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July 1, 2005

U. S. Nuclear Regulatory Commission Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: R.E. Ginna Nuclear Power Plant Docket No. 50-244

> <u>Transmittal of Inservice Inspection Report for the Fourth Interval (2000-2009),</u> <u>Second Period, Second Outage (2005) - ISI and First Interval (1997-2008),</u> <u>Second Period, Third Outage (2005) - IWE/IWL</u>

Enclosed is a copy of the Ginna Station Inservice Inspection Report for the refueling outage conducted in 2005. This report is submitted as specified by Ginna Station Nuclear Directive ND-IIT (Inservice Inspection and Testing) and ASME Code section XI.

There are no new commitments being made in this submittal. Should you have questions regarding the information in this submittal, please contact George Wrobel at (585) 771-3535 or george.wrobel@constellation.com.

Very truly yours

Attachments: (1) Inservice Inspection Report for the Fourth Interval (2000-2009), Second Period, Second Outage (2005) - ISI and First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

cc: S. J. Collins, NRC P. D. Milano, NRC Resident Inspector, NRC



R.E. Ginna Nuclear Power Plant, LLC
 R.E. Ginna Nuclear Power'Plant
 Nuclear Regulatory Commission
 2005 Outage, Inservice Inspection Program Report

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R. E. Ginna Nuclear Power Plant, LLC 1503 Lake Road, Ontario, NY 14519

NUCLEAR REGULATORY COMMISSION

INSERVICE INSPECTION REPORT

FOR THE

FOURTH INTERVAL (2000-2009), SECOND PERIOD, SECOND OUTAGE (2005) - ISI

AND

FIRST INTERVAL (1997-2008), SECOND PERIOD, THIRD OUTAGE (2005) – IWE/IWL

AT

R.E. GINNA NUCLEAR POWER PLANT

Revision 0 June 29, 2005

R. E. GINNA NUCLEAR POWER PLANT

NUCLEAR REGULATORY COMMISSION

INSERVICE INSPECTION REPORT

FOURTH INTERVAL (2000-2009), SECOND PERIOD, SECOND OUTAGE (2005) – ISI AND FIRST INTERVAL (1997-2008), SECOND PERIOD, THIRD OUTAGE (2005) – IWE/IWL

OWNERS DATA SHEET

Date: 29 June, 2005

Owner: R. E. Ginna Nuclear Power Plant, LLC 1503 Lake Road Ontario, New York 14519

Plant Location and Unit No.:R. E. Ginna Nuclear Power Plant
Unit One
1503 Lake Road
Ontario, New York 14519

Commercial Operating Date: July 1, 1970

Applicable Code: ASME Section XI, 1995 Edition, 1996 Addenda (ISI) ASME Section XI, 1992 Edition, 1992 Addenda (IWE/IWL)

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- System Pressure Testing -Leakage Testing
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- Repair and Replacement Program
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i.

INTRODUCTION AND SYNOPSIS:

Inservice Inspection (ISI) activities for the 2005 Outage were performed on items within Class 1, 2, 3, MC, CC, High Energy Piping & Components, Seismic Supports and Snubbers. ISI examinations for the outage were concluded on April 11, 2005. Examination methods included Visual and General Visual (VT), Liquid Penetrant (PT), Magnetic Particle (MT), Ultrasonic (UT), Eddy Current (ET) and Radiography (RT). Functional Testing (FT) and System Pressure Tests were also performed as well as Erosion/Corrosion examinations during this time.

Personnel involved in Outage activities included Ginna Station NDE Group, IHI SouthWest Technologies Inc., Westinghouse, Anatec International, Quality Inspection Services Inc., Whiting Services Inc, Ginna Station Quality Control, Ginna Station Performance Monitoring and Calvert Cliffs Personnel. Additional Support Personnel utilized included individuals from the following departments: Ginna Station Insulators, Maintenance, Electricians, Pipe Fitters, Radiation Protection, Turbine Maintenance, and Ginna Station System Engineering.

ASME SECTION XI SUMMARY OF WORK ACCOMPLISHED:

Upon conclusion of the 2005 Outage, 51.3% of ISI examinations for the Fourth Interval ISI Program have been completed. Also, 61.5% of ISI examinations for the First Interval ISI Containment (IWE/IWL) Program have been completed.

CLASS 1 COMPONENTS:

A total of 72 components were examined. The examinations for these components consisted of 22 VT's, 47 PT's, 1 RT and 14 UT's. A total of 84 examinations were performed on Class 1 Components.

Two Class 1 components were examined, rejected and required grind repairs to be performed. These rejects were classified as original fabrication defects. One item was a Pressurizer Nozzle to Safe End Weld, ISI Summary Number 1004350, weld SLNSE which experienced delayed hot cracking and was subsequently repaired by grinding. The other item was a 10" Residual Heat Removal Weld, ISI Summary Number 1029100, weld ASW-1 which had 3 porosity indications and was repaired by grinding.

A detailed listing of all Class 1 ISI Component Examinations is documented within Attachment IA of the 2005 Outage 90 Day Report.

CLASS 2 COMPONENTS:

A total of 63 components were examined. The examinations for these components consisted of 36 VT's, 8 PT's, 4 MT's, 3 RT's, and 5 UT's. A total of 56 examinations were performed on Class 2 Components.

Four Class 2 components were examined and rejected. The first item was on a 6" Mainsteam line, Pipe to Valve 3504 Weld, ISI Summary Number I 090300, weld L2-BC-1A. This weld had original fabrication slag that was removed and weld repaired. The second item was on an 8" Residual Heat Removal line, Component Support RHU-41, Variable Spring, ISI Summary Number I142210. This Component Support Spring Can Setting was off and needed readjustment and was considered service induced. The third item was on the Residual Heat Removal Heat Exchanger "A", Outlet Reinforcing Plate Weld, ISI Summary Number I169090, weld ORPRHE-1A. This weld had original fabrication porosity that was removed by grinding. The fourth item was on the Residual Heat Removal Heat Exchanger "B", Inlet Reinforcing Plate Weld, ISI Summary Number I169270, weld IRPRHE-1B. This weld had original fabrication porosity that was removed by grinding.

A detailed listing of all Class 2 ISI Component Examinations is documented within Attachment IA of the 2005 Outage 90 Day Report.

CLASS 3 COMPONENTS:

A total of 11 component supports were examined utilizing the VT (visual) examination method. A detailed listing of all Class 3 ISI Component Examinations is documented within Attachment IA of the 2005 Outage 90 Day Report. These examinations are identified with a I500,000 series ISI Summary Number.

HIGH ENERGY COMPONENTS:

Fourteen (14) components associated with the High Energy Program were examined during the 2005 Outage. Examinations for these items were performed on welds, component supports and associated integral attachments. A total of 37 examinations were performed. The examinations for these components consisted of 14 VT's, 11 MT's, 1 PT, 7 RT's and 4 UT's.

A detailed listing of all High Energy Component Examinations is documented within Attachment IA of the 2005 Outage 90 Day Report. These examinations are identified with a I200,000 series ISI Summary Number.

STEAM GENERATOR TUBING:

ASME and Owner Elected Examinations were performed on tubes in the "A" and "B" Steam Generators (S/G) during the 2005 Outage.

The following examinations were performed on both "A" and "B" Steam Generators:

- 50% Full Length Bobbin Coil Examination
- 20% Row 1 & 2 tight radius U-bend MRPC
- 20% TTS H/L transition MRPC
- Visual Examination of Tube Plugs
- MRPC of Outer radius Tube to Tube proximity tubes
- Diagnostic MRPC examinations
- TTS Fosar & inner bundle visual sampling
- Upper bundle inspection in "A" S/G only

During the 2005 Ginna Refueling outage a foreign object was detected in the "B" S/G cold leg, a small wire was removed from the "A" S/G hot leg, and a possible loose part "PLP" eddy current signal was also detected in the "A" S/G. Each location was reviewed and Westinghouse was requested to perform an analysis of each location.

The "B" S/G had an indication of a possible loose part which was detected with the bobbin coil in the "B" S/G cold leg. The tube locations exhibiting the "PLP" indications were row 50 column 114, and row 48 column 114 and were located on the periphery. There was no detectable degradation with either tube or surrounding tubes with the bobbin coil. The axial location of the foreign material was approximately 20.5" above the top of tube sheet (TTS). The "B" S/G was drained for a secondary side visual exam with a remote video probe. The inspection confirmed the presence of a piece of foreign material wedged in between tubes row 50 column 114, and row 48 column 114. The location of the object is within the shroud and tube bundle annulus region, below the first lattice grid, and within the two periphery tubes.

The two tubes mentioned above were examined from the tubesheet to the first lattice grid with MRPC which encompassed the foreign object location axially, as well as a bounding program which encompassed the adjacent tubes. No detectable degradation was found on any tube locations. The 35 kHz pancake and pluspoint coils were also reviewed for foreign material response from all bounding tubes. Only row 50 column 114, and row 48 column 114 exhibited foreign material responses.

These tubes were last inspected during the 1999 RFO with no evidence of foreign material during that inspection.

Repeated attempts were made for retrieval with manual grippers of varying sizes. The attempts were not successful due to the foreign material being firmly fixed within the tube bundle location. The grippers were grappled on the material repeatedly, with no material budging or movement. This provided the feedback that this material was extremely fixed at this location, and normal mechanical means was not going to be successful for foreign object removal.

Based on close visual inspection, the foreign material is estimated to be approximately $\frac{1}{4}$ " x $\frac{1}{2}$ " and .030" - .040" thick. The exact dimension cannot be determined, as it is wedged between two tubes and curled over. The material has been fixed for some time based on the amount of localized deposition that has settled on and adjacent to the object. There were also no signs of flow streaming, or tube fretting. There were no visible signs of foreign material corrosion or foreign material degradation. Based on the objects size and location it is unlikely that the material would break up and cause damage to other tube locations.

A conclusive quantitative means of estimating foreign material to tube wear potential could not be estimated. So a conservative approach of installing four (4) 86" length tube stabilizers at the area of interest on the cold leg, and removing all affected tubes from service with mechanical plugs on both the hot leg and cold leg locations was performed. This included the two tubes in contact with the foreign material, and in addition two bounding tubes. The listing of tube locations is as follows:

Row	Column	
50	114	
48	114	
47	115	
49	113	

During the "A" S/G examination a "PLP" was detected during a TTS inner bundle visual examination. The location row 37 column 67 is approximately 60 rows in from the periphery. The small wire was removed and physically measured to have dimensions of .75" in length and .011" in diameter. This area was bounded with a TTS MRPC examination with no degradation. During the review of this small wire, it was concluded that if similar wires were potentially left in the steam generators, they would not result in significant tube wear. Wires of this size have insufficient mass to cause impact damage and generally break into smaller pieces before they can cause significant wear on a tube. Fluid velocities of this magnitude, in combination with the small flow area of the wire, typically result in long wear times. In addition, tube vibration in this region of the tube bundle is minimal, which will further reduce the wear rate. To develop a more quantitative estimate of potential tube wear, Westinghouse reviewed calculations from other plants and associated wear rates for similar size loose parts from these other plants while making adjustments for higher fluid velocities and a tighter tube bundle pitch in the Ginna specific S/G conditions. It was possible to estimate a potential wear rate, and under the worstcase conditions it was estimated that it would take at least seven years for a 2-inch long wire to wear a tube to the plugging limit of 40% through-wall. Note that the above estimate is conservative in that it assumes the wire will not wear and the tube will. If it is assumed that the wire wears at the same rate of the tube (the more probable scenario), the wire will simply fall apart before it can wear a tube to the plugging limit. Based on this evaluation, it was concluded that wires similar to the one removed from "A" S/G will not cause significant tube wear in the Ginna S/Gs.

Also during the "A" S/G examination a "PLP" was detected with the bobbin coil located at row 94 column 54 and row 93 column 55 at an elevation of 9" above TTS. This location is approximately 8 rows in from the periphery. This area was bounded with a TTS MRPC examination with no degradation. It was concluded that the loose part at 9" above TTS in S/G "A" does not require plugging or stabilizing. This conclusion is based on previous inspections that showed the potential loose part did not cause wear on the affected tubes. Tube row 94 column 54 has been operating for at least 6 years with a PLP identified and no degradation. Similarly, tube row 93 column 55 has been operating for at least 3 years with a PLP identified and no degradation. These previous inspections had categorized the "PLP" signal as a deposit. Since there has been no change in the eddy current signal in that time, it is concluded that the PLP is not capable of causing significant tube damage. This process for dispositioning PLPs based on past history has been used at several plants. Since the eddy current signal had not changed and they caused no tube wear, the tubes were left inservice.

Steam Generator Eddy Current Examinations are summarized in Attachment 1A. These examination summaries are identified with an I800,000 series ISI Summary Number. Steam Generator Eddy Current Examination Final Report is contained within Attachment III.

SYSTEM PRESSURE TESTS:

Leakage Testing:

A total of twenty (20) Leakage Examinations were performed. Leakage tests performed included one (1) Class 1, Reactor Coolant System (PT-7) examination, eleven (11) Class 2 system examinations and eight (8) Class 3 system examinations. A detailed listing of all ISI Class 1, 2 and 3 System Leakage Tests are documented within Attachment IA of the 2005 Outage 90 Day Report. These examinations are identified with an I400,000 series ISI Summary Number.

EXPANDED EXAMINATIONS:

Two (2) components were classified as a "Service Induced Rejects". The following list identifies the components that had Code expanded examinations performed.

RHU-114 (Guide-loose sway strut nuts) RHU-41 (Spring Can-setting out of specification)

REPAIR & REPLACEMENT PROGRAM:

A total of 66 ASME Section XI Code Repair and Replacement activities were performed during this cycle as documented within Attachment II of the 2005 Outage 90-Day Report.

SNUBBER PROGRAM:

Visual Examinations:

A total of 22 Snubber component supports were Visually (VT) examined. These Augmented examinations were performed to satisfy Ginna Station Snubber Program commitment.

One, Class Q, Hydraulic Snubber Component Support PS-2, was visually examined and rejected due to low fluid level. The Snubber was Functionally Tested and found operable.

Functional Testing:

A total of 18 snubbers were Functionally Tested (FT) during the 2005 outage. From the eighteen snubbers that were tested, 14 were mechanical snubbers and 4 were hydraulic snubbers.

One Mainsteam Mechanical Snubber, MSU-7 West, was Functionally Tested and Failed. The Snubber was replaced. Due to the failure of Mechanical Snubber MSU-7 West, an expansion was performed. The expansion consisted of two Mechanical Snubbers, MSU-25 and MSU-16 South. Both were Functionally Tested and found operable.

Snubber Functional Tests (FT) were performed on the following:

Mechanical Snubbers	• •		
AFU-52	CVU-351	FWU-54	MSU-7 (Top/West)
MSU-7 (Bottom/East) MSU-16(South)	MSU-25	MSU-27
MSU-38	MSU-74	MSU-82	RHU-36
SIU-52	SWU-309		
Hydraulic Snubbers:			
FWU-3	N608	PS-2	SGA-7

A detailed listing of all Snubber Program Examinations is documented within Attachment IA of the 2005 Outage 90 Day Report. These examinations are identified with an I600,000 series ISI Summary Number.

SEISMIC SUPPORT PROGRAM:

Five (5) Seismic Supports were inspected this outage utilizing the visual (VT) examination technique.

A detailed listing of all Seismic Support Component Examinations are documented within Attachment IA of the 2005 Outage 90 Day Report. These examinations are identified with an I700,000 series ISI Summary Number.

CONTAINMENT IWE/IWL PROGRAM:

The Containment IWE/IWL Program consist of the metallic liner (IWE) and concrete (IWL) relating to the Containment structure, including tendons (IWL). During the 2005 Outage, a total of 206 items were examined. These items consisted of 9 Appendix J Tests, 18 IWL Concrete examinations, 25 IWE Liner examinations, 160 Tendon Grease Cap examinations and 2 examinations on an area of the metallic liner prior to and after the application of paint/coating.

Other Tendon Examinations for the Second Period Containment Program (IWL) was not performed during the 2005 Outage but shall be completed on or before December 31, 2005. The results of these inspections will be included within the 2006 Outage 90-Day Report.

A detailed listing of all Containment IWE/IWL Program Examinations is documented within Attachment IB and Attachment IC of the 2005 Outage 90 Day Report. These examinations are identified with an 1900,000 series ISI Summary Number.

EROSION/CORROSION MINWALL PROGRAM:

A total of 390 components were examined and mostly performed online. Of this total, 216 components were examined utilizing the Radiographic method and 174 components utilized the Ultrasonic method. The breakdown of this total by component type is as follows:

Type	Total Number
Large Bore Components	162
Small Bore Components	139
Miscellaneous Components	31
Service Water Components	58

A detailed listing of all Erosion/Corrosion Minwall Program Examinations is documented within Attachment IV of the 2005 Outage 90 Day Report.

The statements made within this Report and associated Attachments are correct and the examinations as well as corrective measures taken conform to the Rules of the ASME Code, Section XI.

Prepared By: Frank A. Klepacki **ISI** Engineer **Reviewed By:** Paul A. Lewis Date Director, Laboratory Inspection Services 6/30/09 Approved By: Peter Bamford Interim Director, **Reliability Engineering**

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspections and the State or Province of <u>N/A</u> and employed by <u>ABS of</u> <u>Houston TX</u> have inspected and/or verified the components described within this report and associated Attachments during the stated reporting time frame, and state to the best of my knowledge and belief, the Owner has performed examination and corrective measures described in this Report in accordance with the requirements of the ASME Code, Section XI. 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.

Reviewed By: J. Longenberger – ANII Date

R. E. GINNA NUCLEAR POWER PLANT

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: 1995 Edition with 1996 Addenda (ISI) or 1992 Edition with 1992 Addenda (IWE/IWL Containment)

ATTACHMENT I

NIS-1 Sub-Attachments:

- 1A ISI Program Examination Results
- 1B Containment IWE IWL Program Examination Results
- 1C IWE Appendix J Testing Results

APPENDIX II – MANDATORY Attachment 1B - 17 Pages Attachment 1A - 21 Pages

Page 1 of 2 Attachment 1C - 2 Pages

1. OwnerR	. E. Ginna Nuclear Power Plan	t, LLC, 1503 Lake Road, On	tario, NY 14519	
	(Name and	Address of Owner)		
2. PlantR	. <u>F. Ginna Nuclear Power Plan</u> (Name and	<u>t, 1503 Lake Road, Ontario,</u> 1 Address of Plant)	<u>New York 14519</u>	
3. Plant_14	. Owner Certificate of Authori	zation (if required)	N/A	
5. Commercial Service	Date07/01/1970_6. Natio	nal Board Number for Unit_	<u>N/A</u>	
7.Components Inspect	ed			
Component or Appurtenance	Manufacturer Or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No
(*)	(*)	(*)	(*)	(*)
	<u></u>			
				·
	·			

(*) See "Attachment 1A, 1B & 1C" For Applicable Information Note: Supplemental sheets in form of list, sketches, or drawings may be used, provided (1) size is 8¹/₂ in. x 11 in., (2) Information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00029) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

1995 with 1996 Addenda SECTION XI - DIVISION 1 1992 with 1992 Addenda SECTION XI - DIVISION 1

	FORM NIS-1 (Back)
8.	Examination Dates10/17/2003to4/11/2005
9.	Inspection Period Identification:Second Period (2005 Outage) / Second Period (2005 Outage)
10.	Inspection Interval Identification: Fourth Interval (2000 to 2009) / First Interval (1997 to 2008)
11.	Applicable Edition of Section XI1995 EditionAddenda 1996 (Class 1, 2 & 3 ISI)1992 EditionAddenda 1992 (IWE & IWL)
12.	Date/Revision of Inspection Plan: 2005 Outage Inspection Plan
13.	Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See "Attachment 1A, 1B & 1C" for Applicable Information
14.	Abstract of Results of Examinations and Tests. See "Attachment 1A, 1B & 1C" for Applicable Information.
15.	Abstract of Corrective Measures. See "Attachment 1A, 1B & 1C" for Applicable Information.
I, i an co: an de By	CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors d the State or Province of <u>N/A</u> and employed by <u>ABS</u> of <u>Houston, TX</u> have inspected the mponents described in this Owner's Report during the period <u>10/17/2003</u> to <u>4/11/2005</u> , d state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures scribed in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, necerning the examinations corrective measures described in this Owner's Report. Furthermore, neither the Inspector
Co no or	r his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from connected with this inspection.
Cc no or	r his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from connected with this inspection. <u>James Tongenbuy</u> Commissions <u>NB10195</u> AKII Inspector's Signature National Board, State, Province, And Endorsement Date June 17 2005

	(((
		<u>Attachment 1A - ISI Report - 2005 (</u>	<u>Dutage</u>					P	age of 1 -	21	
<u>Owner:</u> Plant:	R.E.Ginna Nuclear Power Plant, L R E Ginna Nuclear Power Plant, 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Optario NY 14519		Owner (<u>Certificate of</u>	N/A 7/1/197(า				
Plant Unit:	1	Nina Nuclear Fower Flant, 1909 Lake Road, Ontario NT 14919 <u>Dominerolar Gervice Date:</u> National Board Number for Unit:					N/A				
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	hod/Sheet/	Results	System	ISO #	
Class 1											
1000701	RPV INTERIOR	VESSEL INTERIOR	B-N-1	B13.10	VT-110	VT	05GV362	Accept	RPV	A-1	
Comments:	s: 05- VT: Partial Exam-Thermal Couple conduit cut during 03 RFO, Upper internal Pick to Upper cavity stand, verify no Fuel Assemblies attached, Upper Internal Package insp. on Stand, Upper Fuel Pins & Slip Pins insp. as Upper Internal Package was returned to Vessel. In-Vessel Insp. deferred to 06 RFO-Accept.										
1004350	SLN SE	NOZZLE-TO-SAFE END (SURGE LINE)	B-F	B5.40	PT-106	ΡT	05GP020	Reject	PZR	A-4	
_					PT-106	РТ	05GP045	Accept	PZR	A-4	
Comments:	: 05 - PT: Reject: Existing indications benign/grew or new indications developed. AR # 2005-1405 generated. Repair by blending performed - see RRM Summary # R05037. Post Repair: PT: Numerous rounded indications left - all code acceptable. Owner Elected Exam.										
1004600	RC-2501-ASW-1A	NOZZLE-TO-SAFE END (RELIEF LINE)	B-F	B5.40	PT-106	РТ	05GP014	Accept	PZR	A-4	
Comments:	05 - PT: No Recordable Indications -	Accept. Owner Elected Exam.									
1004800	RC-1000-MSW-1	SAFE END-TO-NOZZLE (SPRAY LINE)	B-F	B5.40	PT-106	РТ	05GP016	Accept	PZR	A-4	
Comments:	05 - PT:'2 rounded indications 1/16" 8	3/16" - Accept. Seen in previous exam. Owner Elected	ed Exam					•			
1005000	RC-273-I	NOZZLE-TO-SAFE END (SAFETY #1)	B-F	B5.40	PT-106	РТ	05GP011	Accept	PZR	A-4	
Comments:	05 - PT: Linear indications @ 1 7/8", 2 Elected Exam.	2 1/2" & 7 1/4" - No change since previous exam - Acco	ept. Two (2	!) new ind	ications noted	in sa	fe end base	e material	 Acceptab 	le. Owner	
1005200	RC-273-S	NOZZLE-TO-SAFE END (SAFETY #2)	B-F	B5.40	PT-106	PT	05GP015	Accept	PZR	A-4	
Comments:	05 - PT: Rounded indication - 1/8" dia	No change from previous exam - Accept. Owner Ele	ected Exam	•							
1007430	IMN-BR	INLET MANWAY NUTS (20)	B-G-2	B7.30	VT-108	VT	05GV342	Accept	SG	A-5	
Comments:	05- VT: No Recordable Indications -	Acceptable						·			
1007435	IMS-BR	INLET MANWAY STUDS (20)	B-G-2	B7.30	VT-108	VT	05GV343	Accept	SG	A-5	
Comments:	05- VT: No Recordable Indications -	Acceptable									
1011000	PL-FW-II/10A-RC0-2501-A	10" BRANCH WELD	B-J	B9.31	UT-208	UT	05GU031	Accept	RC	A-3-1A	
					UT-208	UT	05GU021	Accept	RC	A-3-1A	
					UT-208	UT	05GU020	Accept	RC	A-3-1A	
					PT-106	PΤ	05GP040	Accept	RC	A-3-1A	
Comments:	05 - PT: No Recordable Indications -	Accept. UT: Base Metal Lamination - No Recordable I	ndications -	Accept.	UT: PDI - No i	Indica	ations - Acc	ept.			
1012100	PL-FW-VI	PUMP(RCP-A)-TO-PIPE	B-J	B9.11	UT-208	UT	05GU016	Accept	RC	A-3-1C	
					PT-106	PT	05GP028	Accept	RC	A-3-1C	
Comments:	05- PT: No Recordable Indications - A covered -Accept. No RL wave scan p	Accept. UT: PDI, Utilized 1995 Lamination Scan & Coverformed-Reschedule 2006.	verage Plot.	Single-si	ded access, fa	ır side	e of weld na	ot examine	d, 64% of v	weld was	

	(((
Owner	P.C. Ciano Nucleas Down Black	Attachment 1A - ISI Report - 2005 (<u>Dutage</u>	0		A 41		Pa	age of 2 - 2	21
<u>Owner:</u> Plant:	ant: R E Ginna Nuclear Power Plant, LLC, 1503 Lake Road, Ontario NY 14519 Own				rcial Service	N/A 7/1/1070				
Plant Unit:	1		National Bo			ional Board Number for Unit:				
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Method	d/Sheet/	Results	System	ISO #
1013500	PL-FW-XV	ELBOW-TO-PUMP(RCP-B)	B-J	B9.11	UT-204	UT 05	GU011	Accept	RC	A-3-2B
Comments:	05- PT: No Recordable Indications -	Accept. UT: No Recordable Indications - Accept. Utiliz	ed 1995 La	mination S	PT-106 Scan and Cove	PT 05 erage Plo	GP012 ot.	Accept	RC	A-3-2B
1015400	BSW-1		B-I	R9 21	UT-208	UT 05	GU025	Accept	P7R	A-10
			20	50.21	UT-208	UT 05	GU022	Accept	PZR	A-10
					PT-106	PT 05	GP021	Accept	PZR	A-10
Comments:	05 - PT: No Recordable Indications - Program	Accept. UT: Base Metal Lamination - No Recordable I	ndications -	Accept. l	JT: PDI - No li	ndication	is - Acce	pt. Small	Bore Life Ex	tension
1019800	Α	NOZZLE-TO-PIPE	B-J	B9.21	PT-106	PT 05	GP043	Accept	PZR	A-10
		•			UT-208	UT 05	GU019	Accept	PZR	A-10
Comments:	05 - PT: NRI - Accept. UT: PDI - No Extension Program.	Indications - Accept. Scanned across weld for 100% cc	verage. Ba	ase Metal	Lamination/Pr	ofile perf	formed i	n 1985. Si	mall Bore Li	fe
1021100	DSW-3	PIPE-TO-ELBOW	B-J	B9.21	UT-208	UT 05	GU027	Accept	PZR	A-10
Comments:	05- UT: Base Metal Lamination- No F	Recordable Indications- Accept. UT: PDI - No Indication	s - Accept.	Coverage	UT-208 Plot performe	UT 05 ed 2005.	GU028 Small B	Accept ore Life E:	PZR xtension Pro	A-10 gram
1022700	CVU-67	RIGID RESTRAINT	F-A	F1.10A	VT-106	VT 05	GV318	Accept	CVCS-CHI	A-11
Comments:	05- VT: No Recordable Indications - /	Acceptable. ID tag missing.						·		
1022800	CVU-68	RIGID RESTRAINT	F-A	F1.10B	VT-106	VT 05	GV317	Accept	CVCS-CH	A-11
Comments:	05-VT: No Recordable Indications - A	Acceptable								
1023300	CVU-70		F-A	F1 10B	VT-106	VT 056	GV320	Accent	CVCS.CH	A_11
Comments:	05- VT: No Recordable Indications - A	Acceptable		1.100			01020	riccept	0000-011	
1024000	14	PIPE-TO-COUPLING	B-J	B9.40	PT-106	PT 050	GP026	Accept	CVCS-CH	A-11
Comments:	05 - PT: No Recordable Indications -	Accept	2.0	20110			0. 020	riooopt		
1025300	21	ELBOW-TO-PIPE	B-J	B9 40	PT-106	PT 050	GP022	Accent	CVCS-CH	A-11
Comments:	05 - PT: No Recordable Indications -	Accept.					0. 022	100000	0100 011	
1025400	22	PIPE-TO-VALVE(297)	B-J	B9.40	PT-106	PT 050	GP056	Accept	CVCS-CH	A-11
Comments:	05 - PT: Rounded indication - 1/32" -	Accept.	-						5100 011	
1026000	27	PIPE-TO-REDUCER	B-J	B9.40	PT-106	PT 050	GP013	Accept	PZR	A-11
					RT-104	RT 05	GRT001	Accept	PZR	A-11
Commentes	OF DT. No Deservable Indiantions	Associated DT. Townships (110) Associated Device (17)	0112512							

Comments: 05 - PT: No Recordable Indications - Accept. RT: Tungsten, IUC - Accept. Exam forThermal Stratification.

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		Attachment 1A - ISI Report - 2	2005 Outage					P	age of 3 -	21
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, LLC, 1503 Lake Road, Ontario NY 14519 R.E.Ginna Nuclear Power Plant, 1503 Lake Road, Ontario NY 14519 1			<u>Owner</u> Comme Nationa	Certificate of ercial Service al Board Num	N/A 7/1/1970 N/A				
Summary #	Comp ID	Comp Desc.	Category	ltem	Procedure	Me	thod/Sheet	/Results	System	ISO #
I026600 Comments:	C 05 - PT: No Recordable Inc	REDUCER-TO-VALVE(515) dications - Accept	B-J	B9.21	PT-106	PT	05GP036	Accept	PZR	A-12
1028200	Q	REDUCER-TO-ELBOW	B-J	B9.11	PT-106 UT-208	PT UT	05GP010 05GU007	Accept Accept	PZR PZR	A-13 A-13
Comments:	05 - PT: No Recordable Inc	dications - Accept. UT: PDI - No Indications - Accept. Bas	e Metal Lamination	performe	ed in 1995.					
1029100	ASW-1	PIPE-TO-ELBOW	B-J	B9.11	PT-106 PT-106 UT-208	PT PT UT	05GP033 05GP038 05GU013	Reject Accept Accept	RHR RHR RHR	A-14 A-14 A-14
Comments:	05- PT: Rej- 3 Rounded In PT- see Sum # R05040. P	dications- not service induced- AR# 2005-1451 generated T: No Recordable Indications- Accept. UT: PDI - No Indic	l. Metal removal re ations - Accept. Us	bair- 1995 ed 1995	5 lam scan use lam scan with	ed for new	UT thickne Coverage P	ss. Post r	epair UT th	ckness &
1033800	FSW-1	PIPE-TO-ELBOW	B-J	B9.11	PT-106 UT-208	PT UT	05GP049 05GU023	Accept Accept	HPSI HPSI	A-16 A-16
Comments:	05 - PT: No Recordable Inc	dications - Accept. UT: PDI - No Indication - Accept. UT:	: Base Metal Lamin	ation per	formed in 198	7.				
I034300 Comments:	H 05- UT: PDI, Utilized 1993 Indications - Accept RL wa	PIPE-TO-VALVE(867A) Lamination Scan & Coverage Plot. 50% coverage obtair ave scan performed incorrectly - Reschedule 2006.	B-J ned due single-side	B9.11 d access	UT-208 Shear wave :	UT scant	05GU026 ning perform	Accept ned on nea	HPSI ar-side of w	A-16 /eld - No
1038100	F	ELBOW-TO-PIPE	B-J	B9.11	PT-106 UT-208 UT-208	PT UT UT	05GP009 05GU006 05GU033	Accept Accept Accept	RC RC RC	A-14 A-14 A-14
Comments:	05- PT: No Recordable Ind performed in 1994.	ications - Accept. UT: Base Metal Lamination- No Record	dable Indications- /	Accept. U	JT: PDI - No In	dicat	ions - Acce j	ot. Utilized	l coverage	plot
I038700 Comments:	FSW-19 05 - PT: No Recordable Ind	TEE-TO-REDUCER dications - Accept.	B-J	B9.40	PT-106	PT	05GP050	Accept	HPSI	A-19
I041700 Comments:	GSW-15 05 - PT: No Recordable Inc	ELBOW-TO-PIPE dications - Accept.	B-J	B9.40	PT-106	РТ	05GP025	Accept	HPSI	A-21
I042200 Comments:	GSW-20 05 - PT: No Recordable Inc	2" PIPE-TO-BRANCH CONNECTION dications - Accept	B-J	B9.40	PT-106	РТ	05GP048	Accept	RC	A-21
I044900 Comments:	20 05 - PT: No Recordable Inc	PIPE-TO-ELBOW dications - Accept.	B-J	B9.40	PT-106	РТ	05GP041	Accept	CVCS-LT	C A-23
I045425 Comments:	CVU-33 05- VT: No Recordable Ind	GUIDE ications - Accept.	F-A	F1.10B	VT-106	VT	05GV245	Accept	CVCS-LT	C A-23

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		Attachment 1A - ISI Report - 2005 (Outage					P	age of 4 - 21		
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519		Owner Certificate of Authorization (If Req.): Commercial Service Date: National Board Number for Unit:					N/A 7/1/1970 N/A		
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Meth	nod/Sheet	Results	System	ISO #	
I046800 Comments:	CVU-29 (IA) 05- PT: No Recordable Indications - /	INTEGRAL ATTACHMENT Acceptable	B-K	B10.20	PT-106	PT	05GP044	Accept	CVCS-LTI	CA-23	
I046820 Comments:	CVU-29 05- VT: No Recordable Indications - /	RIGID RESTRAINT (IA) Acceptable	F-A	F1.10B	VT-106	VT	05GV313	Accept	CVCS-LTI	CA-23	
1048202 Comments:	2 05 - PT: No Recordable Indications -	PIPE-TO-TEE Accept	B-J	B9.40	PT-106	PT	05GP042	Accept	CVCS-LTI	CA-24	
I049750 Comments:	20 05 - PT: No Recordable Indications -	ELBOW-TO-PIPE Accept	B-J	B9.40	PT-106	PT	05GP023	Accept	CVCS-CH	FA-31	
I049765 Comments:	19 05 - PT: No Recordable Indications -	PIPE-TO-ELBOW Accept. Limitation - pipe support - > 90%.	B-J	B9.40	PT-106	PT	05GP024	Accept	CVCS-CH	FA-31	
1050730 Comments:	21B 05 - PT: No Recordable Indications -	VALVE(9314)-TO-PIPE Accept.	B-J	B9.40	PT-106	PT	05GP054	Accept	CVCS-CH	f A-25	
I050740 Comments:	CVU-6 05- VT: Required cold setting per ME	VARIABLE SPRING 303 Rev 5 is 85# - Actual 80#. No Recordable Indicat	F-A lions - Acce	F1.10C ptable.	VT-106	VT	05GV308	Accept	CVCS-CH	f A-25	
I050745 Comments:	21C 05 - PT: No Recordable Indications -	TEE-TO-REDUCER Accept.	B-J	B9.40	PT-106	PT	05GP052	Accept	CVCS-CH	FA-25	
I050750 Comments:	22 05 - PT: No Recordable Indications -	PIPE-TO-VALVE(295) Accept.	B-J	B9.40	PT-106	PT	05GP057	Accept	CVCS-CH	f A-25	
1050800 Comments:	23 05 - PT: No Recordable Indications -	VALVE(295)-TO-PIPE Accept	B-J	B9.40	PT-106	PT (05GP027	Accept	RC	A-25	
I050885 Comments:	23A 05- PT: No Recordable Indications - /	PIPE-TO-COUPLING Accept	B-J	B9.40	PT-106	PT	05GP003	Accept	RC	A-25	
1050888 Comments:	23B 05 - PT: No Recordable Indications -	COUPLING-TO-PIPE Accept.	B-J	B9.40	PT-106	PT	05GP058	Accept	RC	A-25	
I051400 Comments:	20 05 - PT: No Recordable Indications -	VALVE(392B)-TO-PIPE Accept. Limitations - Due to support, >90% obtained.	B-J	B9.40	PT-106	PT	05GP047	Accept	CVCS-CH	FA-26	

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		Attachment 1A - ISI Report - 2005 (Jutano					P	age of 5 -	21	
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	R.E.Ginna Nuclear Power Plant, LLC, 1503 Lake Road, Ontario NY 14519 R.E.Ginna Nuclear Power Plant, 1503 Lake Road, Ontario NY 14519 1		Owner Certificate of Authorization (If Req.): Commercial Service Date: National Board Number for Unit:						N/A 7/1/1970 N/A	
Summary #	Comp ID	Comp Desc.	Category	ltem	Procedure	Met	hod/Sheet/	Results	System	ISO #	
I052500 Comments:	30 05 - PT: No Recordable Indications -	ELBOW-TO-PIPE Accept.	B-J	B9.40	PT-106	PT	05GP046	Accept	CVCS-CH	IF A-26	
1052700 Comments:	32 05- PT: No Recordable Indications - A	PIPE-TO-COUPLING Acceptable	B-J	B9.40	PT-106	PT	05GP035	Accept	CVCS-CH	lf A-26	
1053300	38	VALVE(383A)-TO-PIPE	B-J	B9.40	UT-202 PT-106	UT PT	05GU018 05GP037	Accept Accept	RC RC	A-26 A-26	
Comments:	: 05 - High Radiation - Contact ALARA. Exam for Thermal Stratification. Cal Block used 2-SOCKET-71A REG. PT & UT: No Recordable Indications - Accept. >90% coverage										
1054930 Comments:	9B 05 - PT: No Recordable Indications -	VALVE(9315)-TO-TEE Accept.	B-J	B9.40	PT-106	РТ	05GP032	Accept	CVCS-CH	lf A-27	
l054960 Comments:	9D 05 - PT: No Recordable Indications -	TEE-TO-REDUCING INSERT Accept	B-J	B9.40	PT-106	РТ	05GP031	Accept	CVCS-CH	IF A-27	
I054980 Comments:	9E 05 - PT: No Recordable Indications -	TEE-TO-PIPE Accept	B-J	B9.40	PT-106	PT	05GP030	Accept	CVCS-CH	IF A-27	
l054990 Comments:	9F 05 - PT: No Recordable Indications -	PIPE-TO-TEE Accept.	B-J	B9.40	PT-106	PT	05GP055	Accept	CVCS-CH	lf A-27	
1055100	11	VALVE(393)-TO-PIPE	B-J	B9.40	PT-106	PT 11T	05GP029	Accept	RC RC	A-27 A-27	
Comments:	05 - Exam for Thermal Stratification,	Cal Block used 2-SOCKET-71A REG. PT & UT: No Re	ecordable Ir	ndications	- Accept. >90	% co	verage obta	ined.		7.27	
l055300 Comments:	12 05 - PT: No Recordable Indications -	PIPE-TO-NOZZLE Accept.	B-J	B9.40	PT-106	PT	05GP039	Accept	RC	A-27	
I057100 Comments:	EBA-1 05- VT: No Recordable Indications - /	EYEBAR Acceptable.	F-A	F1.40	VT-106	VT	05GV360	Accept	RC	A-7	
l057150 Comments:	EBA-2 05- VT: No Recordable Indications - /	EYEBAR Acceptable.	F-A	F1.40	VT-106	VT	05GV361	Accept	RC	A-7	
l057310 Comments:	LEG E 05- VT: No Recordable Indications - /	SUPPORT COMPONENTS Acceptable	F-A	F1.40	VT-106	VT	05GV364	Accept	RC	A-6	

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		Attachment 1A - ISI Report - 2005 (Dutage					Ρ	age of 6 -	21
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	ower Plant, LLC, 1503 Lake Road, Ontario NY 14519 Ow ower Plant, 1503 Lake Road, Ontario NY 14519 Con Nat			Certificate of a rcial Service	N/A 7/1/1970 N/A)			
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	hod/Sheet/	Results	System	ISO #
1057320 Comments:	LEG F 05- VT: No Recordable Indications - A	SUPPORT COMPONENTS Acceptable	F-A	F1.40	VT-106	VΤ	05GV365	Accept	RC	A-6
1057330 Comments:	LEG G 05- VT: No Recordable Indications - A	SUPPORT COMPONENTS Acceptable	F-A	F1.40	VT-106	VT	05GV366	Accept	RC	A-6
1057410 Comments:	RCP-B WELD A 05- VT: Insignificant indications - pits	PUMP CASING WELD from casting intermittent 360 degress around - grinding	B-L-1 j marks - n	B12.10 o change	VT-103 from previous	VT insp	05GV283 ection - Acc	Accept eptable	RC	A-7
1057420 Comments:	RCP-B WELD B 05- VT: Insignificant indications - pits	PUMP CASING WELD from casting intermittent 360 degress around - grinding	B-L-1 3 marks - n	B12.10 o change	VT-103 from previous	VT insp	05GV284 ection - Acc	Accept eptable	RC	A-7
1057430 Comments:	RCP-B WELD C '05- VT: Insignificant indications - pits previous inspection - Acceptable	PUMP CASING WELD s from casting intermittent 360 degress around - grindir	B-L-1 ig marks - (B12.10 gouge 1/2	VT-103 " x 1/32" deep	VT x 1/1	05GV285 6" wide @	Accept 11 1/2" - r	RC no change f	A-7 rom
I057910 Comments:	RCP-B SUPPORT #1 (IA) 05 - PT: indications similar to those se	INTEGRAL ATTACHMENT een in previous exams were observed. Limitation from	B-K 41" to 53" d	B10.30 lue to con	PT-106 nponent config	PT urati	05GP019 on - Accept	Accept . Owner E	RC lected Exa	A-7 n.
1057920 Comments:	RCP-B SUPPORT #2 (IA) 05 - PT: Indications similar to those se	INTEGRAL ATTACHMENT een in previous exams were observed. Limitation from	B-K 41" to 53" (B10.30 due to con	PT-106 nponent config	PT jurati	05GP018 ion - Accept	Accept . Owner E	RC lected Exa	A-7 n.
1057930 Comments:	RCP-B SUPPORT #3 (IA) 05 - PT: Indications similar to those se	INTEGRAL ATTACHMENT een in previous exams were observed. Limitation from	B-K 41" to 53" d	B10.30 Jue to con	PT-106 nponent config	PT Jurati	05GP017 ion - Accept	Accept . Owner E	RC lected Exa	A-7 n.
I058000 Comments:	EBB-1 05- VT: No Recordable Indications - A	EYEBAR Acceptable.	F-A	F1.40	VT-106	VT	05GV311	Accept	RC	A-7
1058050 Comments:	EBB-2 05- VT: No Recordable Indications - A	EYEBAR Acceptable.	F-A	F1.40	VT-106	VT	05GV312	Accept	RC	A-7
1058130	LEGL	SUPPORT COMPONENTS	F-A	F1.40	VT-106	VT	05GV277	Accept	RC	A-6
Comments:	05- VT: Corrosion noted on Hex Nuts	and Inner Radius of Casting, No cross sectional loss o	r wastage.	New Gus	VT-106 sets. No Reco	VT rdabl	05GV386 le Indication	Accept s - Accep	RC table	A-6
1058140	LEG M	SUPPORT COMPONENTS	F-A	F1.40	VT-106	VT	05GV385	Accept	RC	A-6
Comments:	05- VT: Corrosion noted on Hex Nuts	and Inner Radius of Casting, No cross sectional loss of	r wastage.	New Gus	sets, No Reco	rdabl	le Indication	s - Accep	table	M-0

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		Attachment 1A - ISI Report - 2005 (Dutage					P	age of 7 - 2	21
Owner:	R.E.Ginna Nuclear Power Plant, L	LC, 1503 Lake Road, Ontario NY 14519		Owner C	Certificate of	Auth	orization (If Reg.):	N/A	
Plant:	R.E.Ginna Nuclear Power Plant, 1	503 Lake Road, Ontario NY 14519		Comme	rcial Service	Date	<u>.</u>		7/1/1970	1
<u>Plant Unit:</u>	1			National	Board Num	ber f	or Unit:		N/A	
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	hod/Sheet	/Results	System	ISO #
1058150	LEG N	SUPPORT COMPONENTS	F-A	F1.40	VT-106	VT	05GV279	Accept	RC	A-6
					VT-106	VT	05GV387	Accept	RC	A-6
Comments:	05- VT: Corrosion noted on Hex Nuts	and Inner Radius of Casting, No cross sectional loss of	or wastage.	New Guss	sets, No Reco	rdabl	e Indicatior	ns - Accept	lable.	
1411000	PT-7 LEAKAGE TEST OF	REACTOR COOLANT SYSTEM	B-P	B15.XX	VT-109	VT	05GV420	Accept	RC	L-1
Comments:	05- VT-2: Performed on Class 1 piping 11588 Also utilized Mainentance list	g & components during PT-7. Generated AR #2005-18 for Valves requiring 4 hour hold time per Code Case 4	20 for Valv	e packing	leak & AR# 20	005-1	819 for Sw	ageloc fitti	ng above V	alve
1600080	SGA-7		SNLVT		VT-107	VТ	0561/286	Accont	80	A 7E
1000000	00/01		514-01	V I	VT-106	VT	0561/341	Accept	30	Δ_7E
Comments:	05- VT: Pre-Functional - Snubber S/N	AH5, Required cold setting 38 1/8", actual 38", no ID	lag, remote	dual rese	voir was 90%	fuli -	Accept. VT	: Post-Fun	ictional - Sn	ubber S/N
1600081	SGA-7		SN-ET	FT	FT	VТ	05G\/454	Accent	56	A.75
Comments:	05- FT: Functionally Tested Snubber-	S/N AH-5 Results are Sat. Re-installed Snubber- S/	N AH-16.	••		vi	0000404	Λυστρι	50	~~~
1601870	SIU-52	MECHANICAL SNUBBER	SN-VT	vī	VT-107	νт	05GV304	Accept	RHR	A-14
					VT-106	VT	05GV375	Accept	RHR	A-14
Comments:	05- VT: Pre-functional, Snubber S/N 1 setting per IP IIT 5 rev. 4 is 2 1/2". Act	5348, Required cold setting per IP IIT 5 rev. 4 is 2 1/2 tual is 2 5/8" - No Recordable Indications - Acceptable	", Actual is	2 1/2"- Ac	cept. Post-Fu	nctio	nal, Snubbe	er S/N 153	48, Require	d cold
1601871	SIU-52	MECHANICAL SNUBBER	SN-FT	FT	FT	VT	05GV446	Accept	RHR	A-14
Comments:	05- FT: Functionally Tested - Results	are Sat. Re-installed Snubber- S/N 15348.	•							
1802730	DIAGNOSTIC EXAM	SAMPLING HS AREAS - S/G A	B-Q	B16.20	ET-109	ЕΤ	05ET005	Accept	SG	•
Comments:	05- ET: Approx. 20% open tubes exar	nined fm hot leg tubesheet +/-3" fm secondary face. A	pprox. 20%	row 1&2 (u-bends exam	ined.	Approx 20	% hot leg	dents/dings	>2.0 volts
1002000	OPEN CENERATOR TURES	BORRIN COLL FOR FL SIC A	, additional		FT 400	exam	Inea -Accel	pt Accord	~~	
Comments:	05- ET: S/G-"A". Approx 50% of all op	en tubes examined from tube end to tube end. Also, a	B-Q Il peripheral	bio.20 I tubes ins	pected - Acce	nt.	0521004	Ассері	56	-
					F	F				
1802850	TUBE-TUBE PROXIMITY	OUTER RAD. U-BEND - S/G A	B-Q	B16.20	ET-109	ET	05ET006	Accept	SG	*
Comments:	05- ET: S/G-"A". 13 known outer perip	pheral tubes with detectable out of design tolerance for	tube to tub	e proximit	y were examir	ned -	Accept. Ev	valuated en	very 18 mor	oths.
1802900	EXISTING PLUGS	EXISTING PLUGS - S/G A	SG-VT	VT	VT-103	VT	05GV451	Accept	SG	*
Comments:	05- VT: S/G - "A", row 52, tube 14, inte	et & outlet tube ends was inspected. No Recordable In	dications -	Acceptab	le.					
1803730	DIAGNOSTIC EXAM	SAMPLING HS AREAS - S/G B	B-Q	B16.20	ET-109	ΕT	05ET002	Accept	SG	*
Comments:	05- ET: Approx. 20% open tubes exar	nined fm hot leg tubesheet +/-3" fm secondary face. A	pprox. 20%	row 1&2 u	u-bends exam	ined.	Approx 20	% hot leg (dents/dings	>2.0 volts
	examined. Approx 20% manufactured	buff marks MBM >5.0 volts on hot leg examined. Also	, additional	bobbin co	il indications e	exam	ined -Accer	pt	5	
1803800	OPEN GENERATOR TUBES	BOBBIN COIL - 50% FL - S/G B	B-Q	B16.20	ET-109	ET	05ET001	Accept	SG	*
Comments:	05- ET: S/G-"B". Approx 50% of all op	en tubes examined from tube end to tube end. Also, a	II periphera	l tubes ins	pected - Acce	pt.				

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	ν.	Attachment 1A ISI Penert - 2005 (Jutago					Pa	age of 8 - 2	21
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519	Julage	<u>Owner C</u> Comme National	Certificate of rcial Service Board Numl	Auth Date ber fo	orization (1 <u>::</u> or Unit:	<u>f Req.):</u>	N/A 7/1/1970 N/A	1
Summary #	Comp ID	Comp Desc.	Category	ltem	Procedure	Met	hod/Sheet/	Results	System	ISO #
1803850 Comments:	TUBE-TUBE PROXIMITY 05- ET: S/G-"B". 12 known outer perig	OUTER RAD. U-BEND - S/G B oheral tubes with detectable out of design tolerance for	B-Q tube to tub	B16.20 pe proximit	ET-109 y were examiı	ET ned -	05ET003 Accept. Eva	Accept aluated ev	SG ery 18 mon	ths.
I803900 Comments:	EXISTING PLUGS 05- VT: S/G - "B", row 67, tube 17, inl	EXISTING PLUGS - S/G B et & outlet tube ends was inspected. No Recordable In	SG-VT dications -	VT Acceptab	VT-103 le.	VT	05GV450	Accept	SG	÷
Class 2 1022200 Comments:	CVU-63 05- VT: No Recordable Indications - A	GUIDE Acceptable		F1.20B	VT-106	VT	05GV379	Accept	CVCS-CH	FA-11
1050966 Comments:	CVU-59 05- VT: Trace of dry boric acid was no	RIGID RESTRAINT oted on baseplate & floor - Acceptable		F1.20A	VT-106	VT	05GV391	Accept	CVCS-CH	I A-29
I077400 Comments:	CVU-410 05- VT: Component is different from o Item 8 is 9 1/2" X 5 1/2" X 7/16" plate	RIGID RESTRAINT (IA) Irawing. Item 1 is 4" Sch 40 pipe X 3 1/2" lg, Item 3 is 2 , Item 11 is 2 spacer nuts, DCR generated to reflect as	F-A 2- 3/8" jam i built - Acce	F1.20A nuts, Item eptable	VT-106 4 is 2- 3/8" wa	VT asher	05GV232 s, Item 6 is	Accept 10" X 6" X	CVCS-CH 7/16" stair	f B-6 iless plate,
I077500 Comments:	CVU-411 05- VT: Component is different from c Ig. Iten 4 is 2, 1/2" std washer. Item 1	RIGID RESTRAINT (IA) Irawing. Item 3 is 2, 1/2" jam nuts. Item 7 is 11" X 5" X 2 is 2 spacer nuts. Item 13 is 4" sch 40 pipe X 1 1/2" lg	F-A 7/16" stainl . DCR gene	F1.20B less plate. erated to r	VT-106 Item 9 is 10" eflect as built	VT X 4" 2 - Acc	05GV233 X 7/16" plat ept.	Accept e. Item 1 i	CVCS-CH is 4" sch 40	f B-6) pipe X 3"
1077600 Comments:	CVU-412 05- VT-3: Support Items not conformi	RIGID RESTRAINT (IA) ng to drawing. Support Abandomed in place per EWR-	F-A 2512, remo	F1.20A ove from IS	VT-106 SI Program.	VT	05GV234	Accept	CVCS-CH	FB-6
I077700 Comments:	CVU-413 05- VT: Component is different from of 7 is 11" X 5" X 7/16" stainless plate. I	RIGID RESTRAINT (IA) trawing. Item 1 is 4" sch 40 pipe X 3 1/2". Item 12 is 4" tem 9 is 10" X 4" X 7/16" plate. Item 13 is 2, spacer nu	F-A sch 40 pip is. DCR gei	F1.20B e X 1 1/2" nerated to	VT-106 lg. Item 4 is 2 reflect as buil	VT , 1/2" it - Ac	05GV235 std washer ceptable	Accept : Item 3 is	CVCS-CH 2, 1/2" jam	FB-6 nut. Item
1077800 Comments:	CVU-414 05- VT-3: Support Items not conformi	RIGID RESTRAINT (IA) ng to drawing. Support Abandomed in place per EWR-	F-A 2512, remo	F1.20A ove from IS	VT-106 Si Program.	VT	05GV236	Accept	CVCS-CH	f B-6
I077900 Comments:	CVU-415 05- VT: Component different from dra is 10" X 6" X 7/16" plate. DCR genera	RIGID RESTRAINT (IA) wing. Item 1 - 4" sch 40 pipe is 4 1/4" long. Item 3 is 2 ited to reflect as built - Accept.	F-A - 3/8" std ni	F1.20A ut. Item 8 i	VT-106 s 9 1/2" X 5 1/	VT /2" X	05GV237 7/16" plate.	Accept Item 10 is	CVCS-CH 1 spacer r	f B-6 nut. Item 6
1078950 Comments:	RHR PUMP A SUPPORT #3 05- VT: Boric Acid noted on Support I support Base was found Acceptable	SPLIT LINE SUPPORT(#3) Base - addresssed by Boric Acid Program via AR 2005	F-A -0587 & Su	F1.40 Im N05380	VT-106), also light ru	VT st not	05GV241 ed on bolts	Accept . After BA	RHR removal - e	B-28 ntire
1083850	G2-BC-2-B	FLANGE(3507)-TO-PIPE	C-F-2	C5.51	MT-105 RT-104	MT RT	05GM007 05GRT004	Accept Accept	MS MS	B-9A B-9A

Comments: 05 - MT: No Recordable Indications -Accept. RT: Insignificant - Porosity - Accept.

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		Attachment 1A - ISI Report - 2005	Outage					Р	age of 9 -	21
Owner:	R.E.Ginna Nuclear Power Plant,	LLC, 1503 Lake Road, Ontario NY 14519		Owner	Certificate of	Auth	norization (lf Rea.):	N/A	
Plant:	R.E.Ginna Nuclear Power Plant,	1503 Lake Road, Ontario NY 14519		Comme	ercial Service	Dat	e:		7/1/197	ט
Plant Unit:	1			Nationa	Board Num	ber	for Unit:		N/A	
Summary #	Comp ID	Comp Desc.	Category	ltem	Procedure	Me	thod/Sheet	/Results	System	ISO #
1087400	MSU-21	GUIDE	F-A	F1.20A	VT-106	VT	05GV230	Accept	MS	B-10A
Comments:	05- VT: Coating burned off at contac	t with Pipe, Bird Feces, No change since last inspection	on - Ref. AR#	#2000-15 4	15 - Acceptabl	e.		·		
1087500	MSU-23	VARIABLE SPRING	F-A	F1.20C	VT-106	ντ	05GV231	Accept	MS	B-10A
Comments:	05- VT: No Recordable Indications -	Required Spring Can setting per ME-303 is 9879#, Ac	tual is 9871#	# ~ Accept	able.			·		
1090300	L2-BC-1-A	PIPE-TO-VALVE(3504)	C-F-2	C5.51	RT-104	RT	05GRT01	1 Accept	MS	B-10
					MT-105	MT	05GM024	Accept	MS	B-10
					RT-104	RT	05GRT002	2 Reject	MS	B-10
					MT-105	MT	05GM010	Accept	MS	B-10
Comments:	05- MT: No Recordable Indications - service induced, AR# 2005-1430 ge	Accept. RT: Rej: Indications were noted on previous e nerated. Repair performed. MT: No Recordable Indicat	ions - Accer	ot to the ex ot. RT [.] Poi	xtent of being rosity and star	rejec 1 note	table - Origi	onal Fabri	cation - Sla	g - not
1090820	MSU-55	MECHANICAL SNUBBER	F-A	F1.20C	VT-106	, VТ	05GV363	Accept	MS	B-10
Comments:	05- VT-3: Snubber S/N 18195, requi	red setting per IP IIT 5 rev 4 is 3 3/16" Actual is 2 13/10	6"- No Reco	rdable Ind	lications- Acce	eptab	le	1.000pt	ine	510
I091250 Comments:	FWU-14 05- VT: No Recordable Indications -	RIGID RESTRAINT Acceptable.	F-A	F1.20A	VT-106	VΤ	05GV390	Accept	FW	B-11
1093700	DD5	PIPE-TO-ELBOW	C-F-2	C5 51	MT-105	мт	05GM012	Accent	FW	B-12
				00.01	UT-209	UT	05GU030	Accent	FW	B-12 B-12
					UT-209	UT	05GU029	Accept	FW	B-12
Comments:	05- MT: No Recordable Indications -	Accept. UT: Base Metal Lamination - No Recordable	Indications -	Accept. I	JT: PDI - No I	ndica	tions - Acce	pt.		0-12
1094575	FWU-41	VARIABLE SPRING	F-A	F1.20C	VT-106	vт	05GV399	Accept	FW	B-14
Comments:	05- VT: Required Cold Setting per M Acceptable per Engineering.	IE 303 Rev 5 is 5339#, Actual 5778# - Acceptable. Ind	lications note	ed on low	er Hanger Roo	1 - 1/	/64" to 1/32"	deep X 3	60 degrees	
1094800	N1	ELBOW-TO-PIPE	C-F-2	C5.51	PT-106	РТ	05GP060	Accept	FW	B-14
					MT-105	MT	05GM005	Accept	FW	B-14
					RT-104	RT	05GRT012	2 Accept	FW	B-14
Comments:	05 - MT: No Recordable Indications 12% - Accept. RT: No Recordable I	- Limited exam due to support - 87% - Accept. PT: No ndications - Film trimmed to fit between support - Acce	Recordable	Indication	ns - exam of w	eld fa	ace in area l	MT could r	not be perfo	ormed -
1099900	BB-R	ELBOW-TO-SAFE END (S/G-B)	C-F-2	C5 51	PT-106	РТ	05GP051	Accept	FW	B-13
Comments:	05- PT: No Recordable Indications -	Accept. UT: PDI - Deferred to RFO 06 Outage - Need	specific Squ	uint Angle	and Focal De	pth f	or transduce	ers.		510
1108100	21R (WELD 35)	ELBOW-TO-TEE	C-F-1	THIN	PT-106	PT	05GP001	Accept	HPSI	B-16A
					UT-208	UT	05GU001	Accept	HPSI	B-16A
					UT-102	UT	05GU032	Info	HPSI	B-16A
Comments:	05 - PT: No Recordable Indications	Accept. UT: PDI Exam - No Recordable Indications - A	Accept. Base	e Metal La	mination/Prof	ile pe	erformed in 2	2005.		-

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		Attachment 1A - ISI Report - 200	5 Outage	•				Pa	ge of 10 -	21
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, R.E.Ginna Nuclear Power Plant, 1	LLC, 1503 Lake Road, Ontario NY 14519 1503 Lake Road, Ontario NY 14519		<u>Owner (</u> Comme Nationa	Certificate of rcial Service Board Num	Auth Date ber f	orization (i <u>e:</u> or Unit:	l <u>f Req.):</u>	N/A 7/1/1970 N/A) .
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	hod/Sheet	Results	System	ISO #
1110650 Comments:	RHU-9 05- VT: No changes from last inspec	RIGID SUPPORT (IA) tion - Acceptable	F-A	F1.20A	VT-106	VT	05GV350	Accept	RHR	B-17
I110655 Comments:	RHU-9 (IA) 05- PT: No changes from previous in	INTEGRAL ATTACHMENT	C-C	C3.20	PT-106	PT	05GP053	Accept	RHR	B-17
I124200 Comments:	RHU-102 05- VT: Over sized Support Base Pla	RIGID SUPPORT (IA) ate noted and conforms to ME-121 & CE-153 require	F-A ments - Accer	F1.20A otable.	VT-106	VT	05GV225	Accept	HPSI	B-19
1130050	RHU-93	VARIABLE SPRING (IA)		F1.20C	VT-106 VT-106	VT VT	05GV244 05GV238	Accept Accept	RHR RHR	B-21 B-21
Comments:	05- VT: Required setting per ME 303	is 1903#, Actual setting is 1935#, Light corrosion n	oted on inside	of can - (Ref. N05074	& N05	5118) - Acce	eptable.		
1130150	RHU-92	MECHANICAL SNUBBER		F1.20C	VT-106 VT-106	עד VT	05GV215 05GV214	Accept Accept	RHR RHR	B-21 B-21
Comments:	05- VT: BAMP inspection (Sum# N0 replaced under WO 20501165 with 3	5392) noted Snubber S/N 22190 having Boron on it. S/N 18750 due to light corrosion on housing. Require	AR# 2005-058 d setting per l	39 generat P IIT 5 rev	ted for Function 4 is 2". Actu	onal te al is 2	esting, Snut 1/4", NRI -	ber opera Accept.	ble, Old Sr	lubber
I130450 Comments:	RHU-79 05- VT: No Recordable Indications -	RIGID RESTRAINT Acceptable	F-A	F1.20A	VT-106	VT	05GV392	Accept	RHR	B-20
I131710 Comments:	RHU-75 05- VT: Required Cold setting per IF 20300818 for base plate modificatio	MECHANICAL SNUBBER 9 IIT 5 is 3", Actual setting 3 1/2", Serial # 8632, Ligh n.	F-A t rust noted or	F1.20C n Base Pla	VT-106 ite, shim und	VT er nev	05GV206 w Base Plat	Accept e - Accept	RHR able. Ref.	B-20 WO #
1137800	RHU-68	VARIABLE SPRING (IA)	F-A	F1.20C	VT-106	VT	05GV389	Accept	RHR	B-20A
Comments:	05- VT: Required Setting per ME 30 inspection, see Engineering accepta	3 Rev 5 cold is 474#, Actual 474#, Spring Can replac ince Memo and AR 2005-1537 - Acceptable.	ed and suppo	rt modifie	VI-106 d, Base Plate	v i and v	05GV349 velds were i	Accept not coated	RHR No grout	B-20A at time of
1139850	RHU-37	GUIDE (IA)	F-A	F1.20A	VT-106	VT	05GV227	Accept	RHR	B-23
Comments:	05- VT: Two (2) shims added to redu	uce gap to 1/8", Ref AR# 2005-0592 and Sum # R05	i006 - Accept	able	V1-106	VI	05GV228	Accept	RHR	B-23
I140000 Comments:	RHU-38 05- VT: No Recordable Indications -	RIGID HANGER Acceptable. Expansion for RHU-41 Reject.	F-A	F1.20A	VT-106	VT	05GV247	Accept	RHR	B-23
I141400 Comments:	RHU-47 05- VT: No Recordable Indications -	VARIABLE SPRING Required setting per ME 303, 1301#, Actual setting	F-A is 1300# - Acc	F1.20C eptable, E	VT-106 Expansion for	VT RHU-	05GV250 41 Reject.	Accept	RHR	B-25

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		Attachment 1A - ISI Report - 2005 C	Dutage					Pa	ge of 11 - 2	21
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519		<u>Owner (</u> Comme National	Certificate of rcial Service Board Num	Auth Date ber f	orization (l <u>e:</u> or Unit:	<u>f Req.):</u>	N/A 7/1/1970 N/A	I
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	_Met	hod/Sheet/	Results	System	ISO #
1142210	RHU-41	VARIABLE SPRING	F-A	F1.20C	VT-106	VT	05GV452	Accept	RHR	B-23
Comments:	05- VT: Wrench marks were noted on Spring can was re-adjusted to a settir	hanger rod. Required setting per ME 303 rev 5 is 689 g of 700# & wrench marks filed. Re-inspected and fou	# +/- 10%, and to be Ac	actual set	V1-106 ling was 1000	VI # - Re	eject. AR 20	Reject 005-0765 (RHR generated fo	B-23 or setting.
I142600 Comments:	RHU-42 05- VT: No Recordable Indications -	GUIDE Acceptable. Expansion for RHU-41 Reject.	F-A	F1.20A	VT-106	VT	05GV248	Accept	RHR	B-23
I143500 Comments:	RHU-44 05- VT: No Recordable Indications - F	VARIABLE SPRING Required setting per ME 303 1416#, Actual setting is 13	F-A 310# - Acce	F1.20C ptable, E	VT-106 Expansion for I	VT RHU-	05GV249 41 Reject.	Accept	RHR	B-24
I160664 Comments:	RHU-113 05- VT: No Recordable Indications - 7	RIGID SUPPORT (IA) Acceptable. Expansion for RHU-114 Reject.	F-A	F1.20A	VT-106	VT	05GV028	Accept	HPSI	B-16B
I160715 Comments:	RHU-114 05- VT: No ID tag, AR 2004-1290 get Indications - Acceptable, Expansion	GUIDE nerated & WO 20402493 written to tighten item #6, loo performed.	 se part was	F1.20B observed	VT-106 I during an ins	VT spect	05GV025 or plant wal	Accept k through	RHR - No Recor	B-16B dable
1160720	RHU-115	RIGID RESTRAINT		F1.20A	VT-106	VT	05GV037	Accept	RHR	B-16B
Comments:	05- VT: North Support Rod in contact Engineering - Support Acceptable.	with SI Pump Air Duct Vent, Gap North side .035", Ga xpansion for RHU-114 Reject.	o South sid	e 3/16"- d	rawing indical	es 1/	16" - Comp	onent Sup	port is Acce	eptable per
I160740 Comments:	RHU-117 05- VT: No Recordable Indications - A	GUIDE Acceptable. Expansion for RHU-114 Reject.	F-A	F1.20A	VT-106	VT	05GV026	Accept	HPSI	B-16B
I160750 Comments:	RHU-118 05- VT: Required setting per ME 303	VARIABLE SPRING is 173#, Actual setting is 169#. No Recordable Indication	F-A ons - Accer	F1.20C stable	VT-106	VT	05GV027	Accept	HPSI	B-16B
I161270 Comments:	SIU-75 05- VT: No Recordable Indications - A	RIGID RESTRAINT	F-A	F1.20A	VT-106	VT	05GV218	Accept	HPSI	B-37
1163890	28	PIPE-TO-ELBOW	C-F-1	C5.21	UT-208 PT-106 UT-102	UT PT UT	05GU002 05GP002 05GU003	Accept Accept Info	HPSI HPSI HPSI	B-42 B-42 B-42
Comments:	05- PT: 1/16" dia. rounded indication	- Accept. UT: PDI exam - No Recordable Indications -	Accept.			_ •				
I164050 Comments:	SIU-21 05- VT: No Recordable Indications - A	RIGID HANGER	F-A	F1.20A	VT-106	VT	05GV351	Accept	HPSI	B-43

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		Attachment 1A - ISI Report - 2005 (Dutage					Pag	ge of 12 - 2	21
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519		<u>Owner (</u> <u>Comme</u> <u>National</u>	Certificate of rcial Service I Board Num	<u>Auth</u> Date ber fo	orization (I <u>e:</u> or Unit:	<u>f Req.):</u>	N/A 7/1/1970 N/A	
Summary #	Comp ID	Comp Desc.	Category	ltem	Procedure	Met	hod/Sheet/	Results	System	ISO #
1164180	47	ELBOW-TO-PIPE	C-F-1	C5.21	PT-106	PT	05GP008	Accept	HPSI	B-43
Comments:	05- PT: No Recordable Indications - A	Accept. UT: PDI - No Indications - Accept. Base Meta	Laminatior	n scan and	d coverage plo	ot was	05GU005 s performed	Accept in 1995 a	nd utilized	B-43 for this
1169041 Comments:	INSRHE-1A 05- VT-2: No Recordable Indications	INLET NOZZLE-TO-SHELL WELD - Acceptable	C-B	C2.33	VT-109	VT	05GV407	Accept	RHR	B-109
I169051 Comments:	ONSRHE-1A 05- VT-2: No Recordable Indications	OUTLET NOZZLE-TO-SHELL WELD - Acceptable	C-B	C2.33	VT-109	VT	05GV408	Accept	RHR	B-109
1169090	ORPRHE-1A	OUTLET REINFORCING PLATE WLD	C-B	C2.31	PT-106 PT-106	PT PT	05GP006 05GP005	Accept Reiect	RHR RHR	B-109 B-109
Comments:	05- PT: Construction indications iden Acceptable.	tified and rejected. AR 2005-1040 generated & Code	Repair by g	rinding pe	erformed unde	rWC	20400669.	Re-exam	after repai	r-
I169220 Comments:	LHLSWRHE-1B 05- UT: Identical geometric indication	LOWER HEAD-TO-LOWER SHELL CIRC WELD is as noted in last exam - No change since last exam -	C-A Accept. 199	C1.20 94 Lamina	UT-303 ation Scan & C	UT Covera	05GU004 age Plot util	Accept ized.	RHR	B-109
1169270	IRPRHE-1B	INLET REINFORCING PLATE WELD	С-В	C2.31	PT-106 PT-106	PT PT	05GP007 05GP004	Accept Reject	RHR RHR	B-109 B-109
Comments:	05- PT: Construction indications iden Acceptable	tified and rejected. AR 2005-1039 generated & Code F	Repair by gri	inding per	formed under	WO	20400669. I	Re-exam a	ifter repair	-
1200445	Z1	PIPE-TO-ELBOW	HE-CB	СВ	MT-105 RT-104 VT-103	MT RT VT	05GM015 05GRT010 05GV347	Accept Accept Accept	FW FW FW	B-11 B-11 B-11
Comments:	05 - VT & MT: No Recordable Indicat	ions - Accept. RT: Insignificant - EUC, Root concavity	Accept			•••				
1200450	Z2	ELBOW-TO-PIPE	HE-CB	СВ	MT-105 VT-103 RT-104	MT VT RT	05GM009 05GV267 05GRT009	Accept Accept Accept	FW FW FW	B-11 B-11 B-11
Comments:	05 - VT & MT: No Recordable Indicat	ions - Accept. RT: Insignificant indications - porosity - A	Accept.							
1200455	Z3	PIPE-TO-ELBOW	HE-CB	СВ	RT-104 VT-103 MT-105	RT VT MT	05GRT006 05GV268 05GM008	Accept Accept	FW FW FW	B-11 B-11 B-11
• •							5554000	7.000pt		5-11

Comments: 05 - VT & MT: No Recordable Indications - Accept. RT: No Recordable Indications - No change since last examination - Accept.

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		Attachment 1A - ISI Report - 2005 C)utage					Pag	ge of 13 - 2	21	
<u>Owner:</u> Plant: Plant Unit:	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519		<u>Owner C</u> Commer National	Certificate of rcial Service Board Num	Auth Date ber fo	orization (If <u>::</u> or Unit:	Req.):	N/A 7/1/1970 N/A		
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	hod/Sheet/I	Results	System	ISO #	
1200460	Z4	ELBOW-TO-PIPE	HE-CB	СВ	VT-103 MT-105	VT MT	05GV348 05GM016	Accept Accept	FW FW	B-11 B-11	
Comments:	05 - VT: No Recordable Indications -	Accept. MT: No Recordable Indications - Accept. RT: I	nsignificant	t - Porosity	R1-104 /, Sląg, IUC, (Conca	vity - Accep	t	FVV	B-11	
1200565	N1	ELBOW-TO-PIPE	HE-CB	СВ	PT-106 RT-104 VT-103 MT-105	PT RT VT MT	05GP059 05GRT008 05GV345 05GM013	Accept Accept Accept Accept	FW FW FW FW	B-14 B-14 B-14 B-14	
Comments:	05 - VT: No Recordable Indications - MT could not be performed - 12% - A	Accept. MT: No Recordable Indications - Limited exam ccept. RT: No Recordable Indications - Film trimmed to	due to sup fit betweer	oport - 87% n support -	% - Accept. P - Accept.	Г: No	Recordable	Indication	ns - PT area	a where	
1200570	0	PIPE-TO-ELBOW	HE-CB	СВ	RT-104 MT-105 VT-103	RT MT VT	05GRT007 05GM014 05GV346	Accept Accept	FW FW FW	B-14 B-14 B-14	
Comments:	05 - VT & MT: No Recordable Indicat	ons - Accept. RT: Insignificant - Porosity, Root concavi	ty, under ci	ut - Accept	t	••	0000040	Лосорі		0-14	
1200580		PIPE-TO-ELBOW	HE-CB	CB	RT-104 VT-103 MT-105	RT VT MT	05GRT005 05GV280 05GM011	Accept Accept Accept	FW FW FW	B-14 B-14 B-14	
Comments:	05 - VI: Minor corrosion - Accept. MI	: No Recordable Indications - Accept. R I: Insignificant	- Porosity,	siag. No c	change since	last e	xamination -	Accept.			
I411200 Comments:	MAINSTEAM OUTSIDE 05- VT-2: Light rust noted on various	CONTAINMENT valves - no degradation. Leakage Exam Acceptable	C-H	C7.XX	VT-109	VT	05GV002	Accept	MS	L-1	
I411600 Comments:	FW OUTSIDE CONTAINMENT 05- VT-2: Light rust noted on various	FEEDWATER SYSTEM LEAKAGE EXAMINATION Valves - no degradation noted. Leakage Exam Accepta	C-H ible	C7.XX	VT-109	VΤ	05GV009	Accept	FW	L-1	
I412500 Comments:	SAFETY INJECTION "A" PUMP 05- VT-2: Partial Exam - Inside CV or	IN/OUT CONTAINMENT Ily. No Recordable Indications - Accept. Outside CV wil	C-H I be perforr	C7.XX ned in 200	VT-109)6 Outage.	VT	05GV430	Accept	SI	L-1	
I412600 Comments:	SAFETY INJECTION "B" PUMP 05- VT-2: Partial Exam - Inside CV or	IN/OUT CONTAINMENT Iy. No Recordable Indications - Accept. Outside CV wil	C-H I be perforr	C7.XX ned in 200	VT-109)6 Outage.	VT	05GV429	Accept	SI	L-1	
1413200 Comments:	RHR LOW PRESSURE 05- VT-2: Boric Acid noted on Pump 3	"A" PUMP Shaft Seal (AR# 2005-1757), Boric Acid noted on Valve	C-H 850A sten	C7.XX n / packing	VT-109 9 area (AR# 2	VT 005-1	05GV405 744) - Acce	Accept ptable	RHR	L-1	

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		Attachment 1A - ISI Report - 2005 (Dutage					Pa	ge of 14 - :	21
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519		<u>Owner (</u> <u>Comme</u> <u>Nationa</u>	Certificate of rcial Service I Board Num!	<u>Auth</u> Date ber f	norization (<u>e:</u> for Unit:	lf Req.):	N/A 7/1/1970 N/A)
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	thod/Sheet	Results	System	ISO #
1413300	RHR LOW PRESSURE	"B" PUMP	С-Н	C7.XX	VT-109	VT	05GV404	Accept	RHR	L-1
Comments:	05- VT-2: Boric Acid noted on Pump s	shaft seal area (AR# 2005-1758) - Acceptable								
1413400	RHR PUMP "A"	IN/OUT CONT.	C-H	C7.XX	VT-109	VΤ	05GV403	Accept	RHR	L-1
Comments:	05- VT-2: Boric Acic noted on Valves 2005-1743), - Acceptable	694A (AR# 2005-1752), 709A (AR# 2005-1751), 709C	(AR# 2005	5-1749), 7	05C (AR# 200	5-17	46), 850A (/	AR# 2005-	1744), 822	A (AR#
1413500	RHR PUMP "B"	IN/OUT CONT.	C-H	C7.XX	VT-109	VT	05GV406	Accept	RHR	L-1
Comments:	05- VT-2: Boric Acid noted on RCDT (709B (AR# 2005-1750), 709D (AR# 2	drain line (AR# 2005-1756), FT-931B & 12074L-Swage 005-1748), 711E (AR# 2005-1745) - Acceptable	elok fitting (/	AR# 2005	-1755), 857B	(AR#	2005-1754), FE-626	(AR# 2005-	-1753),
1414600	CHARGING & SEAL WATER	FROM PUMPS (IN/OUT CV)	С-Н	C7.XX	VT-109	VT	05GV431	Accept	CVCS	L-1
Comments:	05- VT-2: Partial Exam - Inside CV or	nly. No Recordable Indications - Accept. Outside CV w	ill be perfor	med in 20	06 Outage.					
1414700	LETDOWN SYSTEM	IN/OUT CONTAINMENT	C-H	C7.XX	VT-109	VT	05GV432	Accept	cvcs	L-1
Comments:	05- VT-2: Partial Exam - Inside CV on	ly. No Recordable Indications - Accept. Outside CV wi	ll be perforr	ned in 20	06 Outage.					
I415650 Comments:	RPV (RPC01) 05- VT-2: No Recordable Indications -	CLASS 2 INSTRUMENTATION - Acceptable	C-H	C7.XX	VT-109	VT	05GV428	Accept	RC	L-1
1600380	AFU-111	MECHANICAL SNUBBER	SN-VT	VT	VT-106	VT	05GV033	Accept	AFW	C-1A
Comments:	05- VT: Required Snubber setting pe System.	r IP IIT 5 Rev 3 is 2", Actual is 2". Serial # 16597. No F	lecordable	Indication	s - Acceptable	e. No	te: elevated	temperatu	ire is from I	W
1601100	FWU-3	HYDRAULIC SNUBBER	SN-VT	VT	VT-107	VT	05GV287	Accept	FW	B-12
					VT-106	VT	05GV367	Accept	FW	B-12
Comments:	"05- VT: Pre-Functional -S/N 2500-10 mark was not evident -Accept. VT: Po	-152 -required cold setting 4 1/16" - actual 3 25/32". V ost-Functional - S/N 2500-10-152 -required cold setting	'ise marks o 4 1/16" -ac	on piston v tual 3 5/8	where the sett " -No Recorda	ing p ble l	rick punch i ndications -	nark is loc Accept.	ated, prick	punch
1601101	FWU-3	HYDRAULIC SNUBBER	SN-FT	FT	FT	VT	05GV437	Accept	FW	B-12
Comments:	05- FT: Functionally Tested - Results	are Sat. Re-installed Snubber- S/N 2500-10-152.								
1601320	FWU-54	MECHANICAL SNUBBER	SN-VT	VT	VT-106	VT	05GV371	Accept	FW	B-14
					VT-107	VT	05GV223	Accept	FW	B-14
Comments:	05- VT: Pre-Functional - Snubber S/N - Snubber S/N 7482, Required cold se	7482, Required hot setting per IP IIT 5 rev 4 is 3 1/8", etting is 3 13/16", Actual 4 1/8", No Recordable Indicat	Actual 3 1/ ions - Acce	2", no ID pt.	lag, bird feces	note	d on snubb	er - Accep	t. VT: Post-	Functional
1601321	FWU-54	MECHANICAL SNUBBER	SN-FT	FT	FT	VT	05GV438	Accept	FW	B-14
Comments:	05- FT: Functionally Tested - Results	are Sat. Re-installed Snubber- S/N 7482.								
1601369	MSU-7 (TOP/WEST)	MECHANICAL SNUBBER	SN-VT	VT	VT-106	VT	05GV373	Accept	MS	B-8
					VT-107	VT	05GV314	Accept	MS	B-8
Comments:	05- VT: Pre-Functional - Snubber S/N cold setting 3" - actual 2 5/8" - No Rec	7051 - Required cold setting 3", actual 2 5/8" - No Recordable Indications - Accept.	cordable Ind	dications ·	- Accept. VT: F	Post-	Functional -	Snubber	S/N 4765 -	Required

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		Attachment 1A - ISI Report - 2005 (Dutage					Pa	ge of 15 - 3	21	
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519		<u>Owner (</u> Comme National	Certificate of rcial Service Board Num	<u>Auth</u> Date ber f	<u>orization (</u> <u>e:</u> or Unit:	<u>lf Req.):</u>	:_ N/A 7/1/1970 N/A		
Summary #	Comp ID	Comp Desc.	Category	ltem	Procedure	Met	hod/Sheet	Results	System	ISO #	
1601370	MSU-7 (BOTTOM/EAST)	MECHANICAL SNUBBER	SN-VT	VT	VT-107	VT	05GV315	Accept	MS	B-8	
Comments:	05- VT: Pre-Functional - Snubber S/N setting 3" - actual 3" - No Recordable	7047 - Required cold setting 3", actual 3" - No Record Indications - Accept.	lable Indica	itions - Ac	VT-106 cept. VT: Pos ⁴	VT t-Fun	05GV372 ctional - Sn	Accept ubber S/N	MS 7047 - Rec	B-8 Juired cold	
1601371	MSU-7 (TOP/WEST)	MECHANICAL SNUBBER	SN-FT	FT	FT	VΤ	05GV453	Accept	MS	B-8	
Comments:	05- FT: Functionally Tested - Unsat for	or S/N 7051 - Failed Friction. Replaced with previously	is service	spare. Re-	-installed Snul	bber	S/N 4765 -	FunctionIly	tested OK		
l601372 Comments:	MSU-7 (BOTTOM/EAST) 05- FT: Functionally Tested - Results	MECHANICAL SNUBBER are Sat. Re-installed Snubber- S/N 7047.	SN-FT	FT	FT	VT	05GV439	Accept	MS	B-8	
1601409	MSU-15 (NORTH)	MECHANICAL SNUBBER	SN-VT	VT	VT-107 VT-106	VT VT	05GV383	Accept	MS MS	B-10A B-10A	
Comments:	05- VT: Pre-Functional & Post-Function Exams not required since MSU-15 No	onal exams were performed on Snubber MSU-15 North rth was not pulled for functional test, MSU-16 South w	n, S/N 7476 as pulled- /	, Required AR 2005-2	d cold setting 1756 generate	per IF d.	P IIT 5 rev 4	is 3 3/4", /	Actual 3 3/4	I" - Accept.	
I601411 Comments:	MSU-15 (NORTH) 05- FT: Functional test was not perfor	MECHANICAL SNUBBER med, MSU-16 South was pulled inadvertently, AR 200	SN-FT 5-2756 was	FT generate	FT d.	VT	05GV455	Info	MS	B-10A	
l601420 Comments:	MSU-16 (SOUTH) 05- VT: Post-Functional, Required set	MECHANICAL SNUBBER ting per ME 303 rev 4 is 4 3/16" +/- 10%, Actual was 4	SN-VT 1/8", No Ta	VT ag on Sup	VT-106 port & Bird Fe	VT eces r	05GV457 noted on sn	Accept ubber - Ac	MS ceptable	B-10A	
l601422 Comments:	MSU-16 (SOUTH) 05- FT: Functionally Tested as part of	MECHANICAL SNUBBER Expansion - Results are Sat. Re-installed Snubber- S/	SN-FT 'N 7480, rei	FT f AR 2005	FT -0443.	VT	05GV456	Accept	MS	B-10A	
1601460	MSU-25	MECHANICAL SNUBBER	SN-VT	VT	VT-107 VT-106	VT VT	05GV395 05GV388	Accept	MS MS	B-10A B-10A	
Comments:	05- VT: Pre-Functional - Snubber S/N S/N 1465, Required cold setting 1 3/4	1465, Required cold setting per IP IIT 5 rev 4 is 1 3/4" ", Actual 1 1/2", No Recordable Indications - Accept.	', Actual 2",	bird feces	s noted on sni	ubber	- Accept. V	T: Post-Fi	unctional - S	Snubber	
l601461 Comments:	MSU-25 05- FT: Functionally Tested - Results	MECHANICAL SNUBBER are Sat. Re-installed Snubber- S/N 1465. Part of Sco	SN-FT ope Expans	FT ion per Af	FT R 2005-0443.	VT	05GV440	Accept	MS	B-10A	
1601480	MSU-27	MECHANICAL SNUBBER	SN-VT	VT	VT-107 VT-106	VT VT	05GV222 05GV384	Accept Accept	MS MS	B-10A B-10A	
Comments:	05- VT: Pre-Functional- Snubber S/N Required cold setting 1 3/8", Actual 1	9398, Required setting per IP IIT 5 rev 4 Hot 4 3/8", Ac 3/8". No Recordable Indications - Accept.	tual 4 1/4",	tag loose	, bird feces - /	Accep	ot. VT: Post	-Functiona	I- Snubber	S/N 9398,	
I601481 Comments:	MSU-27 05- FT: Functionally Tested - Results	MECHANICAL SNUBBER are Sat. Re-installed Snubber- S/N 9398.	SN-FT	FT	FT	VT	05GV441	Accept	MS	B-10A	

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	,	Affachment 1A - ISI Report - 2005 (Outage					Pa	ge of 16 -	21
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, R.E.Ginna Nuclear Power Plant, 1	LLC, 1503 Lake Road, Ontario NY 14519 1503 Lake Road, Ontario NY 14519	<u>.</u>	<u>Owner</u> Comme Nationa	Certificate of ercial Service al Board Num	Auth Date ber f	norization (<u>e:</u> for Unit:	<u>lf Req.):</u>	N/A 7/1/1970 N/A)
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Me	thod/Sheet	/Results	System	ISO #
1601520	MSU-38	MECHANICAL SNUBBER	SN-VT	VT	VT-107 VT-106	TV TV	05GV212 05GV370	Accept Accept	MS MS	B-9A B-9A
Comments:	05- VT: Pre-Functional- Subber S/N cold setting is 3", Actual cold setting	1090, Required setting per IP IIT 5 rev. 4 - hot is 1 5/8" 3", No Recordable Indications - Accept. S/N 1090	, Actual 1 1	/2", No R	ecordable Indi	catio	ns - Accept.	VT: Post-	Functional-	Required
I601521 Comments:	MSU-38 05- FT: Functionally Tested - Result	MECHANICAL SNUBBER ts are Sat. Re-installed Snubber- S/N 1090.	SN-FT	FT	FT	VT	05GV442	Accept	MS	B-9A
1601710	RHU-36	MECHANICAL SNUBBER	SN-VT	VT	VT-106 VT-107	VT VT	05GV246 05GV242	Accept Accept	RHR RHR	B-23 B-23
Comments:	05- VT: Pre-Functional- Snubber S/N inverted per drawing Accept. VT: F	N 15756, Required setting per IP IIT 5 rev 4 is 2 1/2", Ac Post-Functional- Snubber S/N 15756, Required Setting 3	tual 2 1/4" 2 1/2", Actu	, there we ual 2 5/8".	ere no increme . No Recordab	ents re de Inc	emaining or lications - A	snubber,	items # 6 8	7 are
I601711 Comments:	RHU-36 05- FT: Functionally Tested - Result	MECHANICAL SNUBBER ts are Sat. Re-installed Snubber- S/N 15756.	SN-FT	FT	FT	VT	05GV445	Accept	RHR	B-23
l601800 Comments:	RHU-92 05- VT: BAMP inspection (Sum# N0 replaced under WO 20501165 with S	MECHANICAL SNUBBER 5392) noted Snubber S/N 22190 having Boron on it. AR S/N 18750 due to light corrosion on housing. Required s	SN-VT # 2005-058	VT 39 genera P IIT 5 re	VT-106 ited for Function v 4 is 2". Actua	VT onal te al is 2	05GV216 esting, Snul	Accept	RHR able, Old Sr	B-21 Jubber
1601910	SWU-309	MECHANICAL SNUBBER	SN-VT	VT	VT-107 VT-106	VT VT	05GV213 05GV368	Accept	SW SW	B-50A B-50A
Comments:	05- VT: Pre-Functional- Snbber S/N S/N 10073 -Required cold setting is	10073, Required setting per IP IIT 5 rev. 4 is cold 3 3/8 3/8", Actual 3 1/2", No Recordable Indications - Acce	", Actual 3 1 pt.	I/4", No F	Recordable Ind	licatio	ns - Accept	. VT: Post	-Functional	- Snbber
I601911 Comments:	SWU-309 05- FT: Functionally Tested - Result	MECHANICAL SNUBBER ts are Sat. Re-installed Snubber- S/N 10073.	SN-FT	FT	FT	VT	05GV447	Accept	SW	B-50A
1601990	AFU-225 (AFW-29)	HYDRAULIC SNUBBER	SN-VT	VT	VT-107 VT-106	VT VT	05GV344 05GV307	Accept Accept	SAFW SAFW	C-20 C-20
Comments:	05- VT: Pre-Functional- Snub. S/N 1 Recordable Indications (NRI)- Accept	2906- Req. cold setting 2 1/4", Actual 3 1/16". Engineer ot. VT: Post-Functional- Snub. S/N 12905 - Req. new se	ing provide tting per Er	d new cal Igineering	lculated cold s is 2 5/8", Act	etting ual 3') of 2 5/8", r ', reservoir a	eservoir 7 acceptable	5% full, No e, NRI- Acce	ept.
1602500	AFU-229	HYDRAULIC SNUBBER	SN-VT	VT	VT-106 VT-107	VT VT	05GV306 05GV262	Accept Accept	SAFW SAFW	C-20 C-20
Comments:	05- VT: Pre-Functional- Snub. S/N 2 prior to pre inspection- AR generated	1009- Req. setting 1 1/2", Actual 1 3/4", reservoir is >5(d. VT: Post-Functional- Snub. S/N 129C4- Req. setting)% full, No I 1 1/2", Actu	Recordab al 1 3/4",	le Indications(reservoir is 70	(NRI) 0% fu	Accept. Sr II, NRI- Acc	ubber ren ept.	noved & pul	back in
Class 3 I411700	AUX FW "A" PUMP	AFW SYSTEM LEAKAGE EXAMINATION	D-B	D2.XX	VT-109	VT	05GV411	Accept	AFW	L-1
Comments:	05- VT-2: Valves 4000A & 4357, Ref Analytical Evaluation for the leakage	f AR's 2003-1869 & 2003-1870, Leakage also noted at l at Pump Casing Bolting, Ref AR 2005-1855 - Acceptal	Pump Casir ble	ng Bolting	due to gaskel	t seep	bage, RE pe	erformed a	in Acceptan	ce by

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		Attachment 1A - ISI Report - 2005 (Dutage					Pa	ge of 17 -	21
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, I R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 1503 Lake Road, Ontario NY 14519		Owner Comme Nationa	Certificate of ercial Service	Auth Date ber f	norization (<u>e:</u> for Unit:	<u>lf Req.):</u>	N/A 7/1/1970 N/A)
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Me	thod/Sheet	/Results	System	ISO #
1411800	AUX FW "B" PUMP	AFW SYSTEM LEAKAGE EXAMINATION	D-B	D2.XX	VT-109	VT	05GV409	Accept	AFW	L-1
Comments:	05- VT-2: Leakage noted at Pump Ca AR 2005-1773 & 2005-1775 - Accept	asing Bolting due to gasket seepage, RE performed an table	Acceptanc	e by Anal	vi-ios ytical Evaluation	on foi	the leakag	e at Pump	Casing Bo	Iting, Ref
(411900	AUX FW TURBINE DRIVEN PUMP	AFW SYSTEM LEAKAGE EXAMINATION	D-B	D2.XX	VT-109	VΤ	05GV417	Accept	AFW	L-1
Comments:	05- VT-2: Leakage noted at Pump Ca AR 2005-1855 - Acceptable	asing Bolting due to gasket seepage, RE performed an	Acceptanc	e by Anal	ytical Evaluation	on foi	the leakag	e at Pump	Casing Bo	lting, Ref
1414000	SERVICE WATER	OUTSIDE CONTAINMENT	D-B	D2.XX	VT-109	VT	05GV359	Accept	SW	L-1
					VT-109	VT	05GV010	Accept	SW	L-1
					VT-109	VT	05GV205	Accept	SW	L-1
Comments:	05- VT-2: Exan performed at 3 different	ent times do to Valves not being aligned for normal ope	ration - Ac	ceptable					•••	_ .
1414100	SERVICE WATER TO		D.B	D2 YY	VT-100	VТ	0501/005	Accort	SIM	1.4
Comments:	05- VT-2: No Recordable Indications	- Leakage Exam Acceptable	D-0	D2.AA	V1-109	VI	0560005	Ассері	344	L-1
1415100	Diesel Gen. A	Diesel Gen. "A"	D-B	D2.XX	VT-109	VT	05GV207	Accept	DG	L-1
Comments:	05- VT-2: Performed on Coolant Wat generated - Fittings tighten - Leakag	er, Fuel Oil, Lube Oil & Starting Air Piping & Componer e Exam Acceptable	nts - Minor /	Air leak al	threaded cor	nect	ion up/st of	V5933B,	AR# 2004-	1261
1415200	Diesel Gen. B	Diesel Gen. "B"	D-B	D2.XX	VT-109	VT	05GV208	Accept	DG	L-1
Comments:	05- VT-2: No Recordable Indications	- Leakage Exam is Acceptable.						·		
1415550	SPENT FUEL POOL COOLING-B	SFP COOLING SYSTEM LEAKAGE EXAMINATION	D-B	D2.XX	VT-109	VΤ	05GV038	Accept	SF	L-1
Comments:	05- VT-2: Noted components have Be pump (AR 2004-2023), Flg near V 79	oric Acid: Valve 8669A (ref AR 2004-2030), V 8659 (ref 9E (ref AR 2004-2031) - Leakage Exam Acceptable.	AR 2004-2	820), V 8	667D (ref AR	2004	-2026), V 7	82 (ref AR	2004-2024), "B" SFP
1500105	DGIN-1A	RIGID SUPPORT (IA)	F-A	F1.30A	VT-106	VT	05GV229	Accept	DG	C-39
Comments:	05- VT: Poor workmanship was noted	i on welds - Ref NCR94-054 - Acceptable						•		
1500765	CCU-156	RIGID SUPPORT (IA)	F-A	F1.30A	VT-106	VT	05GV226	Accept	AC	C-6
Comments:	05-VT: No Recordable Indications -	Acceptable. No ID tag.								
1500960	CCU-218 (IA)	INTEGRAL ATTACHMENT	D-A	D1.20	VT-103	VΤ	05GV220	Accept	AC	C-7
Comments:	05-VT: Intragal Attachment (IA) is no	t an IA, lugs left from initial construction. Component S	Support Dra	wing doe	s not identify o	or req	uire an IA.	Remove fi	rom schedu	ile.
1500965	CCU-218	RIGID HANGER (IA)	F-A	F1.30A	VT-106	VT	05GV219	Accept	AC	C-7
Comments:	05- VT: No Recordable Indications -	Accept.						· ·k.		
1501660	SWU-164 (IA)	INTEGRAL ATTACHMENT	D-A	D1.20	VT-103	VT	05GV203	Accept	sw	C-11
Comments:	05- VT: No Recordable Indications - /	Acceptable. Ref. WO # 20403212								

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		Attachment 1A - ISI Report - 2005 0	Dutage					Pa	ge of 18 - :	21
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, L R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519		<u>Owner (</u> Comme Nationa	Certificate of rcial Service Board Num	<u>Auth</u> Date ber f	<u>orization (</u> <u>::</u> or Unit:	lf Req.):	N/A 7/1/1970 N/A)
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	hod/Sheet	/Results	System	ISO #
I501665 Comments:	SWU-164 05- VT: No Recordable Indications - A	RIGID HANGER (IA) Acceptable. Ref. WO 20403212	F-A	F1.30B	VT-106	VT	05GV204	Accept	SW	C-11
1505240 Comments:	AFU-101 05- VT: Required Cold setting per IP	MECHANICAL SNUBBER IIT 5 is 3", Actual setting is 3 3/8", Serial # 15751. No	F-A Recordable	F1.30C e Indicatio	VT-106 ns - Acceptab	VT le	05GV035	Accept	AFW	C-1C
I505410 Comments:	AFU-43 05- VT: No Recordable Indications - A	RIGID RESTRAINT Acceptable	F-A	F1.30A	VT-106	VT	05GV209	Accept	AFW	C-1D
I505480 Comments:	AFU-50 05- VT: No Recordable Indications - A	GUIDE Acceptable	F-A	F1.30B	VT-106	VT	05GV260	Accept	AFW	C-1A
I505920 Comments:	AFU-83 05- VT: No Recordable Indications - A	RIGID RESTRAINT Acceptable	F-A	F1.30A	VT-106	VT	05GV032	Accept	AFW	C-1
I505930 Comments:	AFU-84 05- VT: No Recordable Indications - A	RIGID RESTRAINT Acceptable	F-A	F1.30A	VT-106	VT	05GV036	Accept	AFW	C-1
1600260	AFU-52	MECHANICAL SNUBBER	SN-VT	VT	VT-106 VT-107	VT VT	05GV266 05GV261	Accept Accept	AFW AFW	C-1A C-1A
Comments:	05- VT: Pre-Functional- Snubber S/N setting 1 7/8", Actual 1 3/4", No Reco	24453, Required setting per IP IIT 5 Rev 4 is 1 7/8", A rdable Indications - Accept. S/N 24453	ctual 1 3/4",	No Reco	rdable Indicat	ions -	Accept. V	T: Post-Fu	nctional- Re	quired
l600261 Comments:	AFU-52 05- FT: Functionally Tested - Results	MECHANICAL SNUBBER are Sat. Re-installed Snubber- S/N 24453.	SN-FT	FT	FT	VT	05GV435	Accept	AFW	C-1A
1601610	MSU-74	MECHANICAL SNUBBER	SN-VT	VT	VT-107 VT-106	VT VT	05GV211 05GV377	Accept Accept	MS MS	C-32 C-32
Comments:	05- VT: Pre-Functional- S/N 10066, F Required cold setting is 3". Actual col	Required hot setting per IP IIT 5 rev. 4 is 3 5/16 ", Actua d setting 3 3/8". No Recordable Indications - Accept.	al 3 1/4". N	o Recorda	able Indication	is - A	ccept. VT: I	Post-Funct	ional-S/N 1	10066,
l601611 Comments:	MSU-74 05- FT: Functionally Tested - Results	MECHANICAL SNUBBER are Sat. Re-installed Snubber- S/N 10066.	SN-FT	FT	FT	VT	05GV443	Accept	MS	C-32
1601650	MSU-82	MECHANICAL SNUBBER	SN-VT	VT	VT-106 VT-107	VT VT	05GV369 05GV221	Accept Accept	MS MS	C-32 C-32
Comments:	05- VT: Pre-Functional- Snbber S/N 1 Snubber S/N 15768, Required cold se	5768, Required setting per IP IIT 5 rev. 4 hot is 2 11/10 etting 2 1/2", Actual 2 3/8". No Recordable Indications -	S", Actual 2 Accept.	3/4". No I	Recordable In	dicati	ons - Acce	ot. VT: Pos	st-Functiona	11-
l601651 Comments:	MSU-82 05- FT: Functionally Tested - Results	MECHANICAL SNUBBER are Sat. Re-installed Snubber- S/N 15768.	SN-FT	FT	FT	VT	05GV444	Accept	MS	C-32

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	Attachment 1A - ISI Report - 2005 Outage							ge of 19 - 2	21	
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, LLC, 1503 Lake Road, Ontario NY 14519 R.E.Ginna Nuclear Power Plant, 1503 Lake Road, Ontario NY 14519 1			Owner Certificate of Authorization (If Req.): Commercial Service Date: National Board Number for Unit:					N/A 7/1/1970 N/A	
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	hod/Sheet/	Results	System	ISO #
NonClass 1411400 Comments:	MS HIGH ENERGY 05- VT-2: Light rust noted on various	HE MS LEAKAGE EXAM valves - no degradation noted. Leakage Exam Accept	HE-LK able	LEAK	VT-109	VT	05GV003	Accept	MS	L-1
l412200 Comments:	HE FEEDWATER 05- VT-2: Light Rust noted on various	HE FW LEAKAGE EXAMINATION valves - no degradation. Leakage Exam Acceptable	HE-LK	LEAK	VT-109	VT	05GV006	Accept	FW	L-1
1700170 Comments:	CVU-39 05- VT: Required Cold Setting per ME	VARIABLE SPRING 303 Rev 5 is 107# - Actual 114# - No Recordable Ind	SS-CS lications - A	SSF1.200 Acceptable	VT-106	VT	05GV394	Accept	CVCS-LTI	CA-23A
I700180 Comments:	CVU-40 05- VT: Required setting per ME 303 is the correct size can. Acceptable. D	VARIABLE SPRING rev 5 is 95# +/- 10%, actual is 103#, size of can per dra CR Generated by RE.	SS-CS awing state	SSF1.200 s size 1, a	VT-106 ctual is size 2	VT , ref /	05GV316 AR 2005-16	Accept 85, RE no	CVCS-LT[tified - use	CA-23A as is, this
I700480 Comments:	MSU-52 05- VT: No Recordable Indications - A	RIGID SUPPORT & IA Acceptable	SS-CS	SSF1.20/	VT-106	νт	05GV374	Accept	MS	B-9A
Class Q 1200275	С	PIPE-TO-ELBOW	HE-CB	СВ	UT-209 VT-103 MT-105	UT VT	05GU008 05GV289	Accept Accept	MS MS	HE-7A HE-7A
Comments:	05- VT: Undercut <1/32" - Accept. M	T: No Recordable Indications - Accept. UT: Base Meta	l Laminatio	n - perforn	ned 3/30/94.	UT: F	PDI - Geome	etry Indica	tion - Accep	DE-7A
1200280	C1	ELBOW-TO-PIPE	HE-CB	СВ	VT-103 MT-105	VT MT	05GV288 05GM004 05GU009	Accept Accept	MS MS MS	HE-7A HE-7A HE-7A
Comments:	05, VT: Minor pitting on pipe <1/32" 1995.	Accept. MT: No Recordable Indications - Accept. UT:	PDI - No R	ecordable	Indications -	Acce	pt. Base M	etal Lamir	ation perfo	rmed in
1200285	D	PIPE-TO-ELBOW	HE-CB	СВ	UT-209 MT-105 VT-103	UT MT VT	05GU012 05GM006 05GV265	Accept Accept Accept	MS MS MS	HE-7A HE-7A HE-7A
Comments:	05 - VT: Minor Pitting noted in base m performed in 1995.	naterial <1/32" - Accept. MT: No Recordable Indication	s - Accept.	UT: PDI -	Geometry Ind	icatio	on noted - A	ccept. Ba	se Metal La	amination

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		Attachment 1A - ISI Report - 2005 (Dutage					Pa	ge of 20 -	21	
<u>Owner:</u> <u>Plant:</u> <u>Plant Unit:</u>	R.E.Ginna Nuclear Power Plant, LLC, 1503 Lake Road, Ontario NY 14519 R.E.Ginna Nuclear Power Plant, 1503 Lake Road, Ontario NY 14519 1				Owner Certificate of Authorization (If Req.): Commercial Service Date: National Board Number for Unit:					N/A 7/1/1970 N/A	
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Met	thod/Sheet	Results	System	ISO #	
1200320	M2	ELBOW-TO-PIPE	HE-CB	СВ	MT-105	MT	05GM003	Accept	FW	HE-6	
					UT-209	UT	05GU010	Accept	FW	HE-6	
Comments:	05- VT & MT: No Recordable Indicati	ons - Accept. UT: PDI - ID Geometry, Intermittantly 36	0° - Accept.	Utilized I	VT-103 amination scar	VT n fron	05GV290 n 1995.	Accept	FW	HE-6	
I201420 Comments:	MS-45 (S21) 05- VT: Required setting per ME 303	VARIABLE SPRING rev 5 cold is 5205 #'s, Actual 4733 #'s, No Recordable	HE-CS Indication	HEF1.20 - Accept) VT-106 able.	VT	05GV381	Accept	MS	HE-7A	
I201440 Comments:	MS-46 (S22) 05- VT: Required Cold Setting per Mi	VARIABLE SPRING (IA) E 303 Rev 5 is 6721# - Actual 6574# - No Recordable	HE-CS Indications	HEF1.20 - Accepta): VT-106 able.	vт	05GV382	Accept	MS	HE-7A	
I202220 Comments:	FW-43 (S31) 05- VT: Required setting per ME 303	VARIABLE SPRING is 7962#, Actual is 8200#. No Recordable Indications	HE-CS - Acceptabl	HEF1.20 e. (Ref. W)(VT-106 /O 20303027)	VT).	05GV001	Accept	FW	HE-6	
1601060	CVU-351	MECHANICAL SNUBBER	SN-VT	VT	VT-106	VT	05GV239	Accept	CVCS-LT	CB-35	
Comments:	05- VT: Pre-Functional - Snubber S/N Functional - Snubber S/N 9472 - Reg	I 9472 - Required hot setting 7/8", Actual 1". Transition uired cold setting 1 1/4", actual 1", no change from pre-	tube kit, pi vious inspe	pe clamp	VI-107 & bolting have cept.	vr light	05GV243 to moderat	Accept e rust A	ccept. VT: 1	C B-35 Post-	
I601061 Comments:	CVU-351 05- FT: Functionally Tested- Results	MECHANICAL SNUBBER are Sat. Re-installed Snubber- S/N 9472.	SN-FT	FT	FT	VT	05GV436	Accept	CVCS-LT	C B-35	
1602060	N608	HYDRAULIC SNUBBER	SN-VT	VT	VT-107	VT	05GV264	Accept	PZR	S-2	
Comments:	VT-106 VT 05GV303 Accept PZR S-2 05- VT: Pre-Functional - Snubber S/N 6563, Required cold setting per IP IIT 5 rev. 4 is 3 5/8", Actual 3 7/8", No Recordable Indications - Accept. VT: Post-Functional - Snubber S/N 32844, Required cold setting is 3 5/8", Actual 4 3/8", No Recordable Indications - Accept										
1602061	N608	HYDRAULIC SNUBBER	SN-FT	FT	FT	VT	05GV448	Accept	PZR	S-2	
Comments:	05- FT: Functionally Tested - Results	are Sat. Re-installed Snubber- S/N 32844.									
1602090	PS-2	HYDRAULIC SNUBBER	SN-VT	VT	VT-107	VT	05GV263	Reject	PZR	S-1	
Comments:	05- VT: Pre-Functional -Snubber S/N 1279 generated. Functionally tested -	PD-87239-1244 -Req. Cold setting per IP IIT 5 Rev 4 operable -Accept. VT: Post-Functional - same S/N - set	is 4 3/8", A etting 4 1/8"	ctual 4 1/4 & fluid le	VI-106 I", Fluid indicat vel OK -Accep	VI tor-n t.	05GV305 o green bar	Accept nd showing	PZR g -Rejected	S-1 -AR 2005-	
1602091 Comments:	PS-2 05- FT: Functionally Tested - Results	HYDRAULIC SNUBBER are Sat. Re-installed Snubber- S/N PD 87239-1244.	SN-FT	FT	FT	VT	05GV449	Accept	PZR	S-1	
I700200 Comments:	FWU-39 05- VT: Snubber S/N 9354, Required	MECHANICAL SNUBBER & IA setting per IP IIT 5 rev 4 is 3 1/8", Actual setting 3 1/2	SS-CS ', No Recor	SSF1.20 dable Ind	0 VT-106 ications - Acce	VT ptab	05GV210 le	Accept	FW	B-14	

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	<u> Attachment 1A - ISI Report - 2005 Outage</u>			Page of 21 - 21						
Owner: Plant:	R.E.Ginna Nuclear Power Plant, LLC, 1503 Lake Road, Ontario NY 14519			<u>Owner</u>	Certificate of	N/A				
Plant Unit:	1			National Board Number for Unit:			N/A			
Summary #	Comp ID	Comp Desc.	Category	Item	Procedure	Method/Sheet/Results	System	ISO #		
1700580 Comments:	RHU-87 05- VT: Heavy paint and light to media	RIGID SUPPORT & IA um rust noted, ID tag was painted - Acceptable	SS-CS	SSF1.20	D/VT-106	VT 05GV217 Accept	RHR	B-21		

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		Attachment 1B - IWE/IWL ISI Re	port - 2005	Outad	18		F	age of 1 -	17
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, I R.E.Ginna Nuclear Power Plant, 1 1	LC, 1503 Lake Road, Ontario NY 14519 503 Lake Road, Ontario NY 14519	<u></u>	Owner Comm Nation	Certificate of ercial Service al Board Nut	<u>Certificate of Authorizatic</u> ercial Service Date: I Board Number for Unit;			7/1/1970
Sum #	Comp ID	Comp Desc.	Cat. #	item #	Procedure	Method/Sheet/R	esults S	System	
Class CC 1950000	DO0ME, TENDONS & AREAS	CONCRETE SURFACE ALL AREAS	L-A	L1.11	VT-113 VT-113 VT-113	VT 05GV043 A VT 05GV042 A VT 05GV041 A	Accept C Accept C		INT INT
Comments:	05- VT-3C: Exam performed on CV Conce	rete Surfaces, Ref WO 20303181, minor chages were note	ed, Results of the	Exam we	ere reported to I	RPE for Review.	Exam Accepta	able per RPE	
1950010 Comments:	EQUIPMENT HATCH AREAS 05- VT-3C: Performed on CV Concrete St	CONCRETE SURFACE ALL AREAS urfaces, Ref WO 20303181, minor chages were noted, Re	L-A esults of the Exam	L1.11 were rep	VT-113 orted to RPE fo	VT 05GV016 A or Review. Exam	Accept C Acceptable pe	Containme er RPE.	ENT
1950020 Comments:	SUB-BASEMENT @ 237-0 & 238 05- VT-3C: Exam Performed on CV Conc	INT. BLDG. SOUTH (RAD AREA) CONCRETE SURFAC rete Surfaces, Ref WO 20303181, minor chages were not	CE L-A ed, Results of the	L1.11 Exam we	VT-113 ere reported to	VT 05GV029 A RPE for Review.	ccept (Exam Accept	CONTAINME able per RPE	ENT E.
1950030 Comments:	BASEMENT @ 253-6 05- VT-3C: Exam performed on CV Conce	INT. BLDG. SOUTH (RAD AREA) CONCRETE SURFAC rete Surfaces, Ref WO 20303181, no change from baselin	CE L-A ne noted, Results (L1.11 of the Exa	VT-113 am were reporte	VT 05GV018 A ed to RPE for Rev	iccept (iew. Exam A	CONTAINME	ENT er RPE.
1950040 Comments:	PLATFORM @ 267-3 05- VT-3C: Exam performed on CV Conce	INT. BLDG. SOUTH (RAD AREA) CONCRETE SURFACted Surfaces, Ref WO 20303181, minor chages were note	CE L-A ed, Results of the	L1.11 Exam we	VT-113 are reported to I	VT 05GV014 A RPE for Review,	Accept C Exam Accept	CONTAINME able per RP	ENT E.
I950050 Comments:	FLOOR @ 271-0 (RP DESK AREA) 05- VT-3C: Exam performed on CV Conci RPE for Review. Exam Acceptable per R	INT. BLDG. SOUTH (RAD AREA) CONCRETE SURFAC rete Surfaces, Ref WO 20303181, chage noted - 1 1/2 dia PE.	CE L-A pipe sticking out	L1.11 of wall - 1	VT-113 not noted on pr	VT 05GV017 A evious inspection,	ccept C Results of the	CONTAINME e Exam were	NT e reported to
1950060 Comments:	FLOOR @ 293-0 05- VT-3C: Exam performed on CV Conc	INT. BLDG. SOUTH (RAD AREA) CONCRETE SURFAC rete Surfaces, Ref WO 20303181, no change from last ins	CE L-A spection, Results of	L1.11 of the Exa	VT-113 m were reporte	VT 05GV019 A ed to RPE for Revi	iccept (iew. Exam A	CONTAINME	ENT er RPE.
1950070 Comments:	ROOFTOP @ 318-0(IB LOW ROOF) 05- VT-3C: Exam performed on CV Conce	INT. BLDG. SOUTH (RAD AREA) CONCRETE SURFAC rete Surfaces, Ref WO 20303181, minor chages noted, Re	CE L-A esults of the Exan	L1.11 n were rep	VT-113 ported to RPE f	VT 05GV013 A for Review. Exam	Accept C Acceptable p	CONTAINME Der RPE.	INT
1950080 Comments:	BASEMENT @ 253-6 05- VT-3C: Exam performed on CV Concerned to RPE for Review. Exam Accept	INT. BLDG. NORTH (NON-RAD AREA) CONCRETE SU rete Surfaces, Ref WO 20303181, no chage noted from pr otable per RPE.	JRFACE L-A revious exam othe	L1.11 er than the	VT-113 Azimuths 200	VT 05GV020 A to 304 are actual	ccept C ly 300 to 304.	CONTAINME Results of th	NT ne Exam were
1950090 Comments:	PLATFORM @ 267-3 05- VT-3C: Exam performed on CV Conc	INT. BLDG. NORTH (NON-RAD AREA) CONCRETE SU rete Surfaces, Ref WO 20303181, no chages noted, Resu	JRFACE L-A	L1.11 ere report	VT-113 ed to RPE for I	VT 05GV022 A Review. Exam Ad	ccept (CONTAINME RPE.	INT
1950100 Comments:	FLOOR @ 267-3 05- VT-3C: Exam performed on CV Conc	INT. BLDG. NORTH (NON-RAD AREA) CONCRETE SU rete Surfaces, Ref WO 20303181, no chages were noted,	JRFACE L-A Results of the Ex	L1.11 am were	VT-113 reported to RPI	VT 05GV021 A E for Review. Exa	accept (am Acceptable	CONTAINME	ENT cceptable.
1950110 Comments:	FLOOR @ 298-4 05- VT-3C: Exam performed on CV Conc	INT. BLDG. NORTH (NON-RAD AREA) CONCRETE SU rete Surfaces, Ref WO 20303181, no chage noted since la	JRFACE L-A ast exam, Results	L1.11 of the Ex	VT-113 am were report	VT 05GV023 A led to RPE for Rev	Accept C view. Exam A	CONTAINME	ENT er RPE

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		Attachment 1B - IWE/IWL ISI Report	- 2005	5 Outa	ae			Page of 2	- 17
<u>Owner:</u>	R.E.Ginna Nuclear Power Plant, I	LC, 1503 Lake Road, Ontario NY 14519		Owne	er Certificate	of Authorizat	ic	N/A	•
Plant:	R.E.Ginna Nuclear Power Plant, 4	1503 Lake Road, Ontario NY 14519		Comr	nercial Servi	ce Date:			7/1/1970
Plant Unit:	.1			<u>Natio</u>	nal Board Nu	umber for Uni	<u>t:</u>	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	t Item #	Procedure	Method/Sheet	Results	System	
1950120 Comments:	FLOOR @ 315-4 05- VT-3C: Exam performed on CV Conc	INT. BLDG. NORTH (NON-RAD AREA) CONCRETE SURFAC rete Surfaces, Ref WO 20303181, no change noted since last ex	E L-A am, Resu	L1.11 Its of the	VT-113 Exam were rep	VT 05GV024 orted to RPE for	Accept Review. Exa	CONTAINM m Acceptable	ENT per RPE
I950130 Comments:	ROOFTOP @ 336-6 (IB HIGH ROOF) 05- VT-3C: Exam performed on CV Conc	INT. BLDG. NORTH (NON-RAD AREA) CONCRETE SURFAC rete Surfaces, Ref WO 20303181, no change noted since last ex	E L-A am, Resu	L1.11 Its of the	VT-113 Exam were rep	VT 05GV011 orted to RPE for	Accept Review. Exa	CONTAINM m Acceptable	ENT per RPE
1950140 Comments:	BASEMENT FLOOR @ 258-8 05- VT-3C: Exam performed on CV Conc	AUX. BLDG. CONCRETE SURFACES rete Surfaces, Ref WO 20303181, minor changes were noted, R	L-A esults of t	L1.11 he Exam	VT-113 were reported t	VT 05GV031 o RPE for Revie	Accept w. Exam Acc	CONTAINM eptable per R	ENT PE
1950150 Comments:	INTERMEDIATE FLOOR @ 253-0 05- VT-3C: Exam performed on CV Conc	AUX. BLDG. CONCRETE SURFACES rete Surfaces, Ref WO 20303181, no changes were noted, Resu	L-A lits of the	L1.11 Exam we	VT-113 re reported to F	VT 05GV015 PE for Review.	Accept Exam Accept	CONTAINM able per RPE	ENT
I950160 Comments:	OPERATING FLOOR @ 271-0 05- VT-3C: Exam performed on CV Conc	AUX. BLDG. CONCRETE SURFACES rete Surfaces, Ref WO 20303181, minor changes were noted, R	L-A esults of t	L1.11 he Exam	VT-113 were reported t	VT 05GV030 o RPE for Revie	Accept w. Exam Acc	CONTAINM eptable per R	ENT PE
I950170 Comments:	PLATFORM @ 311-6 05- VT-3C: Exam performed on CV Conc	AUX. BLDG. CONCRETE SURFACES rete Surfaces, Ref WO 20303181, minor changes were noted. R	L-A esults of t	L1.11 he Exam	VT-113 were reported t	VT 05GV012 o RPE for Revie	Accept w. Exam Acc	CONTAINM eptable per R	ENT PE
1957001 Comments:	#1 05- VT: Performed on Tendon Grease Ca RPE Review	TENDON GREASE CAP Ins & Gaskets. Paint & Rust = minor rust at can base - Sat, Oil L	L-GC eakage - \$	GC-1 Sat, Uppe	VT-113 r & Lower Gasl	VT 05GV040 (ets - Sat, Vent -	Accept - Sat, Bolting -	CONTAINM Sat. Exam A	ENT cceptable per
I957002 Comments:	#2 05- VT: Performed on Tendon Grease Ca RPE Review	TENDON GREASE CAP Ins & Gaskets, Paint & Rust ≕ minor rust at can base - Sat, Oil L	L-GC eakage - \$	GC-1 Sat, Uppe	VT-113 r & Lower Gasl	VT 05GV044 kets - Sat, Vent -	Accept Sat, Bolting -	CONTAINM Sat. Exam A	ENT .cceptable per
1957003 Comments:	#3 05- VT: Performed on Tendon Grease Ca Sat, Bolting - Sat. Exam Acceptable per i	TENDON GREASE CAP Ins & Gaskets, Paint & Rust = minor rust at can base & lid - Sat, RPE Review	L-GC Oil Leaka	GC-1 ge - Sat,	VT-113 Upper & Lower	VT 05GV045 Gaskets = lowe	Accept rgasket has m	CONTAINM ninor checking	ENT - Sat, Vent -
I957004 Comments:	#4 05- VT: Performed on Tendon Grease Ca Acceptable per RPE Review	TENDON GREASE CAP Ins & Gaskets, Paint & Rust = minor rust at can base and lid - Sa	L-GC at, Oil Lea	GC-1 kage - Sa	VT-113 It, Upper & Low	VT 05GV046 er Gaskets - Sat	Accept i, Vent - Sat, B	CONTAINM Solling - Sat,	ENT Exam
I957005 Comments:	#5 05- VT: Performed on Tendon Grease Ca RPE Review	TENDON GREASE CAP Ins & Gaskets, Paint & Rust = minor rust at can base - Sat, Oil Lu	L-GC eakage - \$	GC-1 Sat, Uppe	VT-113 r & Lower Gasl	VT 05GV047 (ets - Sat, Vent -	Accept - Sat, Bolting -	CONTAINM Sat. Exam A	ENT .cceptable per
I957006 Comments:	#6 05- VT: Performed on Tendon Grease Ca RPE Review	TENDON GREASE CAP Ins & Gaskets, Paint & Rust ≕ minor rust at can base - Sat, Oil L	L-GC - eakage.	GC-1 Sat, Uppe	VT-113 er & Lower Gas	VT 05GV048 kets - Sat, Vent	Accept - Sat, Bolting -	CONTAINM - Sat. Exam /	ENT Acceptable per
I957007 Comments:	#7 05- VT: Performed on Tendon Grease Ca RPE Review	TENDON GREASE CAP Ins & Gaskets, Paint & Rust = minor rust at can base - Sat, Oil L	L-GC eakage - S	GC-1 Sat, Uppe	VT-113 r & Lower Gasl	VT 05GV049 kets - Sat, Vent -	Accept Sat, Bolting -	CONTAINM Sat. Exam A	ENT .cceptable per

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		Attachment 1B - IWE/IWL	ISI Report - 2005	Outa	ae			Page of 3	8 - 17
Owner:	R.E.Ginna Nuclear Power P	lant, LLC, 1503 Lake Road, Ontario NY 145	19	Owne	er Certificate	of Authorizat	ic	N/A	
Plant:	R.E.Ginna Nuclear Power P	lant, 1503 Lake Road, Ontario NY 14519		Comr	nercial Serv	rice Date:	2		7/1/1970
Plant Unit:	_ 1			Natio	nal Board N	umber for Uni	<u>t:</u>	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	item #	Procedure	Method/Sheet	/Results	System	
1957008	#8	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV050	Accept	CONTAINN	MENT
Comments:	05- VT: Performed on Tendon Grea Bolting - Sat. Exam Acceptable per	ase Cans & Gaskets, Paint & Rust ≈ minor rust at can r RPE Review	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - minor cheo	king at lower	gasket - Sat,	Vent - Sat,
1957009	#9	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV051	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Gre RPE Review	ase Cans & Gaskets, Paint & Rust ≃ minor rust at can	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - Sat, Vent -	Sat, Bolting -	- Sat. Exam /	Acceptable per
1957010	#10	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV052	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Gree RPE Review	ase Cans & Gaskets, Paint & Rust ≈ minor rust at can	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - Sat, Vent -	Sat, Bolting	- Sat. Exam /	Acceptable per
1957011	#11	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV053	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Gree RPE Review	ase Cans & Gaskets, Paint & Rust ≃ minor rust at can	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - Sat, Vent -	Sat, Bolting ·	- Sat. Exam /	Acceptable per
1957012	#12	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV054	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust = minor rust at can r RPE Review	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - minoe che	cking at lower	r gasket - Sat	, Vent - Sat,
1957013	#13	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV055	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can l r RPE Review	base - Sat, Oil Leakage - Sa	at, Uppei	r & Lower Gasl	kets - minor chec	king at lower	gasket - Sat, '	Vent - Sat,
1957014	#14	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV056	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can l er RPE Review	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - minor cheo	king at lower	gasket - Sat,	Vent - Sat,
1957015	#15	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV057	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Gre RPE Review	ase Cans & Gaskets, Paint & Rust - minor rust at can l	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - Sat, Vent -	Sat, Bolting	- Sat. Exam /	Acceptable per
1957016	#16	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV058	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can l r RPE Review	base - Sat, Oil Leakage - S	at, Uppe	er & Lower Gas	kets - minor cheo	king at lower	gasket - Sat,	Vent - Sat,
1957017	#17	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV059	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can l r RPE Review	base - Sat, Oil Leakage - S	at, Upper	r & Lower Gasl	kets - minor chec	king at lower	gasket - Sat,	Vent - Sat,
1957018	#18	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV060	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can r RPE Review	base - Sat, Oil Leakage - S	at, Upper	r & Lower Gasi	kets - minor chec	king at lower	gasket - Sat, '	Vent - Sat,
1957019	#19	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV061	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can r RPE Review	base - Sat, Oil Leakage - Si	at, Upper	r & Lower Gasi	kets - minor chec	king at lower	gasket - Sat,	Vent - Sat,
1957020	#20	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV062	Accept	CONTAIN	/ENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can i r RPE Review	base - Sat, Oil Leakage - S	at, Upper	r & Lower Gasl	kets - minor chec	king at lower	gasket - Sat,	Vent - Sat,

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		Attachment 1B - IWE/IWL IS	l Report - 2005	Outa	qe			Page of 4	- 17
Owner:	R.E.Ginna Nuclear Power Plant.	LLC, 1503 Lake Road, Ontario NY 14519		Owne	r Certificate	of Authorizati	c	N/A	
Plant:	R.E.Ginna Nuclear Power Plant,	1503 Lake Road, Ontario NY 14519		Comr	nercial Serv	vice Date:	-		7/1/1970
Plant Unit:	_1			Natio	nal Board N	umber for Unit	<u>:</u>	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/Sheet/	Results	System	
1957021	#21	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV063	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasl	kets - minor checl	king at lower g	jasket - Sat, V	'ent - Sat,
1957022	#22	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV064	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C RPE Review	cans & Gaskets, Paint & Rust - minor rust at can bas	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasl	kets - Sat, Vent - :	Sat, Bolting -	Sat. Exam Ac	ceptable per
1957023	#23	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV065	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasi	kets - minor check	king at lower g	gasket - Sat, V	ent - Sat,
1957024	#24	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV066	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - S	at, Uppe	r & Lower Gas	kets - major chec	king at lower	gasket - Sat, V	/ent - Sat,
1957025	#25	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV067	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasl	kets - minor checl	king at lower g	gasket - Sat, V	'ent - Sat,
1957026	#26	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV068	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasi	kets - minor checl	king at lower g	jasket - Sat, V	'ent - Sat,
1957027	#27	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV069	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasl	kets - minor checl	king at lower g	jasket - Sat, V	'ent - Sat,
1957028	#28	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV070	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	Cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasi	kets - minor checl	king at lower g	jasket - Sat, V	'ent - Sat,
1957029	#29	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV071	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasi	kets - minor checl	king at lower g	gasket - Sat, V	'ent - Sat,
1957030	#30	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV072	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - Sa	at, Upper	& Lower Gasl	kets - minor checl	king at lower g	gasket - Sat, V	'ent - Sat,
1957031	#31	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV073	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	Cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - S	at, Uppe	r & Lower Gas	kets - minor chec	king at lower	gasket - Sat, V	/ent - Sat,
1957032	#32	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV074	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - S	at, Uppe	r & Lower Gas	kets - major chec	king at lower	gasket - Sat, \	/ent - Sat,
1957033	#33	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV075	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	cans & Gaskets, Paint & Rust - minor rust at can bas E Review	e - Sat, Oil Leakage - S	at, Uppe	r & Lower Gas	skets - minor chec	king at lower	gasket - Sat, N	/ent - Sat,

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		Attachment_1B - IWE/IWL ISI Re	<u>eport - 2005 Outage</u>	Page of 5 - 17
Owner:	R.E.Ginna Nuclear Power	Plant, LLC, 1503 Lake Road, Ontario NY 14519	Owner Certificate of Authorizatic	N/A
Plant:	R.E.Ginna Nuclear Power	Plant, 1503 Lake Road, Ontario NY 14519	Commercial Service Date:	7/1/197
Plant Unit:	_ 1		National Board Number for Unit:	N/A
Sum #	Comp ID	Comp Desc.	Cat. # Item # Procedure Method/Sheet/Results	System
1957034	#34	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV076 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	Grease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - major checking at lo	ower gasket - Sat, Vent - Sat,
1957035	#35	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV077 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	Brease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - minor checking at lo	ower gasket - Sat, Vent - Sat,
1957036	#36	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV078 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	rease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - minor checking at I	ower gasket - Sat, Vent - Sat,
1957037	#37	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV079 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	Grease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - major checking at lo	ower gasket - Sat, Vent - Sat,
1957038	#38	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV080 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	Grease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - major checking at lo	ower gasket - Sat, Vent - Sat,
1957039	#39	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV081 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	Grease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - major checking at lo	ower gasket - Sat, Vent - Sat,
1957040	#40	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV082 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	rease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - minor checking at I	ower gasket - Sat, Vent - Sat,
1957041	#41	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV083 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	Grease Cans & Gaskets, Paint & Rust - minor rust at can base - Si per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - minor checking at I	ower gasket - Sat, Vent - Sat,
1957042	#42	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV084 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G RPE Review	rease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa	at, Oil Leakage - Sat, Upper & Lower Gaskets - Sat, Vent - Sat, Boli	ling - Sat. Exam Acceptable p
1957043	#43	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV085 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G RPE Review	Grease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa	at, Oil Leakage - Sat, Upper & Lower Gaskets - Sat, Vent - Sat, Boll	ling - Sat. Exam Acceptable p
1957044	#44	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV086 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upp	per & Lower Gaskets - Sat, Vent - Sat, Bolting - Sat. No Recordable	e Indications. Exam Acceptabl
1957045	#45	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV087 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	Frease Cans & Gaskets, Paint & Rust - minor rust at can base - Se per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - major checking at I	ower gasket - Sat, Vent - Sat,
1957046	#46	TENDON GREASE CAP	L-GC GC-1 VT-113 VT 05GV088 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon G Bolting - Sat. Exam Acceptable	rease Cans & Gaskets, Paint & Rust - minor rust at can base - Sa per RPE Review	at, Oil Leakage - Sat, Upper & Lower Gaskets - major checking at I	ower gasket - Sat, Vent - Sat,

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		Attachment 1B - IWE/IWL ISI Report -	2005	Outa	ae			Page of	6 - 17
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, R.E.Ginna Nuclear Power Plant, 1	LLC, 1503 Lake Road, Ontario NY 14519 1503 Lake Road, Ontario NY 14519		Owner Comm Nation	r Certificate nercial Servited al Board Nu	of Authoriza	<u>atic</u> nit:	N/A	7/1/1970
<u>r-laineoint.</u>	. '			Hallon	a Doard III		<u></u>		
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/She	et/Results	System	
1957047 Comments:	#47 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV08 tets - major cho	9 Accept ecking at lower	CONTAIN r gasket - Sat	IMENT t, Vent - Sat,
I957048 Comments:	#48 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC (age - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV09 sets - minor che	0 Accept ecking at lower	CONTAIN gasket - Sat	IMENT , Vent - Sat,
1957049 Comments:	#49 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - S	GC-1 at, Upper	VT-113 & Lower Gas	VT 05GV09 kets - minor ch	1 Accept ecking at lowe	CONTAIN r gasket - Sa	IMENT t, Vent - Sat,
l957050 Comments:	#50 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV09 tets - minor che	2 Accept ecking at lower	CONTAIN gasket - Sat	IMENT , Vent - Sat,
l957051 Comments:	#51 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV09 tets - minor cho	3 Accept ecking at lower	CONTAIN gasket - Sat	IMENT , Vent - Sat,
I957052 Comments:	#52 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV09 tets - minor che	4 Accept ecking at lower	CONTAIN gasket - Sat	IMENT , Vent - Sat,
1957053 Comments:	#53 05- VT: Performed on Tendon Grease C Southeast quadrant, the can appears to	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea be off center to the Northwest - Sat, Vent - Sat, Bolting - Sat. Exan	L-GC (age - Sa Accepta	GC-1 at, Upper able per F	VT-113 & Lower Gask RPE Review	VT 05GV09 ets - major che	5 Accept ecking at lower	CONTAIN gasket, also	IMENT curling upward at
I957054 Comments:	#54 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - S	GC-1 at, Upper	VT-113 & Lower Gas	VT 05GV09 kets - minor ch	6 Accept ecking at lowe	CONTAIN r gasket - Sa	IMENT t, Vent - Sat,
I957055 Comments:	#55 05- VT: Performed on Tendon Grease C per RPE Review	TENDON GREASE CAP cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Low	L-GC er Gaske	GC-1 ets - Sat, V	VT-113 Vent - Sat, Bol	VT 05GV09 Iting - Sat, No I	7 Accept Recordable Ind	CONTAIN lications. Ex	IMENT am Acceptable
1957056 Comments:	#56 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV09 tets - major che	8 Accept ecking at lower	CONTAIN gasket - Sat	IMENT , Vent - Sat,
1957057 Comments:	#57 05- VT: Performed on Tendon Grease C RPE Review	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea	L-GC kage - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV09 tets - Sat, Vent	9 Accept - Sat, Bolting	CONTAIN - Sat. Exam	IMENT Acceptable per
I957058 Comments:	#58 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC kage - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV10 tets - minor che	0 Accept ecking at lower	CONTAIN gasket - Sat	IMENT , Vent - Sat,
1957059 Comments:	#59 05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil Lea E Review	L-GC (age - Sa	GC-1 at, Upper	VT-113 & Lower Gask	VT 05GV10 tets - minor che	1 Accept ecking at lower	CONTAIN gasket - Sat	IMENT , Vent - Sat,

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		Attachment 1B - IWE/IWL ISI Re	eport - 2005	Outa	ae			Page of 7	- 17
<u>Owner:</u> <u>Plant:</u>	R.E.Ginna Nuclear Power Plant, R.E.Ginna Nuclear Power Plant,	LLC, 1503 Lake Road, Ontario NY 14519 1503 Lake Road, Ontario NY 14519		Owne Comm	r Certificate nercial Serv	of Authorizat	<u>ic</u>	N/A	7/1/1970
Plant Unit:	_ 1			Natior	al Board N	umber for Uni	<u>t:</u>	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/Sheet	/Results	System	
1957060	#60	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV102	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa E Review	at, Oil Leakage - Sa	t, Upper	& Lower Gasi	kets - minor chec	king at lower	gasket - Sat, '	Vent - Sat,
1957061	#61	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV103	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa E Review	at, Oil Leakage - Sa	t, Upper	& Lower Gasl	kets - minor chec	king at lower	gasket - Sat, '	Vent - Sat,
1957062	#62	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV104	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa E Review	at, Oil Leakage - Sa	t, Upper	& Lower Gasl	kets - major chec	king at lower	gasket - Sat, '	Vent - Sat,
1957063	#63	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV105	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - S E Review	at, Oil Leakage - Sa	at, Upper	r & Lower Gas	kets - minor che	cking at lower	gasket - Sat,	Vent - Sat,
1957064	#64	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV106	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa E Review	at, Oil Leakage - Sa	t, Upper	& Lower Gasi	kets - minor chec	king at lower	gasket - Sat, ^v	Vent - Sat,
1957065 Comments:	#65 05- VT: Performed on Tendon Grease C per RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Up	L-GC per & Lower Gaskel	GC-1 s - Sat, '	VT-113 Vent - Sat, Bo	VT 05GV107 Iting - Sat, No Re	Accept ecordable Indi	CONTAINM cations. Exar	IENT n Acceptable
1957066	#66	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV108	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C RPE Review	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa	at, Oil Leakage - Sa	t, Upper	& Lower Gasl	kets - Sat, Vent -	Sat, Bolting -	Sat. Exam A	cceptable per
1957067	#67	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV109	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C RPE Review	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa	at, Oil Leakage - Sa	t, Upper	& Lower Gasl	kets - Sat, Vent -	Sat, Bolting -	Sat. Exam A	cceptable per
1957068	#68	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV110	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Up	per & Lower Gaskel	s - Majo	r checking at l	lower gasket - Sa	it, Vent - Sat,	Bolting - Sat.	Exam
1957069	#69	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV111	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa E Review	at, Oil Leakage - Sa	t, Upper	& Lower Gasi	kets - major chec	king at lower	gasket - Sat, '	Vent - Sat,
1957070	#70	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV112	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Up	per & Lower Gaskel	s - mino	r checking at l	lower gasket - Sa	it, Vent - Sat,	Bolting - Sat.	Exam
1957071	#71	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV113	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - Sa E Review	at, Oil Leakage - Sa	t, Upper	& Lower Gas	kets - minor chec	king at lower	gasket - Sat, '	Vent - Sat,
1957072	#72	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV114	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Up	per & Lower Gaskel	s - mino	r checking at l	lower gasket - Sa	it, Vent - Sat,	Bolting - Sat.	Exam

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		Attachment 1B - IWE/IWL	ISI Report - 2005 (Outad	ae			Page of 8	- 17
Owner:	R.E.Ginna Nuclear Power Plant,	LLC, 1503 Lake Road, Ontario NY 1451	9	Owner	Certificate	of Authorizatio		N/A	
Plant:	R.E.Ginna Nuclear Power Plant,	1503 Lake Road, Ontario NY 14519		Comm	ercial Servi	ce Date:			7/1/1970
<u>Plant Unit:</u>	_1	• •		Nation	al Board Nu	mber for Unit	<u>:</u>	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/Sheet/	Results	System	
1957073	#73	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV115	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gasket	ts - mino	or checking at I	ower gasket - Sa	t, Vent - Sat,	Bolting - Sat.	Exam
1957074	#74	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV116	Accept	CONTAINN	ENT
Comments:	05- VT: Performed on Tendon Grease C RPE Review	ans & Gaskets, Paint & Rust - minor rust at can ba	ase - Sat, Oil Leakage - Sat	, Upper	& Lower Gask	ets - Sat, Vent - S	Sat, Bolting - S	Sat. Exam A	cceptable per
1957075	#75	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV117	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPE	ans & Gaskets, Paint & Rust - minor rust at can ba Review	ase - Sat, Oil Leakage - Sa	t, Upper	& Lower Gask	ets - minor checl	king at lower (gasket - Sat,	Vent - Sat,
1957076	#76	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV118	Accept	CONTAINN	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPE	ans & Gaskets, Paint & Rust - minor rust at can ba Review	ase - Sat, Oil Leakage - Sat	, Upper	& Lower Gask	ets - minor check	ing at lower g	asket - Sat, V	Vent - Sat,
1957077	#77	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV119	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaskel	ts - Sat,	Vent - Sat, Bol	lting - Sat. No Re	cordable Indi	cations. Exa	m Acceptable
1957078	#78	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV120	Accept	CONTAINM	IENT
Comments:	O5- VI: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - S	Sat, Upper & Lower Gaskets	s - minoi	r checking at lo	ower gasket - Sat	, Vent - Sat, E	Solting - Sat.	Exam
1957079	#79	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV121	Accept	CONTAINN	IENT
Comments:	Bolting - Sat. Exam Acceptable per RPE	ans & Gaskets, Paint & Rust - minor rust at can ba Review	ase - Sat, Oil Leakage - Sa	t, Upper	& Lower Gask	ets - minor checi	king at lower g	jasket - Sat,	Vent - Sat,
1957080	#80	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV122	Accept	CONTAINN	IENT
Comments:	Bolting - Sat. Exam Acceptable per RPE	ans & Gaskets, Paint & Rust - minor rust at can ba Review	ase - Sat, Oli Leakage - Sat	, Upper	& Lower Gask	ets - minor check	ing at lower g	asket - Sat, v	Vent - Sat,
1957081	#81	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV123	Accept	CONTAINN	IENT
Comments:	RPE Review	ans & Gaskets, Paint & Rust - minor rust at lid boi	iting - Sat, Oil Leakage - Sat	t, Upper	& Lower Gask	ets - Sat, Vent - S	Sat, Bolting -	Sat. Exam A	cceptable per
1957082	#82	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV124	Accept	CONTAINN	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPE	ans & Gaskets, Paint & Rust - minor rust at can ba Review	ase - Sat, Oil Leakage - Sa	t, Upper	& Lower Gask	ets - minor check	king at lower g	jasket - Sat,	Vent - Sat,
1957083	#83	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV125	Accept	CONTAINM	ENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPE	ans & Gaskets, Paint & Rust - minor rust at can ba Review	ase - Sat, Oil Leakage - Sa	t, Upper	& Lower Gask	ets - minor check	king at lower (gasket - Sat,	Vent - Sat,
1957084	#84	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV126	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPE	ans & Gaskets, Paint & Rust - minor rust at can ba Review	ase - Sat, Oil Leakage - Sat	, Upper	& Lower Gask	ets - minor check	ing at lower g	asket - Sat, V	/ent - Sat,
1957085	#85	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV127	Accept	CONTAINM	IENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - S	Sat, Upper & Lower Gaskets	s - mino	r checking at lo	ower gasket - Sat	, Vent - Sat, E	Bolting - Sat.	Exam

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		Attachmont 1B - IWE/IWI	SI Report - 2005 Outage	F	Page of 9 - 17
Ownor:	R E Ginna Nuclear Rewar R	Hant LLC 1502 Lake Read Optaria NV 14510	Owner Certificate of	Authorizatic	NI/A
Diant:	R.E.Ginna Nuclear Power P	lani, LLC, 1503 Lake Road, Ontario NY 14519	<u>Commercial Service</u>	<u>Autrorizatic</u>	N/A 7/4/4070
<u>Flam.</u> Plant Linit:		iani, 1505 Lake Road, Ontario NT 14519	National Board Num	<u>Date.</u> har for Unit:	////19/U
	- '		National Doard Null		N/A
Sum #	Comp ID	Comp Desc.	Cat. # Item # Procedure M	ethod/Sheet/Results	System
1957086	#86	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV128 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - minor checking at low	er gasket - Sat, Vent - Sat, Bo	olting - Sat. Exam
1957087	#87	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV129 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - Sat, Vent - Sat, Bolting) - Sat. No Recordable Indica	tions. Exam Acceptable
1957088	#88	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV130 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - minor checking of low	er gasket - Sat, Vent - Sat, B	olting - Sat. Exam
1957089	#89	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV131 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - minor checking at lowe	r gasket - Sat, Vent - Sat, Bo	olting - Sat. Exam
1957090	#90	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV132 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - minor checking at lowe	r gasket - Sat, Vent - Sat, Bo	olting - Sat. Exam
1957091	#91	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV133 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - major checking at lowe	r gasket - Sat, Vent - Sat, Bo	olting - Sat. Exam
1957092	#92	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV134 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - major checking at lowe	r gasket - Sat, Vent - Sat, Bo	olting - Sat. Exam
1957093	#93	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV135 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - minor checking at lowe	r gasket - Sat, Vent - Sat, Bo	olting - Sat. Exam
1957094	#94	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV136 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sa	at, Upper & Lower Gaskets - minor checking at lowe	r gasket - Sat, Vent - Sat, Bo	olting - Sat. Exam
1957095	#95	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV137 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Exam Acceptable per RPE Review	ase Cans & Gaskets, Paint & Rust - minor rust at can plu	g at Northeast quadrant - Sat, Oil Leakage - Sat, U	per & Lower Gaskets - Sat, N	Vent - Sat, Bolting - Sat.
1957096	#96	TENDON GREASE CAP	L-GC GC-1 VT-113 V	r 05GV138 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can bas er RPE Review	e - Sat, Oil Leakage - Sat, Upper & Lower Gaskets	- minor checking at lower ga	sket - Sat, Vent - Sat,
1957097	#97	TENDON GREASE CAP	L-GC GC-1 VT-113 V	T 05GV139 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable pe	ase Cans & Gaskets, Paint & Rust - minor rust at can bas er RPE Review	se - Sat, Oil Leakage - Sat, Upper & Lower Gaskets	- major checking at lower ga	sket - Sat, Vent - Sat,
1957098	#98	TENDON GREASE CAP	L-GC GC-1 VT-113 V	F 05GV140 Accept	CONTAINMENT
Comments:	05- VT: Performed on Tendon Gre Bolting - Sat. Exam Acceptable per	ase Cans & Gaskets, Minor Rust at Can Base. Paint & Ru r RPE Review	ust - Sat, Oil Leakage - Sat, Upper & Lower Gasket	- Lower gasket has major cl	hecking - Sat, Vent - Sat,

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Owner:	R.E.Ginna Nuclear Powe	er Plant, LLC, 1503 Lake Road, Ontario NY 1451	9	Owne	er Certificate	e of Authoriza	tic	N/A	
<u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Powe	er Plant, 1503 Lake Road, Ontario NY 14519		Com Natio	mercial Servinal Board N	<u>vice Date:</u> lumber for Un	<u>it:</u>	N/A	7/1/197
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/Shee	t/Results	Svstem	
957099	#99	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV141	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ts - Sat	, Vent - Sat, Bo	olting - Sat. No R	ecordable Ir	idications. Exa	m Acceptab
1957100	#100	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV142	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Acceptable per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - min	or checking at	lower gasket - S	at, Vent - Sa	at, Bolting - Sat.	Exam
1957101	#101	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV143	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Acceptable per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - min	or checking at	lower gasket - S	at, Vent - Sa	at, Bolting - Sat.	Exam
1957102	#102	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV144	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Bolting - Sat. Exam Acceptab	Grease Cans & Gaskets, Paint & Rust - minor rust at can b le per RPE Review	ase - Sat, Oil Leakage - Sa	at, Uppe	er & Lower Gas	skets - minor che	cking at low	er gasket - Sat,	Vent - Sat,
1957103	. #103	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV145	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Bolting - Sat. Exam Acceptab	Grease Cans & Gaskets, Paint & Rust - minor rust at can b le per RPE Review	ase - Sat, Oil Leakage - Sa	at, Uppe	er & Lower Gas	skets - minor che	cking at low	er gasket - Sat,	Vent - Sat,
1957104	#104	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV146	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Acceptable per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - min	or checking at	lower gasket - S	at, Vent - Sa	at, Bolting - Sat.	Exam
1957105	#105	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV147	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - Sat,	, Vent - Sat, Bo	olting - Sat. No R	ecordable ir	idications. Exa	m Acceptab
1957106	#106	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV148	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Acceptable per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - min	or checking at	lower gasket - S	at, Vent - Sa	at, Bolting - Sat.	Exam
1957107	#107	TENDON GREASE CAP	· L-GC	GC-1	VT-113	VT 05GV149	Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Bolting - Sat. Exam Acceptab	Grease Cans & Gaskets, Paint & Rust - minor rust at can b le per RPE Review	ase - Sat, Oil Leakage - Sa	t, Uppe	r & Lower Gas	kets - major che	king at lowe	er gasket - Sat,	Vent - Sat,
1957108	#108	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV150	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - Sat	, Vent - Sat, Bo	olting - Sat. No R	ecordable Ir	idications. Exa	m Acceptab
1957109	#109	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV151	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Bolting - Sat. Exam Acceptab	Grease Cans & Gaskets, Paint & Rust - minor rust at can b le per RPE Review	ase - Sat, Oil Leakage - Sa	at, Uppe	er & Lower Gas	skets - major che	cking at low	er gasket - Sat,	Vent - Sat,
195 7110	#110	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV152	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - Sat,	, Vent - Sat, Bo	olting - Sat, No R	ecordable Ir	idications. Exa	m Acceptab
1957111	#111	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV153	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Acceptable per RPE Review	Grease Cans & Gaskets, Paint & Rust - Sat, Oil Leakage -	Sat, Upper & Lower Gaske	ls - min	or checking at	lower gasket - S	at, Vent - Sa	at, Bolting - Sat.	Exam

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		Attachment 1B - IWE/IWL	ISI Report - 2005	Outa	ae			Page of 11	- 17
Owner:	R.E.Ginna Nuclear Power Plant.	LLC, 1503 Lake Road, Ontario NY 145	19	Owne	r Certificate	of Authorizatic		N/A	
Plant:	R.E.Ginna Nuclear Power Plant,	1503 Lake Road, Ontario NY 14519		Comm	nercial Servi	ce Date:		•••••	7/1/1970
Plant Unit:	1	• • • • • • •		Natior	al Board Nu	umber for Unit:	<u>_</u>	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/Sheet/F	Results	System	
1957112	#112	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV154	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca RPE Review	nns & Gaskets; Paint & Rust - minor rust at can	base - Sat, Oil Leakage - S	at, Upper	& Lower Gask	ets - Sat, Vent - S	at, Bolting -	Sat. Exam A	cceptable per
1957113	#113	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV155	Accept	CONTAINM	MENT
Comments:	05- VT: Performed on Tendon Grease Ca Bolting - Sat. Exam Acceptable per RPE	ns & Gaskets, Paint & Rust - minor rust at can Review	base - Sat, Oil Leakage - S	at, Upper	& Lower Gask	ets - minor checki	ing at lower	gasket - Sat, V	Vent - Sat,
1957114	#114	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV156	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca Acceptable per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - mino	r checking at lo	ower gasket - Sat,	Vent - Sat,	Bolting - Sat.	Exam
1957115	#115	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV157	Accept	CONTAINN	ENT
Comments:	05- VT: Performed on Tendon Grease Ca Acceptable per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - mino	r checking at lo	ower gasket - Sat,	, Vent - Sat,	Bolting - Sat.	Exam
1957116	#116	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV158	Accept	CONTAINN	ENT
Comments:	05- VT: Performed on Tendon Grease Ca Acceptable per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - mino	r checking at lo	ower gasket - Sat,	Vent - Sat,	Bolting - Sat.	Exam
1957117	#117	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV159	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - Sat, '	Vent - Sat, Boll	ting - Sat. No Rec	ordable Indi	cations - Exa	m Acceptable
1957118	#118	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV160	Accept	CONTAINN	ENT
Comments:	05- VT: Performed on Tendon Grease Ca Acceptable per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - Majo	r checking at lo	ower gasket - Sat,	Vent - Sat,	Bolting - Sat.	Exam
1957119	#119	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV161	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca Bolting - Sat. Exam Acceptable per RPE	ns & Gaskets, Paint & Rust - minor rust at can Review	base - Sat, Oil Leakage - S	at, Upper	& Lower Gask	ets - major checki	ing at lower	gasket - Sat, V	Vent - Sat,
1957120	#120	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV162	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca Acceptable per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - mino	r checking at lo	ower gasket - Sat,	Vent - Sat,	Bolting - Sat.	Exam
1957121	#121	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV163	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca Bolting - Sat. Exam Acceptable per RPE	ins & Gaskets, Paint & Rust - minor rust at can Review	base - Sat, Oil Leakage - S	at, Upper	*& Lower Gask	kets - Major check	ing at lower	gasket - Sat,	Vent - Sat,
1957122	#122	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV164	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - Sat, '	Vent - Sat, Boli	ting - Sat. No Rec	ordable Indi	cations. Exar	n Acceptable
1957123	#123	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV165	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca RPE Review	ins & Gaskets, Paint & Rust - minor rust at can	base - Sat, Oil Leakage - S	at, Upper	& Lower Gask	tets - Sat, Vent - S	Sat, Bolting	Sat. Exam A	Acceptable per
1957124	#124	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV166	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease Ca Acceptable per RPE Review	ins & Gaskets, Paint & Rust - Sat, Oil Leakage	- Sat, Upper & Lower Gask	ets - mino	r checking at lo	ower gasket - Sat,	Vent - Sat,	Bolting - Sat.	Exam

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Owner:	R.E.Ginna Nuclear Power Plant.	LLC, 1503 Lake Road, Ontario NY 14519		Owne	r Certificate	of Authoriz	atic	N/A	
Plant:	R.E.Ginna Nuclear Power Plant.	1503 Lake Road, Ontario NY 14519		Comm	nercial Serv	vice Date:			7/1/1970
Plant Unit:	. 1			Nation	al Board N	umber for U	nit:	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	ltem#	Procedure	Method/She	et/Results	System	
1957125	#125	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV16	67 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - mino	r checking at	lower gasket -	Sat, Vent - Sat	l, Bolting - Sat.	. Exam
1957126	#126	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV16	58 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lu	ower Gaske	ets - mino	or checking at	lower gasket -	Sat, Vent - Sa	t, Bolting - Sal	t. Exam
1957127	#127	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV16	59 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - mino	r checking at	lower gasket -	Sat, Vent - Sat	, Bolting - Sat.	. Exam
1957128	#128	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	70 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - Sat, '	Vent - Sat, Bo	olting - Sat. No	Recordable Inc	dications. Exa	m Acceptable
1957129	#129	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	71 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - Sat, '	Vent - Sat, Bo	olting - Sat. No	Recordable Inc	dications. Exa	m Acceptable
1957130	#130	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	72 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & L	ower Gaske	ets - mino	or checking at	lower gasket -	Sat, Vent - Sa	t, Bolting - Sat	t. Exam
1957131	#131	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	73 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ls - mino	r checking at i	lower gasket - :	Sat, Vent - Sat	, Bolting - Sat.	. Exam
1957132	#132	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	74 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - mino	r checking at	lower gasket -	Sat, Vent - Sat	, Bolting - Sat.	. Exam
1957133	#133	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	75 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Bolting - Sat. Exam Acceptable per RPI	ans & Gaskets, Paint & Rust - minor rust at can base - Sat, Oil L E Review	eakage - Sa	at, Upper	& Lower Gas	kets - Major ch	ecking at lowe	er gasket - Sat,	, Vent - Sat,
1957134	#134	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	76 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - Sat, '	Vent - Sat, Bo	lting - Sat. No	Recordable Inc	dications. Exa	m Acceptable
1957135	#135	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	77 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - mino	r checking at	lower gasket -	Sat, Vent - Sat	, Bolting - Sat.	. Exam
1957136	#136	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	78 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ls - mino	r checking at i	lower gasket -	Sat, Vent - Sat	, Bolting - Sat.	. Exam
1957137	#137	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV17	79 Accept	CONTAIN	MENT
Comments:	05- VT: Performed on Tendon Grease C Acceptable per RPE Review	ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Upper & Lo	wer Gaske	ts - mino	r checking at i	lower gasket -	Sat, Vent - Sat	, Bolting - Sat.	. Exam

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<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plan R.E.Ginna Nuclear Power Plan 1	t, LLC, 1503 Lake Road, Ontario NY 145 t, 1503 Lake Road, Ontario NY 14519	19	Owne Comn Natior	r Certificate nercial Serv nal Board N	of Authorizati ice Date: umber for Uni	<u>ic</u> t:	N/A N/A	7/1/1970
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/Sheet	/Results_	System	
1957138 Comments:	#138 05- VT: Performed on Tendon Grease Acceptable per RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage	L-GC Sat, Upper & Lower Gaske	GC-1 Its - majo	VT-113 or checking at I	VT 05GV180 ower gasket - Sa	Accept t, Vent - Sat,	CONTAINM Bolting - Sat.	AENT Exam
1957139 Comments:	#139 05- VT: Performed on Tendon Grease Acceptable per RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage	L-GC - Sat, Upper & Lower Gaske	GC-1 Its - majo	VT-113 or checking at I	VT 05GV181 ower gasket - Sa	Accept t, Vent - Sat,	CONTAIN Bolting - Sat.	/ENT Exam
1957140 Comments:	#140 05- VT: Performed on Tendon Grease Acceptable per RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage	L-GC - Sat, Upper & Lower Gaske	GC-1 ts - minc	VT-113 or checking at I	VT 05GV182 lower gasket - Sa	Accept t, Vent - Sat,	CONTAINM Bolting - Sat.	/ENT Exam
1957141 Comments:	#141 05- VT: Performed on Tendon Grease Acceptable per RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage	L-GC Sat, Upper & Lower Gaske	GC-1 ts - minc	VT-113 or checking at I	VT 05GV183 lower gasket - Sa	Accept t, Vent - Sat,	CONTAINM Bolting - Sat.	NENT Exam
1957142 Comments:	#142 05- VT: Performed on Tendon Grease Acceptable per RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage	L-GC - Sat, Upper & Lower Gaske	GC-1 Its - minc	VT-113 or checking at I	VT 05GV184 ower gasket - Sa	Accept t, Vent - Sat,	CONTAINM Bolting - Sat.	/ENT Exam
I957143 Comments:	#143 05- VT: Performed on Tendon Grease RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can	L-GC base - Sat, Oil Leakage - Sa	GC-1 at, Upper	VT-113 & Lower Gasi	VT 05GV185 kets - Sat, Vent -	Accept Sat, Bolting -	CONTAINM - Sat. Exam A	MENT Acceptable per
1957144 Comments:	#144 05- VT: Performed on Tendon Grease Bolting - Sat. Exam Acceptable per R	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can PE Review	L-GC base - Sat, Oil Leakage - Sa	GC-1 at, Upper	VT-113 & Lower Gasi	VT 05GV186 kets - minor chec	Accept king at lower	CONTAINM gasket - Sat,	/ENT Vent - Sat,
I957145 Comments:	#145 05- VT: Performed on Tendon Grease Acceptable per RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage	L-GC Sat, Upper & Lower Gaske	GC-1 ts - mino	VT-113 or checking at I	VT 05GV187 lower gasket - Sa	Accept t, Vent - Sat,	CONTAINM Bolting - Sat.	/ENT Exam
1957146 Comments:	#146 05- VT: Performed on Tendon Grease Bolting - Sat. Exam Acceptable per R	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can PE Review	L-GC base - Sat, Oil Leakage - Sa	GC-1 at, Upper	VT-113 & Lower Gasi	VT 05GV188 kets - minor chec	Accept king at lower	CONTAINM gasket - Sat,	/ENT Vent - Sat,
1957147 Comments:	#147 05- VT: Performed on Tendon Grease RPE Review	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can	L-GC base - Sat, Oil Leakage - Sa	GC-1 at, Upper	VT-113 & Lower Gast	VT 05GV189 kets - Sat, Vent -	Accept Sat, Bolting -	CONTAINN - Sat. Exam A	IENT Acceptable per
1957148 Comments:	#148 05- VT: Performed on Tendon Grease Bolting - Sat. Exam Acceptable per R	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can PE Review	L-GC base - Sat, Oil Leakage - Sa	GC-1 at, Upper	VT-113 & Lower Gasl	VT 05GV190 kets - minor chec	Accept king at lower	CONTAINN gasket - Sat,	/ENT Vent - Sat,
1957149 Comments:	#149 05- VT: Performed on Tendon Grease Bolting - Sat. Exam Acceptable per R	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - minor rust at can PE Review	L-GC base - Sat, Oil Leakage - Sa	GC-1 at, Upper	VT-113 & Lower Gas	VT 05GV191 kets - minor chec	Accept king at lower	CONTAINM gasket - Sat,	/ENT Vent - Sat,
I957150 Comments:	#150 05- VT: Performed on Tendon Grease - Sat, Bolting - Sat. Exam Acceptable	TENDON GREASE CAP Cans & Gaskets, Paint & Rust - Sat, Oil Leakage per RPE Review	L-GC - Sat, Can has Upper Gaske	GC-1 et & no lo	VT-113 wer gasket - i	VT 05GV192 s a different style	Accept - upper & lov	CONTAINM wer welded fla	/ENT inge - Sat, Ven

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		Attachment 1B - IWE/IWL ISI R	eport - 2005	Outa	ae			Page of 14	- 17
Owner:	R.E.Ginna Nuclear Power Plant	, LLC, 1503 Lake Road, Ontario NY 14519		Owne	r Certificate	of Authorizat	<u>ic</u>	N/A	
<u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant	, 1503 Lake Road, Ontario NY 14519		Comm Nation	nercial Servital Board N	<u>ice Date:</u> umber for Uni	it:	N/A	7/1/1970
	<u> </u>						<u></u>		
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/Sheet	/Results	System	
1957151 Comments:	#151 05- VT Performed on Tendon Grease C Acceptable per RPE Review	TENDON GREASE CAP ans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Up	L-GC per & Lower Gasket	GC-1 s - minor	VT-113 checking at lo	VT 05GV193 ower gasket- Sat,	Accept , Vent - Sat,	CONTAINN Bolting - Sat.	IENT Exam
1957152	#152	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV194	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Grease (Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - S E Review	at, Oil Leakage - Sa	it, Upper	& Lower Gask	tets - major chec	king at lower	r gasket - Sat, '	Vent - Sat,
1957153	#153	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV195	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Grease (Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - S E Review	Sat, Oil Leakage - S	at, Upper	r & Lower Gas	kets - minor cheo	cking at lowe	er gasket - Sat,	Vent - Sat,
1957154	#154	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV196	Accept	CONTAIN	IENT
Comments:	05- VT: Performed on Tendon Grease (Acceptable per RPE Review	Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Up	oper & Lower Gaske	ts - mino	r checking at I	ower gasket - Sa	it, Vent - Sat	, Bolting - Sat.	Exam
1957155	#155	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV197	Accept	CONTAINN	IENT
Comments:	05 - VT: Performed on Tendon Grease quadrant - can appears to be shifted to	Cans & Gaskets, Paint & Rust - minor rust at can base - S the Northeast - Sat, Vent - Sat, Bolting - Sat. Exam Acce	Sat, Oil Leakage - S ptable per RPE Rev	at, Upper riew	r & Lower Gas	kets - minor cheo	cking & is cu	rled up at the S	Southwest
1957156	#156	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV198	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease (Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - S E Review	at, Oil Leakage - Sa	it, Upper	& Lower Gask	tets - minor chec	king at the lo	ower gasket - S	at, Vent - Sat,
1957157	#157	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV199	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease (Bolting - Sat. Exam Acceptable per RP	Cans & Gaskets, Paint & Rust - minor rust at can base - S E Review	Sat, Oil Leakage - S	at, Upper	& Lower Gas	kets - minor cheo	cking at the I	ower gasket - S	Sat, Vent - Sat,
1957158	#158	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV200	Accept	CONTAINN	ENT
Comments:	05- VT: Performed on Tendon Grease (per RPE Review	Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Up	oper & Lower Gaske	ts - Sat, '	Vent - Sat, Bo	lting - Sat, No Re	ecordable Inc	dications. Exar	n Acceptable
1957159	#159	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV201	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease C Lower Flanges are welded. No Record	Cans & Gaskets, Paint & Rust - Sat, Oil Leakage - Sat, Ca able Indications. Exam Acceptable per RPE Review	an has Upper Gaske	t only - d	ifferent style -	no lower gasket	- Sat, Vent -	Sat, Bolting - 3	Sat, Upper &
1957160	#160	TENDON GREASE CAP	L-GC	GC-1	VT-113	VT 05GV202	Accept	CONTAINN	IENT
Comments:	05- VT: Performed on Tendon Grease (RPE Review	Cans & Gaskets, Paint & Rust - minor rust at can base - S	at, Oil Leakage - Sa	it, Upper	& lower gaske	et - Sat, Vent - Sa	at, Bolting - S	Sat. Exam Acc	eptable per
Class MC									
1900002	SUMP A LINER	CONTAINMENT SUMP A LINER	E-A	E1.11	VT-112 VT-112	VT 05GV402 VT 05GV398	Reject Reject	CONTAINM CONTAINM	IENT IENT
Comments:	'05- VT: Failed coating noted & docume bottom=.130". Accept per AR#2003-25	ented. RejAR# 2005-1624 generated. UT readings taken 05. Areas left unpainted due to cavity leakage- clean & red	under Summary # coat in 06 RFO whe	N05442. n dry.	Lowest readir	ngs: N. wall top=.	.270", N. wal	1 bottom=.140"	, W. wall
1900222	PEN. CE9	PEN CE9 ELECTRICAL PEN.	E-A	E1.11	VT-112	VT 05GV427	Accept	ELECTRIC	AL PEN.
Comments:	05- VT: General Visual - Outside - No F	Recordable Indications - Acceptable							

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		Attachment 1B - IWE/IWL ISI Report	- 2005	Outa	ae				Page of 15	5 - 17
<u>Owner:</u> <u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, R.E.Ginna Nuclear Power Plant, 1	LLC, 1503 Lake Road, Ontario NY 14519 1503 Lake Road, Ontario NY 14519		Owner Comm Nation	r Certificate nercial Servi nal Board Nu	of Auth ice Date umber fo	orizati <u>:</u> or Unil	<u>ic</u> t:_	N/A N/A	7/1/1970
Sum #	Comp ID	Comp Desc.	Cat. #	ltem #	Procedure	Method	/Sheet/	/Results	System	
1901001	P29 VT Area	P29 Liner Floor Area Aug VT	E-C	E4.11	VT-112 VT-112 VT-112	VT 050 VT 050	GV421 GV309	Accept Accept Accept	CONTAIN	MENT MENT MENT
Comments:	05- VT-1: Performed East of Pen 29, at P	en 29, West of Pen 29. Rust, Flaking & Peeling paint noted - Acce	eptable. S	ee UT th	nickness readi	ngs under	Summ	ary # 1901501	I.	
1901501	P29 UT Area	P29 Liner Floor Area Aug UT	E-C	E4.12	UT-102 UT-102 UT-102	UT 050 UT 050 UT 050	GU017 GU014 GU015	Accept Accept Accept	CONTAINI CONTAINI CONTAINI	MENT MENT MENT
Comments:	"05- UT: CV Liner near floor-120 deg. to 2 Inside Pen 29-area noted to be <10% wa	240 deg. Lowest reading East of Pen 29≍.356", lowest reading at F Il loss. Areas reported to RPE - Eng. Min. Wall 0.281"- Accept. Re	Pen 29=.3 f AR #200	34", lowe	est reading We EWR 5190.	st of Pen	29=370	0". No wall los	s >10% outs	ide Pen 29.
I902301 Comments:	BASEMENT 120 TO 240 DEG. 05- VT: Moisture Barrier & Insulation Sea	MOISTURE BARRIER I - No Recordable Indications - Acceptable	E-D	E5.30	VT-112	VT 050	GV422	Accept	MOISTURI	E BARRIER
1903122 Comments:	PEN. AE12 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable. Removed protectiv	E-G ve screen	E8.10 for inspe	VT-112 ction.	VT 050	GV321	Accept	ELECT. PE	EN. BOLTING
I903124 Comments:	PEN. AE13 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable. Removed protective	E-G /e screen	E8.10 for inspe	VT-112 ction.	VT 050	GV322	Accept	ELECT. PE	EN. BOLTING
1903126 Comments:	PEN. AE14 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable. Removed protectiv	E-G ve screen	E8.10 for inspe	VT-112 ction.	VT 050	GV323	Accept	ELECT. PE	EN. BOLTING
1903128 Comments:	PEN. BE1 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 050	GV324	Accept	ELECT. PE	EN. BOLTING
1903130 Comments:	PEN. BE2 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 050	GV325	Accept	ELECT. PE	EN. BOLTING
1903132 Comments:	PEN. BE3 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 050	GV326	Accept	ELECT. PE	EN. BOLTING
1903134 Comments:	PEN. BE4 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 050	GV327	Accept	ELECT. PE	EN. BOLTING
1903136 Comments:	PEN. CE1 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 050	GV328	Accept	ELECT. PE	EN. BOLTING
1903138 Comments:	PEN. CE2 05- VT-1: No Recordable Indications - fro	BOLTING, 16 - 1 1/8" nt flange is painted - back flange and bolting is not painted - Acce	E-G otable	E8.10	VT-112	VT 050	GV329	Accept	ELECT. PE	EN. BOLTING

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		Attachment 1B - IWE/IWI ISI	Report - 2005	Oufa	ne		Page of 16 - 17
Owner:	R.E.Ginna Nuclear Power Plant,	LLC, 1503 Lake Road, Ontario NY 14519		Owne	r Certificate	of Authorizatic	N/A
<u>Plant:</u> Plant Unit:	R.E.Ginna Nuclear Power Plant, 1	1503 Lake Road, Ontario NY 14519		<u>Comm</u> Nation	nercial Serv nal Board Nu	<u>ice Date:</u> umber for Unit:	7/1/1970 N/A
Sum #	Comp ID	Comp Desc.	Cat. #	item #	Procedure	Method/Sheet/Results	System
1903156 Comments:	PEN. CE11 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV330 Accept	ELECT. PEN. BOLTING
l903158 Comments:	PEN. CE12 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV331 Accept	ELECT. PEN. BOLTING
1903160 Comments:	PEN. CE13 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV332 Accept	ELECT. PEN. BOLTING
1903162 Comments:	PEN. CE14 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV333 Accept	ELECT. PEN. BOLTING
I903164 Comments:	PEN. CE15 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV334 Accept	ELECT. PEN. BOLTING
l903166 Comments:	PEN. CE16 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV335 Accept	ELECT. PEN. BOLTING
l903168 Comments:	PEN. CE17 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV336 Accept	ELECT. PEN. BOLTING
1903170 Comments:	PEN. CE18 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV337 Accept	ELECT. PEN. BOLTING
1903172 Comments:	PEN. CE19 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable.	E-G	E8.10	VT-112	VT 05GV338 Accept	ELECT. PEN. BOLTING
1903174 Comments:	PEN. CE20 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" o change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV339 Accept	ELECT. PEN. BOLTING
I903176 Comments:	PEN. CE21 05- VT-1: No Recordable Indications - no	BOLTING, 16 - 1 1/8" change from previous inspection - Acceptable	E-G	E8.10	VT-112	VT 05GV340 Accept	ELECT. PEN. BOLTING
t904300 Comments:	SEALS AND GASKETS 05- Appendix J Testing - See attached li	CONTAINMENT VESSEL sting of performed PT & PTT Tests that were performed	E-P I and Acceptable. Als	E9.40 o, see Af	VT-109 Itachment 1C	VT 05GV412 Accept of the 2005 90 Day Report.	CONTAINMENT

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		Attachment 1B - IWE/IWL ISI Report -	2005	Outa	qe				Page of 17	- 17
Owner:	R.E.Ginna Nuclear Power Plant, L	LC, 1503 Lake Road, Ontario NY 14519		Owner	Certificate	of Author	rizati	ic	N/A	
Plant:	R.E.Ginna Nuclear Power Plant, 1	503 Lake Road, Ontario NY 14519		Comm	ercial Servi	ce Date:				7/1/1970
Plant Unit:	. 1			Nation	al Board Nu	umber for	Uni	<u>t:</u>	N/A	
Sum #	Comp ID	Comp Desc.	Cat. #	Item #	Procedure	Method/S	heet/	/Results	System	
1905001	P29 Area	Paint/Coating Prior to Removal	E-PC	PC-1	VT-112	VT 05G	/275	Accept	CONTAINM	ENT
					VT-112	VT 05G	/276	Accept	CONTAINM	ENT
		·			VT-112	VT 05G	/376	Accept	CONTAINM	ENT
Comments:	05- VT: Prior to paint/coating removal - Ea	st of Pen 29, at Pen 29, & West of Pen 29. Rust, Flaking & Peeling	j paint v	vere note	đ.					
1906001	P29 Area	Applied Paint/Coating	E-PC	PC-2	VT-112	VT 05G	/397	Accept	CONTAINM	ENT
					VT-112	VT 05G	/380	Accept	CONTAINM	ENT
					VT-112	VT 05G\	/396	Accept	CONTAINM	ENT
Comments:	05- VT: Water Noted on floor inside Pen 2	9 Cubical - No Recordable Indications for the remainder area - Acc	eptable							

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Attachment 1C Pa Inservice Inspection Report First Interval (1997-2008), Second Period, Third Outage (2005) – IWE/IWL

 Ow Plat Plat Plat Ow Cor Cor Nat 	ner: nt: nt Unit: ner Certif mmercial : tional Boa	icate of A Service Da rd Numbe	uthorizatio ate: r for Unit	<u>R. E. Ginna Nuclear Power</u> <u>R. E. Ginna Nuclear Power</u> 1 on (If Req.) <u>N/A</u> 7 <u>/01/1970</u> : <u>N/A</u>	<u>Plant, LLC. 1503</u> <u>Plant, 1503 Lake</u>	Lake Road, Ontaric Road, Ontario New	<u>New York 14519</u> York 14519
2005 C	lass MC	Áppend	ix J Com	iponents:			
<u>Summar</u> 1904300	<u>y No.</u>	Compor Pen. AI AE-2, A AE-4, A AE-6, A AE-8, A AE-10, . AE-12, . AE-14	ent ID E-1 E-3 E-5 E-7 E-9 AE-11 AE-13	Component Description Electrical Manifold III, PT-22.20	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
	Method: Comme	nts:	Append 0.0 SCC	ix J Test - Accept. CM-Passed. See Record Category 1.0 fo	r completed PT A	ppendix J Test Resu	lts
<u>Summar</u> 1904300	<u>y No.</u>	<u>Compor</u> Pen. 2	ent ID	<u>Component Description</u> S/G Communication Flange (Inside), PTT-23.53.1	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
	Method: Comme	: nts:	Append 4.0 SCC	ix J Test - Accept. CM-Passed. See Record Category 1.0 fo	r completed PTT	Appendix J Test Res	ults
<u>Summar</u> 1904300	<u>y No.</u>	<u>Compor</u> Pen. 2	ent ID	<u>Component Description</u> S/G Communication Flange (Outside), PTT-23.53.2	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
	Method: Comme	nts:	Append 10.0 SC	ix J Test - Accept. CM-Passed. See Record Category 1.0 f	or completed PT1	Appendix J Test Ro	esults
<u>Summar</u> 1904300	<u>y No.</u>	<u>Compor</u> Pen. 29	ent ID	Component Description Fuel Transfer Flange, PTT-23.54	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
	Method: Comme	nts:	Append 0.0 SCC	ix J Test - Accept. M-Passed. See Record Category 1.0 fo	r completed PTT .	Appendix J Test Res	ults
<u>Summar</u> 1904300	<u>v No.</u>	Compor Pen. 204	ent ID	Component Description Purge Supply Flange, PTT-23.35.1	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
	Method: Comme	nts:	Append 2.0 SCC	ix J Test - Accept. M-Passed. See Record Category 1.0 fo	r completed PTT	Appendix J Test Res	ults
<u>Summar</u> 1904300	<u>y No.</u>	Compor Pen. 300	ient ID	Component Description Purge Exhaust Flange, PTT-23.36.1	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
	Method: Comme	: nts:	Append 0.0 SCC	ix J Test - Accept. M-Passed. See Record Category 1.0 fo	r completed PTT	Appendix J Test Res	ults

Attachment 1C Pa Inservice Inspection Report First Interval (1997-2008), Second Period, Third Outage (2005) – IWE/IWL

 Owner: Plant: Plant Unit: Owner Certi Commercial National Box 2005 Class MC	ficate of Authorizati Service Date: ard Number for Unit Appendix J Con	<u>R. E. Ginna Nuclear Powe</u> <u>R. E. Ginna Nuclear Powe</u> <u>1</u> on (If Req.) <u>N/A</u> 7 <u>/01/1970</u> : <u>N/A</u> pponents:	<u>r Plant, I.I.C. 1503 I</u> r <u>Plant, 1503 I.ake R</u>	<u>.ake Road, Ontario 1</u> .oad, Ontario New Y	<u>Vew York 14519</u> Tork <u>14519</u>
<u>Summary No.</u> 1904300	<u>Component ID</u> Pen. 1000	<u>Component Description</u> Personnel Hatch Door Seal, PT-22.2	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
Method Comme	: Append nts: Inner D Append	ix J Test - Accept. oor - 65.0 SCCM, Outer Door - 0.0 SC ix J Test Results	CCM, -Passed. See R	ecord Category 1.0	for completed PT
<u>Summary No.</u> 1904300	<u>Component ID</u> Pen. 2000	<u>Component Description</u> Equipment Hatch O-Ring, PT-22.7	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
Method Comme	: Append ents: 740.0 S	ix J Test - Accept. CCM-Passed. See Record Category 1.0) for completed PT A	Appendix J Test Rest	llts
<u>Summary No.</u> 1904300	<u>Component ID</u> Pen. 2000	<u>Component Description</u> Equipment Hatch Door Seal, PT-22.1	<u>Category</u> E-P	<u>Item No.</u> E9.40	Iso Dwg Number
Method Comme	: Append ents: Inner D Append	ix J Test - Accept. oor - 750.0 SCCM, Outer Door – 740.0 ix J Test Results) SCCM, -Passed. So	ee Record Category	1.0 for completed PT

Inservice Inspection Report Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

ASME Section XI Repair and Replacement Program Report (NIS-2)

APPENDIX II -- MANDATORY

	R. E. Ginna Nuc	clear Power Plant,	<u>LLÇ</u>	I	Date	<u> 16 Jun</u>	e_2005	
	Name							
<u> </u>	<u>ake Road, Ontario,</u> Addr	<u>New York 14519</u> ess		1	Sheet	1	of_ <u>29</u>)
2. Plant	<u> </u>	lear Power Plant		1	Unit	1		_ <u></u>
<u>1503 I</u>	ake Road, Ontario,	NY_14519				_(*)		
	Addr	855		1	Repair/R	eplacem	ent Organizatio	n P.O. No, Job I
8. Work Perform	ed by	<u>(*)</u>			Гуре Со	ie Symb	ol StampN	/A
		Name		1	Authoriz Expiratio	ation No on Date	• <u>N</u>	/A /A
		(*)	· - ·				· ·	
	Addr	ess						
I. Identification of	of System	(*)						
Identification (of Components							<u> </u>
5. Identification of Name of Component	of Components Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identificati	on	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
5. Identification of Name of Component (*)	Name of Manufacturer	Manufacturer Serial No. (*)	National Board No. (*)	Other Identificati (*)	on	Year Built (*)	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
5. Identification of Name of Component (*)	Name of Manufacturer	Manufacturer Serial No (*)	National Board No. (*)	Other Identificati (*)	on	Year Built (*)	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No) (*)
5. Identification of Name of Component (*)	Name of Manufacturer	Manufacturer Serial No. (*)	National Board No. (*)	Other Identificati (*)	on	Year Built (*)	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No) (*)
5. Identification of Name of Component (*)	of Components Name of Manufacturer (*)	Manufacturer Serial No. (*)	National Board No. (*)	Other Identificati (*)	on	Year Built (*)	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
5. Identification of Name of Component (*)	of Components Name of Manufacturer (*)	Manufacturer Serial No. (*)	National Board No. (*)	Other Identificati (*)	on	Year Built (*)	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No) (*)
5. Identification of Name of Component (*)	of Components Name of Manufacturer (*)	Manufacturer Serial No. (*)	National Board No. (*)	Other Identificati (*)	on	Year Built (*)	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
5. Identification of Name of Component (*) 7. Description of 8. Tests Conduct	Work	Manufacturer Serial No (*)	National Board No. (*)	Other Identificati (*)		Year Built (*)	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
5. Identification of Component (*) 7. Description of 8. Tests Conductor	Name of Manufacturer (*) (*) Work ed: (*) Hydr Other	Manufacturer Serial No. (*) (*) ostatic Pne Pressure	National Board No. (*)	Other Identificati (*) Nominal O Test Temp	on	Year Built (*) Pressur	Corrected, Removed, or Installed (*)	ASME Code Stamped (Yes or No) (*)

Form NIS-2

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1995 SECTION XI -- Division 1

Page	2
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Remarks	(*)Ap	plication Manufacturer's	Data Report to be attached	······································	
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		CERTIFICATE OI	COMPLAINCE		
I certify that Section XI.	t the statements made in a	the report are correct and	that this conforms to the re	quirements of the ASME	Code,
Type Code Symbol :	Stamp N/	A			
Certificate of Autho	rization NoN/	AExpir	ation Date	<u>N/A</u>	
Signed _ Fran	LA Klepa	chDate	16 June	,2005	
Frank	A. Klepacki - ISI Engin	neer		· · · ·	
Owne	tor Owner's Designee, 1	inc			
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				···	
		CERTIFICATE OF INSI	ERVICE INSPECTION		
I, the undersigned, h	olding a valid commission	CERTIFICATE OF INS	ERVICE INSPECTION Board of Boiler and Pressi	re Vessel Inspection	
I, the undersigned, h and the State or Pro-	olding a valid commission vince of <u>N/A</u> and e	CERTIFICATE OF INSI on issued by the National mployed by <u>ABS</u>	ERVICE INSPECTION Board of Boiler and Pressi of <u>Houston</u> 12/02/2003	tre Vessel Inspection <u>TX</u> have inspecter to 6/16/2005	d
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Inservice Inspection Report Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519

- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

REPAIR, REPLACEMENT and MODIFICATION PROGRAM

The Repair and Replacement (R&R) Program, as identified within the "Fourth Interval Inservice Inspection (ISI) Program", identifies component jurisdiction and associated requirements. Applicable Repair or Replacement activities have been performed in accordance with ASME Section XI Code, 1995 Edition, 1996 Addenda or the 1992 Edition with 1992 Addenda for IWE/IWL (Containment).

When an item under the rules and requirements of the "Inservice Inspection (ISI) Program" is found deficient, an Engineering "use-as-is" evaluation may result. This determination is indicated within the ISI Program Summary, "Attachment I", for the applicable component within this report. If the deficiency results in a Code Repair or Replacement; the deficiency will be classified as one of three category types. These category types shall consist of a "Code Service Induced Rejectable Indication", a "Code Rejectable Indication" and a "Corrective Action Activity".

A "Code Service Induced Rejectable Indication" occurs when a component under the R&R Program contains an indication that is beyond ASME Section XI Code acceptable standards and was determined to be "Service Induced". "Service Induced" indications, stemming from Inservice Inspection Examinations (ISI), shall have additional expanded examinations performed, as required. The associated expanded examinations shall be performed in accordance to the requirements of ASME Section XI Code.

A "Code Rejectable Indication" occurs when a component under the R&R Program contains an indication that is beyond ASME Section XI Code acceptable standards and was determined to be not "Service Induced". This category includes but is not limited to items such as welding discontinuities from a replacement activity identified during ISI preservice examinations or component damage caused by human involvement.

Inservice Inspection Report Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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ATTACHMENT II

A "Corrective Action Activity" may occur when a component under the R&R Program requires corrective action. This corrective action may be a result from a maintenance operation that identifies a need to perform a Code Repair or Replacement. This category includes but is not limited to items such as machining a component to correct an identified problem or the removal and later reapplication of hardface material on pressure boundary surfaces.

The following groups have performed applicable Repair or Replacement activities. Each group is identified by a number, and the number will correspond to the groups' name and address. In the below listing of Code Repairs or Replacements; the work group will be identified by a number within the component discussion.

- R. E. Ginna Nuclear Power Plant, LLC
 1503 Lake Road
 Ontario, NY 14519
- Southeast Valve Inc. PO Box 7850 Charlotte, NC 28241

- The Atlantic Group, Inc. 5426 Robin Hood Rd. Norfolk, Va. 23513
- Portersville Valve Co.
 PO Box 89
 Portersville, PA. 16051

The following information will report applicable Repairs or Replacements performed at R. E. Ginna Nuclear Power Plant during this reporting period as required by ASME Section XI Code. It should be noted that the first two numbers contained within the "GORR Number" identifies the outage number and not the year of the outage.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC, 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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ATTACHMENT_II

- <u>ASME Class:</u> 2 <u>System:</u> RHR <u>GORR No.:</u> 31-001 <u>Line:</u> 10" <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> ASME III NF '74/'95/'96, EWR-2512, ME-318 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Component Support RHU-75 Modification <u>Work Description/Remarks:</u> A Section XI Code replacement activity was initiated to extend the support base plate and install new hilti bolts. This activity was controlled by WO # 20300818, TE 2003-0035 & Action Report 2003-0614. Upon completion of this code activity, construction code VT and MT examinations were performed and acceptable. ASME Section XI VT baseline examination was performed and acceptable. See NDE Summary # R03010 and I131710.
- 2. <u>ASME Class:</u> 3 <u>System:</u> CCW <u>GORR No.:</u> 31-002 <u>Line:</u> 1 ½" <u>Category:</u> Code Service Induced Rejectable Indication <u>Construction Code:</u> ASME III '92/'95/'96 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-1 <u>Name of Component:</u> Repair of Fillet Weld by V775C <u>Work Description/Remarks:</u> A Section XI Code activity was initiated to repair by metal removal a weld defect on a 1 ½" line by Valve 775C. This activity was controlled by WO # 20300658 & Action Report 2003-0491. Upon completion of a code repair, construction code VT examination was performed and acceptable. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05002.
- 3. <u>ASME Class: 2</u> <u>System: CVCS</u> <u>GORR No.:</u> 31-003 <u>Component: PCH01C</u> <u>Category: Corrective Action Activity</u> <u>Construction Code: ME-318, Westinghouse G-676370, ASME III '65/'86/'92/'95/'96.</u> <u>Work Performed By: 1</u> <u>Code Case/Relief Request: Code Case N-416-1</u> <u>Name of Component: Valve Seat on "C" Charging Pump.</u> <u>Work Description/Remarks:</u> A Replacement activity was initiated to remove and install two (2) valve seats on the "C" Charging Pump. This activity was controlled by Work Order # 20303459 and Action Report Number 2003-3371. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05050.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) – IWE/IWL

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ATTACHMENT II

- <u>ASME Class:</u> 2 <u>System:</u> CVCS <u>GORR No.:</u> 31-004
 <u>Component:</u> PCH01A <u>Category:</u> Corrective Action Activity
 <u>Construction Code:</u> ME-318, Westinghouse G-676370, ASME III '65/'86/'92/'95/'96.
 <u>Work Performed By:</u> 1
 <u>Code Case/Relief Request:</u> Code Case N-416-1
 <u>Name of Component:</u> Valve Seat on "A" Charging Pump.
 <u>Work Description/Remarks:</u> A Replacement activity was initiated to remove and install six
 (6) valve seats on the "A" Charging Pump. This activity was controlled by Work Order # 20400470 and Action Report Number 2004-0227. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05046.
- 5. <u>ASME Class:</u> 3 <u>System:</u> DG <u>GORR No.:</u> 31-005 <u>Line:</u> 2 ½" <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> B31.1 1955, B16.34, ASME III '92/'95/'96 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-1 <u>Name of Component:</u> Relief Valve 5989 Mechanical Replacement <u>Work Description/Remarks:</u> A Section XI Code like-for-like replacement activity was initiated to perform a mechanical replacement of relief valve 5989. This activity was controlled by WO # 20400965. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05004.
- 6. <u>ASME Class:</u> 3 <u>System:</u> AFW <u>GORR No.:</u> 31-006 <u>Component:</u> PAF01B <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Westinghouse G-676262, Gilbert SP-5291, B31.1 1955, ME-318, ASME III '92/'95/'96

Work Performed By: 1

<u>Name of Component:</u> AFW Pump "B" Suction Flange Bolting Replacement <u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install new suction flange bolting on the Auxiliary Feed Water Pump "B". This activity was controlled by WO # 20302896.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) - ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

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ATTACHMENT II

7. ASME Class: 2 System: SI GORR No.: 31-007 Component: PSI01B Category: Corrective Action Activity Construction Code: Westinghouse G-676262, Gilbert SP-5291, B31.1 1955, ME-318, ASME III '92/'95/'96 Work Performed By: 1

Code Case/Relief Request: Code Case N-416-1

Name of Component: SI Pump "B" Suction Flange Bolting Replacement Work Description/Remarks: A Like for Like replacement activity was initiated to install new 4" suction flange bolting on the Safety Injection Pump "B". This activity was controlled by WO # 20300864. An ASME Section XI VT-2 Leakage examination was performed and acceptable but was not required. See NDE Summary # R05007.

8. ASME Class: 3 System: SFPC GORR No.: 31-008 Component: EAC14 Category: Corrective Action Activity Construction Code: Gilbert SP-5291, ASME VIII '92, NBIC '92, ASME III '92/'95/'96, **ME-318**

Work Performed By: 1

Code Case/Relief Request: Code Case N-416-1

Name of Component: Spent Fuel Pool Heat Exchanger shell coupling (2 1/2") and associated pipe insert (2") Replacement

Work Description/Remarks: A replacement activity was initiated to install a new 2 1/2" shell coupling and a 2" pipe insert associated with the Spent Fuel Pool Heat Exchanger EAC14. This activity was controlled by WO # 20402451 & PCR 2004-0027. Construction Code MT and VT examinations were performed on associated required root and final welds and acceptable. An ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05008.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

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ATTACHMENT II

- 9. <u>ASME Class: 2</u> <u>System: CS</u> <u>GORR No.:</u> 31-009 <u>Component: PSI02B</u> <u>Category: Corrective Action Activity</u> <u>Construction Code:</u> Gilbert SP-5291, B31.1 1955, ME-318, ASME III '95/'96 <u>Work Performed By: 1</u> <u>Name of Component:</u> CS Pump "B" Discharge Flange Bolting Replacement <u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install new discharge flange bolting on the Containment Spray Pump "B". This activity was controlled by WO # 20401581 and Action Report 2004-0706.
- 10. <u>ASME Class: 2</u> <u>System: CVCS</u> <u>GORR No.:</u> 31-010A/B <u>Component: V296, CVU-63</u> <u>Category: Corrective Action Activity</u> <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, B16.34, ASME III '92/'95/'96, ME-318 <u>Work Performed By: 1</u> <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> Associated 2" piping and Valve 296 Replacement. Removed and reinstall Component Support CVU-63 by welding to obtain access to

Valve 296.

<u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install new 2" piping and valve 296. Component Support CVU-63 was removed and reinstalled by welding to obtain access to valve 296. This activity was controlled by WO # 20302819. Construction Code PT and VT examinations were performed and acceptable on piping welds. Construction Code VT examination was performed and acceptable on the support welds. ASME Section XI baseline component support VT examination and a VT-2 Leakage examination on piping welds were performed and acceptable. See NDE Summary # R05024.

11. <u>ASME Class:</u> 1

<u>System:</u> RCS

<u>GORR No.:</u> 31-011 <u>Category:</u> Corrective Action Activity

Line: 29" <u>Construction Code:</u> ASME III '95/'96 <u>Work Performed By:</u> 1

Name of Component: Repair – Reapplication of Seal Weld associated with TE-401A. Work Description/Remarks: A Section XI Code Repair activity was initiated to re-apply a Seal Weld associated with TE-401A replacement. This activity was controlled by WO # 20500374, TSR 2005-0032 & TE-97-006. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05028.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

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ATTACHMENT II

12. <u>ASME Class:</u> 1 <u>Line:</u> 29" <u>System:</u> RCS

<u>GORR No.:</u> 31-012 <u>Category:</u> Corrective Action Activity

Construction Code: ASME III '95/'96 Work Performed By: 1

<u>Name of Component:</u> Repair – Reapplication of Seal Weld associated with TE-408A. <u>Work Description/Remarks:</u> A Section XI Code Repair activity was initiated to re-apply a Seal Weld associated with TE-408A replacement. This activity was controlled by WO # 20302867, TSR 2005-0032 & TE-97-006. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05030.

13. <u>ASME Class:</u> 1 Line: 29" System: RCS

<u>GORR No.:</u> 31-013 <u>Category:</u> Corrective Action Activity

Construction Code: ASME III '95/'96 Work Performed By: 1

<u>Name of Component:</u> Repair – Reapplication of Seal Weld associated with TE-402A. <u>Work Description/Remarks:</u> A Section XI Code Repair activity was initiated to re-apply a Seal Weld associated with TE-402A replacement. This activity was controlled by WO # 20401588, TSR 2005-0032 & TE-97-006. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05029.

 14. <u>ASME Class: 3</u> <u>System: SW</u> <u>GORR No.:</u> 31-014 <u>Component: Valve 4734</u> <u>Category: Corrective Action Activity</u> <u>Construction Code:</u> Westinghouse Specification G-676262, Gilbert SP-5291, B31.1 1955, ME-318, ASME III '95/'96 <u>Work Performed By:</u> 3 <u>Name of Component:</u> Valve 4734 Flange Bolting Replacement <u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install new flange bolting associated with 14" Valve 4734. This activity was controlled by WO # 20203789 and Action Report 2004-1604.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
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ATTACHMENT II

15. ASME Class: 3

Line: 2 ¹/₂"

System: SW

<u>GORR No.:</u> 31-015

Category: Corrective Action Activity

<u>Construction Code:</u> Gilbert SP-5291, B31.1 '55, B16.34, ASME III '92/'95/'96, ME-318 <u>Work Performed By:</u> 1

Code Case/Relief Request: Code Case N-416-2

Name of Component: Valve 4624 Replacement.

<u>Work Description/Remarks</u>: A Like for Like replacement activity was initiated to install a new 2 ½" valve 4624. This activity was controlled by WO # 20302590. Construction Code MT and VT examinations were performed and acceptable. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05039.

 16.
 ASME Class: 3
 System: AFW
 GORR No.: 31-016

 Component:
 PAF01A, PAF01B
 Category: Corrective Action Activity

 Construction Code:
 EWR-2512, B31.1 '67/'73, ASME III '92/'95/'96, ME-318

 Work Performed By:
 1

 Outle Control Code:
 EWR-2512, Date Control Code:

Code Case/Relief Request: Code Case N-416-2

Name of Component: Flange Bolting and 2" Recirculation Piping on AFW Pumps "A" & "B" Replacement.

<u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install new flange bolting and 2" recirculation piping on AFW Pumps "A" and "B". This activity was controlled by WO # 20403110, 20400903 and PCR 2003-0043. Construction Code VT examinations were performed and acceptable. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary #'s R05017 & R05018.

 17. <u>ASME Class:</u> 3 <u>System:</u> SW <u>GORR No.:</u> 31-017 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Gilbert SP-5291, B31.1 '55, ASME III '95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Flange Bolting Replacement on Valve 4620. <u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install new 7/8" flange bolting on 14" Valve 4620 one at a time. This activity was controlled by WO # 20403212 and Action Report 2004-1859.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) – IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

- 18. <u>ASME Class:</u> 3 <u>System:</u> SW <u>GORR No.</u>: 31-018 <u>Component:</u> V4620, SWU-164 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Gilbert SP-5291, EWR-2512, B31.1 '55, ASME III '92/'95/'96, ASME III NF '74, ME-318, ME-121 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> 10"/14" piping replacement downstream of Valve 4620 & re
 - atachment of Integral Attachment associated with component support SWU-164.

<u>Work Description/Remarks</u>: A replacement activity was initiated to install new 10" and 14" piping downstream of Valve 4620 and the re-attachment of integral attachment associated with component support SWU-164. This activity was controlled by WO # 20403212, TE 2000-0047 and Action Report 2001-1205. Construction Code VT and RT examinations were performed and acceptable on piping welds. Construction Code VT examination was performed and acceptable on the integral attachment associated with component support SWU-164. ASME Section XI baseline component support VT examination and integral attachment examination was performed under ISI Summary Number I501660 & I501665. ASME Section XI VT-2 Leakage examination on piping welds were performed and acceptable. See NDE Summary # R05033.

19. <u>ASME Class:</u> 2 <u>System:</u> CVCS <u>GORR No.</u>: 31-019 <u>Component:</u> PCH01B <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> ME-318, Westinghouse G-676370, ASME III '65/'86/'92/'95/'96. <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-1 <u>Name of Component:</u> Valve Seat on "B" Charging Pump. <u>Work Description/Remarks:</u> A Replacement activity was initiated to remove and install valve seats on the "B" Charging Pump. This activity was controlled by Work Order # 20403564 and Action Report Number 2004-2174. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05051.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

<u>ATTACHMENT II</u>

20. <u>ASME Class:</u> 2 <u>System:</u> CVCS <u>GORR No.:</u> 31-020 <u>Component:</u> FE 116A <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Westinghouse G-676262. Gilbert SP-5291, B31.1 '55, <u>ASME III '92/'95/'96, ME-318</u> <u>Work Performed By:</u> 1

<u>Name of Component:</u> Flange Bolting Replacement on FE 116A. <u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install new flange bolting on FE 116A. This activity was controlled by WO # 20400186 and Action Report 2004-0128.

- 21. <u>ASME Class:</u> 3 <u>System:</u> SW <u>GORR No.:</u> 31-021 <u>Component:</u> SWU-531, SWU-582 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, ASME III NF '74, ME-318, ME-121 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Nut Replacement on Component Supports SWU-531 & SWU-582. <u>Work Description/Remarks:</u> A Like for Like nut replacement activity was initiated to install new nuts on Component Supports SWU-531 & SWU-582. This activity was controlled by WO # 20401904. VT examinations were performed and acceptable. See NDE Summary #'s R05012 & R05013.
- 22. <u>ASME Class:</u> 1 <u>System:</u> CVCS <u>GORR No.:</u> 31-022/022A <u>Component:</u> V9314 <u>Category:</u> Code Rejectable Indication <u>Construction Code:</u> Westinghouse G-676343, G-676496; EWR-2512, B31.1 '67/'73, <u>ASME III '95/'96, ME-318</u> <u>Work Performed By:</u> 1 Name of Component: Repair Seal Weld on Value 9314 and installation (Replacement)

<u>Name of Component:</u> Repair Seal Weld on Valve 9314 and installation (Replacement) of ¹/₂" drain line.

Work Description/Remarks: A Repair activity was initiated to reapply a Seal Weld on Valve 9314 and a Replacement activity to install a ½" drain line due to a gasket leak. This activity was controlled by WO # 20403953, Action Report 2004-2510, TE 2004-0030 and TM 2004-0013. Construction Code PT and VT examinations were performed and acceptable. See NDE Summary # R05014.

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Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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ATTACHMENT II

- 23. GORR No.: 31-023 Cancelled
- 24. <u>ASME Class: 1</u> <u>System: CVCS</u> <u>GORR No.:</u> 31-024 <u>Component: V9315</u> <u>Category: Corrective Action Activity</u> <u>Construction Code:</u> ASME III '95/'96 <u>Work Performed By: 1</u> <u>Name of Component:</u> Repair – Seal Weld Valve 9315. <u>Work Description/Remarks:</u> A Section XI Code Repair activity was initiated to Seal Weld 2" Valve 9315. This activity was controlled by WO # 20403951, TE 2004-0030 and Action Report 2004-2510. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05015.
- 25. <u>ASME Class:</u> 3 <u>System:</u> DG <u>GORR No.:</u> 31-025 <u>Component:</u> V 5990 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> B31.1 '55, B16.34, ASME III '92/'95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> Relief Valve 5990 Replacement. <u>Work Description/Remarks:</u> A Like for Like replacement activity was initiated to install a 2 ½" relief valve 5990 by mechanical means. This activity was controlled by WO # 20401007. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05052.
- 26. <u>ASME Class</u>: 3 <u>System</u>: DG <u>GORR No.</u>: 31-026 <u>Component</u>: V 5959 <u>Category</u>: Corrective Action Activity <u>Construction Code</u>: Gilbert SP-5291, B31.1 '55, B16.34, ASME III '92/'95/'96, ME-318 <u>Work Performed By</u>: 1 <u>Code Case/Relief Request</u>: Code Case N-416-2 <u>Name of Component</u>: Relief Valve 5959 Replacement. <u>Work Description/Remarks</u>: A'Like for Like replacement activity was initiated to install a 1 ½" relief valve 5959 by mechanical means. This activity was controlled by WO # 20401005. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05053.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

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- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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ATTACHMENT II

- 27. GORR No.: 31-027 Cancelled
- 28. <u>ASME Class:</u> 1 <u>System:</u> RHR <u>GORR No.:</u> 31-028 <u>Line:</u> ³⁄₄" <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Westinghouse G-676343, G-676496; B31.1 '55, B16.5, <u>ASME III '92/'95/'96, ME-318</u>

Work Performed By: 1

Code Case/Relief Request: Code Case N-416-2

<u>Name of Component:</u> Replace ¾" line Flange & 3/8" Connection downstream of Valve 852C.

Work Description/Remarks: A Like for Like replacement activity was initiated to install a ³/₄" line Flange and 3/8" connection downstream of Valve 852C. This activity was controlled by WO # 20303108. Construction Code VT and PT examinations were performed and accepted. ASME Section XI VT-2 Leakage examination was performed and acceptable under PT-7 but was not required by code. See NDE Summary # R05021.

- 29. GORR No.: 31-029 Cancelled
- 30. <u>ASME Class:</u> 2 <u>System:</u> CCW <u>GORR No.:</u> 31-030 <u>Component:</u> LAC01, V2752, V2753 <u>Category:</u> Corrective Action Activity <u>Line:</u> 4", 3" & 2" (Flange Bolting) <u>Construction Code:</u> Gilbert SP-5291, B31.1 '55, ASME III '95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Flange Bolting Replacement on LAC01, V2752, V2753 and 4", 3", & 2" Flanges. <u>Work Description/Remarks:</u> A Like for Like mechanical replacement activity was initiated to install new flange bolting on component LAC01, Valve 2752, Valve 2753 and 4", 3" and 2" Flanges. This activity was controlled by WO # 20403934.
- 31. GORR No.: 31-031 Cancelled

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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ATTACHMENT_II

- 32. <u>ASME Class:</u> 2 <u>System:</u> RHR <u>GORR No.:</u> 31-032 <u>Component:</u> FE 672 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Gilbert SP-5291, B31.1 '55, ASME III '95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Bolting Replacement on FE 672. <u>Work Description/Remarks:</u> A Like for Like mechanical replacement activity was initiated to install new bolting on FE 116A. This activity was controlled by WO # 20402941.
- 33. <u>ASME Class: 2</u> <u>System:</u> SW <u>GORR No.:</u> 31-033 <u>Component:</u> V4619 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Gilbert SP-5291, B31.1 '55, ASME III '95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Bolting Replacement on Valve 4619. <u>Work Description/Remarks:</u> A Like for Like mechanical replacement activity was initiated to install new bolting on 14" Valve 4619. This activity was controlled by WO # 20403055 and Action Report 2004-1859.
- 34. <u>ASME Class:</u> 2 <u>System:</u> CVCS <u>GORR No.:</u> 31-034A <u>Component:</u> CVU-414, CVU-415 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, ASME III NF '74, ME-318, ME-121 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Nut Replacement on Component Supports CVU-414 & CVU-415. <u>Work Description/Remarks:</u> A Like for Like nut replacement activity was initiated to install new nuts on Component Supports CVU-414 & CVU-415. This activity was controlled by Action Report 2004-1070 and WO #'s 20401160 & 20402269. ASME Section XI baseline VT examinations were performed and acceptable. See ISI Summary #'s 1077800 & 1077900.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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ATTACHMENT II

35. <u>ASME Class:</u> 2 <u>System:</u> CVCS <u>GORR No.:</u> 31-035
 <u>Component:</u> V294, CVU-59 <u>Category:</u> Corrective Action Activity
 <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, ASME III '92/'95/'96, ASME III NF '74, ME-318, ME-121
 <u>Work Performed By:</u> 2
 Name of Component: Replacement of Hilti Bolting on CVII-59 and Bonnet. Cage & Plug

<u>Name of Component:</u> Replacement of Hilti Bolting on CVU-59 and Bonnet, Cage & Plug on V294.

<u>Work Description/Remarks</u>: A Like for Like replacement activity was initiated to install new hilti bolting on Component Supports CVU-59 which had its base plate rotated. Also, Valve 294 had its bonnet, cage and plug replaced. This activity was controlled by Action Report 2004-3027 and WO # 20404087. ASME Section XI VT-2 leakage examination was performed and acceptable. ASME Section XI baseline VT examination was performed and acceptable. See ISI Summary # I050966 & NDE Summary # R05048.

36. <u>ASME Class:</u> 1 <u>System:</u> RC <u>Component:</u> V509, V511, V534, V952 <u>Construction Code:</u> ASME III '92/'95/'96, Work Performed By: 1

GORR No.: 31-036 Category: Corrective Action Activity

Code Case/Relief Request: Code Case N-416-2

Name of Component: Repair undersize welds on ¾" line for valves 509, 511, 534 & 952. Work Description/Remarks: A Repair activity was initiated to address undersize ¾" line welds on Valves 509, 511, 534 and 952. This activity was controlled by Action Report 2003-2566 and WO # 20303256. Construction Code VT and PT examinations were performed and acceptable. ASME Section XI VT-2 leakage examination was performed and acceptable. See NDE Summary # R05041.

 37. <u>ASME Class:</u> 3 <u>System:</u> MS <u>GORR No.:</u> 31-037 <u>Component:</u> V3519 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, B16.34, ASME III '95/'96, ME-318 <u>Work Performed By:</u> 2 <u>Name of Component:</u> Disc Pin Replacement on Valve 3519. <u>Work Description/Remarks:</u> A Like for Like mechanical replacement activity was initiated to install a new disc pin on 30" Valve 3519. This activity was controlled by WO # 20302604.
Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519

- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

- 38. <u>ASME Class:</u> 3 <u>System:</u> SW <u>GORR No.:</u> 31-038 <u>Component:</u> V4579, V4579A, V4579B <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, B16.15, ASME III '92/'95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> Replace Valves 4579, 4579A, 4579B & associated 1 ½" Piping. <u>Work Description/Remarks:</u> A Replacement activity was initiated to install valves 4579, 4579A, 4579B and associated 1 ½" copper Piping. This activity was controlled by Action Reports 2004-0452, 2004-3256, 2004-3224, TE 2004-0036 and WO # 20400943.
 - Construction Code VT examinations were performed and acceptable. ASME Section XI VT-2 leakage examination was performed and acceptable. See NDE Summary # R05016.
- 39. <u>ASME Class:</u> 3 <u>System:</u> AFW <u>GORR No.:</u> 31-039 <u>Component:</u> PAF01A <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> Worthington Pump VM-W318-0017, Gilbert BM-22698, ASME III '74 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Installation of Copper Washers on AFW Pump "A" Casing Studs. <u>Work Description/Remarks:</u> A mechanical replacement activity was initiated to install copper washers on the casing studs on the Auxiliary Feed Water Pump "A" (PAF01A). This activity was controlled by WO # 20402407 and Action Report 2004-1137. ASME Section XI VT-2 leakage examination was performed and acceptable. See ISI Summary # I411700.

 40. <u>ASME Class: 3</u> <u>System: SFP</u> <u>GORR No.: 31-040</u> <u>Component: PAC07B</u> <u>Category: Corrective Action Activity</u> <u>Construction Code:</u> EWR-1594, ASME III '77/'78/'95/'96, ME-318 <u>Work Performed By: 1</u> <u>Name of Component:</u> Flange Bolting Replacement on Spent Fuel Pool Recirculation Pump "B".
 <u>Work Description/Remarks:</u> A Like for Like mechanical replacement activity was initiated to install new flange (8" & 6") bolting on the Spent Fuel Pool Recirculation Pump "B". This activity was controlled by WO # 20403802.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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<u>ATTACHMENT II</u>

- 41. <u>ASME Class: 3</u> <u>System:</u> MS <u>GORR No.:</u> 31-041
 <u>Component:</u> V8527 <u>Category:</u> Corrective Action Activity
 <u>Construction Code:</u> EWR-2512, B31.1 '55, B16.34, ASME III '92/'95/'96, ME-318
 <u>Work Performed By:</u> 1
 <u>Code Case/Relief Request:</u> Code Case N-416-2
 <u>Name of Component:</u> Replace Valve 8527
 <u>Work Description/Remarks:</u> A Like for Like Replacement activity was initiated to install a new 1 ½" valve 8527. This activity was controlled by Action Report 2004-2001 and WO # 20403323. Construction Code VT examinations were performed and acceptable. ASME Section XI VT-2 leakage examination was performed and acceptable. See NDE Summary # R05019.
- 42. <u>ASME Class:</u> 2 <u>System:</u> FW <u>GORR No.:</u> 31-042/042A <u>Component:</u> V3993 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> B31.1 '55, ASME III '95/'96, <u>Work Performed By:</u> 4 Name of Component: Renair of Value Body Base Metal. Disc and Guides Hardfacing of

Name of Component: Repair of Valve Body Base Metal, Disc and Guides Hardfacing of Valve 3993.

<u>Work Description/Remarks</u>: A Repair activity was initiated to weld repair the valve body base metal and hardfacing of the disc and guides associated with the 14" valve 3993. This activity was controlled by WO # 20400503. Construction Code VT and PT examinations were performed on the valve body and acceptable. Construction Code VT and PT examinations were performed on the hardfaced disc and guides and acceptable. See NDE Summary # R05043.

 43. <u>ASME Class:</u> 1 <u>System:</u> CVCS <u>GORR No.:</u> 31-043 <u>Component:</u> V9315 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> ASME III '95/'96 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Repair – Seal Weld on Valve 9315. <u>Work Description/Remarks:</u> A Section XI Code Repair activity was initiated to re-apply a Seal Weld associated with a 2" Valve 9315. This activity was controlled by WO # 20402897 and TE 2004-0030. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05032.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
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ATTACHMENT II

- 44. <u>ASME Class: 1</u> <u>System: CVCS</u> <u>GORR No.:</u> 31-044
 <u>Component: V9314</u> <u>Category: Corrective Action Activity</u>
 <u>Construction Code:</u> ASME III '95/'96
 <u>Work Performed By: 1</u>
 <u>Name of Component:</u> Repair Seal Weld on Valve 9314.
 <u>Work Description/Remarks:</u> A Section XI Code Repair activity was initiated to re-apply a Seal Weld associated with a 2" Valve 9314. This activity was controlled by WO # 20404124 and TE 2004-0030. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05031.
- 45. GORR No.: 31-045 ASME Class: 1 System: CVCS **Category: Corrective Action Activity** Component: V295 Construction Code: EWR-2512, B31.1 '67/'73, B16.34, ASME III '92/'95/'96, ME-318 Work Performed By: 1 Code Case/Relief Request: Code Case N-416-2 Name of Component: Replace Valve 295 & associated 2" piping. Work Description/Remarks: A Code Replacement activity was initiated to install a new 2" valve 295 with associated piping. This activity was controlled by Action Report 2004-2728, TE 2005-0005 and WO # 20404094. Construction Code VT and PT examinations were performed and acceptable. ASME Section XI VT-2 leakage examination was performed and acceptable. See NDE Summary # R05034. ASME Section XI baseline PT examinations were performed and acceptable. See ISI Summary #'s I050750, I 050800, I050885 & 1050888.
- 46. <u>ASME Class; 2</u> <u>System: FW</u> <u>GORR No.:</u> 31-046/046A <u>Component: V3992</u> <u>Category: Corrective Action Activity</u> <u>Construction Code:</u> B31.1 '55, ASME III '95/'96, <u>Work Performed By:</u> 4 <u>Name of Component:</u> Repair of Valve Body Base Metal & Hardface Disc on Valve 3992. <u>Work Description/Remarks:</u> A Repair activity was initiated to weld repair the valve body base metal and hardfacing of the disc associated with the 14" valve 3992. This activity was controlled by WO # 20400502. Construction Code VT and PT examinations were performed on the valve body and acceptable. Construction Code PT examination was performed on the hardfaced disc and acceptable. See NDE Summary # R05036.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

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ATTACHMENT II

47. <u>ASME Class:</u> 2 Component: PAC01B <u>System:</u> RHR

<u>GORR No.:</u> 31-047 Category: Corrective Action Activity

Construction Code: ASME III '65 Work Performed By: 1

<u>Name of Component:</u> Repair of RHR Pump "B" Gland by Machining & inserting a ½" Tap within the Pump Casing.

<u>Work Description/Remarks</u>: A Repair activity was initiated to machine a Gland and relocating an ¹/₂" tap hole within the pump casing. This activity was controlled by WO # 20404459 and TE 2004-0136. Construction Code VT and PT examinations were performed on the valve body and acceptable. Construction Code PT examination was performed on the hardfaced disc and acceptable. See NDE Summary # R05036.

- 48. <u>ASME Class: 2</u> System: RHR <u>GORR No.:</u> 31-048
 <u>Component:</u> RHU-92 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, ASME III NF '74, MSS SP-58 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Snubber Replacement on Component Support RHU-92 <u>Work Description/Remarks:</u> A Like for Like Replacement activity was initiated to install a new Snubber for Component Support RHU-92 located on a 6" line. This activity was controlled by WO # 20501165. ASME Section XI VT baseline examination was performed and acceptable. See ISI Summary # 1130150 & 1601800.
- 49. <u>ASME Class:</u> 1 <u>System:</u> RCS <u>GORR No.:</u> 31-049
 <u>Component:</u> PRC01A, PRC01B <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, ASME III NF '74/'86/'95/'96 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Support Replacement on Reactor Coolant Pump "A" & "B" <u>Work Description/Remarks:</u> A Replacement activity was initiated to modify the supports on the Reactor Coolant Pumps ("A" & "B") by adding welded gussets to the existing base plate and "I" beam. This activity was controlled by WO # 20402521 and PCR 2004-0030. Construction Code VT and MT examinations were performed and acceptable. See NDE Summary # R05027. ASME Section XI VT baseline examinations were performed and acceptable. See ISI Summary # I057310, I057320, I057330, I058130, I 058140 & I058150.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: <u>R.E. Ginna Nuclear Power Plant 1503 Lake Rd.</u>, Ontario N.Y. 14519
- Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

50. <u>ASME Class:</u> 2 <u>System:</u> RHR <u>GORR No.:</u> 31-050A/B <u>Component:</u> V856, RHU-79 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, ASME III NF '74/'95/'96, ASME III '92/'95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> Repair by Seal Welding Valve 856, Removal & Reinstallation of Component Support RHU-79 by welding to obtain access to Valve 856.

<u>Work Description/Remarks:</u> A Repair activity was initiated to seal weld 10" Valve 856. A Replacement activity was also performed to remove and reinstall by welding Component Support RHU-79 that was needed to be removed to gain access to Valve 856. This activity was controlled by WO # 20501522 and Action Report 2005-0788. Construction Code PT and VT examinations were performed and acceptable on the seal weld. Construction Code VT examination was performed and acceptable on the support welds. ASME Section XI baseline component support VT examination was performed and acceptable under ISI Summary # I130450. An ASME Section XI VT-2 Leakage examination was performed and acceptable but not required. See NDE Summary # R05022.

51. ASME Class: 1 System: CVCS <u>GORR No.:</u> 31-051 Component: ECH03 Category: Corrective Action Activity Construction Code: EWR-2512, B31.1 '55, ASME III '92/'95/'96, ME-318 Work Performed By: 1 Code Case/Relief Request: Code Case N-416-2 Name of Component: Replace ³/₄" Coupling on Excess Letdown Heat Exchanger (ECH03) Line. Work Description/Remarks: A Code Replacement activity was initiated to install a new coupling on a ³/₄" Excess Letdown Heat Exchanger Line. This activity was controlled by WO # 20401573 and DBCOR 2005-0007. Construction Code VT and PT examinations were performed and acceptable. ASME Section XI VT-2 Leakage examination is not required but was performed and acceptable under PT-7. See NDE Summary # R05026.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

52. <u>ASME Class:</u> 2 <u>System:</u> RHR <u>GORR No.:</u> 31-052 <u>Component:</u> EAC02A, EAC02B <u>Category:</u> Code Rejectable Indication <u>Construction Code:</u> ASME III '95/'96 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Grind Repair of Outlet Reinforcing Plate Weld (ORPRHE-1A) on EAC02A and Inlet Reinforcing Plate Weld (IRPRHE-1B) on EAC02B.

<u>Work Description/Remarks</u>: A Section XI Code activity was initiated to repair by metal removal original fabrication weld defects. On RHR Heat Exchanger "A" (EAC02A), the Outlet Reinforcing Plate Weld (ORPRHE-1A) was repaired by metal removal. On RHR Heat Exchanger "B" (EAC02B), the Inlet Reinforcing Plate Weld (IRPRHE-1B) was repaired by metal removal. This activity was controlled by WO # 20400669 & Action Reports 2005-1040 and 2005-1039. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05023. ASME Section XI baseline PT examinations were performed and acceptable. See ISI Summary #'s 1169090 & I169270.

 53. <u>ASME Class:</u> 2 <u>System:</u> RHR <u>GORR No.:</u> 31-053 <u>Component:</u> RHU-68 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, ASME III NF '74/'95/'96 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Replacement of Spring Can and Base Plate on Component Support RHU-68

<u>Work Description/Remarks</u>: A Replacement activity was initiated to install a new Spring Can and Base Plate on Component Support RHU-68 located on a 10" line. This activity was controlled by WO # 20400108, Action Report 2003-0662 and TE 2005-0018. Construction Code VT examination was performed and acceptable. See NDE Summary # R05035. ASME Section XI VT baseline examination was performed and acceptable. See ISI Summary # I137800.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) - ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant; R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: 1995 Edition with 1996 Addenda (ISI) or 1992 Edition with 1992 Addenda (IWE/IWL Containment)

ATTACHMENT II

- 54. ASME Class: 1 System: RCS GORR No.: 31-054 Line: 27.5" Category: Corrective Action Activity Construction Code: ASME III '95/'96 Work Performed By: 1 Name of Component: Repair - Reapplication of Seal Weld associated with TE-404B. Work Description/Remarks: A Section XI Code Repair activity was initiated to re-apply a Seal Weld associated with TE-404B replacement. This activity was controlled by WO # 20501528, TSR 2005-0032, 94-031 & 93-058. Upon completion of a code repair, construction code VT and PT examinations were performed and acceptable. See NDE Summary # R05030.
- 55. GORR No.: 31-055 Cancelled
- 56. ASME Class: 1 System: PZR Component: TRC01 Category: Code Rejectable Indication Construction Code: ASME III '95/'96 Work Performed By: 1

Name_of_Component: Grind Repair of Pressurizer Nozzle to Safe End Weld SLNSE. Work Description/Remarks: A Section XI Code activity was initiated to repair by metal removal original fabrication weld defects on the Pressurizer Nozzle to Safe End Weld SLNSE. This activity was controlled by WO # 20501863 & Action Report 2005-1405. Upon completion of a code repair, construction code PT examination and UT thickness readings were performed and acceptable. See NDE Summary # R05037. ASME Section XI baseline PT examination was performed and acceptable. See ISI Summary #'s 1004350.

GORR No.: 31-056

57. ASME Class: 1 System: RCS GORR No.: 31-057 Component: EMS01A Category: Corrective Action Activity Construction Code: ASME III '86 Work Performed By: 1 Name_of_Component: Steam Generator "A" Primary Manway Stud Replacement. Work Description/Remarks: A Like for Like mechanical replacement activity was initiated to install two (2) new studs on Steam Generator "A" (EMS01A) Primary Manway. This activity was controlled by WO # 20400869. ASME Section XI baseline VT examination was performed and acceptable. See Summary # M100080.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519

- 2. Plant: <u>R.E. Ginna Nuclear Power Plant 1503 Lake Rd.</u>, Ontario N.Y. 14519
- Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

58. <u>ASME Class:</u> 2

System: MS

<u>GORR No.:</u> 31-058 <u>Category:</u> Corrective Action Activity

Construction Code: ASME III '86 Work Performed By: 1

Component: EMS01A

<u>Name of Component:</u> Steam Generator "A" Secondary Handhole Stud Replacement. <u>Work Description/Remarks:</u> A Like for Like mechanical replacement activity was initiated to install one (1) new stud on Steam Generator "A" (EMS01A) Secondary Handhole. This activity was controlled by WO # 20400636. An Owner Elected ASME Section XI baseline VT examination was performed and acceptable. See Summary # M100011.

59.

ASME Class: 2 System: MS <u>Component:</u> EMS01A <u>Construction Code:</u> ASME III '86 <u>Work Performed By:</u> 1 <u>GORR No.:</u> 31-059 <u>Category:</u> Corrective Action Activity

<u>Name of Component:</u> Steam Generator "A" Secondary Manway Stud Replacement. <u>Work Description/Remarks:</u> A Like for Like mechanical replacement activity was initiated to install six (6) new studs on Steam Generator "A" (EMS01A) Secondary Manway. This activity was controlled by WO # 20400636. An Owner Elected ASME Section XI baseline VT examination was performed and acceptable. See Summary # M100009.

60.	ASME Class: 2	<u>System:</u> MS	<u>GORR No.:</u> 31-060
	Component: EMS01B		Category: Corrective Action Activity
	Construction Code: AS	ME III '86	
	Work Performed By: 1	• •	
	Name of Component: St	team Generator "B" Seco	ondary Handhole Stud Replacement.
	Work Description/Remain	rks: A Like for Like mec	hanical replacement activity was initiated
	to install four (1) nous stu	de an Steam Generator "	D" (EMSAID) Secondary Uandhale. This

<u>Work Description/Remarks</u>: A Like for Like mechanical replacement activity was initiated to install four (4) new studs on Steam Generator "B" (EMS01B) Secondary Handhole. This activity was controlled by WO # 20400637. An Owner Elected ASME Section XI baseline VT examination was performed and acceptable. See Summary # M100018.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

<u>ATTACHMENT II</u>

- 61. <u>ASME Class: 2</u> <u>System:</u> CVCS <u>GORR No.:</u> 31-061 <u>Component:</u> 300B <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, ASME III '92/'95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> Replace 2" x 1" Reducer by Valve 300B <u>Work Description/Remarks:</u> A Code Like for Like Replacement activity was initiated to install two (2) new 2" x 1" reducers by Valve 300B. This activity was controlled by WO # 20400163. Construction Code VT and PT examinations were performed and acceptable. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05025.
- 62. <u>ASME Class:</u> 2 <u>System:</u> SI <u>GORR No.:</u> 31-062 <u>Component:</u> TSI03B, V838A, V837A <u>Category:</u> Code Rejectable Indication <u>Construction Code:</u> ASME III '95/'96 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Grind Repair of Two (2) 2" Nozzle to Pipe Welds off Accumulator

"B" to Valves 838A and 837A.

Work Description/Remarks: A Section XI Code activity was initiated to repair by metal removal original fabrication weld defects on Two (2) 2" Nozzle to Pipe Welds off Accumulator "B" (TSI03B) going to Valves 838A and 837A. This activity was controlled by WO # 20501870 & Action Report 2005-1391. Upon completion of a code repair, PT examinations and UT thickness readings were performed and acceptable. See NDE Summary # R05038.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT_II

- 63. <u>ASME Class:</u> 1 <u>System:</u> RHR <u>GORR No.:</u> 31-063 <u>Line:</u> 10" <u>Category:</u> Code Rejectable Indication <u>Construction Code:</u> ASME III '95/'96 <u>Work Performed By:</u> 1 <u>Name of Component:</u> Grind Repair on 10" RHR Weld ASW-1. <u>Work Description/Remarks:</u> A Section XI Code activity was initiated to repair by metal removal original fabrication 5/16" & 3/16" pores on a 10" RHR line at Weld ASW-1. This activity was controlled by WO # 20501891 & Action Report 2005-1451. Upon completion of a code repair, Construction Code PT examination as well as UT thickness readings were performed and acceptable. See NDE Summary # R05040. ASME Section XI PT baseline
- 64. <u>ASME Class:</u> 2

Line: 6"

System: MS

examination was performed and acceptable. See ISI Summary # 1029100.

<u>GORR No.:</u> 31-064 <u>Category:</u> Code Rejectable Indication

Construction Code: ASME III '92/'95/'96

Work Performed By: 1

Code Case/Relief Request: Code Case N-416-2

Name of Component: Repair on 6" MS Weld L2BC1A by Valve 3504.

Work Description/Remarks: A Section XI Code Repair was initiated to removal original slag indications on 6" MS Weld L2BC1A by Valve 3504. This activity was controlled by WO # 20501912 & Action Report 2005-1430. Upon completion of a code weld repair, Construction Code MT examination of the cavity was performed and acceptable.

Construction Code VT, MT and RT examinations were performed to the finish weld and acceptable. ASME VT-2 Leakage Examination was performed and acceptable. See NDE Summary # R05042. ASME Section XI PT and RT baseline examinations were performed and acceptable. See ISI Summary # 1090300.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: <u>R.E. Ginna Nuclear Power Plant 1503 Lake Rd.</u>, Ontario N.Y. 14519
- Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT II

- 65. <u>ASME Class: 2</u> <u>System: MS</u> <u>GORR No.:</u> 31-065 <u>Component: MSU-7 (West)</u> <u>Category: Corrective Action Activity</u> <u>Construction Code:</u> EWR-2512, ASME III NF '74, MSS SP-58 <u>Work Performed By: 1</u> <u>Name of Component:</u> Snubber Replacement on Component Support MSU-7 (West) <u>Work Description/Remarks:</u> A Like for Like Replacement activity was initiated to install a new Snubber for Component Support MSU-7 (West) located on a 30" MS line. This activity was controlled by WO # 20401666 and Action Report 2005-1573. ASME Section XI VT baseline examination was performed and acceptable. See ISI Summary # I601369.
- 66. <u>ASME Class:</u> 2 <u>System:</u> CVCS <u>GORR No.:</u> 31-066 <u>Component:</u> V281L <u>Category:</u> Code Service Induced Rejectable Indication <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, ASME III '92/'95/'96, ME-318 <u>Work Performed By:</u> 1 <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> Replace 1 ½ " Adaptor by Valve 281L <u>Work Description/Remarks:</u> A Code Replacement (Modification) activity was initiated to install a 1 ½" adaptor on a ¾" line by Valve 281L. This activity was controlled by WO # 20502038, Action Report 2005-1770 and DA-ME-2005-031. Construction Code VT, PT and RT examinations were performed and acceptable. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05044.
- 67. <u>ASME Class:</u> 1 <u>System:</u> CVCS <u>GORR No.:</u> 31-067 <u>Component:</u> V427 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, B16.34, ASME III '92/'95/'96, ME-318 <u>Work Performed By:</u> 2 <u>Code Case/Relief Request:</u> Code Case N-416-2 <u>Name of Component:</u> Replace Bonnet on Valve 427 <u>Work Description/Remarks:</u> A Code Like for Like Replacement activity was initiated to install a new Bonnet by mechanical means on Valve 427 located on a 2" line. This activity was controlled by WO # 20400157 and Action Report 2005-2082. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05047.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

<u>ATTACHMENT_II</u>

- 68. <u>ASME Class: 3</u> System: CCW <u>GORR No.:</u> 31-067
 <u>Component: V740A</u> <u>Category:</u> Corrective Action Activity
 <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, B16.34, ASME III '92/'95/'96, ME-318
 <u>Work Performed By: 2</u>
 <u>Code Case/Relief Request:</u> Code Case N-416-2
 <u>Name of Component:</u> Replace Relief Valve 740A
 <u>Work Description/Remarks:</u> A Code Like for Like Replacement activity was initiated to install a new Relief Valve by mechanical means on a 2" line. This activity was controlled by WO # 20401307 and Action Report 2005-2082. ASME Section XI VT-2 Leakage examination was performed and acceptable. See NDE Summary # R05049.
- 69. <u>ASME Class:</u> 3 <u>System:</u> FW <u>GORR No.:</u> 31-069 <u>Component:</u> V4269 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, B16.34, ASME III '95/'96, ME-318 <u>Work Performed By:</u> 3 <u>Name of Component:</u> Replace Cage & Plug on Valve 4269 <u>Work Description/Remarks:</u> A Code Like for Like Replacement activity was initiated to install a new Cage and Plug by mechanical means on Valve 4260 located on a 14" line. This

install a new Cage and Plug by mechanical means on Valve 4269 located on a 14" line. This activity was controlled by WO # 20302807 and Action Report 2005-2082.

 70. <u>ASME Class: 3</u> <u>System:</u> AFW <u>GORR No.:</u> 31-070 <u>Component:</u> V4009 <u>Category:</u> Corrective Action Activity <u>Construction Code:</u> EWR-2512, B31.1 '67/'73, B16.34, ASME III '95/'96, ME-318 <u>Work Performed By:</u> 2 <u>Name of Component:</u> Replace Disc on Valve 4009 <u>Work Description/Remarks:</u> A Code Like for Like Replacement activity was initiated to install a new Disc by mechanical means on Valve 4009 located on a 3" line. This activity was controlled by WO # 20402002 and Action Report 2005-2082.

Inservice Inspection Report

Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
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ATTACHMENT II

- ASME Class: 3 System: MS GORR No.: 31-071 Component: V3410 Category: Corrective Action Activity Construction Code: EWR-2512, B31.1 '67/'73, B16.34, ASME III '95/'96, ME-318 Work Performed By: 2 Name of Component: Replace Plug on Valve 3410 Work Description/Remarks: A Code Like for Like Replacement activity was initiated to install a new Plug by mechanical means on Valve 3410 located on a 6" line. This activity was controlled by WO # 20404634 and Action Report 2005-2082.
- 72. GORR No.: 31-072 Cancelled
- 73. GORR No.: 31-073 Cancelled
- 74. GORR No.: 31-074 Cancelled

Inservice Inspection Report Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC, 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: <u>1995 Edition with 1996 Addenda (ISI)</u> or <u>1992 Edition with 1992 Addenda (IWE/IWL Containment)</u>

ATTACHMENT III

Steam Generator Eddy Current Program - Final Report

VENDOR I Approved - No Approved - Mo Not Approved Approved of this docume	DOCUMENT F o Memorandur ernorandum A - Vendor Noff nt does not noff	IEVIEW n Required Itached fied we supplier	from
Approved By		Date	6/1/-5
NS&L Review By	NA	Date	NA
(Hequired if impact on a	accident analy	sis assump	tions.)

EDDY CURENT EXAMINATION REPORT FOR STEAM GENERATOR TUBING

Constellation Energy Group R.E. Ginna **Nuclear Power Station**

March 2005 **Report No: MRS-FSR-1385-RGE**

NSBU STEAM GENERATOR SERVICES WESTINGHOUSE ELECTRIC COMPANY, LLC

Scott H. Taylor - ET Leve

iry Labieniec - Project Manager

Date:

1/2/ Date:

Prepared By;

Certificate of Conformance

Constellation Energy



Prepared By;

GINNA STATION WESTINGHOUSE NETWORK NO. 305498 STEAM GENERATOR EDY CURRENT EXAMINATION MARCH 2005 REFUELING OUTAGE

Reference: CEG Purchase Orders; 05-01081, Steam Generator Services 05-01418, Intial PO for Plugs and Stabilizers 05-01562, Additional for Plugs and Stabilizers Ginna S/G Technical Specification TPFI # 2001-00 Rev 0, as applicable.

Westinghouse Electric Company has completed the subject services. The on-site activities were performed in accordance with Constellation Quality Assurance Program using Constellation and Westinghouse procedures. Documentation attesting to this work is contained within the Final Report and in the Quality Records, data procedures, and personnel certifications.

Westinghouse Quality Systems hereby certifies that the services described herein that were provided in accordance with the Westinghouse Quality Management System, specifically, the supply of certified personnel and equipment, meet the quality requirements of the referenced Purchase Order and technical specifications. Any exceptions to said requirements have been documented and evaluated by properly executed deviation notices.

The ET level III signature certifies that the technical content of the services and in conformance with the supporting procedures including codes, specifications, and standards referenced client and has been independently verified to be accurate.

Westinghouse Lead Analyst / ET Level III

inghouse Project Manager

Westinghouse Field Service Quality

FOR BREact AUSEE



Westinghouse



Mr. Mike Shields Constellation Energy Group 89 East Avenue Rochester, NY 14649-0001

Subject: Constellation Steam generator Eddy Current Examination Transmittal of Preliminary Report, Optical Data Disks, Eddynet Data Management Reports.

Dear Mr. Shields,

This letter transmits the following items;

Video Tapes

I:	Preliminary Report of the March 2005 Steam generator Eddy Current Inspection.
	Included in this report from both Steam generators:
•	Final report listing of tubes tested
	Examination plan map of tubes tested
	Examination plan map for each dataset
	Separate listings and maps of the following
	+PT special interest program
	Possible loose parts (PLP) and loose part signals (PLS)
	Manufacturing murnish marks (MBM)
	Dings (DNG) and dents (DNT) with history
	Tube proximity locations with history
	Reported sludge (SLG) hotleg and coldleg.
	Data Management procedure and appendiecies
	Tube sheet maps of chronological tube report
	Tube plugging and installed stabilizers
	All March, 2005 eddy current results
II:	Two copies of the Eddynet optical disks containing raw data and results from both Steam Generator A and Steam Generator B.
III:	A single copy of the data as is was acquired, in ANSER format.
IV:	Items from the ST-MAX and Eddynet data management systems.
	Close-out report for S/G-A
	Close-out report for S/G-B
	ST-MAX Database loaded onto Constellation Data Management Computer
	Optical Disk containing the following Eddynet files and directories:
	Insp_DB, hist_DB, APTS, Closeout Checklist, landmarks, CDS sorts,
	auto_cal, Eresolution setups, RE_SETUPS, data segment recall (DSR).

V:

	Plug verification for both H/L and C/L. Initial and final bowl scans for H/L and C/L Nozzle dam installation Steam generator B Plug installation for both H/L and C/L Plug verification for both H/L and C/L Initial and final bowl scans for H/L and C/L Nozzle dam installation
V1:	Quality Control Surveillance Log
VII:	Eddy Current Examination Sheets
VIII:	Analysis Final Reports, Primary / Secondary Compare Reports
IX:	ST-MAX Database files on CD-rom.
X:	Tube plug qualification documentation and certification
XI:	Tube plugging and de-plugging procedures.
XII:	Installation and removal procedures for equipment to be used in the S/G.
XIII:	Steam generator independent verification system procedure
XIV:	Manipulator check-out, calibration, installation, and removal procedures
XV:	Personnel and equipment certification documents
XVI:	Certification program document

Steam Generator A

Referencing documentation:

.

Purchase Order; 05-01081, Steam Generator Services Purchase Order; 05-01418, Intial PO for Plugs and Stabilizers Purchase Order; 05-01562, Additional for Plugs and Stabilizers

Ginna S/G Technical Specification TPFI # 2001-00 Rev 0, as applicable Proposal; 01-OSW-045, Letter; LTR-NSFM-04-263 Note that some of the information cited above was transmitted prior to the outage. Please acknowledge receipt by signing the bottom of this page.

Respectfully Submitted,

Westinghouse Electric Company LLC

H. Tfm tin

Scott H. Taylor Westinghouse Level III Ginna Lead Data Analyst

Received by:

Mike Shields - Constellation Energy Group

CC: Henry Labieniec Bruce Allbee



INSERVICE INSPECTION

DATA ROOM SUMMARY REPORT

FOR STEAM GENERATOR TUBING

of the

R.E. GINNA ELECTRIC NUCLEAR POWER PLANT

> 1503 LAKE ROAD ONTARIO, NEW YORK. 14519

Report Submitted By;

Scott H. Taylor Westinghouse ET Level III R.E. Ginna, Lead Data Analyst

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STEAM GENERATOR TUBE EXAMINATIONS

1.0 Introduction

This Summary Report describes the Constellation Energy Group Inservice Inspection (ISI) of the steam generator (S/G) tubing at the R.E. Ginna Electric Generating Station. The ISI was performed during the March 2005 refueling outage.

The steam generator tube ISI inspection was performed in accordance with The American Society of Mechanical Engineers (ASME) Section XI Code "Inservice Inspection of Nuclear Power Plant Components" prescribed by Title 10 of the Code of Federal Regulations, Part 50, Section 50.55a(g). Therefore, the ISI is required to meet the 1995 Edition of the ASME Code Section XI with 1996 addenda.

The R.E Ginna plant design contains two (2) re-circulating design steam generators designed and fabricated by Babcock and Wilcox of Cambridge Ontario (Canada). The nomenclature used for fabrication and subsequent in-service inspections is BWI #34 (SG-A) and BWI #35 (SG-B). Each BWI steam generator was is designed to contain 4765 tubes per S/G. One tube in each steam generator was removed from service during fabrication by means of a shop welded I-690 plug. Each S/G therefore contains 4764 inspectable tubes. The tubing material is thermally treated Inconel Alloy 690 having a nominal outer diameter (OD) of 0.750 inch and nominal wall thickness of 0.043 inch. The nominal thickness of the tube sheet is 25.25 inches, with a full depth hydraulic expansion of all the tubes into the tube sheet material.

The examination agency for this S/G inspection was Westinghouse Electric Company, LLC.

2.0 Scope of Examinations

A Degradation Assessment (DA) was written prior to the outage by Westinghouse S/G Engineering and with input provided from the Constellation Energy Group. This document identified existing and potential damage mechanism and recommended locations for eddy current examinations. The necessary inspection techniques and areas of applicability were documented by the Constellation Energy Level III. All techniques were approved for use by the Constellation Energy Level III, and reviewed by the Westinghouse Level III / Qualified Data Analyst (QDA) and also the Independent Qualified Data Analyst (IQDA), contracted by Constellation Energy.

The agreed upon eddy current base scope tube examinations, and any additional inspections required, were approved by the appropriate Westinghouse and Constellation personnel prior to testing. The S/G inspection was performed to meet the intent of EPRI document #1003138 Rev. 6, entitled "Pressurized Water Reactor Steam Generator Examination Guidelines.

The eddy current examination base scope consisted of the following planned examinations in each steam generator.

Bobbin coil - full length from tube-end inlet thru to tube-end outlet.

- * All tubes not inspected in the 2002 examination. This was an approximate 50% sample.
- * All peripherial tubes(2 tubes deep) including tube lane locations (rows 1,2,3,4)
- * Previous signals of interest, MBM, DEP. DNT, DNG, PRS (previous s-codes identified)

Three coil straight body design rotating probe.

* An approximate 25% sample top of tubesheet hotleg at the expansion interface, (TSH +/-3"). All identified over-expansions from the PSI examination were included within this sample as well as one NCR in S/G-B from TSH-TEH.

Single coil ubend design rotating probe.

* 20% sample of row-1 and 2 ubend region. (top TSP to top TSP).

Scheduled supplemental testing and those as a result of inspection findings

- * Rotating coil of all I-codes identified by bobbin coil.
- * Bobbin coil and/or RPC testing of tubes surrounding an potential loose part signal.
- * 20% sample of reported dings/dents, >=2vpp digressing from largest voltage 8C-TEH set as priority.
- * 20% sample of reported MBM's, >=5vpp digressing from largest voltage, 8C-TEH set as priority area.

3.0 Personnel, Procedures, and Test Equipment

3.1 Personnel Qualifications

The personnel who performed the ET acquisition and ET data analysis functions were employed by Westinghouse, NDE Technology, Master-Lee, Anatec, Zetec, TheYoung Group, and INTECH. All were certified in accordance with the requirements of IWA-2300 of ASME Code Section XI and the certification practices of their respective employers. One hundred (100) percent of the ET data analysts were certified as Qualified Data Analysts (QDA's) for the steam generator work performed. A QDA is a Level IIA or III who has passed rigorous testing of his ability to analyze a random selection of expertlyjudged indications, from the Electric Power Research Institute's "PWR Steam Generator Examination Guidelines", Appendix G Performance Demonstration Database, for various steam generator designs and all types of known defects.

Before an ET data analyst could perform any functions they were required to successfully complete a Site Specific Performance Demonstration (SSPD). A site indoctrination discussed Ginna steam generator design, operating history, and previous ET results. Recent S/G operational experience and industry finding were also discussed. The site specific analysis guidelines, ACTS, ANTS, were reviewed by all. Damage mechanisms that have either been identified and/or have the potential to exist were identified during the training and examination process. Successful completion of the SSPD program required several items.

* A written examination consisting of 30 questions, selected randomly from a database. Each individual required a passing grade of >=80%.

* A practical bobbin coil examination, computer generated from a random database. Each individual required a passing grade where the POD was $\geq 80\%$ with a $\geq 90\%$ CL. Computer Data Screening (CDS) also successfully completed the SSPD per the 80/90 criteria above.

* A practical RPC examination, common to all analysts, of pre-determined data sets. Each individual required a passing grade of >=80%.

All incorrect answers on the written examination, as well as all missed signals on the bobbin and RPC practical examinations were provided to the data analyst for review. All re-testing was performed using the same grading and review scheme.

3.2 ET Examination, Data Analysis, and Data Quailty Procedures

ET data collection and data analysis were performed in accordance with the following procedures.

- * Constellation Energy Group acquisition procedure CEG-400-001, Revision 0. "Multi-frequency Eddy Current Examination of Non-ferromagnetic Steam generator Tubing".
- * WNSD procedure MRS-GEN-1127, Revision 3. "Guidelines for Steam Generator Eddy Current Data Quality Requirements".
- * Constellation Energy Group data analysis guidelines, Revision 0. "Data Analysis Guidelines Ginna 2005".

* Westinghouse QA Surveillance Procedure CEG-400-002, Revision 0.

3.3 Eddy Current Data Evaluation and Data Management

All eddy current data acquired was subjected to two (2) separate independent analyses. The primary, secondary, and resolution analysis functions were all performed at the Ginna Site. Westinghouse served as the primary analysis team and performed manual evaluation of all probe types. Zetec represented the secondary analysis team and utilized Computerized Data Screening (CDS) for bobbin coil data and provided manual data analysis for all rotating coil data. A primary / secondary compare and subsequent resolution of discrepancies was performed by personnel representing both Westinghouse and Zetec. An independent qualified data analyst (IQDA) reviewed all I-codes which were changed to a non-pluggable indication, or were dispositioned to an NDD code. In addition, the IQDA reviewed a sample of NDE tubes in each S/G. A common data analysis platform was utilized for all functions above. This consisted of HP workstations loaded with unix operating system Version 11i, Revision 1, Patch #14 of the Zetec Eddynet analysis software.

Primary data management was performed by Westinghouse per procedure SGMS 2.2.1 GEN-011 Revision 9. Utilizing the Westinghouse ST-MAX system, this PC based windows environment used software Version 1.15.00, appendix 12.3.1, 12.3.2 and 12.3.3. A Ginna specific checklist was used for database close-outs and verification of program completion. Zetec provided secondary data management using the Zetec EIMS system. The unix based operating software for this inspection was Version 11i, Revision 01, Patch #14. The EIMS database also had a standardized checklist used for database close-out and verification of program completion.

Per the request of the Constellation Level III, an automated sludge "SLG" evaluation was performed on both tubesheets from the bobbin coil examination. All measurable accumulation at top of tubesheet >=0.50" was recorded respectively as either TSH + and TSC +.

3.4 Data Quality Requirements

All data quality programs (DQM) were initially implemented on the acquisition level per MRS-GEN-1127 Revision 3. The DQV program addressed the requirements outlines in the EPRI document #1003138 Rev. 6, entitled "Pressurized Water Reactor Steam Generator Examination Guidelines. The SGMP Interem Guidance Letter stating exemption from progressive noise measurements was also used. For those instances where a "false failure" identified by the acquisition program, the station operator had the opportunity to rectify the situation or re-test that particular tube again. If the DQV failure appeared to be a result of program and/or software limitation, the primary and secondary analyst would evaluate the tube as normal. The resolution data analysts could then over-ride the data quality failure provided they also agreed the data was acceptable. Each tube collected was subject to various DOV checks. Results of all eddy current examinations were recorded on a digital rewritable optical disk and the final resolution data sheets, which are both stored as records. The ET data disks contain the raw ET-data, primary, secondary, and resolution results for each calibration group. Within each calibration group, system calibration (standard runs) as well as each tube collected have the actual time and date verification recorded at the time of collection. All optical disk are numbered such that each steam generator and each calibration group are indicated on the optical disk label. Therefore, all system calibrations, calibration verifications, and raw data for each tube examined can be easily recalled.

3.5 Equipment and Test Probes

All examinations were performed using ANSER acquisition software, Version 8.4.1 Revision 232 along with a Zetec MIZ-70 digital multi-frequency tester. The acquisition test instrument and software store and process the ET data in a digital format and have a significantly improved dynamic range and signal-to-noise ratio as compared to analog systems. The test system is capable of being operated at locations remote from the steam generators (e.g., in low radiation areas).

All <u>bobbin coil</u> examinations were performed using inspection frequencies of 550, 280, 140 and 35 kHz in both the differential and absolute modes for each tube. A nominal pull speed of 40 inches per second with a digital sampling rate of 1600 samples per second was used for the majority of all tubes examined. Acquisition Technique Sheet (ACTS) number RGE-01-105 was the applicable inspection technique. Additionally, a slower test speed was used to reduce probe snap in tight radius ubends of rows 1 - 4. This slower pull speed of 24 inches per second used a digital sample rate of 1000 samples per second, as listed on ACTS numbers RGE-02-105, RGE-03-105. Specific information relative to probes, extensions, manufacturers, etc. is contained within each of these ACTS sheets mentioned.

<u>A 3-coil probe</u> (straight body design) was used for all base scope and supplemental RPC examinations within the straight section of the S/G tubing. The 3-coil RPC examination technique was performed using the examination frequencies of 400, 300, 100, and 35kHz for both the + Point coil and also the 0.115" mid-range pancake coil. The third coil, a 0.080" shielded high frequency pancake was not

activated for these examinations. A digital sample rate of 1600 samples per second was specified for RGE-04-105. Specific information relative to probes, extensions, manufacturers, etc. is contained within each of these ACTS sheets mentioned.

A <u>single coil Plus Point</u> (u-bend design) probe was utilized for all base scope and supplemental examinations within the u-bend region of the S/G tubing. Various probe extensions were connected to the actual EC probe to inspect higher row (increased radius) u-bend regions of interest. Previously identified tube to tube proximity locations were also part of this inspection scope. The examination frequencies of 400, 300, 100 and 35kHz were used for this application. A digital sample rate of 1600 samples per second was specified for RGE-05-105 and RGE-06-105. Specific information relative to probes, extensions, manufacturers, etc. is contained within each of these ACTS sheets mentioned.

3.6 Calibration Standards

Bobbin coil calibration standards contained ASME Code Section XI flaws, and both a stainless and carbon steel support ring. The calibration standard utilized for all rotating coil examinations was an EP5 design guide tube standard containing several ID and OD, notches axially and circumferentially oriented, electro-discharge machined (EDM) notches. Additional calibration standards containing various support structures (simulating S/G support structures) were also utilized. These standards are intended for use with a bobbin coil or a rotating coil probe. In each case, simulated defects relive to depth and orientation were present to permit the sizing of indications, if necessary.

4.0 Summary of Base Scope and Special Interest Examinations

4.1 Bobbin Coil - Base Scope

All tubes were examined full length from tube end to tube end. The nominal probe diameter attempted for all bobbin examinations was 0.620"beaded probe design. A 0.610" beaded probe design was used on an as-needed basis for restrictions or retests approved for this probe diameter. Both were manufactured by Zetec.

Eddynet EIMS probe code designator is A620MULC/C and A610MULC/C. ST MAX probe code designator is M/A620-ULC/CS/MR and M/A610-ULC/CS/MR.

S/G	Scheduled Exams	Completed Exams	Obstructed Tubes	Existing Plugs
A ·	2713	2713	0	1 (pre-operational)
В	2686 ·	2686	• 0	1 (pre-operational)

4.2 Rotating Coil, Inlet Tubesheet Region, - Base Scope

A 25% sample hotleg top of tubesheet program was scheduled in each steam generator. The minimum test extent identified was continuous data collection from 3" below the top of tubesheet, through the expansion, ending at 3"above the transition. The nominal probe diameter utilized for all straight section examinations was a 0.610", manufactured by Zetec.

Eddynet EIMS probe code designator is B61011536S80 ST MAX probe code designator is +PT610-MRPC/3C/P114A-PP11A=SP080B/52PH-664-ZM001

S/G	Scheduled Exams	Completed exams	Obstructed Tubes	Pluggable Indications
A	1220	1220	0	0
В	1204	1204	0	0

4.3 Rotating Coil, Low Row Ubend Region - Base Scope

A 20% sample program of low ubends was scheduled in each steam generator. At 120 columns, this percentage produced a 12 tube sample in row 1 and a 12 tube sample in row 2. This percentage was applicable to each S/G. The test extent identified was from the upper tube support hot leg to the upper tube support cold leg. The nominal probe diameter utilized for all low row ubend examinations was a 0.580", manufactured by Zetec.

S/G	Scheduled Exams	Completed Exams	- Obstructed	Pluggable Indications
Α	24	24	0	0
В	24	24	0	0

Eddynet EIMS probe code designator is B58036

ST-MAX probe code designator is +PT-580-MRPC/FH/PP11A/18IN/52PH-664-ZM001

4.4 Rotating Coil, Proximity Tubes in the Ubend Region - Base Scope

Previously identified ubend areas, having tube to tube proximity signals, were again scheduled for examination. This test was to verify the proximity values had not changed, as well as screen for any tube to tube wear in this region. The test extent identified was from the upper tube support of either the hotleg or the coldleg to a specified fan bar location in the ubend area. The nominal probe diameter utilized for all proximity examinations was a 0.580".

S/G	Scheduled Exams	Completed Exams	Obstructed Tubes	Pluggable Indications
A	13	13	0	0
В	12	12	0	0

Eddynet EIMS probe code designator is B58036

ST-MAX probe code designator is +PT-580-MRPC/FH/PP11A/18IN/52PH-664-ZM001

4.5 Rotating Coil, "box-in" of PLP locations - Special interest

Low frequency responses, which could possibly represent be the presence of foreign object, were identified during the base scope bobbin and/or tube sheet examination. Previous results and data evaluations have tracked these signals for multiple inspections with no tube wear detectable. In each case, the surrounding tubes were examined to determine if in fact multiple tube contact was present. The standard 3-coil probe, mentioned above was used for this supplemental testing.

S/G	Additional Exams	Completed Exams	Obstructed -	Pluggable
	TSH-1H	TSH-1H	Damaged Tubes	Indications
Α	22	22		0

Special interest location was due to loose part successfully retrieved from the S/G secondary side.

S/G	Additional Exams	Completed Exams	Obstructed -	Pluggable
	TSH-1H	TSH-1H	Damaged Tubes	Indications
Α	7	7	0	0

Special interest location was due to loose part signal reported by bobbin coil in R94 C54.

S/G	Additional Exams	Completed Exams	Obstructed -	Pluggable
	TSH-1H	TSH-1H	Damaged Tubes	Indications
Α	3	· 3	0	0

Special interest location was due to loose part signal reported by rotating coil in R93 C55.

S/G	Additional Exams	Completed Exams	Obstructed -	Pluggable
	TSC-1C	TSC-1C	Damaged Tubes	Indications
В	15	15	0	0

Special interest location was due to loose part signal reported by bobbin coil at R48 C114 and R50 C114.

5.0 Eddy Current Examination Results

The axial location of all signals were recorded in a positive offset relative to the adjacent tube support, baffle plate and/or fan bar. This convention was used throughout the tube bundle, except at support structures, where a plus/minus 2-inch window was used when reporting indications that were at or near the support structure. The tube support plates and baffle plates are numbered consecutively on both the inlet and outlet side of the steam generator starting at the lowest elevation. The fan-bars are numbered F01 through F10 from the hot leg to the cold leg side, respectively.

The bobbin coil three letter codes found in the data analysis guidelines and also published in the ANTS sheets, were used reflect the suspected nature of the discontinuity. Signal attributes and previous history were considered when identifying such signals.

All bobbin signals meeting the current reporting criteria were compared to the 1997 inspection results to determine if the signal was in fact present and if so, had it changed in characteristics. This process ensured that defects induced during S/G operation could be identified as such. Previously identified signals, which did not meet the current reporting criteria, were again re-identified with the proper reporting code(s). This was done to maintain database consistency and assist with tube identification. A historical signal comparison was also performed at these tube locations.

5.1 Loose Part Examination and Classification

Steam generator - A:

Bobbin coil examination of Row-94 Column-54 identified a low frequency response between the top of tube sheet hot leg and the first support structure (TSH +9.8"). Since the signal characteristics closely resembled the confirmed object in S/G-B, it was classified as a bobbin possible loose part "PLP". Rotating coil also confirmed a loose part signal which was classified as "PLS". The adjacent tube, Row-93 Column-55 was not inspected with bobbin coil but was classified as a possible loose part signal "PLS" during the supplemental RPC bounding of these 2 tubes. No tube wear or vibrational type damage was detectable from either probe type. No additional action was taken at either of these tube locations, these tubes will be examined during future inspections. Historical database for these locations is as follows;

TUBE	2005	2002	1999	1997
94 - 54	RPC - PLS	Not Inspected	Bobbin - DEP	NDD
			· · · ·	

TUBE	2005	2002	1999	1997
93 - 55	RPC - PLS	Bobbin - DEP	NDD	Not Inspected

These signals were previously classified as a deposit signal (DEP) during pervious inspections and conservatively reported as a loose part signal (Rotating Coil PLS) and/or a possible loose part signal (bobbin PLP) during the 2005 inspection. The signals have not changed only the reporting acronyms. We will track these in future inspections, most notably for degradation type signals.

Steam generator - B:

Bobbin coil examination identified a low frequency response between the top of tube sheet cold leg and the first support structure (TSC +20"). A secondary side visual inspection confirmed the presence of a foreign object at this location. An unsuccessful attempt was made to retrieve the object which appears to

be 'wedged' between two tubes. No tube wear or vibrational type damage was detectable from the bobbin coil and/or the supplemental rotating coil data. Four (4) tubes have being stabilized on the cold leg side, and subsequently removed from service (plugged) as a result of this finding; * Two (2) loose part contact locations: Row-48 Column-114 and Row-50 Column-114.

* Two (2) adjacent tube locations to those above: Row-47 Column-115 and Row-49 Column-113.

	Steam Generator A				
	Bobbin	TSH +Point	Tube Proximity +Point	U-Bend Special Interest	Straight Section Special Interest
DEP	4	2	N/A	0	0
DNG	38	N/A	N/A	N/A	N/A
DNT	18	N/A	N/A	NA	N/A
INF	3	0	N/A	0	0
INR	7	2	N/A	0	4
MBC	N/A	0	N/A	2	8
MBM	254	N/A	N/A	N/A	N/A
NDF	N/A	N/A	N/A	13	2
PLP	1	N/A	N/A	N/A	N/A
PLS	N/A	0	N/A	0	2 · ·
RES	1	0	0	0 .	0
PRS	N/A	N/A	· · 31	N/A-	N/A

5.2 Bobbin and Rotating Coil Summary

	Steam Generator B				
	Bobbin	TSH +Point	Tube Proximity +Point	U-Bend Special Interest	Straight Section Special Interest
BLG	6	N/A	N/A	N/A	NA
DEP	5	5	N/A	0	0
DNG	53	N/A	N/A	N/A	N/A
DNT	20	N/A	N/A	N/A	N/A
DSS	1	N/A	N/A	N/A	N/A
INF	10	0	N/A	0	.0
INR	7	4.	N/A	0	· 0
MBC	N/A	0	N/A	1	7
MBM	260	N/A	N/A	N/A	N/A
NDF	N/A	N/A	N/A	. 16	2.
NQS	1	N/A	N/A	NA	N/A
PLP	4	N/A	N/A	N/A	NA
PLS	N/A	0	N/A	. 0	2
PRS	N/A	N/A	22	NA	N/A



5.2.1 Bobbin Coil Specifics

BLG - Bulges identified within the tube sheet expansion meeting the reporting criteria of 22vpp on the 550kHz absolute channel were identified.

DEP - Low frequency responses indicative of metallic deposits were identified as such. The intent is to track these during future inspections. In the event a previously identified DEP signal was not present in the current inspection, INF was used to address these locations.

DNG, DNT - Tubing deformations were identified as ding in the freespan, and as dent at support structures. The reporting criteria was >=2.5vpp in the freespan area and >=5vpp in the ubend area. Previous signals identified as a ding or dent, were again identified as such to maintain database consistency. All signals not reported in past inspections, were verified as present in historical data. No active denting was observed. In the event these were misclassified (tangent point or probe snap) or reported at the wrong elevation during a previous outage, INR may have been used to re-address these locations.

DSS - Previous signal identified as a "distorted support plate signal". Historical data comparison was performed and the signal was re-identified as a DSS in 2005 upon finding no change.

INF - Signals identified in previous inspections, not present in 2005 were classified as 'indication not found". A historical tube comparison was performed to ensure the correct location was tested. INR - In the event a signal was misclassified (tangent point, probe snap, etc) or was reported at the wrong elevation during a previous outage, INR may have been used to re-address these locations. INF / INR - SPECIFICS:

In SG-A, 2 bobbin deposits reported in previous outages were reported as indication not reportable because the signal was not present during the 2005 inspection or was insignificant. Three bobbin deposits reported during previous outages were reported as indication not found because the deposit signal was no longer present. Two dings reported in previous outages were mislocated during those outages, and were reported as indication not reportable and the actual ding reported at the correct location. One ding was reported from 08H - 2.19" and was reported as indication not reportable and the ding reported this outage at 07C + 36.65". One dent reported in previous outages was probe motion or other parasitic non-anomalous condition and was reported as indication not reportable. Finally, a manufacturing buff mark reported in previous outages was mislocated during those outages and was reported as INR this inspection and the MBM reported at the correct location.

In SG-B, one bobbin deposits reported in previous outages were reported as indication not reportable because the signal was not present during the 2005 inspection or was insignificant. Nine bobbin deposits reported during previous outages were reported as indication not found because the deposit signal was no longer present. A distorted support signal reported in the 2002 inspection was reported this outage as an indication not reportable because it did not meet the current reporting criteria. Two manufacturing buff marks reported in previous outages were mislocated during those outages and were reported as INR this inspection and the buff marks reported at their correct location. Finally, a ding reported during the 2002 inspection, and the ding reported at the correct location.

MBM - Manufacturing Burnish Mark type signals represented the majority of all signals reported in both steam generators. The reporting criteria used was >=2.5vpp on channel 6 with consideration given to a response on the P1 mix channel. S/G-A had 254 reported, of these 23 had a response on Ch. P1. S/G-B had 260 reported, of these 25 had a response on Ch. P1. All signals observed were compared to historical data to look for signal 'change' for possible degradation at these locations. No changes have been noted at these manufacturing anomalies to date.

NQS - A differential bobbin coil response, having been RPC tested in a previous inspection, showing no changes in signal characteristics during this inspection was again classified as NQS. No flaw-like signals were reported at any structure or any freespan location in any steam generator.

RES - Restricted tube was noted with a 0.620" probe diameter. This is consistent with previous outages where it was also restricted and tested with a 0.610" probe.

PLP - Possible loose part signal as discussed previously in sections 4 and 5.

5.2.2 Rotating Coil Specifics

There were no axial or circumferential (crack-like) indications reported in any steam generator. Likewise no volumetric or wear type signals reported at the locations tested.

DEP - Low frequency responses indicative of metallic deposits were identified as such. The intent is to track these during future inspections. In the event a previously identified DEP signal was not present in the current inspection, INR was used to address these locations.

INR - Previous deposit signals which were indicative of sludge accumulation .

MBC - Manufacturing Burnish Mark, confirmed by RPC testing. Of the 22 total examined, 18 were classified as MBC tested 4 were classified as NDF.

NDF - 31 total locations were tested for dents and dings, all 31 were classified as NDF. As mentioned above 4 MBM locations were classified as NDF as well.

PLS - Possible loose part signals were observed and summarized within sections 4 and 5.

PRS - Tube to tube proximity has been tracked for subsequent inspections after a manufactures notice was issues. The ubend area of 13 tubes in S/G-A, and 12 tubes in S/G-B were inspected to ensure no changes in proximity and/or tube to tube wear was occurring. There were no changes with respect to proximity regions and no wear indications were detected in this area.

Additional information relative to tube examinations and final results are published in the Westinghouse Data Management Report. This is a standard turn over package provided to the utility at the conclusion of the EC inspection.

6.0 Tube Plugging Summary

6.1 Steam Generator A

There were no tubes considered degraded or defective through the ET examinations performed. There were no tubes removed from service.

6.2 Steam Generator B

There were four (4) tube locations removed from service as specified in section 5.1. No tubes were considered degraded or defective through the ET examinations performed.

7.0 Eddy Current Examination, Listing of Personnel

7.1 Certified Data Analysis Personnel and Data Managent Crew

NAME and LOCATION	EC LEVEL	COMPANY	FUNCTION
Taylor, Scott		WEST	WEST - Lead / Res.
Tobin, Robert	111	WEST	WEST - Resolutions
Nissley, Raymond	111	ZETEC	ZETEC - Resolutions
Manley, Michael	111	ZETEC	ZETEC - Resolutions
Thompson, Kurt	IIA	NDE	WEST - Primary
Padgett, Lawrence	111	Master-Lee	WEST - Primary
Calendar, Dominic	IIA	Young Group	WEST - Primary
Hover, Lynn	111	Young Group	. WEST - Primary
Gomez, Andrew	IIA	Young Group	WEST - Primary
Palmer, Richard	111	Young Group	WEST - Primary
Webb, Joel	IIA .	Young Group	WEST - Primary
Stocklin, Paul	IIA	Young Group	WEST - Primary
Lamb, Justin	IIA	ZETEC	ZETEC - Secondary
Black, Carson	111	ZETEC	ZETEC - Secondary
Akre, Michael	III	ZETEC	ZETEC - Secondary
Mau, Ty	[†] III	ZETEC	ZETEC - Secondary
Dahnke, Donald	111	Anatec	INDEPENDENT QDA
Case, John	111	NDE	DATA QUALITY
Young, John	IIA	NDE	DATA QUALITY
Marlis, Chris	'N/A	WEST	WEST - Data Management
Young, John	N/A	WEST	WEST - Data Management
Moslener, Melvin	N/A	NDE	WEST - Data Management
Christopher, Phil	N/A	Anatec	WEST - Data Management
Driessen, Nathan	N/A	ZETEC	ZETEC - Data Management
Lape, Gary	N/A	ZETEC	ZETEC - Data Management
Butcher, Travis	N/A	Young Group	System Administration
Ewald, Michael	N/A	Young Group	System Administration

7.1 Certified Data Acquisition Personnel

NAME and LOCATION	<u>EC LEVEL</u>	COMPANY	FUNCTION
Schachte, Donald	11	WEST	WEST - Acq.
Smith, Donald	11	WEST	WEST - Acq.
Provencher, Colin	11	WEST	WEST - Acq.
Douglas, Barry	II [–]	WEST	WEST - Acq.
Gallant, Greg	11	WEST	WEST - Acq.
Kindt, Kurt	1	WEST	WEST - Acq.
Lentz, Paul	11	WEST	WEST - Acq.
Ericson, Edward	11	HUDSON	WEST - Acq.
Pessak, Steven	11	Young Group	WEST - Acq.

Respectfully Submitted,

1 utt F.

Scott H. Taylor March 30, 2005

Inservice Inspection Report Fourth Interval (2000-2009), Second Period, Second Outage (2005) – ISI First Interval (1997-2008), Second Period, Third Outage (2005) - IWE/IWL

- 1. Owner: R. E. Ginna Nuclear Power Plant, LLC. 1503 Lake Rd., Ontario, N.Y. 14519
- 2. Plant: R.E. Ginna Nuclear Power Plant 1503 Lake Rd., Ontario N.Y. 14519
- 3. Applicable Edition of Section XI Utilized for Repair or Replacement Activities: 1995 Edition with 1996 Addenda (ISI) or 1992 Edition with 1992 Addenda (IWE/IWL Containment)

ATTACHMENT_IV

Erosion/Corrosion (Minwall) Program Examination Results

R. E. Ginna Nuclear Power Plant In-Service Inspection (ISI) Report Fourth Interval (2000-2009), Second Period, Second Outage (2005)

Attachment IV

Erosion/Corrosion Program Summary

This section provides Erosion/Corrosion examination details and information corresponding to the items inspected prior to & during the 2005 RFO.

A total of 390 components were examined, the breakdown of this total, by Program type is as follows:

FAC "M-Figures" Large Bore	FAC "S-Figures" <u>Small Bore</u>	<u>Misc.</u>	Service Water	Total
162	139	31	58	390

M-Figures: Erosion Corrosion FAC Program Isometric for Large-Bore Line Components

Systems of Examined Components

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Component thickness measurements were performed on the following systems:

FIGURE Number	SYSTEMS
M1	A/R FW/ PLIMP DISCHARGE TO 54/58 HEATERS
M2	5 A/B EW HEATERS TO EN HEADER
M2 M3	HEATER 44/48 DRAIN TO HTR DRAIN TANK
MAA	EW CLEANUP TO CONDENSER FROM 54 & 58 EW HTRS
M5	HEATERS 44/48 TO FEED WATER SUCTION
M6	FEEDWATER SUCTION TO PLIMPS A/B
M11A	MSR 1A & 1B 2 ND PASS DRAIN
M12A	MSR 1A & 1B 2 ND PASS TO HEATER & CONDENSER
M12B	MSR 2A & 2B 2 ND PASS TO 5B HEATER & CONDENSER
M15A	MSR 1A 4 TH PASS TO 5A HEATER
M15B	MSR 1B TO HTR 5A TO CV
M16	MSR 1A & 1B 4 TH PASS TO CONDENSER
M17A	MSR 2A TO HTR 5B. TO CV
M17B	MSR 2B 4 TH PASS TO 5B HEATER
M18	MSR 2A & 2B 4 TH PASS TO CONDENSERS
M20	1B, 2B, 3B LP HEATER DRAINS TO CONDENSER
M21	STEAM EXTRACTION TO PRESEP TANK "B" & 4B LP HTR
M22	STEAM EXTRACTION TO PRESEP TANK "A" & 4A LP HTR
M31	MSR 1A & 1B TO HEATER DRAIN TANK & CONDENSER
M32	MSR 2A & 2B TO HEATER DRAIN TANK
M33	MSR 1A, 1B, 2A, 2B TO HTR DRAIN TANK
M41B	5B HP HEATER DRAIN TO 4B LP HEATER
M45	PRESEPARATOR A/B TO HTR DRAIN TK & CONDENSER
M46B	PRESEPARATOR A/B TO HEATER DRAIN TANK
M75	STEAM EXTRACTION TO 5A & 5B HEATERS
M81	FEEDWATER DISCHARGE (TURBINE BLDG)
M82	FEEDWATER DISCHARGE (INTERMEDIATE BLDG)
M83	FW DISCHARGE (INTERMEDIATE & FACADE)
M84	FEEDWATER TO S/G 1A
M88A	S/G BLOWDOWN LINES (INTERMEDIATE BLDG)
M88D	S/G BLOWDOWN TO FLASH TANK (TURBINE BLDG)
M90	FEEDWATER CLEANUP (CV-18)
M91	FEEDWATER CLEANUP (CV-19)
M92	MAIN FEEDWATER PUMP RECIRCULATION
M93	FEEDWATER BY-PASS LINE
M110	HEATER DRAIN TANK TO CONDENSER
Components:

The following list identifies system(s) of examined components, system component summaries, and component examination result in details.

Component Examination Result in Details

The following list provides results in detail on components by drawing number and system description.

The "Component Type" classification, specified in the list below, corresponds to the following:

D- Dine	En Elhow	T- Too	P- Poducor	P- Rond	C- Can	Nellozzio	V= Valva
r-ripe	E= EIDOM	i – iee	K- Reducer	D- Della	C-Cap	N-NOZZIE	v- valve

M1			FEEDW	ATER SUCTIO	N TO PUMPS A	VB		
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOE
BOP-UT-05-181	03	Ρ		0.938"	0.603"	0.844"	> 88%	UT
BOP-UT-05-216	04	E		0.938"	0.607"	0.885"	> 88%	UT
BOP-UT-05-178	05	P		0.938"	0.607"	0.896"	> 88%	UT
BOP-UT-05-113	18	E		0.938"	0.607"	0.866"	> 88%	UT
BOP-UT-05-114	19	P		0.938"	0.604"	0.897"	> 88%	UT
BOP-UT-05-230	26	E		0.938"	0.607"	0.881"	> 88%	UT
BOP-UT-05-229	27	Р		0.938"	0.604"	0.875"	> 88%	UI
M2			5 A/B F	W HEATERS T	O FW HEADER			
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHOD
BOP-UT-05-141	13	Е		0.938""	0.602"	0.858""	> 88%	UT
BOP-UT-05-142	13A	N		0.938"	0.602"	0.844"	> 88%	UT
BOP-UT-05-111	22	E		0.938"	0.602"	0.893"	> 88%	UT
BOP-UT-05-112	26	P		1.281"	0.858"	1.246"	> 88%	UT
BOP-UT-05-185	37	E		1.281"	0.859"	1.284"	> 88%	UT
M3			HEATE	R 4A/4B DRAII	N TO HEATER I			
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHO
BOP-UT-05-149	01	Ρ		0.688"	0.346"	0.552"	80%	UT
BOP-UT-05-150	01A	N		0.688"	0.346"	0.608"	> 88%	UT
BOP-UT-05-143	14A	P		0.688"	0.346"	0.672"	> 88%	UT
M5			HEATE	RS 4A/4B TO F	EEDWATER SI	UCTION		
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	1D			WALL 1		READING	NOMINAL	METHOD
BOP-UT-05-125	01	Е		0.375"	0.210"	0.327"	87%	UT
BOP-UT-05-118	01A	Ň		0.375"	0,210"	0.325"	87%	UT
BOP-UT-05-131	13	Ε		0.375"	0.210"	0.341"	> 88%	UT
BOP-UT-05-124	13A	N		0.375"	0.210"	0.314"	83%	UT
BOP-UT-05-103	28	Ρ		0.375"	0.251"	0.333"	> 88%	UT
BOP-UT-05-214	36	Р		0.375"	0.250"	0.352"	> 88%	UT

M6			FEEDV	VATER SUCTION	I TO PUMPS A/B			
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOE
BOP-UT-05-102	27B	P		0.375"	0.247"	0.309"	83%	UT
BOP-UT-05-101	28	E		0.375"	0.250"	0.379"	> 88%	UT
BOP-UT-05-104	29	Ρ		0.375"	0.245"	0.341"	> 88%	UT
M11A			MSR 1	A & 1B 2 ND PASS	S DRAIN			
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHO
BOP-UT-05-078	41	N		1.500"/ 0.500"	0.303"	0.478"	> 88%	UT
BOP-UT-05-077	41A	E		0.432"	0.265"	0.345"	79 %	UT
BOP-UT-05-086	41B	Р		0.432"	0.264"	0.424"	> 88%	UT
BOP-UT-05-080	41C	R		0.500"/ 0.432"	0.323"	0.453"	> 88%	UT
BOP-UT-05-085	42	Ε		0.432"	0.265"	0.372"	86 %	UT
BOP-UT-05-079	43	Р		0.432"	0.264"	0.415"	> 88%	UT
BOP-UT-05-084	73B	Р		0.432"	0.264"	0.401"	> 88%	UT
M12A			MSR 1	A & 1B 2nd PAS	S TO HEATER &	CONDENSER		
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHO
BOP-UT-05-115	40A	N		0.594"	0.216"	0.537"	> 88%	UT
BOP-UT-05-096	90	Р		0.594"	0.297"	0.608"	> 88%	UT
BOP-UT-05-156	91	Р		1.031"	0.516"	0.995"	> 88%	UT
BOP-UT-05-094	104C	Р		0.432"	0.216"	0.418"	> 88%	UT
BOP-UT-05-095	105	E		0.432"	0.226"	0.321"	74%	UT
BOP-UT-05-100	106	Ρ		0.432"	0.223"	0.271"	62%	UT
BOP-UT-05-098	106A	R		0.432"/ 0.594"	0.221"/0.302"	0.411"	> 88%	UT
M12B			MSR 2	A & 2B 2nd PAS	S TO 5B HEATER	R & CONDENSE	R	
REPORT # NUMBER	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOI
BOP-UT-05-180 BOP-UT-05-119	63 72	R N		0.432" 0.594"	0.266" 0.216"	0.460" 0.550"	> 88% > 88%	UT UT
M15A			MSR 1	A, 4TH PASS TO	5A HEATER			
REPORT #	COMP. ID	TYPE	********	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOI
BOP-RT-05-342	35	Р		0.300"	0.177"	0.302"	> 88%	RT
BOP-RT-05-343	35A	R		0.300" / 0.179"	0.136"/0.090"	0.324"	> 88%	RT
BOP-RT-05-344	35B	Р		0.179"	0.090"	0.184"	> 88%	RT
BOP-RT-05-352	36A	R		0.300" / 0.179"	0.136"/0.090"	0.210"	70%	RT
BOP-RT-05-353	36B	R		0.337" / 0.218"	0.169"/0.109"	0.210"	> 88%	RT
BOP-RT-05-354	37	P		0.337"	0.169"	0.345"	> 88%	RT
BOP-RT-05-349	39	P		0.337"	0.169"	0.335"	> 88%	RT
BOP-RT-05-350	40	E		0.337"	0.169"	0.302"	> 88%	RT
BOR-RT-05-351	41	Ч		0.337"	0.169"	0.328"	> 88%	RI

M15B			MSR 1A 4 TH PASS TO	5A HEATER			
REPORT #	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOE
BOP-RT-05-345	87	P	0.300"	0.177"	0.303"	> 88%	RT
BOP-RT-05-346	87A	R	0.300" / 0.179"	0.136"/0.090"	0.291"	> 88%	RT
BOP-RT-05-347	87B	Р	0.179"	0.090"	0.184"	> 88%	RT
M16			MSR 1A & 1B, 4TH PA	SS TO CONDENS	ER		
REPORT #	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOI
BOP-RT-05-340	12	V-2405	VALVE APPEA	RS TO BE NOT CLO	SED COMPLETEL	Y, WARM TO TOU	H. RT
BOP-RT-05-348	17	E	0.300"	0.164"	0.290"	> 88%	RT
BOP-RT-05-358	17A	Р	0.300"	0.164"	0.311"	> 88%	RT
M17A			MSR 2A TO HTR 5B, 1	rocv			
REPORT #	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-355	36	Р	0.337"	0.176"	0.290"	86%	RT
BOP-RT-05-356	36A	R	0.300" / 0.179"	0.136" / 0.090"	0.303"	> 88%	RT
BOP-RT-05-357	36B	Р	0.179"	0.090"	0.168"	> 88%	RT
M17B			MSR 2B, 4TH PASS T	O 5B HEATER			
REPORT #	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID		WALL 1		READING	NOMINAL	METHOD
BOP-UT-05-220	51	Ρ	0.432"	0.264"	0.413"	> 88%	UT
BOP-UT-05-222	52	Ε	0.432"	0.264"	0.389"	> 88%	UT
BOP-UT-05-221	52A	P	0.432"	0.264"	0.841"	> 88%	UT
BOP-UT-05-242	53	TANK	1.000"	. 0.755"	0.941"	> 88%	UT
BOP-UT-05-243	54	P	0.300"	0.164"	0.283"	> 88%	
BOP-01-05-244	00 67	E E	0.300*	0.105"	0.202	01% > 99%	11
BOP-01-03-243	ର/ ୭7	E D	0.300	0.100	0.234	> 00% 96%	PT
BOP-RT-05-359	87A	r p	0.300" / 0.179"	0.170	0.281"	> 88%	RT
BOP-RT-05-361	87B	P	0.179"	0.090"	0.178"	> 88%	RT
M18			MSR 2A & 2B 4 th PAS	S TO CONDENSE	र		
REPORT #	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-341	39	V-2429	NOTE: VALVE IS APPAR	RENTLY CLOSED & (COOL TO THE TO	UCH.	RT
BOP-RT-05-362	45	Р	0.300"	0.164"	0.278"	> 88%	RT
BOP-RT-05-363	45A	R	0.300" / 0.179"	0.164"/ 0.090"	0.164"		RT
BOP-RT-05-364	45B	Р	0.179"	0.093″	0.155"	> 88%	RŤ

M20			1B, 2B,	, 3B LP HEATE	R DRAINS TO (CONDENSER		
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOE
BOP-UT-05-215	27	Р		0.500"	0.250"	0.431"	86%	UT
BOP-UT-05-228	28	E		0.500"	0.250"	0.445"	> 88%	UT
BOP-UT-05-227	29	Р		0.500"	0.250"	0.424"	84%	UT
M21			STEAN	EXTRACTION	I TO PRESEP T	ANK "B" & 4B LP H	EATER	
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHOD
BOP-UT-05-179	36D	Р		0.375"	0.193"	0.309"	82%	UT
BOP-UT-05-110	40	Е		0.375"	0.201"	0.277"	72%	UT
BOP-UT-05-183	40	Е		0.375"	0.201"	0.273"	72%	UT
BOP-UT-05-109	41	P		0.375"	0.195"	0.218"	57%	UT
BOP-UT-05-182	41	P		0.375"	0.195"	0.217"	57%	UT
BOP-UT-05-108	41A	N		0.375"	0.200"	0.270"	72%	UT
M22			STEAN		TO PRESEP T	ANK "A" & 4A LP H	EATER	
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD
BOP-UT-05-213 NOTE: INLET NO	15A ZZLE "X"	N/P OF THE 1	IA PRESE	0.843" PARATOR.	0.425"	0.741"	87%	UT
BOP-UT-05-212 NOTE: INLET NO	26A ZZLE "W"	N/P OF THE	1A PRESI	0.843" EPARATOR.	0.425"	0.679"	80%	UT
BOP-UT-05-204 NOTE: ACTION F	37A EPORT 20	P 005-1444.		0.375"	0.199"	0.198"	52%	UT
BOP-UT-05-231	37B	P		0.375"	0.193"	0.302"	80%	UT
BOP-UT-05-249	42	P		0.375"	0.188"	0.329"	87%	UT
M31			MSR 1	A & 1B TO HEA	TER DRAIN TA	NK & CONDENSER	R	
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHOL
BOP-UT-05-099	35	E		0.594"	0.297"	0.584"	> 88%	UT
BOP-UT-05-106	36	Р		0.594"	0.297"	0.591"	> 88%	UT
BOP-RT-05-408	44	P		0.432"	0.219"	0.410"	> 88%	RT
BOP-RT-05-407	45	E		0.432"	0.219"	0.250"	58%	RT
M32			MSR 2	A & 2B TO HE	TER DRAIN TA	NK		
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOE
BOP-UT-05-097	22	E		0.594"	0.297"	0.564"	> 88%	UT

M33			MSR 1A,	1B, 2A, 2B TC	HTR DRAIN TAN	NK		
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD
BOP-UT-05-130	33	Е		0.432"	0.220"	0.378"	87%	UT
BOP-UT-05-129	34	P		0.432"	0.220"	0.401"	> 88%	UT
BOP-UT-05-120	35	E		0.432"	0.220"	0.402"	> 88%	UT
BOP-UT-05-128	36	E		0.432"	0.220"	0.395"	> 88%	UT
M41B			5B HP H	EATER DRAIN	TO 4B LP HEAT	ER		
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHOD
BOP-UT-05-140	41	E		0.432"	0.221"	0.407"	> 88%	UT
BOP-UT-05-087	65	P		0.594"	0.298"	. 0.538"	> 88%	UT
BOP-UT-05-088	65A	N		0.594"	0.300"	0.408"	68%	UT
M45			PRESEP	ARATOR A/B	TO HTR DRAIN T	K & CONDENSE	R	
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHOD
BOP-UT-05-123	21	Е		0.432"	0.218"	0.378"	87%	UT
BOP-UT-05-122	22	Р		0.432"	0.217"	0.365"	84%	UT
BOP-UT-05-121	23	E		0.432"	0.218"	0.390"	> 88%	UT
M46B			PRESEP	ARATOR A/B	TO HEATER DRA			
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	U			WALL		READING	NOMINAL	METHOL
BOP-UT-05-132	01A	Р		0.432"	0.217"	0.410"	> 88%	UT
BOP-UT-05-144	06A	P		0.432"	0.173"	0.419"	> 88%	UT
BOP-UT-05-145	08	P		0.432"	0.173"	0.421"	> 88%	UT
BOP-UT-05-187	11A	R		0.432" / 0.337"	0.302"/0.236"	0.301"	> 88%	UT
BOP-UT-05-146	61A	Р		0.432"	0.173"	0.423"	> 88%	UT
BOP-UT-05-147	63	Р		0.432"	0.173"	0.421"	> 88%	UT
BOP-UT-05-186	66A	R		0.432" / 0.337"	0.302"/0.236"	0.354"	87%	UT
M75			STEAM	EXTRACTION '	TO 5A & 5B HEA	TERS		
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
	ID			WALL 1		READING	NOMINAL	METHOL
BOP-UT-05-226	05A	Ρ		0.375"	0.228"	0.296"	78%	UT
BOP-UT-05-191	10	Р		0.375"	0.222"	0.259"	69%	UT
BOP-UT-05-202	12A	Р		0.375"	0.277"	0.349"	> 88%	UT
BOP-UT-05-117	15B	P		0.375"	0.229"	0.316"	84%	UT
BOP-UT-05-116	15C	N		0.375"	0.229"	0.318"	84%	UT
BOP-UT-05-081	23A	Р		0.375"	0.219"	0.274"	73%	UT
BOP-UT-05-256	23A	Р		0.375"	0.219"	0.355"	> 88%	UT
BOP-UT-05-083	24	E		0.375"	0.236"	0.320"	> 88%	UT
BOP-UT-05-255	24	Ε		0.375"	0.236"	0.350"	> 88%	UT
BOP-UT-05-082	25	P		0.375"	0.237"	0.305"	81%	UT
BOP-11T-05-254	254	P		0.375"	0.219"	0.361"	> 88%	ŰΤ
BOD 11T-05-252	250	P		0 375"	0.219"	0.354"	> 88%	UT .
BOD 11T 05 253	200	n n		0.375"	0.217	0.326"	87%	UT UT
DOD UT 05 010	23 20 1	r D		V.3/3 0.975"	0.23/	0.320	761/	
BOP-UT-05-248	29A	Р		0.375"	0.2/1″	0.288"	10%	01

M81			FEEDWATER DISCHARGE (TURBINE BLDG)								
REPORT #	COMP. ID	TYPE	NOMINAI WALL 1	_ T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD				
BOP-UT-05-138	06	R	0.938" / 0.	844" 0.695"/0.633"	0.809"/ 0.732"	86%	UT				
BOP-UT-05-026	06	R	0.938" / 0.5	B44" 0.695"/0.633"	1.071"/ 0.806"	> 88%	UT				
BOP-UT-05-033	06A	P	0.938"	0.697"	0.762"	81%	UT				
BOP-UT-05-137	06A	Р	0.938"	0.697"	0.755"	80%	UT				
BOP-UT-05-139	19	R	0.938" / 0.3	844" 0.601"/0.548"	0.850"/0.827"	> 88%	UT				
BOP-UT-05-192	29	E	0.938"	0.602"	0.843"	>88%	UT				
M82			FEEDWATER DIS	CHARGE (INTERME	DIATE BLDG)						
REPORT #	COMP.	TYPE	NOMINAI		MINIMUM	PERCENT	NDE				
	ID		WALL 1		READING	NOMINAL	METHOD				
BOP-UT-05-092	04A	Р	0.938"	0.601"	0.906"	> 88%	UT				
BOP-UT-05-105	04B	Ρ	0.938"	0.601"	0.906"	> 88%	UT				
BOP-UT-05-093	04C	Ρ	0.938"	0.601"	0.874"	> 88%	UT				
M83			FEEDWATER DIS	CHARGE (INTERME	DIATE BLDG & FA	CADE)					
REPORT #	COMP.	TYPE	NOMINAI	T-MIN.	MINIMUM	PERCENT	NDE				
	ID		WALL 1		READING	NOMINAL	METHOD				
BOP-UT-05-090	03A	P	0.938"	0.601"	0.924"	> 88%	UT				
BOP-UT-05-091	03B	Р	0.938"	0.601"	0.938"	> 88%	UT				
BOP-UT-05-089	03C	P	0.938"	0.601"	0.861"	> 88%	UT				
BOP-UT-05-184	07A	Р	0.938"	0.603"	0.864"	> 88%	UT				
BOP-UT-05-206	09	E	0.938"	0.602"	0.856"	> 88%	UT				
BOP-UT-05-207	10	Р	0.938"	0.602"	0.841"	> 88%	UT				
BOP-UT-05-208	11	E	0.938"	0.602"	0.899"	> 88%	UT				
BOP-UT-05-209	12	P	0.938"	0.602"	0.890"	> 88%	UT				
M84			FEEDWATER TO	S/G 1A (INSIDE CVN	IT)						
REPORT #	COMP. ID	TYPE	NOMINAI WALL 1	L T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOE				
BOP-UT-05-224	11	Е	0.938"	0.602"	0.821"	87%	UT				
M88A			S/G BLOWDOWN	LINES (INTERMEDIA	ATE BLDG.)						
REPORT #	COMP.	TYPE	NOMINAI	L T-MIN.	MINIMUM	PERCENT	NDE				
	טו		WALL 1		READING	NOMINAL	METHOD				
BOP-RT-05-409	20	E	0.300"	0.168"	0.281"	> 88%	RT				
BOP-RT-05-410	73	E	0.300"	0.168"	0.268"	> 88%	RT				
BOP-RT-05-411	75	Ε	0.300"	0.168"	0.307"	> 88%	RT				
BOP-RT-05-412	76	E	0.300"	0.167"	0.301"	> 88%	RT				

M88D			S/G BLOWDOWN TO FLASH TANK (TURBINE BLDG.)								
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD			
BOP-RT-05-413	17	E		0.300"	0.168"	0.286"	> 88%	RT			
BOP-RT-05-365	19	Е		0.300"	0.167"	0.289"	> 88%	RT			
BOP-RT-05-366	20	Ρ		0.300"	0.166"	0.319"	> 88%	RT			
BOP-UT-05-367	21	E		0.300"	0.167"	0.276"	> 88%	UT			
BOP-UT-05-368	26	E		0.300"	0.168"	0.284"	> 88%	UT			
M90			FEEDV	VATER CLEAN U	P (CV-18)						
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD			
BOP-UT-05-239	30	Ρ		0.432"	0.264"	0.421"	> 88%	UT			
BOP-UT-05-241	31	E		0.432"	0.221"	0.384"	> 88%	UT			
BOP-UT-05-240	32	Ρ		0.432"	0.219"	0.421"	> 88%	UT			
M91			FEEDV	VATER CLEAN U	IP (CV-19)						
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE			
	ID			WALL 1		READING	NOMINAL	METHOD			
BOP-UT-05-232	33	R		0.432" / 0.337"	0.221"/0.173"	0.343"	> 88%	UT			
BOP-UT-05-233	34	E		0.432"	0.222"	0.414"	> 88%	UT			
BOP-UT-05-234	35	P		0.432"	0.222"	0.428"	> 88%	UT			
BOP-UT-05-148	36	Ē		0.432"	0.173"	0.389"	> 88%	ŪŤ			
BOP-UT-05-151	37	P		0.432"	0.173"	0.418"	> 88%	ŬŤ			
BOP-UT-05-152	38	Ē		0.432"	0.173"	0.395"	> 88%	UT			
BOP-UT-05-153	39	P		0.432"	0.173"	0.416"	> 88%	UT			
BOP-UT-05-154	40	R		0.432" / 0.337"	0.173"/0.135"	0.386"	> 88%	UT			
BOP-UT-05-155	41	P		0.337"	0.135"	0.317"	> 88%	UT			
M92			MAIN F	EEDWATER PU	MP RECIRCULA	TION					
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD			
BOP-UT-05-126	71	Ρ		0.594"	0.370"	0.567"	> 88%	UT			
BOP-UT-05-127	72	P		0.594"	0.370"	1.714"	> 88%	UT			
M93			FEEDV	VATER BYPASS	LINE						
REPORT #	COMP.	TYPE		NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE			
	ID			WALL 1		READING	NOMINAL	METHOD			
BOP-UT-05-133	27	Е		0.337"	0.241"	0.312"	> 88%	UT			
BOP-UT-05-134	28	Р		0.337"	0.232"	0.325"	> 88%	UT			
BOP-UT-05-135	33	E		0.337"	0.232"	0.285"	84%	UT			
BOP-UT-05-136	34	Ρ		0.337"	0.232"	0.265"	78%	UT			
M110			HEATE	R DRAIN TANK	TO CONDENSER	२					
REPORT #	COMP. ID	TYPE		NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD			
BOP-UT-05-107	18	R		0.688" / 0.500"	0.344"/0.250"	0.499"	>88%	UT			

S-Figures: Erosion Corrosion ISI Program Isometric for Small-Bore Line Components

Systems of Examined Components

Component thickness measurements were performed on the following systems:

S-FIGURE

SYSTEMS

S-3MS TURBINE SHELL HEAT FLANGE (NORTH) DRAIN VALVE ¼" 2912S-4MS DRAINS FROM MSR 1A & 1B TO CONDENSERS-7TURBINE SHELL HEAT FLANGE (SOUTH) DRAINSS-13MS VALVE 3675 TO CONDENSER "A"S-16MS – FROM 30" THROUGH V3521 TO "A" CONDENSER DRAIN HEADER & V3605S-21MS – 30" THROUGH V3520 TO "A" CONDENSER DRAIN HEADERS-23MS 12" – THROUGH V3850 PAST V2918 TO HP TURBINE	
S-4MS DRAINS FROM MSR 1A & 1B TO CONDENSERS-7TURBINE SHELL HEAT FLANGE (SOUTH) DRAINSS-13MS VALVE 3675 TO CONDENSER "A"S-16MS - FROM 30" THROUGH V3521 TO "A" CONDENSER DRAIN HEADER & V3605S-21MS - 30" THROUGH V3520 TO "A" CONDENSER DRAIN HEADERS-23MS 12" - THROUGH V3850 PAST V2918 TO HP TURBINE	
S-7TURBINE SHELL HEAT FLANGE (SOUTH) DRAINSS-13MS VALVE 3675 TO CONDENSER "A"S-16MS - FROM 30" THROUGH V3521 TO "A" CONDENSER DRAIN HEADER & V3605S-21MS - 30" THROUGH V3520 TO "A" CONDENSER DRAIN HEADERS-23MS 12" - THROUGH V3850 PAST V2918 TO HP TURBINE	
S-13 MS VALVE 3675 TO CONDENSER "A" S-16 MS – FROM 30" THROUGH V3521 TO "A" CONDENSER DRAIN HEADER & V3605 S-21 MS – 30" THROUGH V3520 TO "A" CONDENSER DRAIN HEADER S-23 MS 12" – THROUGH V3850 PAST V2918 TO HP TURBINE	
S-16MS - FROM 30" THROUGH V3521 TO "A" CONDENSER DRAIN HEADER & V3605S-21MS - 30" THROUGH V3520 TO "A" CONDENSER DRAIN HEADERS-23MS 12" - THROUGH V3850 PAST V2918 TO HP TURBINE	
S-21MS – 30" THROUGH V3520 TO "A" CONDENSER DRAIN HEADERS-23MS 12" – THROUGH V3850 PAST V2918 TO HP TURBINE	
S-23 MS 12" – THROUGH V3850 PAST V2918 TO HP TURBINE	
S-24 MS – FROM 12" LINE THROUGH V3845 PAST V2520 TO HP TURBINE	
S-25 MS – FROM 12" LINE THROUGH V3860	
S-26 MS 12" LINE THROUGH V3855 PAST V3856A TO HP TURBINE	
S-27 GLAND STEAM – "A" & "B" CONDENSERS THROUGH LGS01, LGS02, LGS03, LGS04	
S-31 MSR – FROM "2B" THROUGH V2487 & LMS14, LMS13, V2495 BACK TO MSR-2B	
S-36 FW HEATER VENTS – FROM 3A & 3B HTRS TO "A" & "B" CONDENSERS	
S-37 EXTRACTION STEAM 14" – FROM V1906 & V1907 TO MAIN CONDENSER "A" THRU V1973 &V1972	
S-41 EXTRACTION STEAM - FROM 12" LINE THRU V5697, V5650 & V5653 TO MAIN CONDENSER "A"	
S-42 EXTRACTION STEAM - FROM 12" LINE THRU V5696, V5645 & V5648 TO MAIN CONDENSER "A"	
S-48 GLAND STEAM FROM 6" LINE THROUGH V2936, 2927, 2927 TO MAIN CONDENSER "A" HOTWELL	
S-53 MAIN STEAM FROM 24" LINE THROUGH V3870, 3837B, 3545A & 3545.	
S-56 MS FROM 24" LINE THROUGH V8511, 3599, 3601 TO MAIN CONDENSER "A".	
S-57 GLAND STEAM FROM HP TURBINE THROUGH LGS05 & LGS08 TO 12" LINE V3881 & 3834.	
S-59 GLAND STEAM FROM 31" LINE THROUGH V3558, 3554 TOWARDS GLAND STEAM CONDENSER.	
S-64 MOISTURE SEPARATOR REHEATER – WARM BYPASS TO V3425	
S-65 MOISTURE SEPARATOR REHEATER – FROM 8" MS THROUGH V8506, 8507, 8508, 8509 TO CONDENSE	₹"A'
S-66 FW HTR VENTS- FROM 4A & 4B LP HTRS TO CONDENSER "B" THROUGH V4427, 4425, 4428, 4426	
S-67 FW HTR VENTS- FROM 5A & 5B LP HTRS TO CONDENSER "B" THROUGH V 4411, 4413, 4412, 4414	
S-69 MS – FROM V 3544 THROUGH V 7786 TO MAIN CONDENSER "A"	
S-70 MS – FROM V8517, V3584 & V3422 TO SMS11, SMS12, SMS13, SMS14	
S-71 MS DRAIN -FROM AFTERCOOLER (ECD07B) THRU V3235 TO MAIN CONDENSER "B"	
S-73 EXTRACTION STEAM – %" LINE NEAR V5722 THROUGH ZGS07 TO 12" HEADER TO CONDNESER "A"	
S-79 MSR – FROM RELIEF VALVE HEADER THROUGH V3664, 3663, 3662 TO 8" LINE TO CONDENSER "B"	
S-80 CONDENSATE – FROM 12" LINE THRU V4151 & V4100 TO HEATER DRAIN TANK (TFW01)	

S-1

MS TURBINE SHELL HEAT FLANGE (NORTH) HOT

REPORT NUMBER	COMP ID	TYPE	NOMINAL WALL	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD
BOP-RT-05-240	01	P	0.154"	0.077"	0.155"	> 88%	RT
BOP-RT-05-241	2909	V	0.154"	0.077"	0.257"	> 88%	RT
BOP-RT-05-242	02	P	0.154"	0.077"	0.164"	> 88%	RT
BOP-RT-05-243	03	Е	0.154"	0.077"	0.252"	> 88%	RT
BOP-RT-05-244	04	Р	0.154"	0.077"	0.199"	> 88%	RT
BOP-RT-05-245	05	E	0.154"	0.077"	0.327"	> 88%	RT
BOP-RT-05-246	06	Ρ	0.154"	0.077"	0.190"	> 88%	RT

S3		MS TU	RBINE SHELL	HEAT FLANGE	(NORTH) DRAIN V	ALVE ¾" 2912	
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD
BOP-RT-05-247 BOP-RT-05-248	57 58	E P	0.154" 0.154"	0.077" 0.077"	0.250" 0.110"	> 88% 71%	RT RT
NOTE: ACTION REPOR	RT 204-3292, R	EPLACE	D DURING RFO2	005. WO # 20404	638.		
BOP-RT-05-249	59	E	0.154"	0.077"	0.248"	> 88%	RT
BOP-RT-05-250 NOTE: ACTION REPOR	60 RT 204-3292, R	P EPLACE	0.154" D DURING RFO2	0.077" 005. WO # 20404	0.083" 638.	53%	RT
POD DT 05 251	61	E	0 154"	0.077"	0 245"	> 88%	PT
BOP-RT-05-252	62	P	0.154"	0.077"	0.173"	> 88%	RT
S4		MS DR	AINS FROM M	SR 1A & 1B TO	CONDENSER		
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-253	01	Ρ	0.154"	0.077"	0153"	> 88%	RT
BOP-RT-05-254	02	Е	0.154"	0.077"	0.255"	> 88%	RT
BOP-RT-05-255	03	Р	0.154"	0.077"	0.153"	> 88%	RT
S7		TURBI	NE SHELL HEA	T FLANGE (SO	UTH) DRAINS	·	
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-256	03	P	0.154"	0.077"	0.168"	> 88%	RT
BOP-RT-05-257	04	Ε	0.154"	0.077"	0.341"	> 88%	RT
BOP-RT-05-258	05	Ρ	0.154"	0.077"	0.147"	> 88%	RT
BOP-RT-05-259	06	v	0.154"	0.077"	0.241"	> 88%	RT
BOP-RT-05-260	07	P	0.154"	0.077"	0.142"	> 88%	RT
S13		MS VA	LVE 3675 TO C	ONDENSER "A			
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD
BOP-RT-05-261	11	P	0.179"	0.090"	0.214"	> 88%	RT
BOP-RT-05-262	12	E	0.179"	0.090"	0.295"	> 88%	RT
BOP-RT-05-263	13	Ρ	0.179"	0.090"	0.183"	> 88%	RT
S16		MS – F	ROM 30" THR	DUGH V3521 TC	"A" CONDENSER	DRAIN HEADER	& V3605
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-264	73	Ρ	0.154"	0.077"	0.147"	> 88%	RT
BOP-RT-05-265	74	E	0.154"	0.077"	0.237"	> 88%	RT
BOP-RT-05-266	75	Ρ	0.154"	0.077"	0.152"	> 88%	RT

S21		MS – 30" THROUGH V3520 TO "A" CONDENSER DRAIN HEADER								
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD			
BOP-RT-05-267	42	P	0.154"	0.077"	0.146"	> 88%	RT			
BOP-RT-05-268	43	U	0.154"	0.077"	0.212"	> 88%	RT			
BOP-RT-05-280	44	P	0.154"	0.077"	0.159"	> 88%	RT			
BOP-RT-05-281	45	E	0.154"	0.077"	0.217"	> 88%	RT			
BOP-RT-05-282	46	Р	0.154"	0.077"	0.133"	86%	RT			
S23		MS 12"	– THROUGH V	/3850 PAST V29	918 TO HP TURBIN	E				
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE			
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD			
BOP-RT-05-209	24	E	0.200"	· 0.101"	0.149"	74%	RT			
BOP-RT-05-203	25	Е	0.200"	0.101"	0.149"	74%	RT			
BOP-RT-05-204	26	Ρ	N/A	N/A	N/A	N/A	RT			
BOP-RT-05-205	27	P	0.200"	0.101"	0.173"	86%	RT			
BOP-RT-05-206	30	Ρ	0.179"	0.090"	0.132"	73%	RT			
BOP-RT-05-207	31	E	0.179"	0.090"	0.150"	> 88%	RT			
BOP-RT-05-208	32	P	0.179"	0.090"	0.186"	> 88%	RT			
S24		MS – F	ROM 12" LINE	THROUGH V38	45 PAST V2520 TO	HP TURBINE				
S24 REPORT	COMP.	MS – F	ROM 12" LINE	THROUGH V38 T-MIN.	45 PAST V2520 TO 	HP TURBINE	NDE			
S24 REPORT NUMBER	COMP. ID	MS – Fi TYPE	ROM 12" LINE NOMINAL WALL 1	THROUGH V38 T-MIN.	45 PAST V2520 TO MINIMUM READING	HP TURBINE PERCENT NOMINAL	NDE METHOD			
S24 REPORT NUMBER BOP-RT-05-198	COMP. ID 22	MS – FI TYPE E	ROM 12" LINE NOMINAL WALL 1 0.200"	THROUGH V38 T-MIN. 0.101"	45 PAST V2520 TO MINIMUM READING 0.162"	HP TURBINE PERCENT NOMINAL 81%	NDE METHOD RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199	COMP. ID 22 23	MS – Fi TYPE E E	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200"	THROUGH V38 T-MIN. 0.101" 0.101"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162"	HP TURBINE PERCENT NOMINAL 81% 81%	NDE METHOD RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200	COMP. ID 22 23 24	MS – F TYPE E P	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A	THROUGH V38 T-MIN. 0.101" 0.101" N/A	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A	HP TURBINE PERCENT NOMINAL 81% 81% N/A	NDE METHOD RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201	COMP. ID 22 23 24 25	MS – Fi TYPE E P P	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144"	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72%	NDE METHOD RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202	COMP. ID 22 23 24 25 27	MS – F TYPE E P P P	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.101"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195"	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88%	NDE METHOD RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179	COMP. ID 22 23 24 25 27 28	MS – F TYPE E P P P P	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.200" 0.200"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.101" 0.090"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083"	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88% 41%	NDE METHOD RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20	COMP. ID 22 23 24 25 27 28 004-2458, I	MS – Fi TYPE E P P P P REPLACE	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.101" 0.090" 2005 WO# 20403	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834.	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88% 41%	NDE METHOD RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-180	COMP. ID 22 23 24 25 27 28 004-2458, I 29	MS – Fi TYPE E P P P P REPLACE	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.179"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.101" 0.090" 2005 WO# 20403 0.090"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174"	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88% 41% > 88%	NDE METHOD RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-180 BOP-RT-05-181	COMP. ID 22 23 24 25 27 28 004-2458, I 29 30	MS – Fi TYPE E P P P REPLACE E P	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.179" ED DURING RFO 0.179" 0.179"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.101" 0.090" 2005 WO# 20403 0.090" 0.090"	45 PAST V2520 TO MINIMUM READING 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174" 0.174"	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88% 41% > 88% > 88% > 88%	NDE METHOD RT RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-181 S25	COMP. ID 22 23 24 25 27 28 004-2458, I 29 30	MS – F TYPE E P P P REPLACE E P MS – F	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.179" ED DURING RFO 0.179" 0.179"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.090" 2005 WO# 20403 0.090" 0.090" THROUGH V38	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174" 0.174"	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88% 41% > 88% > 88% > 88%	NDE METHOD RT RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-181 S25 REPORT	COMP. ID 22 23 24 25 27 28 004-2458, I 29 30	MS – F TYPE E P P P P P P P P P P P MS – F TYPE	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" N/A 0.200" 0.200" N/A 0.200" 0.200" N/A 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.200" N/A 0.200" 0.179" ED DURING RFO 0.179" ROM 12" LINE NOMINAL	THROUGH V38 T-MIN. 0.101" 0.101" 0.101" 0.101" 0.090" 2005 WO# 20403 0.090" 2005 WO# 20403 0.090" THROUGH V38	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174" 0.174" 60 MINIMUM	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88% 41% > 88% > 88% > 88% PERCENT	NDE METHOD RT RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-181 S25 REPORT NUMBER	COMP. ID 22 23 24 25 27 28 2004-2458, I 29 30 COMP. ID	MS – F TYPE E P P P REPLACE P MS – F TYPE	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" N/A 0.200" 0.200" 0.200" N/A 0.200" 0.179" ED DURING RFO 0.179" ROM 12" LINE NOMINAL WALL 1 NOMINAL WALL 1 0.200" 0.179" ROM 12" LINE	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.090" 2005 WO# 20403 0.090" 2005 WO# 20403 0.090" THROUGH V38 T-MIN.	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174" 0.174" 60 MINIMUM READING	HP TURBINE PERCENT NOMINAL 81% N/A 72% > 88% 41% > 88% PERCENT NOMINAL	NDE METHOD RT RT RT RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-181 S25 REPORT NUMBER BOP-RT-05-318	COMP. ID 22 23 24 25 27 28 004-2458, I 29 30 COMP. ID 02	MS – F TYPE E P P P P P P P P P P P P P P P TYPE E	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.200" 0.179" ED DURING RFO 0.179" ED DURING RFO 0.179" ROM 12" LINE NOMINAL WALL 1 0.200"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.090" 2005 WO# 20403 0.090" 2005 WO# 20403 0.090" THROUGH V38 T-MIN. 0.101"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174" 0.174" 60 MINIMUM READING 0.265"	HP TURBINE PERCENT NOMINAL 81% 81% 81% N/A 72% > 88% 41% > 88% > 88% > 88% > 88% > 88% > 88% > 88%	NDE METHOD RT RT RT RT RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-181 S25 REPORT NUMBER BOP-RT-05-318 BOP-RT-05-317	COMP. ID 22 23 24 25 27 28 004-2458, I 29 30 COMP. ID 02 03	MS – F TYPE E P P P P P P P P P P P P P P P T P T	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.200" 0.200" 0.179" ED DURING RFO 0.179" ED DURING RFO 0.179" ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" 0.200"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.101" 0.090" 2005 WO# 20403 0.090" 2005 WO# 20403 0.090" THROUGH V38 T-MIN. 0.101" 0.101"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174" 0.174" 0.174" 60 MINIMUM READING 0.265" 0.164"	HP TURBINE PERCENT NOMINAL 81% 81% N/A 72% > 88% 41% > 88% > 88% > 88% > 88% PERCENT NOMINAL > 88% 82%	NDE METHOD RT RT RT RT RT RT RT RT RT RT RT RT RT			
S24 REPORT NUMBER BOP-RT-05-198 BOP-RT-05-199 BOP-RT-05-200 BOP-RT-05-201 BOP-RT-05-202 BOP-RT-05-179 NOTE: ACTION REPORT 20 BOP-RT-05-181 S25 REPORT NUMBER BOP-RT-05-318 BOP-RT-05-317 BOP-RT-05-325	COMP. ID 22 23 24 25 27 28 30 004-2458, I 29 30 COMP. ID 02 03 04	MS – F TYPE E P P P P P P P P P P P P P P P P T P E E	ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" N/A 0.200" 0.200" 0.200" 0.200" 0.179" ED DURING RFO 0.179" ED DURING RFO 0.179" ROM 12" LINE NOMINAL WALL 1 0.200" 0.200" 0.200" 0.200" 0.200"	THROUGH V38 T-MIN. 0.101" 0.101" N/A 0.101" 0.090" 2005 WO# 20403 0.090" 2005 WO# 20403 0.090" 2005 WO# 20403 0.090" THROUGH V38 T-MIN. 0.101" 0.101" 0.101"	45 PAST V2520 TO MINIMUM READING 0.162" 0.162" N/A 0.144" 0.195" 0.083" 834. 0.174" 0.174" 0.174" 60 MINIMUM READING 0.265" 0.164" 0.289"	PERCENT NOMINAL 81% 81% 81% N/A 72% > 88% 41% > 88% > 88% > 88% > 88% > 88% > 88%	NDE METHOD RT RT RT RT RT RT RT RT RT RT RT RT RT			

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S27	GLAND STEAM "A" & "B" CONDENSERS THROUGH LGS01, LGS02, LGS03, LGS04										
REPORT NUMBER	COMP. ID	COMP. TYPE ID		T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD				
BOP-RT-05-225 BOP-RT-05-226	18 19	P P	0.179" 0.179"	0.090" 0.090"	0.172" 0.172"	> 88% > 88%	RT RT				
S31	MSR –	FROM "	2B" THROUGH	V2487 & LMS1	4, LMS13, V2495 B	ACK TO MSR-2B					
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD				
BOP-RT-05-283 BOP-RT-05-284 BOP-RT-05-285 BOP-RT-05-286 BOP-RT-05-287	14 15 16 17 22	P P T P	0.200" 0.200" 0.200" 0.200" 0.200"	0.101" 0.101" 0.101" 0.101" 0.101"	0.221" 0.200" 0.204" 0.283" 0.221"	> 88% > 88% > 88% > 88% > 88%	RT RT RT RT RT				
S36	FW HE	ATER VI	ENTS - FROM :	3A & 3B HTRS 1	TO "A" & "B" CONI	DENSERS					
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD				
BOP-RT-05-222 BOP-RT-05-223 BOP-RT-05-224	08 09 10	E P T	0.200" 0.200" 0.200"	0.100" 0.100" 0.100"	0.243" 0.196" 0.313"	> 88% > 88% > 88%	RT RT RT				
S37	EXTRACTION S	TEAM 1	4" – FROM V19	06 & V1907 TO	MAIN CONDENSE	R "A" THRU V197	/3 &V1972				
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD				
BOP-RT-05-288 BOP-RT-05-289 BOP-RT-05-290 BOP-RT-05-291 BOP-RT-05-292	42 43 48 49 50	P T E P	0.200" 0.200" 0.200" 0.200" 0.200"	0.100" 0.100" 0.100" 0.100" 0.100"	0.188" 0.266" 0.191" 0.150" 0.127"	> 88% > 88% > 88% 75% 63%	RT RT RT RT RT				
S41	EXTRACTION S	TEAM -	FROM 12" LINI	E THRU V5697,	V5650 & V5653 TO	MAIN CONDENS	ER "A"				
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT	NDE METHOD				
BOP-RT-05-227 BOP-RT-05-228 BOP-RT-05-229	29 30 31	P E P	0.200" 0.200" 0.200"	0.100" 0.100" 0.100"	0.181" 0.195" 0.146"	> 88% > 88% 74%	RT RT RT				

BOP-RT-05-296

BOP-RT-05-297

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S42	EXTRACTION S	EXTRACTION STEAM - FROM 12" LINE THRU V5696, V5645 & V5648 TO MAIN CONDENSER "A"									
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD				
BOP-RT-05-233	18	Е	0.200"	0.100"	0.269"	> 88%	RT				
BOP-RT-05-234	19	Р	0.200"	0.100"	0. 098"	49%	RT				
NOTE: ACTION F	REPORT 2004-2503.	REPLAC	ED DURING RFO	2005. WO# 20403	3869.						
BOP-RT-05-230	29	Ρ	0.200"	0.100"	0.212"	> 88%	RT				
BOP-RT-05-231	30	Е	0.200"	0.100"	0.250"	> 88%	RT				
BOP-RT-05-232	31	P	0.200"	0.100"	0.085"	43%	RT				
NOTE: ACTION F	REPORT 2004-2502,	REPLAC	ED DURING RFO	2005, WO# 20403	869.						
S48	GLAND STEAM	FROM	S" LINE THROU	IGH V2936, 292	5, 2927 TO MAIN C	ONDENSER "A" I	HOTWELL				
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE				
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD				
\ ما ^م ا الله ب											
BOP-RT-05-192	\$3	P	0 154"	0 077"	n 148"	> 88%	RT				
BOD DT 05 492	60	F	0.154	0.077"	0.140		DT				
DOP-R1-05-105	05	E D	0.154	0.077	0.225	> 00 /0 > 900/ DT	NI NI				
DUF-K1-03-104	10	F	0.154	. 0.077	0.137						
S53	MS FR	OM 24"	LINE THROUG	H V3870, 3837E	8, 3545A & 3545.						
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE				
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD				
BOP-RT-05-327	01	Е	0.400"	0.200"	0.435"	> 88%	RT				
BOP-RT-05-331	02	P	0.200"	0.101"	0.203"	> 88%	RT				
BOP-RT-05-332	03	v	0.200"	0 101"	0.339"	> 88%	RT				
BOD-DT-05-333	0.0	.	0.200"	0.101	0.000	> 88%	PT				
DOF-N1-03-333	04	Б	0.200	0.101	0.910	> 99%	DT				
BOF-RT-05-320	05	г е	0.200	0.101	0.210	> 001/					
DUP-R1-05-329	. 07	5	0.200	0.101	0.230	> 00%	DT N				
BOF-R1-05-330	07	r	0.200	0.101	0.214	- 60 %	NI.				
S56	MS FR	OM 24"	LINE THROUGH	ų V8511, 3599, 3	BENT TO MAIN CON	DENSER "A".					
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE				
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD				
BOD DT 05 102	04		0.454"	0 077"	0 162"	> 999 /	DT				
BOP-R1-05-193	04	r r	0.154	0.077	0.102	> 00 /0					
BUP-R1-05-194	60	5	0.154	0.077"	0.300	> 00%					
BON-KI-02-182	86	٢	0.154"	0.077**	0.143*	> 88%	KI				
S57	GLAN	STEAN		RBINE THROUG	H LGS05 & LGS08	TO 12" LINE V38	81 & 3834				
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE				
NUMBER	ID	=	WALL 1		READING	NOMINAL	METHOD				
BOP-RT-05-293	26	Р	0.179"	0.090"	0.185"	> 88%	RT				
BOP.RT.05.204	97	F	0 179"	0.000	0.268"	> 88%	RT				
BOP.RT.05.205	28	P	0 179"	0.000"	0.190"	> 88%	RT				
DOI -IVI-00-7233	£0	•	V. 1 / V	0.000	V. I VV	- 0070					

0.090"

0.090"

0.292"

0.181"

> 88%

> 88%

RT

RT

0.179"

0.179"

S-59	GLAND STEA	M FROM	31" LINE - V355	58, 3554 TOWAF	RDS GLAND STEAM	CONDENSER.	
REPORT NUMBER	COM ID	P. TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD
BOP-RT-05-339	14B	Р	0.300"	0.150"	0.246"	82%	RT
BOP-RT-05-334	28	P	0.200"	0.100"	0.219"	> 88%	RT
BOP-RT-05-335	29	P	0.200"	0.100"	0.272"	> 88%	RT
BOP-RT-05-336	30	P	0.200"	0.100"	0.205"	> 88%	RT
BOP-RT-05-337	30A	Ē	0.200"	0.100"	0.371"	> 88%	RT
BOP-RT-05-338	30B	P	0.200"	0.100"	0.237"	> 88%	RT
S-64	MOIS	TURE SE		IEATER – WARI	M BYPASS TO V34	25	
REPORT	COM	P. TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-298	14	P	0.218"	0.116"	0.197"	> 88%	RT
BOP-RT-05-299	15	E	0.218"	0.116"	0.306"	> 88%	RT
		•	0.270				
S-65	MSR	- FROM	B" MS THROUG	H V8506, 8507,	8508, 8509 TO COM	NDENSER "A"	
REPORT	COM	P. TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-301	23	P	0.218"	0.116"	0.215"	> 88%	RT
BOP-RT-05-302	24	E	0.218"	0.116"	0.294"	> 88%	RT
BOP-RT-05-303	25	P	0.218"	0.116"	0.211"	> 88%	RT
BOP-R1-05-4/5	BC	Р	0.276"	0.145"	0.204*	14%	RI
S-66	FW H	TR VENT	S- FR 4A & 4B	LP HTRS TO CO	ONDENSER "B", V4	427, 4425, 4428,	4426
REPORT	COM	P. TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-220	11	Е	0.179"	0.090"	0.159"	> 88%	RT
BOP-RT-05-221	12	Р	0.179"	0.090"	0.089"	50%	RT
NOTE: ACTION R	EPORT 2004-249	4, REPLAC	ED DURING RFC	2005, WO# 20403	867.		
BOP-RT-05-235	63	P	0.179"	0.090"	0.123"	69%	RT
BOP-RT-05-236	64	Е	0.179"	0.090"	0.179"	> 88%	RT
BOP-RT-05-237	67	Р	0.179"	0.090"	0.137"	77%	RT
BOP-RT-05-238	68	E	0.179"	0.090"	0.156"	87%	RT
S-67	FW H	ITR VENT	S- FR 5A & 5B	LP HTRS TO CO	NDENSER "B", V	4411, 4413, 4412,	4414
REPORT	СОМ	P. TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD
BOP-RT-05-196	13	т	0.179"	0.090"	0.260"	> 88%	RT
BOP-RT-05-197	25	т	0.179"	0.090"	0.231"	> 88%	RT

S-69	MS – FROM V 3544 THROUGH V 7786 TO MAIN CONDENSER "A"									
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE			
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD			
BOP-RT-05-189	37	F	0 200"	0 101"	0 264"	> 88%	RT			
BOP-RT-05-190	38	P	0.200"	0.101"	0.187"	> 88%	RT			
BOP-RT-05-191	30	F	0.200"	0.101"	0.257"	> 88%	BT			
BOD-PT-05-102	40		0.200	0.101	0.215"	> 88%	PT			
DOP-1(1-05-152	-0	F	0.200	0.101	0.215	- 0078				
S-70	MS – F	ROM V8	517, V3584 & V	3422 TO SMS1	1, SMS12, SMS13, S	SMS14				
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE			
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD			
BOP-RT-05-219	01	т	0.200"	0.101"	0.164"	82%	RT			
BOP-RT-05-218	31	Т	0.179"	0.090"	0.212"	> 88%	RT			
S-71	MS DR.	AINFR	OM AFTERCO	DLER (ECD07B)) THRU V3235 TO N	AIN CONDENSE	R "B"			
						DEDOENT				
REPORT	COMP.	ITPE	NOMINAL	J-MIN.	MINIMUM	PERCENT	NUE			
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD			
BOP-RT-05-305	52	Р	0.179"	0.090"	0.162"	> 88%	RT			
BOP-RT-05-306	53	Е	0.179"	0.090"	. 0.221"	> 88%	RT			
BOP-RT-05-307	54	P	0.179"	0.090"	0.162"	> 88%	RT			
S-73	EXTRAC	TION ST	EAM - ¾" LINE N	NEAR V5722, ZGS	07 TO 12" HEADER 1	TO CONDNESER "A	("			
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE			
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD			
BOP-RT-05-185	15	Е	0.154"	0.077"	0.284"	> 88%	RT			
BOP-RT-05-186	16	Р	0.154"	0.077"	0.147"	> 88%	RT			
BOP-RT-05-187	17	E	0.154"	0.077"	0.154"	> 88%	RT			
BOP-RT-05-188	18	P	0.154"	0.077"	0.150"	> 88%	RT			
S-79	MSR – F	ROM RE	LIEF VALVE HEA	DER, V3664, 366	3, 3662 TO 8" LINE T	O CONDENSER "B	•			
REPORT	COMP.	TYPE	NOMINAI	T-MIN.	MINIMUM	PERCENT	NDE			
NUMBER	ID		WALL 1	• •••••	READING	NOMINAL	METHO			
BOP-RT-05-308	40	Р	0.191"	0.096"	0.212"	> 88%	RT			
BOP-RT-05-309	41	v	0.191"	0.096"	0.128"	67%	RT			
NOTE: ACTION REPOR	T 2004-3302.	V-3666. E	NGINEERING EV	ALUATION - AC	CEPT.					
BOP-RT-05-310	42	Ρ	0.191"	0.096"	0.216"	> 88%	RT			
BOP-RT-05-311	43	v	0.191"	0.096"	0.328"	> 88%	RT			
BOP-RT-05-312	44	P	0.191"	0.096"	0.227"	> 88%	RT			
BOP-RT-05-313	45	F	0.191"	0.096"	0.269"	> 88%	RT			
BOP-RT-05-314	46	P	0.191"	0.096"	0.222"	> 88%	RT			
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S80	CONDENSATE -	FROM 12" LINE THRU V4151 & V4100 TO HEATER DRAIN TANK (TFW01)							
REPORT NUMBER	COMP.	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT	NDE METHOD		
BOP-RT-05-210	26	R	0.218"	. 0.109"	0.306"	> 88%	RT		
BOP-RT-05-211	27	P	0.179"	0.090"	TOO THICK	N/A	RT		
BOP-RT-05-212	28	P	0.179"	0.090"	0.165"	> 88%	RT		
BOP-RT-05-213	36	P	0.179"	0.090"	0.171"	> 88%	RT		
BOP-RT-05-214	37	P	0.179"	0.090"	TOO THICK	N/A	RT		
BOP-RT-05-215	38	R	0.218"	0.109"	0.310"	> 88%	RT		
BOP-RT-05-216	41	P	0.218"	0.109"	0.218"	> 88%	RT		
BOP-RT-05-217	42	E	0.218"	0.109'	0.287"	> 88%	RT		
33013-1904		EXTRA	CTION STEAM	l					
REPORT NUMBER	COMP.	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD		
POD DT.05.003	1/2827	D.	0 280	0 140	0 268	> 88%	рт		
BOP-R1-05-093	V 3027 \/3827	r E	0.200	0.140	0.200	> 88%	RT		
BOP-RT-05-095	V3827	E	0.280	0.140	0.295	> 88%	RT		
33013-1271		RADW	ASTE PROCES	SSING - PRIMA	RY DI ROOM				
REPORT	COMP.	TYPE	NOMINAL	T-MIN.	MINIMUM	PERCENT	NDE		
NUMBER	ID		WALL 1		READING	NOMINAL	METHOD		
BOP-RT-05-396	. 1	V18	0.109	0.063	0.127	> 88%	RT		
BOP-RT-05-398	2	V18	0.109	0.063	0.123	> 88%	RI		
BOP-RT-05-399	3	V18	0.109	0.063	0.121	> 88%	RI		
BOP-R1-05-400	4	V18	0.109	0.063	0.118	> 88%	RI		
BOP-RI-05-401	5	V18	0.109	0.063	0.119	> 88%	RI		
BOP-R1-05-402	6	V18	0.109	0.063	0.115	> 88%	RI		
BOP-R1-05-403		V18	0.109	0.063	0.119	> 88%			
BOP-R1-05-390	1	P	0.109	0.063	0.158	> 88%			
BOP-R1-05-391	4	P	0.109	0.063	0.120	> 00%			
BOP-R1-05-392	3	r D	0.109	0.003	0.171	> 00%			
BOP-R1-05-393	4	r D	0.109	0.003	0.103	> 00%			
BOP-RT-05-395	6	P	0.109	0.063	0.159	> 88%	RT		
33013-1273		RADW	ASTE PROCES	55ING - "A" & "	'B" WASTE GAS C	OMPRESSOR			
	*****				······································				
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD		
BOP-RT-05-397	U/S	Р	0.140	0.063	0.120	> 88%	RT		
BOP-RT-05-404	D/S	P	0.140	0.063	0.106	> 88%	KI		
	-								
BOP-RT-05-405	U/S	P	0.140	0.063	0.159	> 88%	RI		

33013-1911		WATER TREATMENT- CONDENSATE POLISHING SYSTEM								
REPORT NUMBER	COMP. ID	TYPE	NOMINAL WALL 1	T-MIN.	MINIMUM READING	PERCENT NOMINAL	NDE METHOD			
BOP-UT-05-056	01	Е	0.375	0.281	0.325	86%	UT			
BOP-UT-05-057	02	Ε	0.375	0.274	0.282	75%	UT			
BOP-UT-05-058	03	Р	0.375	0.281	0.306	81%	UT			
BOP-UT-05-059	04	R	0.375	0.281	0.372	> 88%	UT			
BOP-UT-05-060	05	E	0.375	0.281	0.381	> 88%	UT			
BOP-UT-05-061	06	E	0.375	0.281	0.394	> 88%	UT			
BOP-UT-05-074	01	E	0.365	0.274	0.272	72%	UT			
BOP-UT-05-075	02	E	0.365	0.274	0.279	73%	UT			
BOP-UT-05-076	03	E	0.365	0.274	0.267	71%	UT			
BOP-UT-05-159	04	Р	0.365	0.229	0.281	75%	UT			
BOP-UT-05-160	05	Ρ	0.365	0.229	0.297	81%	UT			

Service Water

In addition to the Erosion/Corrosion Program, Service Water components were examined from plant drawings.

Drawing

C-381-358 Sheet 02:
C-381-358 Sheet 03:
C-381-358 Sheet 04:
C-381-358 Sheet 05
C-381-358 Sheet 06:
C-381-358 Sheet 07:
C-381-358 Sheet 09:
C-381-358 Sheet 10:
C-381-358 Sheet 11:
C-381-358 Sheet 12:
C-381-358 Sheet 13:
C-381-358 Sheet 14:
C-381-358 Sheet 15:
C-381-358 Sheet 16:
C-381-358 Sheet 17:
C-381-358 Sheet 26:
C-381-358 Sheet 29:
C-381-358 Sheet 34:
C-381-024-1:
C-381-024-3:

Plant System

SW- from Component Cooling HTX. To Anchor at Column "L".
SW- Return from Component Cooling Hx. To Column "Q".
SW- Supply Header to Distribution Manifold.
SW- Return from Spent Fuel Pit Heat Exchanger.
SW- Return from Spent Fuel Pit Heat Exchanger.
SW- Return from Penetration Cooling Coil Plenum.
SW- Int. Bldg. Above El.253'-6" from Pen. 308,315 & 323 to Col. 7
SW- Int. Bldg. Above 253"-6" fr Column 7 to Chiller 1A & 1B.
SW- Int. Bldg. Above 253'-6" fr Valve 4624C to 14" HDR.
SW- Int. Bldg. above El. 253' 6" from Pen. # 209 & # 201 to 14" Header.
SW- Int. Bidg. above 253'-6" from Hdr. to Pen. # 312, 316, 319, & 320.
SW- Int. Bldg. above 253'-6" – 16" & 20" Headers
SW- Int. Bldg. above 253'-6" from 14" HDR to Chillers 1A & 1B.
SW- Int. Bldg. from 14" Header to PEN 201 & 209.
SW- From Main 20" Header to M.D. Aux. FW pumps 1A & 1B
SW to Containment Recirculation Cooling units (1a & 1b) Motors
Station Service Water from Pen. 209 to Reactor Cavity Cooler.
"A" & "B" Service Water Pumps in Screen House.
Service Water Suction line Loop B to Aux F.W. Pump
Service Water Suction line Loop B to Aux F.W. Pump

Service Water Result Details

The following list provides examination result in details on Service Water components, by drawing number and system description. The component type classification specified in the list below corresponds to the following:

P = Pipe	E ≈ Elbow	R = Reducer/Expander	T = Tee	C = Cap	N = Nozzle	F = Flange	
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	C-381-358 Sheet 2			SW - from Component Cooling HTX to Anchor "L"							
*****	Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method			
	BOP-UT-05-035	1420 - 1430	E	0.375"	0.200" .	0.313"	83%	UT			
	BOP-UT-05-176	V4538	E	0.365"	0.186"	0.304"	81%	UT			
	BOP-UT-05-175	V4538	R	0.365"	0.186"	0.206"	56%	UΤ			
	BOP-UT-05-036	2120-2140	E& P	0.375"	0.219"	0.308"	82%	UT			

C-381-358 Sheet 3

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SW - return from Component Cooling HTX, V-4619, 4620, 8689

 Report	Component	Туре	Nominal	T-Min.	Minimum	Percent	NDE
Number	ID (NODE)	••	Wall	Value	Reading	Nominal	Method
BOP-UT-05-157	1580	P	0.375"	0.219"	0.283"	75%	UT
BOP-UT-05-027	1105	F	0.365"	0.247"	0.484"	>88%	UT
BOP-UT-05-034	1105-1110	P	0.375"	0.247"	0.40"	> 88%	UT
BOP-UT-05-028	1110	R	0.365"	0.247"	0.330"	>88%	UT
BOP-UT-05-031	1120	E	0.365"	0.247"	0.339"	>88%	UT
BOP-UT-05-032	1130	P	0.365"	0.247"	0.362"	>88%	UT
BOP-UT-05-170	1105	F	0.365"	0.247"	0.488"	>88%	UT
BOP-UT-05-169	1110	R	0.365"	0.247"	0.333"	>88%	UT
BOP-UT-05-171	1120	E	0.365"	0.247"	0.340"	>88%	UT
BOP-UT-05-172	1130	P	0.365"	0.247"	0.361"	>88%	UT
BOP-UT-05-070	2640	P	0.365"	0.231"	0.233"	62%	UΤ
BOP-UT-05-069	2650	E	0.365"	0.231"	0.301"	80%	UT
BOP-UT-05-068	2660	P	0.365"	0.231"	0.325"	86%	UT
BOP-UT-05-038	2690	R	0.375"	0.247"	0.40"	>88%	UT
BOP-UT-05-066	2690	R	0.375"	0.247"	0.319"	85%	UT
BOP-UT-05-037	2690-2680	E	0.375"	0.247"	0.127"	33%	UT
BOP-UT-05-067	2690-2680	E	0.375"	0.247"	0.425"	> 88%	
UT			•				

 C-381-358 Sheet 4		SW- Supply Header to Distribution Manifold.					
 Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method
BOP-RT-05-115	530-550	P	0.216"	0.101"	0.173"	80%	RT

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	C-381-358 Sheet 5		SW- Return from Spent Fuel Pit Heat Exchanger.								
*****	Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method			
	BOP-UT-05-045	2410-2420	E	0.280"	0.137"	0.216"	77%	UT			
	C-381-358 Shee	et 6	SW-R	eturn from Spen	t Fuel Pit	Heat Exchange	er.				
	Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method			
	BOP-RT-05-163 BOP-RT-05-164 BOP-RT-05-165 BOP-RT-05-166	500-510 510-520 520-540 540-550	P E E N	0.280" 0.280" 0.280" 0.280"	0.137" 0.137" 0.137" 0.137"	0.208" 0.225" 0.247" 0.224"	74% 80% 88% 80%	RT RT RT RT			
	C-381-358 Shee	et 7	SW- R	SW- Return from Penetration Cooling Coil Plenum.							
	Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method			
	BOP-RT-05-117	1380-1400	т	0.216"	0.101"	0.182"	84%	RT			
	C-381-358 Sho		SW- Intermediate Bldg. AboveEI.253'-6" from Pen. 308,315 & 323 to Col. 7								
	0-501-550 51160	et 9	Sw-In	termediate Bldg	. AboveEl	.255 -6 Irolli P	en. 300,315 & 32	3 to Col. 7			
	Report Number	Component ID (NODE)	Type	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method			
	Report Number BOP-UT-05-188 BOP-UT-05-177 UT	Component ID (NODE) 380 1830-1860	Type P P	Nominal Wall 0.375" 0.322"	T-Min. Value 0.200" 0.161"	.253 -6 from P Minimum Reading 0.269" 0.257"	Percent Nominal 72% 80%	NDE Method UT			
	Report Number BOP-UT-05-188 BOP-UT-05-177 UT C-381-358 Shee	Component ID (NODE) 380 1830-1860	SW- In Type P P SW- In	Nominal Wall 0.375" 0.322" t. Bldg. Above 2	T-Min. Value 0.200" 0.161"	Minimum Reading 0.269" 0.257" Column 7 to Ch	Percent Nominal 72% 80%	NDE Method UT			
	Report Number BOP-UT-05-188 BOP-UT-05-177 UT C-381-358 Shee Report Number	Component ID (NODE) 380 1830-1860 et 10 Component ID (NODE)	SW-In Type P P SW-In Type	Nominal Wall 0.375" 0.322" t. Bldg. Above 2 Nominal Wall	T-Min. Value 0.200" 0.161" 53"-6" fr (T-Min. Value	Minimum Reading 0.269" 0.257" Column 7 to Ch Minimum Reading	Percent Nominal 72% 80% Ailler 1A & 1B. Percent Nominal	NDE Method UT NDE NDE Method			
	Report Number BOP-UT-05-188 BOP-UT-05-177 UT C-381-358 Shee Report Number BOP-UT-05-039	Component ID (NODE) 380 1830-1860 et 10 Component ID (NODE) 1130-1140	SW-In Type P P SW-In Type E	termediate Bidg Nominal Wall 0.375" 0.322" t. Bidg. Above 2 Nominal Wall 0.237"	T-Min. Value 0.200" 0.161" 53"-6" fr (T-Min. Value 0.113"	Minimum Reading 0.269" 0.257" Column 7 to Ch Minimum Reading 0.162"	Percent Nominal 72% 80% ailler 1A & 1B. Percent Nominal 68%	NDE Method UT NDE Method UT			
	Report Number BOP-UT-05-188 BOP-UT-05-177 UT C-381-358 Shee Report Number BOP-UT-05-039 C-381-358 Shee	Component ID (NODE) 380 1830-1860 et 10 Component ID (NODE) 1130-1140 et 11	SW- In Type P SW- In Type E SW- In	termediate Bidg Nominal Wall 0.375" 0.322" t. Bidg. Above 2 Nominal Wall 0.237" t. Bidg. Above 2	T-Min. Value 0.200" 0.161" 53"-6" fr (T-Min. Value 0.113"	Minimum Reading 0.269" 0.257" Column 7 to Ch Minimum Reading 0.162" Yalve 4624C to 1	Percent Nominal 72% 80% hiller 1A & 1B. Percent Nominal 68%	NDE Method UT NDE Method UT			
	Report Number BOP-UT-05-188 BOP-UT-05-177 UT C-381-358 Shee Report Number BOP-UT-05-039 C-381-358 Shee Report Number	Component ID (NODE) 380 1830-1860 et 10 Component ID (NODE) 1130-1140 et 11 Component ID (NODE)	SW- In Type P SW- In Type E SW- In Type	termediate Bidg Nominal Wall 0.375" 0.322" t. Bidg. Above 2 Nominal Wall 0.237" t. Bidg. Above 2 Nominal Wall	T-Min. Value 0.200" 0.161" 53"-6" fr C T-Min. Value 0.113" 53'-6" fr V T-Min. Value	Minimum Reading 0.269" 0.257" Column 7 to Ch Minimum Reading 0.162" Valve 4624C to Minimum Reading	Percent Nominal 72% 80% hiller 1A & 1B. Percent Nominal 68% 14" HDR. Percent Nominal	NDE Method UT NDE Method UT NDE Method			

Componen ID (NODE) 113 PEN201 4070 114 PEN209 3870 Sheet 13 Componen ID (NODE) 161 PEN316 3000 162 PEN316 3020	t Type D E SW-In t Type	Nominal Wall 0.154" 0.154" ntermediate Blo	T-Min. Value 0.072" 0.072" dg. Above 2	Minimum Reading 0.146" 0.134" 53'-6" from He	Percent Nominal 88% 87%	NDE Methoc RT				
113 PEN201 4076 114 PEN209 3876 Sheet 13 Componen ID (NODE) 161 PEN316 3006 162 PEN316 3026	D E SW-In t Type	0.154" 0.154" ntermediate Blo	0.072" 0.072" dg. Above 2	0.146" 0.134" 53'-6" from He	88% 87%	RT				
Sheet 13 Componen ID (NODE) 161 PEN316 3000 162 PEN316 3020	SW- In t Type	ntermediate Blo	dg. Above 2	53'-6" from He						
Componen ID (NODE) 161 PEN316 3000 162 PEN316 3020	t Type	Nominal	*****	SW- Intermediate Bldg. Above 253'-6" from Header to Pen. # 312, 316, 319,						
161 PEN316 3000 162 PEN316 3020		Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method				
) E) P	0.322" 0.322"	0.161" 0.161"	0.301" 0.242"	93% 75%	UT				
Sheet 14	SW- Ir	SW- Int. Bldg. above 253'-6" – 16" & 20" Headers								
Componen ID (NODE)	t Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method				
384 4510-4520	Ρ	0.237"	0.142"	0.218"	92%	UT				
Sheet 15	SW- Ir	SW- Int. Bldg. above 253'-6" from 14" HDR to Chillers 1A & 1B.								
Componen ID (NODE)	t Type	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method				
118 1830-1870	Ρ	0.216"	0.101"	0.111"	51%	RT				
Sheet 16	SW- Iı	SW- Int. Bldg. from 14" Header to PEN 201 & 209								
Componen ID (NODE)	t Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method				
112 PEN201 257 111 PEN209 237	0 E 0 E	0.154" 0.154"	0.072" 0.072"	0.148" 0.133"	> 88% > 88%	RT RT				
Sheet 17	SW- F	SW- From Main 20" Header to M.D. Aux. FW pumps 1A & 1B								
Componen ID (NODE)	t Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Methor				
	E P P P	0.237" 0.237" 0.237" 0.237" 0.237" 0.237"	0.142" 0.142" 0.142" 0.142" 0.142"	0.225" 0.25" 0.23" 0.239" 0.241"	> 88% > 88% > 88% > 88% > 88%	RT RT RT RT RT				
	Componen ID (NODE) 78 275 D/S 79 500 U/S 80 495-490 81 500-505 82 505-515	Component ID (NODE) Type 78 275 D/S E 79 500 U/S P 80 495-490 P 81 500-505 P 82 505-515 P	Component ID (NODE)TypeNominal Wall78275 D/SE0.237"79500 U/SP0.237"80495-490P0.237"81500-505P0.237"82505-515P0.237"	Component ID (NODE)TypeNominal WallT-Min. Value78275 D/SE0.237"0.142"79500 U/SP0.237"0.142"80495-490P0.237"0.142"81500-505P0.237"0.142"82505-515P0.237"0.142"	Component ID (NODE)TypeNominal WallT-Min. ValueMinimum Reading78275 D/SE0.237"0.142"0.225"79500 U/SP0.237"0.142"0.25"80495-490P0.237"0.142"0.23"81500-505P0.237"0.142"0.239"82505-515P0.237"0.142"0.241"	Component ID (NODE) Type Wall Nominal Value T-Min. Reading Minimum Reading Percent Nominal 78 275 D/S E 0.237" 0.142" 0.225" > 88% 79 500 U/S P 0.237" 0.142" 0.25" > 88% 80 495-490 P 0.237" 0.142" 0.23" > 88% 81 500-505 P 0.237" 0.142" 0.239" > 88% 82 505-515 P 0.237" 0.142" 0.241" > 88%				

C-381-358 Shee	et 26	SW to Containment Recirculation Cooling Units (1A & 1B) Motors							
Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method		
BOP-RT-05-471	1950-2300	P	0.154"	0.072"	0.174"	> 88%	RT		
C-381-358 Shee	Station Service Water from Pen. 209 to Reactor Cavity Cooler								
Report	Component	Туре	Nominal	T-Min.	Minimum	Percent	NDE		
Number	ID (NODE)		Wall	Value	Reading	Nominal	Method		
BOP-RT-05-472	10-20	Р	0.203"	0.094"	0.132"	65%	RT		
BOP-RT-05-472	20-30	P	0.203"	0.094"	0.182"	> 88%	RT		
BOP-RT-05-472	30-40	P	0.203"	0.094"	0.177"	87%	RT		
BOP-RT-05-472	40-50	P	0.203"	0.094"	0.189"	> 88%	RT		
BOP-RT-05-472	50-80	Р	0.203"	0.094"	0.183"	> 88%	RT		
C-381-358 Shee	et 34	"A" & "B" Service Water Pumps in Screen House							
Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Method		
BOP-UT-05-055	2580-2590	E	0.375"	0.200"	0.310"	83%	UT		
BOP-UT-05-056	2060-2080	E	0.375"	0.161"	0.270"	72%	UT		
C-381-024 Shee	et 1	SW-SUCTION LINE LOOP B TO AUX FW PUMP							
Report Number	Component ID (NODE)	Туре	Nominal Wall	T-Min. Value	Minimum Reading	Percent Nominal	NDE Methoc		
BOP-RT-05-116	60-90	Ε	0.237"	0.113"	0.130"	55%	UT		
C-381-024 Shee	et 3	SW-SI	JCTION LINE L	.00P B TO /	AUX FW PUMP				
Report	Component	Type	Nominal	T-Min.	Minimum	Percent	NDE		
Number	ID (NODE)		Wall	Value	Reading	Nominal	Method		
BOP-RT-05-120	960-2960	Е	0.237"	0.113"	0.205"	> 88%	UT		