection 2A	One	2	2	SI-156-H7			87-1623	
					SI-156-H9			87-1508	
		Two	3	3	SI-160-H1			93-1045	
					SI-160-H2			93-1145	DCN/SnubRemoved
					SI-160-H3			93-1146	DCN/SnubRemoved
		Three	0		SI-160-H5			95-1183	DCN/Snub Removed
	26 Safety Injection 2B	One	3	3	SI-179-H7			86-207	PSE
					SI-179-H8			86-208	PSE
					SI-179-H9			87-1473	
					SI-179-H10			87-1486	





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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
27 PZR Spray 1A		Two	3	3	SI-179-H11			87-1487	
					SI-175-H21			92-1271	
								92-1531	PSE/Snub.Reduction
		Three	2	2	SI-175-H22			92-1272	
					SI-175-H23			92-1273	
					SI-179-H7			95-1110	
		One	9	9	SI-179-H8			95-1111	
					RC-62-H26			89-1181	
					RC-62-H27			87-1550	
		Two	9	9	RC-62-H28			87-1551	
					RC-62-H29			87-1560	
					RC-62-H30			87-1561	
					RC-62-H31			87-1562	
					RC-62-H32			87-1563	
					RC-62-H33			87-1564	
					RC-62-H34			87-1565	
								87-1624	
					RC-62-H31			92-1523	PSE/Snub.Replace
					RC-16-H15			93-1398	
					RC-16-H5			93-1397	
					RC-16-H6			93-1370	
					RC-16-H7			93-1371	
					RC-16-H8			93-1372	
		Three	8	0	RC-62-H31			93-1363	PSE
					RC-62-H35			93-1373	
					RC-62-H34			93-1399	PSE
					RC-62-H34			93-1374	
					RC-62-H22			93-1400	PSE
					RC-62-H37			93-1375	Reject
								93-1422	Re-exam
					RC-62-H38			93-1376	PSE
					RC-62-H31			95-1443	PSE
					RC-62-H34			95-1444	PSE
					RC-62-H37			95-1175	Re-exam
		One	9	9	RC-17-H24			87-1566	
					RC-17-H34			87-1567	
					RC-17-H36			87-1568	
					RC-17-H38			87-1569	
					RC-17-H39			87-1570	
								89-1046	PSE/Replacement
					RC-17-H40			87-1571	
					RC-17-H41			87-1572	
					RC-17-H42			87-1573	
					RC-18-H11			87-1625	PSE
					RC-17-H35			92-1351	
					RC-17-H41			92-1522	PSE/Snub.Replace
28 PZR Spray 1B		Two	8	8				93-1401	PSE
					RC-17-H43			93-1377	
					RC-17-H44			93-1378	
					RC-17-H45			93-1379	
					RC-17-H46			93-1380	



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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					RC-18-H9			93-1402	
					RC-18-H10			93-1403	
					RC-18-H11			93-1404	
					RC-18-H12			93-1405	
29 PZR Combined Spray	One	2	2		RC-18-H16			87-1529	
					RC-18-H18			87-1530	
								89-1039	PSE/Replacement
	Two	1	1		RC-18-H17			93-1144	
30 Aux. PZR Spray	Two	0			CH-521-HA			93-1366	PSE
	Three	2	2		CH-521-HA			95-1112	
					CH-521-HB			95-1113	
32 Drain Line 1A	One	2	2		RC-60-HA			87-1544	
					RC-60-HB			87-1545	
	Three	0	0		RC-60-HA			95-1573	PSE
33 Drain Line 1B	Two	2	2		RC-58-HA			92-1314	
					RC-58-HB			92-1313	
34 Drain Line 2A	One	0			RC-96-HB			89-1040	PSE/Replacement
	Two	2	2		RC-96-HA			92-1319	
					RC-96-HB			92-1320	
35 Drain Line 2B	Three	2	2		RC-89-HE			95-1035	
					RC-89-HF			95-1036	
36 Letdown	One	9	9		RC-91-H1			87-1607	
					RC-91-H5			87-1608	
					RC-91-HAA			87-1446	
					RC-91-HAK			89-1078	Reject
								90-1025	Re-exam
					RC-91-HB			87-1447	
					RC-91-HD			87-1448	
					RC-91-HE			87-1449	
					RC-91-HY			87-1450	
					RC-91-HZ			87-1451	
	Two	10	10		RC-91-H2			93-1249	
					RC-91-H6			93-1248	
					RC-91-HAJ			93-1247	
					RC-91-HAP			93-1251	
					RC-91-HAQ			93-1250	
					RC-91-HP			93-1246	
					RC-91-HQ			93-1396	
					RC-91-HR			93-1253	
					RC-91-HS			93-1252	
					RC-91-HT			93-1254	
37 Charging Line	One	14	14		CH-5-H2			87-1553	
								89-1047	PSE/Replacement
					CH-5-H3			87-1554	
					CH-5-H6			89-1048	PSE/Replacement
					CH-5-H10			89-1049	PSE/Replacement
					CH-5-H24			89-1058	PSE/Replacement
					CH-5-H25			87-1578	
					CH-5-H26			87-1465	
					CH-5-H27			87-1466	
					CH-5-H28			87-1474	



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## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					CH-5-H30			87-1475	
					CH-5-H34			87-1476	
					CH-5-H35			87-1477	
					CH-5-H36			87-1478	
					CH-5-H42			87-1579	
					CH-5-H43			87-1555	
					CH-5-H44			87-1556	
					CH-5-HAA			87-1577	
		Two	14	14	CH-5-H6			92-1520	PSE/Snub.Replace
					CH-5-H10			92-1521	PSE/Snub.Replace
					CH-5-H17			92-1545	PSE/Snub.Reduction
					CH-5-H22			92-1548	PSE/Snub.Reduction
					CH-5-H32			92-1549	PSE/Reject
								92-1552	PSE/Re-exam
					CH-5-H13			93-1262	
					CH-5-H16			93-1256	
					CH-5-H18			93-1264	
					CH-5-H19			93-1263	
					CH-5-H20			93-1265	
					CH-5-H21			93-1266	
					CH-5-H23			93-1259	
					CH-5-H24			93-1258	
					CH-5-H37			93-1261	
					CH-5-H45			93-1255	
					CH-5-H46			93-1257	
38 Drain Loop 1		One	0		RC-70-HA			89-1059	PSE/Replacement
39 HPSI Loop 1		One	4	4	SI-248-H19			87-1636	PSE
					SI-248-H26			87-1489	
					SI-248-H27			87-1490	
					SI-248-H28			87-1491	
					SI-248-H30			87-1492	
		Two	5	5	SI-248-H17			92-1244	
					SI-248-H18			92-1270	Reject
								92-1519	Reject
								92-1530	Re-exam
					SI-248-H19			92-1245	
					SI-248-H20			92-1383	
					SI-248-H29			92-1246	
		Three	5	5	SI-248-H21			95-1116	
					SI-248-H22			95-1117	
					SI-248-H23			95-1118	
					SI-248-H24			95-1119	
					SI-248-H25			95-1120	
40 HPSI Loop 2		One	3	3	SI-199-H13			89-1079	
					SI-199-H14			89-1080	
					SI-199-H21			89-1081	
		Two	4	4	SI-199-H15			92-1274	
					SI-199-H16			92-1275	
					SI-199-H17			92-1276	
					SI-199-H18			92-1277	
		Three	2	2	SI-199-H22			95-1131	



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
C 1.10	41 SG 1	One	1	1	SI-199-H23 41-3 (50%) 41-4 (50%)			95-1130	
C 1.20	41 SG 1	One	50%	50%	41-5				
C 1.30	41 SG 1	One	50%	50%	41-1				
C 2.21 & C 2.22	41 SG 1	One	1	1	41-34 41-9 41-10 41-9 41-10				
C 2.21 & C 2.22	42 SG 2	Two	50%	50%	42-1				
C 2.21 & C 2.22	84 SD Cooling A	Two	50%	50%	74-123 74-124 74-1221 75-79 75-1171 75-1174 41-34 41-9 41-10 41-9 41-10 42-35 74-122				
C 2.21 & C 2.22	87 SD Cooling B	Three	50%	50%	75-78 75-1166 75-1170 75-1173 41-5 41-1 42-1 68-1 68-2 69-2 74-124 75-79 41-34 41-9 41-10 41-9 41-10 42-35 74-122				
C 2.21 & C 2.22	87 SD Cooling B	Three	0	0	41-9 41-10 42-35 74-122				





## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports. Surf	Visual	Remarks
	87 SD Cooling B	Three	1	1	75-76	92-1216 95-1165 95-1169 95-1172 95-1168 95-1194	95-1193		Nozzle Inner Radius    Nozzle Inner Radius Nozzle Inner Radius
C 3.10	41 SG 1	One	1	1	41-42		90-1001		
	42 SG 2	Two	1	1	42-43		93-1191		
	68 Regen. HT Exch.	Two	1	1	68-10		93-1415		Reject
							93-1421		Re-exam
		Three	1	0	68-10		95-1181		Re-exam
C 3.20	43 MS SG 1 90	One	1	1	SG-36-H17		87-1515		
		Two	1	1	SG-36-H12		93-1116		
	44 MS SG 1 270	Two	3	3	SG-33-H13		93-1360		Reject (1 bolt)
							93-1362		Reject (2 bolts)
								93-1419	PSE/Replace
					SG-33-H14		93-1115		
					SG-33-H15		93-1115		
					SG-33-H16		93-1115		
		Three	2	0	SG-33-H13			95-1434	Re-exam
	45 MS SG 2 270	One	3	3	SG-42-H14		87-1538		
					SG-42-H15		87-1517		
					SG-42-H16		87-1517		
		Two	1	1	SG-42-H12		93-1099		
	46 MS SG 2 90	Two	2	2	SG-45-H12		93-1100		
					SG-45-H13		93-1365		
							93-1361		
								93-1420	PSE/Replace
	55 FW SG 2	One	1	1	SG-5-H9		89-1076		
	62 Aux. FW SG 1	Two	1	1	AF-18-H1		93-1091		
	64 Blowdown SG 1	One	3	3	SG-39-H15		89-1064		
					SG-39-H17		89-1064		
					SG-53-H1		89-1130		
		Two	1	1	SG-39-H1		93-1436		
	65 Blowdown SG 2	One	2	2	SG-48-H20		89-1067		
					SG-52-H1		89-1065		
		Two	3	3	SG-48-H14		93-1285		
					SG-48-H16		93-1285		
					SG-48-H26		93-1285		
	71 LSPSI Discharge 1	One	1	1	SI-87-H11		87-1304		
	76 CS Suction 1	One	1	1	SI-9-H4		87-1268		
	77 CS Discharge A	Three	1	1	SI-79-H7		95-1418		
	80 CS Discharge B	Three	1	1	SI-119-H5		95-1049		
	82 SD Cooling HX A	Three	1	1	SI-78-H4		95-1326		
	83 SD Cooling 1	Two	2	2	SI-87-H4		92-1143		
					SI-90-H11		92-1144		
		Three	2	2	SI-70-H1		95-1328		
					SI-70-H6		95-1329		
	86 SD Cooling HX B	Three	2	2	SI-72-H1		95-1187		
					SI-72-H12		95-1053		
	88 SD Cooling 2	One	1	1	SI-72-H13		87-1324		



# APPENDIX A

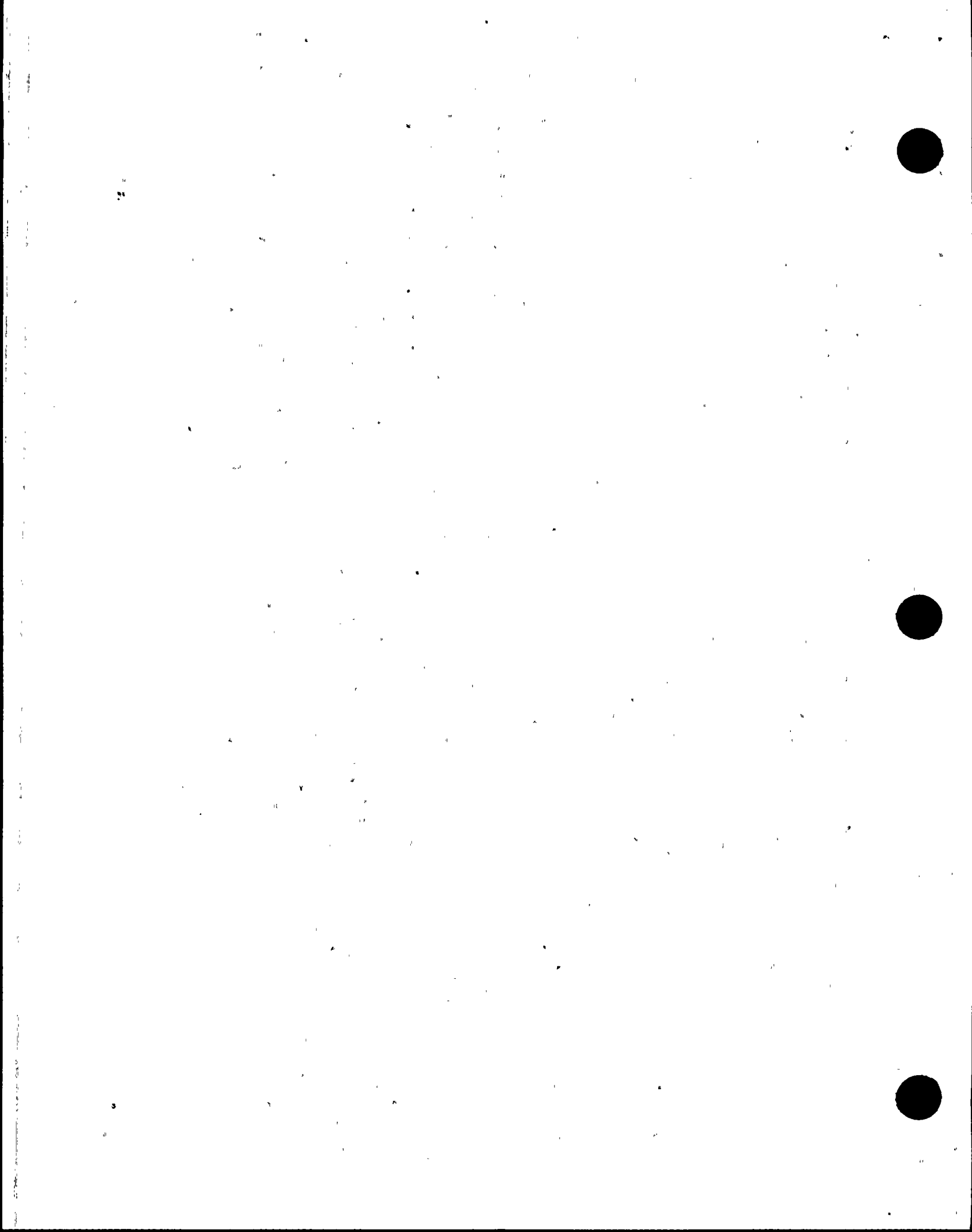
## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	89 LPSI Suction 2	One	1	1	SI-194-H14		87-1322		
	91 SD Cooling 1	One	4	4	SI-70-H9		87-1335		
					SI-70-H11		87-1336		
					SI-70-H12		87-1335		
					SI-70-H16		87-1337		
	92 LPSI Suction 1	One	1	1	SI-241-H21		87-1334		
		Two	2	2	SI-239-H1		92-1170		
					SI-241-H16		92-1148		
	93 CS Discharge 1	Two	1	1	SI-89-H13		92-1142		
	94 SD Cooling A	Two	2	2	SI-70-H5		92-1361		
					SI-70-H8		92-1222		
	95 LPSI Suction B	Three	1	1	SI-194-H6		95-1079		
	96 LPSI Header 1A	Three	1	1	SI-202-H17		95-1199		
	99 LPSI 2B	Two	1	1	SI-174-H13		92-1379		
	100 CSP-LPSI Suction 1	One	1	1	SI-369-H1		87-1433		
		Two	1	1	84-5		92-1483		
C 3.30	72 LPSI Pump A	One	2	2	72-3A		87-1362		
					72-3B		87-1362		
		Two	1	1	72-3A		92-1230		
					72-3B		92-1230		
					72-3C		92-1230		
	75 LPSI Pump B	Two	1	1	73-3A		92-1509		
					73-3B		92-1509		
					73-3C		92-1509		
		Three	2	2	73-3B		95-1218		
					73-3C		95-1218		
	78 CS Pump A	One	2	2	80-3A		87-1261		
					80-3B		87-1261		
		Two	1	1	80-3A		92-1224		
					80-3B		92-1225		
					80-3C		92-1226		
	81 CS Pump B	Two	1	1	81-3A		92-1463		
					81-3B		92-1463		
					81-3C		92-1463		
		Three	2	2	81-3B		95-1221		
					81-3C		95-1222		
C 4.40	47 MS SG1 270	One	20	20	UV170	87-1375			Vol/IEB 79-13
	48 MS SG1 @ 90	One	20	20	UV180	87-1376			Vol/IEB 79-13
	49 MS SG 2 East	Three	20	20	UV171	95-1242			
	50 MS SG 2 West	Three	20	20	UV181	95-1243			
	56 FW SG1	Two	20	20	UV132	92-1501			
		Two	20	20	UV174	92-1500			
	57 FW SG 2	Three	20	20	UV137	95-1244			
		Three	20	20	UV177	95-1245			
C 5.11 & C5.12	58 Aux & FW SG 1	One	1	1	58-1	90-1004	90-1002		
		Two	2(5)	2(5)	58-12	92-1412	92-1378		
					58-13	92-1413	92-1378		Reject (surf.)
							92-1475		Re-exam
					58-16	92-1339	92-1343		
					58-16A	92-1340	92-1343		
					58-1	93-1200	93-1026		

## APPENDIX A

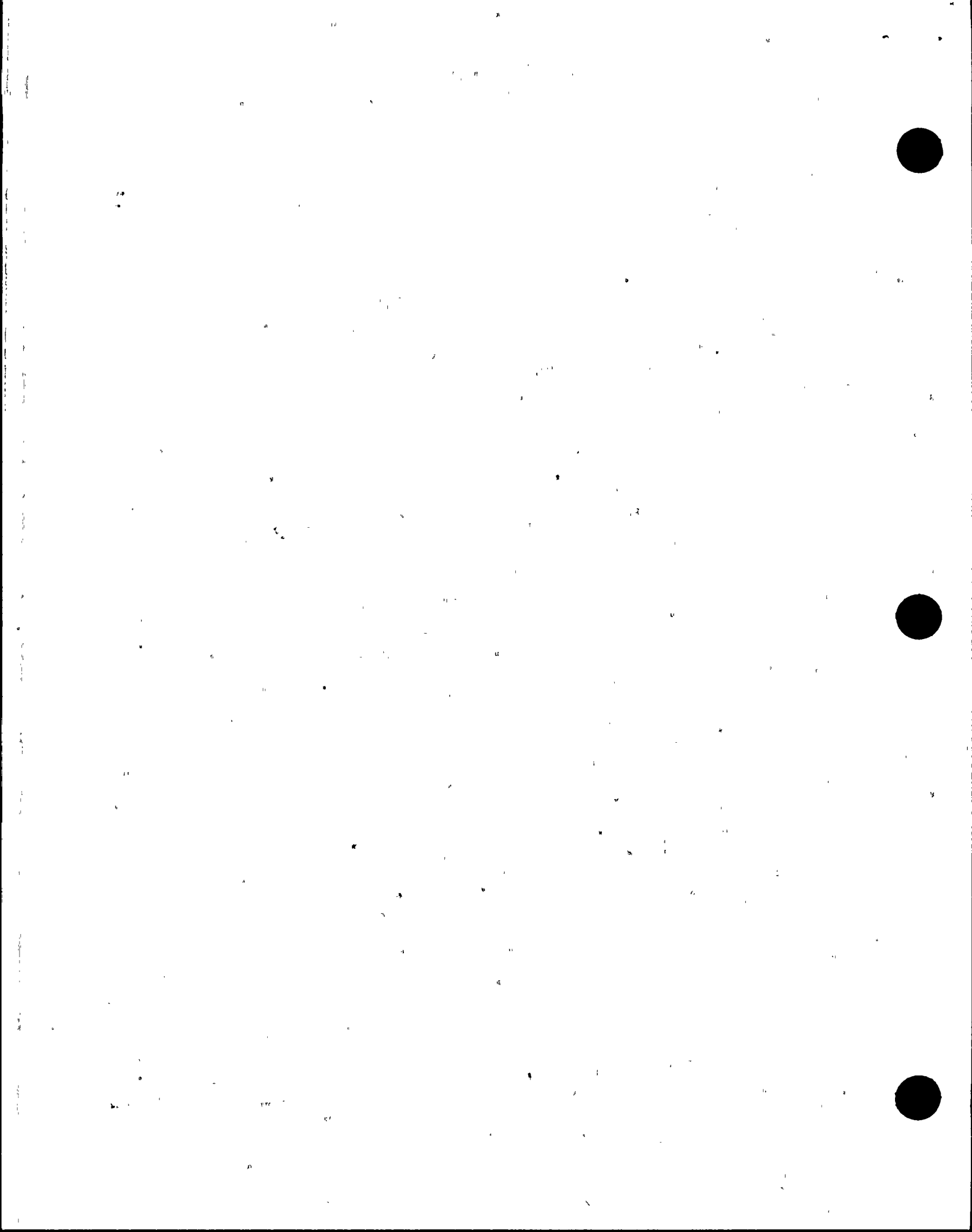
## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
C 5.21 & C 5.22	59 Aux & FW SG 2	One	1	1	58-24	93-1098			
					58-25	93-1204 93-1005			
		Two	3(5)	3(5)	59-1	93-1205 93-1192			
					59-12	89-1115 89-1069			
					59-13	92-1347 92-1344			
					59-16	92-1348 92-1344			
					59-16A	92-1341 92-1328			
					59-1	92-1342 92-1328			
						93-1201 93-1027			Reject (surf.)
						93-1097 93-1041			Re-exam (surf.)
					59-18	93-1206 93-1007			
					59-24	93-1207 93-1007			
					59-25	93-1208 93-1007			
	43 MS SG 1 90	Three	1(5)	0	59-1	95-1178			Re-exam (surf)
		One	3	3	43-1	87-1557 87-1527			
					43-2	87-1547 87-1527			
					43-22	87-1532 87-1515			
	44 MS SG 1 270	One	3	3	44-26	87-1548 87-1528			
					44-28	87-1533 87-1528			
					44-30	87-1534 87-1528			
					44-5	93-1186 93-1115			
	45 MS SG 2 270	Two	1	1	45-1	93-1193 93-1099			
		Two	2	2	45-2	93-1195 93-1099			
	46 MS SG 2 90	One	2	2	46-25	87-1523 87-1519			
					46-27	87-1524 87-1519			
		Two	2	2	46-1	93-1194 93-1100			
					46-2	93-1196 93-1100			
	54 FW SG 1	One	5	5	54-25A	89-1127 89-1129			
					54-27	89-1128 89-1104			
					54-41	89-1112 89-1063			
					54-49	89-1113 89-1063			
					54-50	89-1114 89-1063			
		Two	5	5	41-45	93-1240			
					54-1	93-1240			
					54-9	93-1388 93-1241			
					54-10	93-1387 93-1241			
					54-11A	93-1327 93-1241			
					54-59	93-1209 93-1174			
					54-60	93-1210 93-1174			Reject
									Re-exam
									Re-exam
	55 FW SG 2	Three	6	0	54-60	95-1317			
		One	5	5	42-44	89-1117 89-1066			
					55-11	89-1118 89-1066			
					55-12	89-1119 89-1068			
					55-15	89-1116 89-1066			
					55-26	89-1120 89-1066			
		Two	5	5	42-44	93-1364			
					42-45	93-1408 93-1364			
					55-1	93-1406 93-1364			
					55-2	93-1364			
					55-15	93-1407 93-1364			



# APPENDIX A INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					55-16		93-1364		
					55-38	93-1211	93-1004		
							93-1181		
					55-39	93-1212	93-1004		
							93-1181		
					55-41	93-1213	93-1004		
							93-1181		
58 Aux & FW SG 1		One	3	3	41-39	90-1003	90-1002		
					58-19	87-1481	87-1480		
					58-20	87-1482	87-1480		
59 Aux & FW SG 2		One	2	2	59-33	87-1483	87-1479		
					59-34	87-1484	87-1479		
		Two	2	2	59-16C	93-1130	93-1006		
							93-1238		
					59-20	93-1131	93-1103		
62 Aux & FW SG 1		One	1	1	62-24	87-1367	87-1359		
		Two	2	2	62-5	93-1127	93-1091		
					62-6	93-1128	93-1091		
63 Aux & FW SG 2		One	1	1	63-4	87-1368	87-1360		
		Two	2	2	63-20	93-1129	93-1092		
					63-23	93-1126	93-1092		
64 Blowdown SG 1		One	2	2	64-1	89-1121	89-1105		
					64-2	89-1122	89-1105		
		Two	4	4	64-1	93-1390	93-1358		
					64-2	93-1389	93-1358		
					64-8	93-1311	93-1284		
					64-16	93-1312	93-1284		
					64-29	93-1392	93-1358		
					64-30	93-1391	93-1358		
							93-1367		
65 Blowdown SG 2		One	4	4	65-22	89-1123	89-1065		RT Exam
					65-24	89-1124	89-1065		
					65-27	89-1125	89-1065		
					65-28	89-1126	89-1065		
		Two	3	3	65-1	93-1394	93-1341		
					65-28	93-1393	93-1341		
					65-49	93-1313	93-1285		
					65-51	93-1314	93-1285		
					65-52	93-1315	93-1285		
C7.10	N/A Pressure Vessels	One	All	All	Press Bound			*	*91-1005,91-1020
C7.30	N/A Piping	One	All	All	Press Bound			*	91-1021, 91-1026,
C7.50	N/A Pumps	One	All	All	Press Bound			*	91-1027, 91-1028,
C7.70	N/A Valves	One	All	All	Press Bound			*	91-1029, 91-1030,
									91-1036, 91-1037,
									92-1560, 92-1561,
									92-1562, 92-1563,
									92-1564, 92-1565,
									92-1566, 92-1567,
									93-1001, 93-1437
									94-1001, 95-1001
									95-1579.





# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
CIWF	41 SG 1	One	2	2	41-42			90-1023	
					41-43			90-1024	
	42 SG 2	Two	2	2	42-42			93-1385	
					42-43			93-1386	
	43 MS SG 1 90	One	3	3	SG-36-H17			87-1513	
					SG-36-H884			87-1522	
					SG-36-H885			87-1514	
		Two	2	2	SG-36-H11			93-1121	
					SG-36-H12			93-1434	PSE
					SG-36-H13			93-1122	
								93-1432	PSE
	44 MS SG 1 270	Three	4	0	SG-36-H11			95-1095	Re-exam (U2 reject)
		One	2	2	SG-33-H17			87-1600	
					SG-33-H18			87-1516	
		Two	5	5	SG-33-H14			93-1119	
								93-1435	PSE
					SG-33-H15			93-1433	PSE
					SG-33-H16			93-1120	
					SG-33-H881			93-1117	
					SG-33-H882			93-1118	
	45 MS SG 2 270	One	3	3	SG-42-H14			87-1537	
					SG-42-H15			87-1599	
					SG-42-H16			87-1518	
		Two	3	3	SG-42-H11			93-1107	Reject
								93-1410	Re-exam
					SG-42-H12			93-1431	PSE
					SG-42-H13			93-1108	
		Three	3	0	SG-42-H11			95-1096	Reject
								95-1510	Re-exam
								95-1572	Re-exam
	46 MS SG 2 90	One	2	2	SG-45-H17			87-1520	
					SG-45-H18			87-1521	
		Two	5	5	SG-45-H11			93-1111	
					SG-45-H12			93-1112	
					SG-45-H13			93-1113	
					SG-45-H887			93-1110	
					SG-45-H888			93-1109	
		Three	3	0	SG-45-H13			95-1097	Re-exam (U2 reject)
	47 MS SG 1 270	One	1	1	SG-206-H1			87-1240	
								92-1553	
	48 MS SG1 90	Two	1	1	SG-207-H001			92-1350	Reject
								92-1554	Re-exam
	49 MS SG 2 90	Two	0		SG-208-H001			92-1555	
		Three	1	1	SG-208-H1			95-1544	
	50 MS SG 2 270	Two	0		SG-209-H001			92-1556	
		Three	1	1	SG-209-H1			95-1421	
	51 ADV # 1	One	1	1	SG-59-H6			87-1606	
		Two	1	1	SG-70-H6			92-1278	
	52 ADV # 2	Three	2	2	SG-84-H6			95-1184	
					SG-103-H6			95-1185	
	53 Steam to Aux FW	One	4	4	SG-81-H1			87-1241	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt ' Comp	Item ID	Vol	Reports Surf	Visual	Remarks
54 FW SG 1		Two	2	2	SG-81-H2			87-1242	
					SG-83-H1			87-1243	
					SG-83-H2			87-1244	
					SG-81-H4			92-1279	
		Three	2	2	SG-83-H4			92-1280	
					SG-81-H3			95-1247	
					SG-83-H3			95-1246	
					SG-2-H4			89-1111	Reject
		One	7	7				89-1239	Re-exam
					SG-2-H5			89-1082	
					SG-2-H12			89-1158	
					SG-2-H13			89-1083	Reject
		Two	7	7				90-1022	Re-exam
					SG-2-H14			89-1084	
					SG-2-H15			89-1085	
					SG-2-H803			89-1159	
					SG-13-H802			93-1343	
					SG-13-H1			93-1342	Reject
								93-1425	Re-exam
					SG-2-H806			93-1002	
		Three	6	0	SG-2-H811			93-1426	
					SG-2-H9			93-1430	
					SG-2-H10			93-1429	
					SG-2-H11			93-1428	
					SG-13-H1			95-1177	Re-exam
					SG-5-H8			86-98	PSE
					SG-5-H9			89-1131	
					SG-5-H10			89-1132	
		One	9	9	SG-5-H11			89-1133	
					SG-5-H12			89-1134	
					SG-5-H805			89-1137	
					SG-5-H809			90-1026	
					SG-5-H812			89-1138	
					SG-14-H1			89-1135	
					SG-14-H804			89-1136	
					SG-5-H14			92-1524	PSE/Snub. Replace
					SG-5-H4			93-1215	
					SG-5-H5			93-1216	
					SG-5-H6			93-1217	
					SG-5-H7			93-1218	
					SG-5-H8			93-1219	
					SG-5-H13			93-1214	
					SG-5-H809			93-1003	
56 FW SG 1		Two	1	1	SG-202-H001			92-1511	
58 Aux & FW SG 1		One	7	7	SG-8-H2			89-1173	
					SG-8-H3			89-1174	
					SG-8-H4			89-1175	
					SG-8-H5			89-1176	
					SG-8-H20			89-1177	
					SG-8-H901			89-1178	
					SG-8-H903			89-1179	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

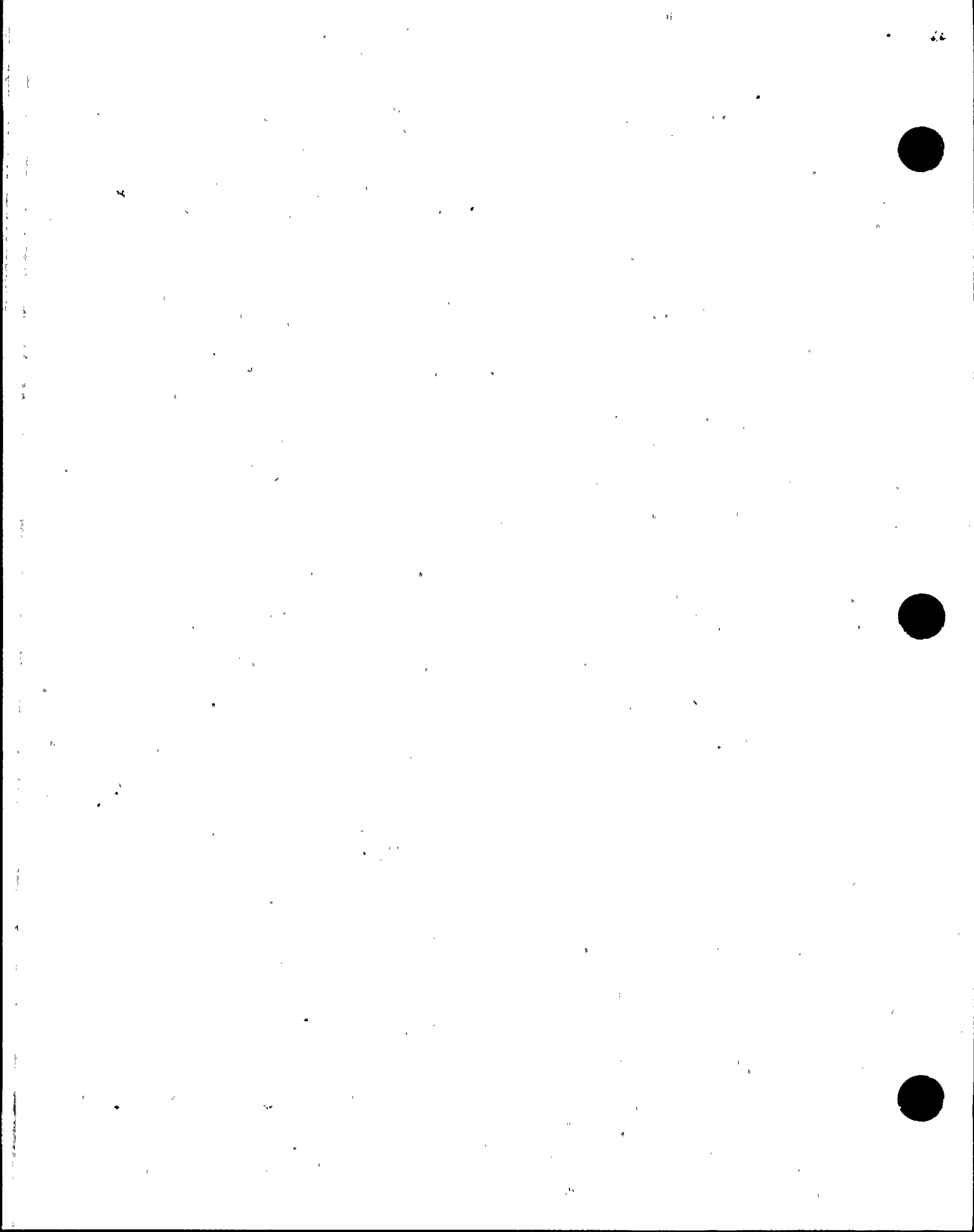
ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Two	7	7	SG-8-H10			92-1525	PSE/Snub. Replace
					SG-8-H6			93-1353	
					SG-8-H7			93-1354	
					SG-8-H8			93-1356	
					SG-8-H9			93-1357	
					SG-8-H11			93-1352	
					SG-8-H17			93-1355	
					SG-8-H20			93-1418	
59 Aux & FW SG 2		One	6	6	AF-6-H1			87-1452	
					SG-11-H8			87-1453	
					SG-11-H9			87-1454	
					SG-11-H10			87-1455	
					SG-11-H11			87-1456	
					SG-11-H12			87-1457	
		Two	6	6	SG-11-H13			93-1345	
					SG-11-H14			93-1351	
					SG-11-H15			93-1350	
					SG-11-H16			93-1349	
					SG-11-H18			93-1348	
					SG-11-H19			93-1344	
60 Downcomer FW SG 1		One	1	1	SG-200-H9			87-1296	
61 Downcomer FW SG 2		Two	2	2	SG-203-H13			92-1281	
					SG-203-H14			92-1282	
		Three	1	1	SG-203-H8			95-1325	
62 Aux FW SG 1		One	1	1	AF-4-H3			87-1245	
		Two	1	1	AF-18-H1			93-1125	
63 Aux FW SG 2		One	2	2	AF-6-H2			87-1246	
					AF-16-H1			87-1247	
		Two	2	2	AF-6-H3			93-1124	
					AF-6-H5			93-1123	Reject
								93-1427	Re-exam
		Three	1	0	AF-6-H5			95-1446	Re-exam
64 Blowdown SG 1		One	12	12	SG-39-H10			89-1086	
					SG-39-H11			89-1087	
					SG-39-H12			89-1088	Reject
								90-1021	Reject
								90-1027	Re-exam
					SG-39-H13			89-1089	Reject
								89-1240	Re-exam
					SG-39-H14			89-1090	
					SG-39-H15			89-1091	
					SG-39-H16			89-1092	Reject
								90-1028	Re-exam
					SG-39-H17			89-1093	
					SG-39-H26			89-1094	
					SG-53-H1			89-1160	
					SG-53-H2			89-1161	
					SG-53-H924			89-1162	
		Two	13	13	SG-39-H1			93-1359	
					SG-39-H2			93-1346	
					SG-39-H3			93-1302	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SG-39-H4			93-1303	
					SG-39-H5			93-1304	
					SG-39-H6			93-1305	
					SG-39-H27			93-1306	
					SG-39-H922			93-1347	
					SG-53-H3			93-1301	
					SG-53-H4			93-1300	
					SG-53-H5			93-1299	
					SG-53-H6			93-1298	
					SG-53-H7			93-1297	
		Three	12	0	SG-39-H10			95-1537	PSE
65	Blowdown SG 2	One	12	12	SG-48-H2			89-1139	
					SG-48-H3			89-1095	
					SG-48-H4			89-1096	
					SG-48-H19			89-1097	
					SG-48-H20			89-1098	
					SG-48-H21			89-1099	
					SG-48-H925			89-1143	
					SG-52-H1			89-1140	
					SG-52-H2			89-1141	
					SG-52-H3			89-1100	
					SG-52-H4			89-1101	
					SG-53-H923			89-1142	
		Two	11	11	SG-48-H13			93-1286	
					SG-48-H14			93-1287	
					SG-48-H15			93-1288	
					SG-48-H16			93-1289	
					SG-48-H17			93-1290	
					SG-48-H18			93-1291	Reject
								93-1423	Re-exam
					SG-48-H22			93-1292	
					SG-48-H23			93-1293	Reject
								93-1424	Re-exam
					SG-48-H24			93-1294	
					SG-48-H25			93-1296	
					SG-48-H26			93-1295	
		Three	13	0	SG-48-H18			95-1179	Re-exam
					SG-48-H23			95-1180	Re-exam
68	Regen. HT Exch.	Two	1	1	68-10			93-1414	
70	LPSI A Suction	One	1	1	SI-67-H4			87-1301	
		Three	4	4	SI-241-H20			95-1227	
					SI-241-H22			95-1228	
					SI-307-H16			95-1229	
					SI-307-H17			95-1230	
71	LPSI A Discharge	One	1	1	SI-87-H11			87-1302	
		Two	5	5	SI-78-H1			92-1109	
					SI-78-H2			92-1110	
					SI-87-H1			92-1111	
					SI-87-H2			92-1112	
					SI-87-H3			92-1108	
72	LPSI Pump A	One	2	2	72-3A			87-1369	





# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Two	1	1	72-3B			87-1369	
					72-3A			92-1231	
					72-3B			92-1232	
					72-3C			92-1233	
73 LPSI Pump B Suction		Two	1	1	SI-308-H14			92-1125	
		Three	4	4	SI-34-H4			95-1135	
					SI-194-H1			95-1136	
					SI-308-H12			95-1137	
					SI-308-H13			95-1138	
74 LPSI Pump B		Three	6	6	SI-129-H1			95-1100	
					SI-129-H2			95-1101	
					SI-129-H3			95-1140	
					SI-129-H4			95-1102	
					SI-129-H5			95-1103	
					SI-129-H6			95-1219	
75 LPSI Pump B Discharge		Two	1	1	73-3A			92-1510	
					73-3B			92-1510	
					73-3C			92-1510	
		Three	2	2	73-3B			95-1186	
					73-3C			95-1186	
76 CS Pump A Suction		One	1	1	SI-9-H4			87-1259	
		Three	4	4	SI-67-H1			95-1231	
					SI-67-H2			95-1232	
					SI-67-H3			95-1422	
					SI-78-H3			95-1233	
77 CS Pump A Discharge		One	4	4	SI-79-H1			87-1267	
					SI-79-H2			87-1264	
					SI-79-H3			87-1265	
					SI-79-H4			87-1266	
		Two	3	3	SI-79-H5			92-1113	
					SI-79-H6			92-1114	
					SI-82-H2			92-1115	
		Three	3	3	SI-79-H7			95-1417	
					SI-79-H8			95-1234	
					SI-79-H9			95-1235	
78 CS Pump A		One	2	2	80-3A			87-1260	
					80-3B			87-1260	
		Two	1	1	80-3A			92-1227	
					80-3B			92-1228	
					80-3C			92-1229	
79 CS Pump B Suction		One	3	3	SI-34-H1			87-1253	
					SI-34-H2			87-1254	
					SI-34-H3			87-1255	
		Two	2	2	SI-33-H3			92-1127	
					SI-33-H4			92-1126	
		Three	2	2	SI-34-H5			95-1048	
					SI-34-H6			95-1220	
80 CS Pump B Discharge		One	3	3	SI-119-H7			87-1256	
					SI-119-H8			87-1331	
					SI-119-H9			88-1006	
		Two	4	4	SI-119-H1			92-1128	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone	Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
81 CS Pump B			Three	3	3	SI-119-H2			92-1129	
						SI-119-H3			92-1130	
						SI-119-H4			92-1131	
						SI-119-H5			95-1050	
						SI-119-H6			95-1051	
						SI-147-H1			95-1052	
			Two	1	1	81-3A			92-1425	
						81-3B			91-1425	
						81-3C			91-1425	
			Three	2	2	81-3A			95-1223	
						81-3B			95-1223	
						81-3C			95-1223	
82 SD Cooling A			One	2	2	SI-78-H5			87-1278	
						SI-79-H10			87-1279	
83 Shutdown Cooling A			Three	1	1	SI-78-H4			95-1327	
						SI-87-H9			87-1280	
			One	4	4	SI-89-H1			87-1281	
						SI-89-H2			87-1282	
			Two	3	3	SI-89-H3			87-1283	
						SI-87-H4			92-1104	
						SI-90-H1			92-1145	
						SI-90-H2			92-1105	
			Three	12	12				93-1417	PSE
						SI-70-H1			95-1330	
						SI-70-H2			95-1331	
						SI-70-H3			95-1332	
						SI-70-H6			95-1333	
						SI-70-H7			95-1255	
						SI-87-H5			95-1256	
						SI-87-H6			95-1257	
85 SD Cooling B			One	3	3	SI-87-H7			95-1258	
						SI-87-H8			95-1259	
						SI-90-H4			95-1335	
						SI-82-H1			95-1334	
			Two	6	6	SI-89-H5			95-1260	
						SI-119-H10			87-1252	
						SI-123-H6			88-1005	
						SI-123-H7			87-1249	
						SI-119-H11			92-1183	
						SI-119-H13			92-1184	
						SI-119-H14			92-1102	
						SI-123-H2			92-1185	
86 SD Cooling B			Three	1	1	SI-123-H5			92-1103	
						SI-123-H8			92-1186	
			One	3	3	SI-123-H1			95-1125	
						SI-129-H10			87-1248	
			Two	7	7	SI-129-H11			87-1250	
						SI-129-H12			87-1251	
						SI-129-H7			92-1107	
						SI-129-H8			92-1106	
						SI-135-H1			92-1134	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-135-H2			92-1135	
					SI-135-H3			92-1136	
					SI-72-H3			92-1526	PSE/Snub. Replace
					SI-72-H5			92-1132	
					SI-72-H6			92-1133	
		Three	15	15	SI-129-H9			95-1064	Reject
								95-1511	Re-exam
					SI-129-H13			95-1065	
					SI-134-H1			95-1190	
					SI-134-H2			95-1191	
					SI-134-H3			95-1192	
					SI-134-H5			95-1066	
					SI-134-H6			95-1067	
					SI-134-H7			95-1068	
					SI-134-H8			95-1069	
					SI-72-H1			95-1059	
					SI-72-H2			95-1060	
					SI-72-H3			95-1061	
					SI-72-H4			95-1062	
					SI-72-H12			95-1063	
					SI-147-H2			95-1070	
88 LPSI B		One	8	8	SI-72-H11			87-1314	
					SI-72-H13			87-1315	
					SI-72-H14			87-1316	
					SI-72-H21			87-1317	
					SI-72-H22			87-1318	
					SI-73-H1			87-1319	
					SI-73-H2			87-1320	
					SI-73-H3			87-1321	
		Three	6	6	SI-72-H15			95-1071	
					SI-72-H16			95-1072	
					SI-72-H17			95-1073	
					SI-72-H18			95-1074	
					SI-72-H19			95-1075	
					SI-72-H20			95-1076	Reject
								95-1512	Re-exam
89 LPSI B		One	4	4	SI-194-H12			87-1310	
					SI-194-H13			87-1311	
					SI-194-H14			87-1312	
					SI-194-H18			87-1626	
					SI-194-H23			87-1313	
		Three	1	1	SI-173-H1			95-1078	
90 CS B		Two	2	2	SI-134-H9			92-1137	
					SI-134-H10			92-1138	
91 LPSI A		One	7	7	SI-70-H9			87-1342	
					SI-70-H10			88-1001	
					SI-70-H11			87-1343	
					SI-70-H12			87-1344	
					SI-70-H13			88-1003	
					SI-70-H15			87-1345	
					SI-70-H16			87-1644	



# APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
92 LPSI A		Two	2	2	SI-71-H2			92-1139	
					SI-71-H3			92-1140	
		Three	1	1	SI-70-H14			95-1249	
		One	5	5	SI-239-H3			87-1341	
					SI-241-H12			87-1339	
					SI-241-H14			87-1349	
					SI-241-H15			87-1350	
					SI-241-H21			87-1340	
		Two	5	5	SI-239-H1			92-1323	
					SI-239-H2			92-1324	
					SI-241-H9			92-1164	
					SI-241-H11			92-1165	
					SI-241-H16			92-1166	
		Three	2	2	SI-2-H1			95-1250	
93 CS Discharge 1					SI-2-H5			95-1251	
		Two	2	2	SI-89-H10			92-1141	
					SI-89-H13			92-1182	
		Three	2	2	SI-89-H11			95-1252	
94 LPSI A					SI-89-H12			95-1253	
		One	3	3	SI-89-H7			87-1291	
					SI-89-H8			87-1292	
					SI-89-H9			87-1293	
		Two	7	7	SI-70-H4			92-1187	
					SI-70-H5			92-1223	
					SI-70-H8			92-1199	
					SI-241-H6			92-1123	
								93-1416	
					SI-241-H7			92-1124	
					SI-241-H8			92-1188	
					SI-241-H17			92-1189	Reject
								92-1551	PSE/Re-exam
		Three	5	5	SI-89-H6			95-1236	
95 LPSI B					SI-241-H2			95-1237	
					SI-241-H3			95-1238	
					SI-241-H4			95-1239	
					SI-241-H5			95-1240	
		One	6	6	SI-72-H8			87-1289	
					SI-72-H10			87-1290	
					SI-134-H11			87-1294	
					SI-134-H12			87-1295	
					SI-194-H3			87-1258	
					SI-194-H5			87-1257	
		Two	10	10	SI-72-H7			92-1101	
					SI-72-H9			92-1116	
					SI-194-H4			92-1117	
					SI-194-H7			92-1118	
					SI-194-H8			92-1119	
					SI-194-H9			92-1120	
					SI-194-H10			92-1190	
					SI-194-H11			92-1121	
					SI-194-H15			92-1191	





## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
96 LPSI To Loop 1A		Three	3	3	SI-194-H21			92-1122	
					SI-134-H4			95-1146	
					SI-194-H2			95-1122	
					SI-194-H6			95-1080	Reject
		One	3	3	SI-194-H21			95-1513	Re-exam
					SI-202-H7			95-1516	PSE/Snub Replaced
					SI-202-H8			87-1493	
					SI-202-H9			87-1494	
					SI-202-H2			87-1495	
					SI-202-H3			92-1284	
		Two	8	8	SI-202-H3			92-1247	
								92-1533	PSE/Snub.Reduction
					SI-202-H4			92-1248	
					SI-202-H5			92-1249	
					SI-202-H6			92-1250	
		Three	7	7	SI-202-H10			92-1251	
					SI-202-H11			92-1252	
					SI-202-H12			92-1534	PSE/Snub. Reduction
					SI-202-H15			92-1269	Reject
								92-1486	Re-exam
					SI-202-H1			95-1082	
					SI-202-H12			95-1083	
					SI-202-H13			95-1084	
					SI-202-H14			95-1085	DCN/Snub Removed
					SI-202-H16			95-1086	
					SI-202-H17			95-1087	
					SI-202-H18			95-1088	Reject
97 LPSI To Loop 1B		One	10	10				95-1577	Re-exam
					SI-220-H8			89-1180	
					SI-220-H9			87-1496	
					SI-220-H10			87-1497	
					SI-220-H11			87-1498	
					SI-220-H12			87-1499	
					SI-220-H13			87-1500	
					SI-220-H14			87-1501	
					SI-220-H15			87-1506	
					SI-220-H19			87-1502	
		Two	7	7	SI-220-H22			87-1507	
					SI-220-H1			92-1253	
					SI-220-H7			92-1535	PSE/Snub. Reduction
					SI-220-H12			92-1536	PSE/Snub. Reduction
					SI-220-H16			92-1285	
		Three	10	10	SI-220-H17			92-1254	
					SI-220-H18			92-1255	
					SI-220-H20			92-1286	
					SI-220-H21			92-1256	
					SI-220-H24			92-1537	PSE/Snub. Reduction
					SI-220-H27			92-1538	PSE/Snub. Reduction
					SI-220-H28			92-1287	
					SI-220-H29			92-1539	PSE/Snub. Reduction
					SI-220-H3			95-1200	



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-220-H5			95-1201	
					SI-220-H6			95-1202	
					SI-220-H7			95-1203	
					SI-220-H23			95-1423	
					SI-220-H24			95-1204	
					SI-220-H25			95-1205	
					SI-220-H26			95-1206	
					SI-220-H27			95-1207	
					SI-220-H29			95-1208	
	98 LPSI To Loop 2A	One	2	2	SI-155-H4			87-1627	PSE
					SI-155-H5			87-1503	
		Two	5	5	SI-155-H6			87-1504	
					SI-155-H1			92-1288	
					SI-155-H2			92-1289	
					SI-155-H3			92-1257	
					SI-155-H4			92-1258	
					SI-155-H6			92-1540	PSE/Snub.Reduction
					SI-155-H7			92-1259	
	99 LPSI To Loop 2B	Two	5	5	SI-174-H7			92-1375	
					SI-174-H8			92-1376	
								92-1532	PSE/Snub. Reduction
					SI-174-H9			92-1260	
					SI-174-H10			92-1261	
					SI-174-H13			92-1377	
		Three	5	5	SI-174-H4			95-1209	
					SI-174-H5			95-1210	
					SI-174-H6			95-1211	
					SI-174-H11			95-1212	
					SI-174-H12			95-1213	
	100 LPSI A Suction	One	2	2	SI-241-H19			87-1471	
					SI-369-H1			87-1434	
		Two	1	1	84-5			92-1484	
	101 Cont. LPSI B Suction	Three	8	7	SI-194-H16			95-1090	Reject
								95-1538	Re-exam
					SI-194-H18			95-1091	
					SI-194-H22			95-1155	Reject
								95-1576	Re-exam
					SI-194-H25			95-1092	Reject
								95-1514	Re-exam
					SI-194-H26			95-1093	
					SI-368-H1			95-1094	
					SI-368-H2			95-1517	
FR 5.11 & FR 5.12	70 LPSI A Suction	One	3	3	70-58	87-1325	87-1303		
					70-69	87-1363	87-1361		
					70-104	87-1326	87-1303		
		Two	4	4	70-44	92-1295	92-1283		
					70-46	92-1294	92-1283		
					70-61	92-1296	92-1283		
					70-103	92-1297	92-1283		
	71 LPSI A Discharge	One	3	3	72-5	87-1327	87-1304		
					72-6	87-1328	87-1304		



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					72-8	87-1329	87-1304		
		Two	3	3	72-18	92-1353	92-1345		
					74-45	92-1354	92-1345		
					74-46	92-1355	92-1345		
	73 LPSI B Suction	Three	3	3	71-55	95-1158	95-1157		
					71-69	95-1133	95-1132		
					71-110	95-1134	95-1157		
	74 LPSI B Discharge	Three	2	2	73-8	95-1139	95-1241		
					73-30	95-1217	95-1216		
	76 CS A Suction	One	2	2	80-10	87-1271	87-1262		
					80-16	87-1270	87-1263		
	77 CS A Discharge	One	3	3	82-1	87-1273	87-1269		
					82-1A	87-1272	87-1269		
					82-2	87-1274	87-1269		
		Two	4*	4*	82-15	92-1204	92-1203		*required between 2 zones
					82-16	92-1205	92-1203		
					82-31	92-1206	92-1203		
	79 CS Pump B Suction	Three	2	2	81-1	95-1254	95-1248		
					81-8	95-1045	95-1044		
	79 CS Pump B Suction	Two	2	2	81-12	92-1207	92-1208		
					81-15	92-1209	92-1210		
	80 CS Pump B Discharge	Two	4*	4*	83-1A	92-1464	92-1426		
		Three	4	4	83-2	95-1057	95-1049		
					83-3	95-1058	95-1049		
					83-16	95-1141	95-1123		
					83-30	95-1142	95-1123		
	82 SD Cooling A	One	2	2	72-48	87-1284	87-1275		
					72-61	87-1285	87-1275		
		Two	4*	4*	72-52	92-1211	92-1213		*required between 2 zones
						92-1212			
	83 SD Cooling A	One	6	6	74-19	87-1299	87-1277		
					74-21	87-1300	87-1277		
					74-74	87-1286	87-1276		
					74-87	87-1287	87-1276		
					74-100	87-1297	87-1277		
					74-105	87-1298	87-1277		
		Two	3	3	74-1	92-1200	92-1196		
						92-1201			
					74-3	92-1202	92-1196		
					74-117	92-1171	92-1149		
					74-118	92-1172	92-1149		
	85 SD Cooling B	Two	4*	4*	73-36	92-1194	92-1181		
					73-37	92-1195	92-1181		
					73-63	92-1197	92-1198		
		Three	1	1	73-54	95-1161	95-1159		
	86 SD Cooling B	Three	8	8	75-11	95-1162	95-1104		
					75-14	95-1164	95-1053		
					75-60	95-1188	95-1054		
					75-61	95-1056	95-1054		
					75-62	95-1160	95-1124		
					75-87	95-1189	95-1055		



## APPENDIX A

## INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					83-40	95-1143	95-1124		
					83-41	95-1144	95-1124		
	88 East Wrap	Three	1	1	79-1	95-1196	95-1195		
	89 LPSI Suction 2	Two	1	1	71-79	92-1173	92-1146		
		Three	2	2	71-88	95-1197	95-1145		
					71-91	95-1198	95-1077		
	90 LPSI B	Two	4*	4*	83-55	92-1174	92-1147		*required between 2 zones
					83-56	92-1175	92-1147		
					83-59	92-1176	92-1167		
	91 LPSI A	One	2	2	74-44	87-1358	87-1335		
					76-2	87-1354	87-1338		
		Two	2	2	77-8	92-1177	92-1180		
					77-10D	92-1178	92-1168		
	92 LPSI A	One	5	5	70-2	87-1355	87-1332		
					70-16	87-1356	87-1333		
					70-17	87-1357	87-1333		
					70-80	87-1353	87-1333		
					70-85	87-1352	87-1333		
	93 SI West Wrap	Two	4*	4*	82-64	93-1328	93-1326		
	94 LPSI A	One	2	2	82-47	87-1308	87-1288		
					82-48	87-1307	87-1288		
	95 B Train 88' Pipe Chase	Three	2	2	71-34	95-1046	95-1079		
					71-36	95-1047	95-1079		
	100 LPSI A Suction	One	1	1	70-134	87-1586	87-1433		
		Two	2*	2*	70-116	92-1346	92-1326		*required between 2 zones
	101 LPSI B Suction	Two	2*	2*	71-130	92-1356	92-1329		
		Three	4	3	71-112	95-1154	95-1089		
					71-113	95-1153	95-1089		
					71-124	95-1214	95-1152		
FR 5.21	88 LPSI B	One	1	1	78-16	87-1330	87-1323		
	93 Cont. Sump Suction	Two	1	1	84-9	92-1179	92-1169		
	96 Cont LPSI 1A	Three	3	3	76-25	95-1147	95-1081		
					76-27	95-1149	95-1081		
					76-47	95-1148	95-1105		
	97 LPSI B	Two	3	3	77-22	92-1334	92-1325		
					77-27	92-1335	92-1325		
					77-28D	92-1336	92-1325		
	98 LPSI to Loop 2A	One	2	2	78-45	87-1511	87-1505		
					78-47	87-1512	87-1505		
FR 5.31	82 SD Cooling A	One	1	1	72-49A		87-1275		
	86 SD Cooling B	Three	1	1	75-13	95-1163	95-1053		
	91 LPSI A	One	1	1	74-102		87-1351		





## **APPENDIX B**

### **CODE LIMITATIONS**

**There were no Code Limitations identified  
during the Fifth Refueling Outage.**



# **APPENDIX C**

**FORM**  
**NIS-1**



# APS

## NIS-1 FORM

### OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

1. OWNER - *ARIZONA PUBLIC SERVICE COMPANY, et al*  
ADDRESS - *P.O. BOX 52034, PHOENIX, ARIZONA 85072*
2. PLANT - *PALO VERDE NUCLEAR GENERATING STATION*  
ADDRESS - *5801 SOUTH WINTERSBURG ROAD; TONOPAH, ARIZONA 85354-7529*
3. UNIT NUMBER -     *1*
4. OWNERS' CERTIFICATE OF AUTHORIZATION - *NONE*
5. COMMERCIAL SERVICE DATE -     *JANUARY 28, 1986*
6. COMPONENTS INSPECTED:

COMPONENT OR APPURTENANCE	MANUFACTURER OR INSTALLER	SERIAL NUMBER	STATE OR PROVINCE	NATIONAL BOARD NO
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This report is a running summary of all examinations performed to date for Unit 1. The items examined, along with the examination report numbers, are listed in Appendix A. The examinations performed after the last Summary Report was issued are identified with a 94-1XXX, or 95-1XXX report number.



# APS

## NIS-1 BACK

### OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

7. EXAM DATES 11-26-94 TO 5-24-95

8. INSPECTION INTERVAL FROM 1-28-86 TO 7-17-98

9. ABSTRACT OF EXAMINATIONS. INCLUDE A LIST OF EXAMINATIONS AND A STATEMENT CONCERNING STATUS OF WORK REQUIRED FOR CURRENT INTERVAL.

The items examined, along with the examination report numbers, are listed in Appendix A. The examinations are listed by ASME Item Numbers with the corresponding examination report numbers. All of the examinations for the fifth refueling are identified with a 95-1XXX report number.

10. ABSTRACT OF CONDITIONS NOTED

There are no outstanding rejectable items in Unit 1. The rejectable items found during this outage consisted of 11 items; 9 supports and 2 pipe welds with minor surface defects. A list of the individual rejected components is located in Section 7.0, REPAIRS AND REPLACEMENTS, of this report.

11. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN

The rejectable surface indications were removed by filing/grinding. Thickness readings were taken to verify that pipe wall thicknesses were maintained in the areas where filing/grinding had taken place. The abnormal conditions found on supports were reworked in accordance with APS Work Control practices.

Several repairs and replacements have been performed since the last summary report, due to routine or corrective maintenance. The work was performed in accordance with ASME Section XI and APS Work Control procedures. All documents are maintained on file at Palo Verde Nuclear Generating Station by Arizona Public Service Company.

WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THE EXAMINATIONS AND CORRECTIVE MEASURES TAKEN CONFORM TO THE RULES OF THE ASME CODE, SECTION XI.

DATE 8-16-95 SIGNED: ARIZONA PUBLIC SERVICE COMPANY BY Alan Monow  
Section Leader ISI

### CERTIFICATE OF INSERVICE INSPECTION

I, THE UNDERSIGNED, HOLDING A VALID COMMISSION ISSUED BY THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS AND THE STATE OR PROVINCE OF ARIZONA EMPLOYED BY HSBI & I CO. OF HARTFORD, CONNECTICUT HAVE INSPECTED THE COMPONENTS DESCRIBED IN THIS OWNERS REPORT DURING THE PERIOD 11-26-94 TO 5-24-95, AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE OWNER HAS PERFORMED EXAMINATIONS AND TAKEN CORRECTIVE MEASURES DESCRIBED IN THIS OWNERS REPORT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME CODE, SECTION XI. BY SIGNING THIS CERTIFICATE NEITHER THE INSPECTOR NOR HIS EMPLOYER MAKES ANY WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE EXAMINATIONS AND CORRECTIVE MEASURES DESCRIBED IN THIS OWNERS REPORT. FURTHERMORE, NEITHER THE INSPECTOR NOR HIS EMPLOYER SHALL BE LIABLE IN ANY MANNER FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE OR A LOSS OF ANY KIND ARISING FROM OR CONNECTED WITH THIS INSPECTION.

INSPECTOR Art A. Fyfe COMMISSIONS NB 9685 "N" "I" Az. 264  
NAT'L BOARD, STATE, PROVINCE  
DATE 8-16-95

