

Niagara Mohawk Power Corporation 300 Erie Boulevard West Syracuse, New York 13202

SECOND INSERVICE INSPECTION INTERVAL

THIRD INSPECTION PERIOD

FIFTEENTH REFUELING (RFO-15) OUTAGE

1999 SUMMARY REPORT

Prepared For

Nine Mile Point Nuclear Power Station Unit 1
P.O. Box 63
Lycoming, New York 13093

Commercial Service Date:

December 26, 1969

NRC Docket Number:

50-220

Document Number:

NMP1-ISI-99-05

Revision Number: 0

Date: September 10, 1999

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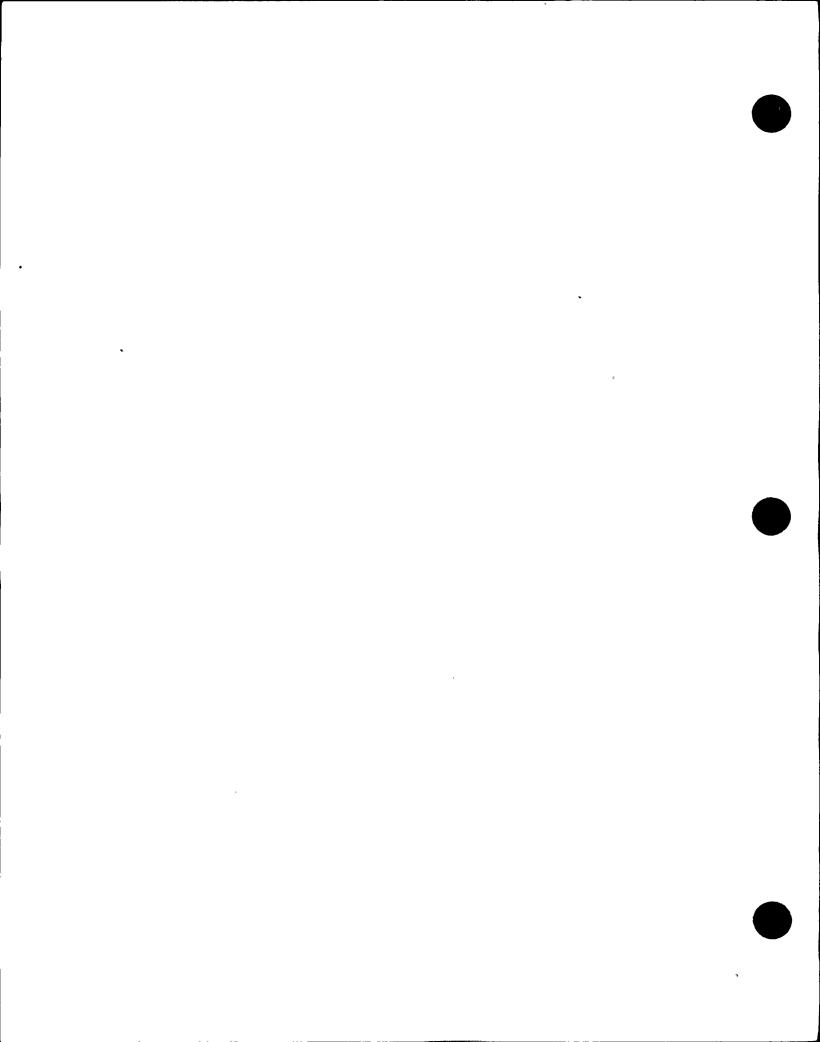
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ABSTRACT

This report summarizes the Niagara Mohawk Power Corporation (NMPC), Nine Mile Point Nuclear Power Station, Unit 1, 1999 Inservice Examinations performed during RFO-15, the period of April 6, 1999 through June 16, 1999.

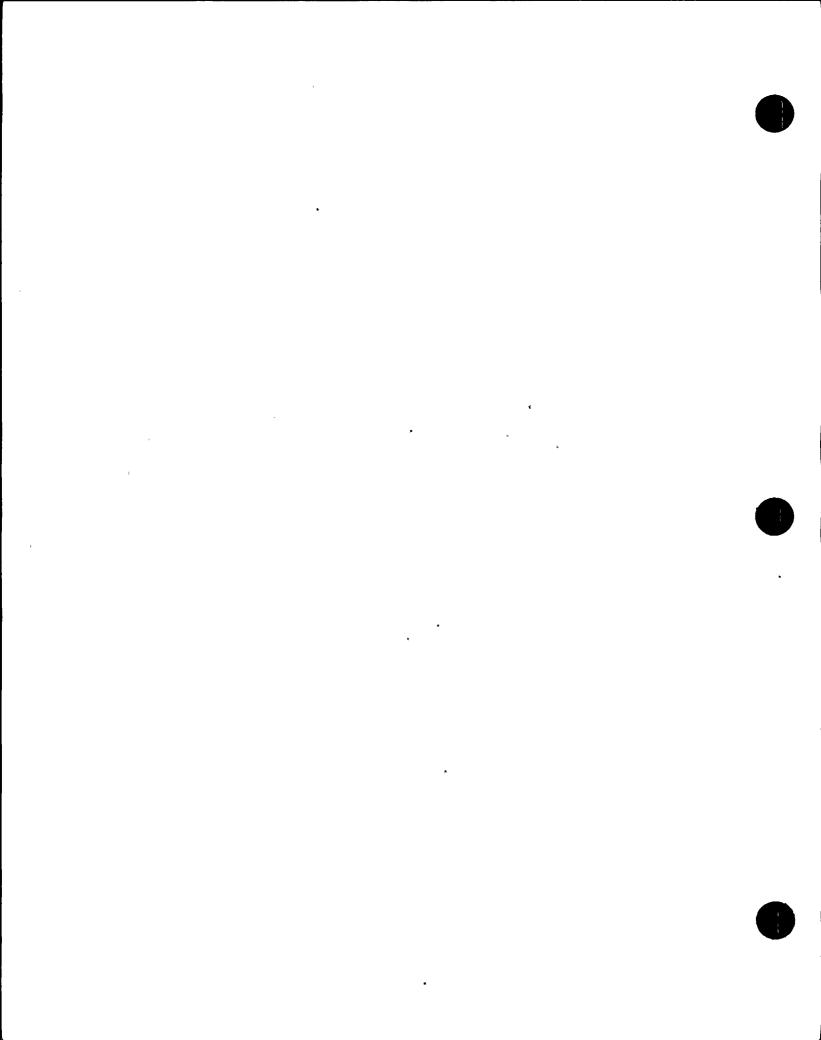
This Inservice Inspection Summary Report complies with the American Society of Mechanical Engineers, Boiler and Pressure Vessel Code, Section XI, 1983 Edition, through the Summer 1983 Addenda, Article IWA-6000, paragraph IWA-6220.

This report provides a summary of the examinations, tests, repairs and replacements performed, conditions noted and corrective actions taken or recommended as documented on the Owners' Report for Inservice Inspection, Form NIS-1, and Owners' Report for Repairs or Replacements, Form NIS-2, included.

This report also summarizes the Augmented examinations performed during the outage activity.

The 1999 Inservice Inspection Summary Report constitutes the Fifteenth Outage (RFO-15) since commercial operation, and the second and last outage of the Third Inspection Period (from September 26, 1995 to December 25, 1999). With the five exceptions noted herein, this report also provides the close-out of the Second Ten Year Inservice Inspection Interval (from June 26, 1986 to December 25, 1999) of Commercial Service.







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ABSTRACT OF EXAMINATIONS

During the 1999 refueling outage, Niagara Mohawk Power Corporation (NMPC) conducted nondestructive examinations of selected components at Nine Mile Point Nuclear Power Station Unit 1 (NMP1). The nondestructive examinations were performed during the period from April 6, 1999 through June 16, 1999. The inservice examinations constitute the Second outage of the Third Inspection Period and the last Outage (RFO-15) of the Second 10-Year Inservice Inspection Interval of Commercial Operation.

This summary report covers inservice inspection activities which have occurred since the preceding summary report of the last outage (RFO-14), which ended on May 10, 1997, and with the five exceptions noted herein, constitutes a close-out of the Nine Mile Point Unit 1 Second Ten-Year Inservice Inspection Interval, which ends on December 25, 1999.

NDE EXAMINATIONS - Approximately twelve hundred and fifty (1250) examination items were performed by Niagara Mohawk Power Corporation and approved nondestructive examination (NDE) vendors (General Electric (GE), Framatome (FTI)) during the third inspection period, which was comprised of RFO-14 and RFO 15. Nondestructive examinations included the automated and manual ultrasonic, radiographic, liquid penetrant, magnetic particle, and visual examination techniques of selected components, systems, and their supports. Appendix B and C (attached), provides a listing of examinations performed during the 1999 outage. The Inservice examinations were performed in accordance with the Ten-Year Inservice Inspection Program Plan and Schedules identified within Document NMP1-ISI-002 and NMP1-IWF-003, respectively.



CODE CLASS 1 EXAMINATIONS

During the inservice examination period, NMPC performed four hundred and ninety-six (496) examinations of Code Class 1 items. These examinations included those remaining items required for close-out of the second inservice inspection interval. Appendix B provides a listing of those items examined during this outage for which Code credit is being applied.

CODE CLASS 2 EXAMINATIONS

During the inservice examination period, NMPC performed eighty (80) examinations of Code Class 2 items. These examinations included those remaining items required for close-out of the second inservice inspection interval. Appendix B provides a listing of those items examined during this outage for which Code credit is being applied.

CODE CLASS 3 EXAMINATIONS

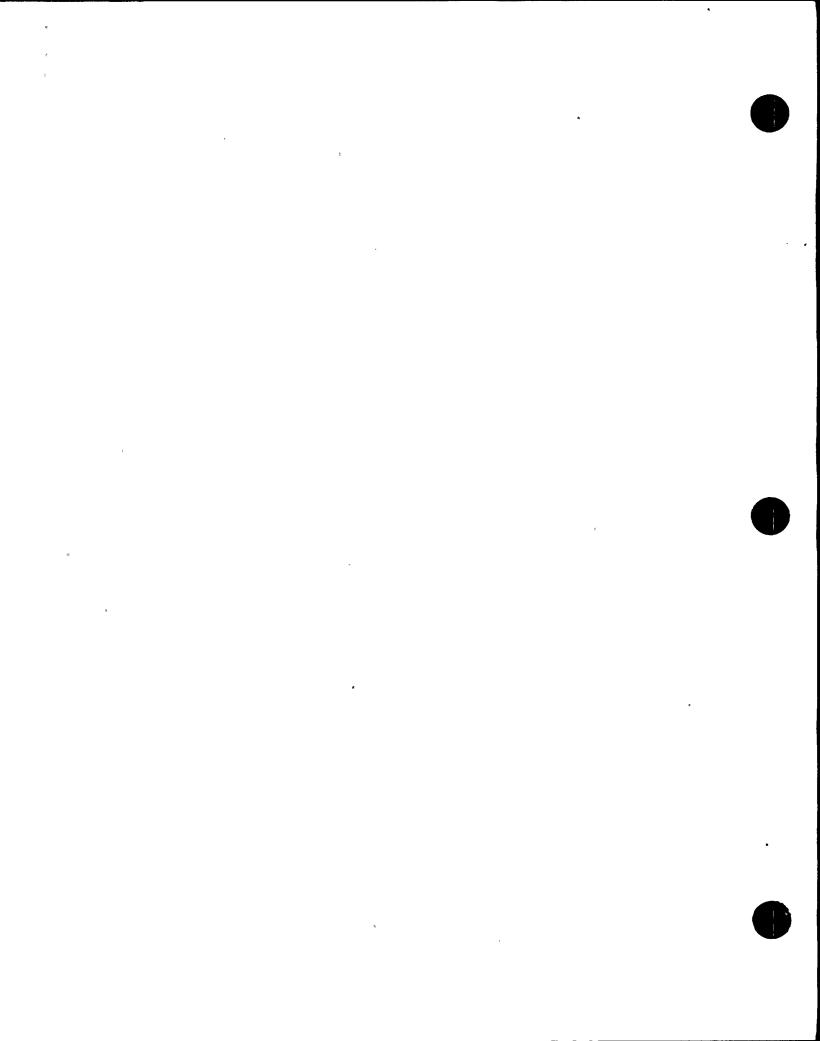
During the inservice examination period, NMPC performed eighty-four (84) examinations of Code Class 3 items. Examinations included those remaining items required for close-out of the second inservice inspection interval. Appendix B provides a listing of those items examined during this outage for which Code credit is being applied. ASME Code Case N-509 was implemented during the third inspection period.

CODE CLASS 1, 2 and 3 COMPONENT SUPPORTS

During the inservice examination period, NMPC performed three hundred and forty three (343) examinations of Code Class 1, 2 and 3 component supports. These examinations included those remaining supports for close-out of the second inservice inspection interval. Appendix B provides a listing of those supports examined during this outage for which Code credit is being applied. ASME Code Case N-491-1 was implemented for the third inspection period only.



There are a total of twelve hundred and twenty (1,220) supports subject to examination and eleven hundred and forty-seven (1147) have been completed during the interval. In accordance with the Code Case, the number of supports required for the third period is sixty-nine (69).





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CLASS 1, 2 AND 3 VISUAL VT-2 EXAMINATIONS

For ASME Class 1, an ASME XI VT-2 examination was performed on the pressure retaining components in the reactor coolant pressure boundary during a system leakage test conducted at the conclusion of RFO-15 to satisfy Examination Category B-P Code requirements. A portion of the Class 1 Core Spray System, between the isolation valves, was pressure tested as a separate section apart from the RPV System Leakage Test. Code Case N-498-1 was utilized as an alternative to the 10-year system hydrostatic test required by Table IWB-2500-1, Category B-P. The boundary subjected to test pressurization extended to all Class 1 pressure retaining components within the system boundary.

For ASME Class 2 & 3, the pressure tests required to satisfy the Third Period examination requirements for Examination Categories C-H, D-A, D-B, D-C have been conducted with the following tests remaining to be performed by 12/25/99, the end of the Third Period:

- Emergency Condenser Vent to Torus
- Shutdown Cooling Keepfill Root Valves (Core Spray)
- Atmospheric/Containment Vacuum Relief (remaining portion)
- Reactor Water Cleanup Vent to Torus
- Emergency Condenser Keepfill



Appendices B and C provides a listing of those items examined during this outage for which Code credit is being applied.

AUGMENTED EXAMINATIONS

During the inservice examination period, NMPC performed Augmented examinations of selected components, systems and items. Examinations included those remaining items required for compliance with NMPC commitments based on regulatory, industry and internal commitments other than those required by the ASME Code, Section XI. Appendix C provides a listing of those items examined during this outage for which compliance with the Augmented examination requirements have been satisfied.

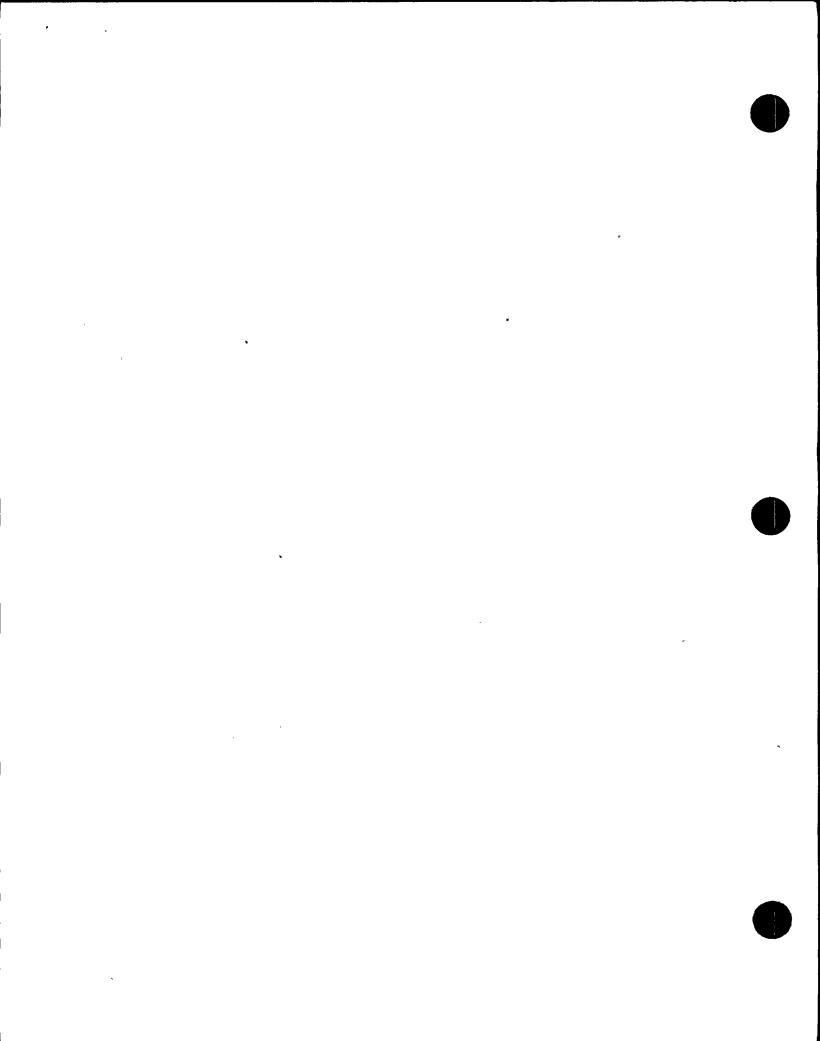
GENERIC LETTER 88-01 EXAMINATIONS

During the examination period, NMPC performed two hundred and nineteen (219) examinations of IGSCC Categories A, D, G, and S items in accordance with the USNRC Generic Letter 88-01. The table below provides the status of GL 88-01 examinations for the interval. Appendix C provides a listing of those items examined during this outage activity.

IGSCC Category	Total Items	Number Required Interval	Number Complete Interval	Percent (%) Complete
Α	146	37	99	100%
D	153	318	318	100%
G	40	43	43	100%
S	6	13	13	100%
Totals Overall	345	411	473	100%



CORE SHROUD INSPECTIONS - During the examination period, NMPC performed shroud inspection coverage consistent with the inspection plan. The ring segment welds were inspected, as were the vertical welds. The results of





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these inspections were documented in the Core Shroud Inspection Summary Report, Document.NER-1-0-022, Revision 0, that was previously submitted to the NRC.

INSERVICE CONTAINMENT INSPECTIONS (IWE) - NMPC initiated IWE examinations during RFO-15 of the general condition of the torus internal pressure retaining components at or below the waterline. The results of these inspections were documented in the RFO-15 TORUS INSPECTION PLAN, Document NER-1S-025, Revision 1, and is provided in Appendix D, attached.

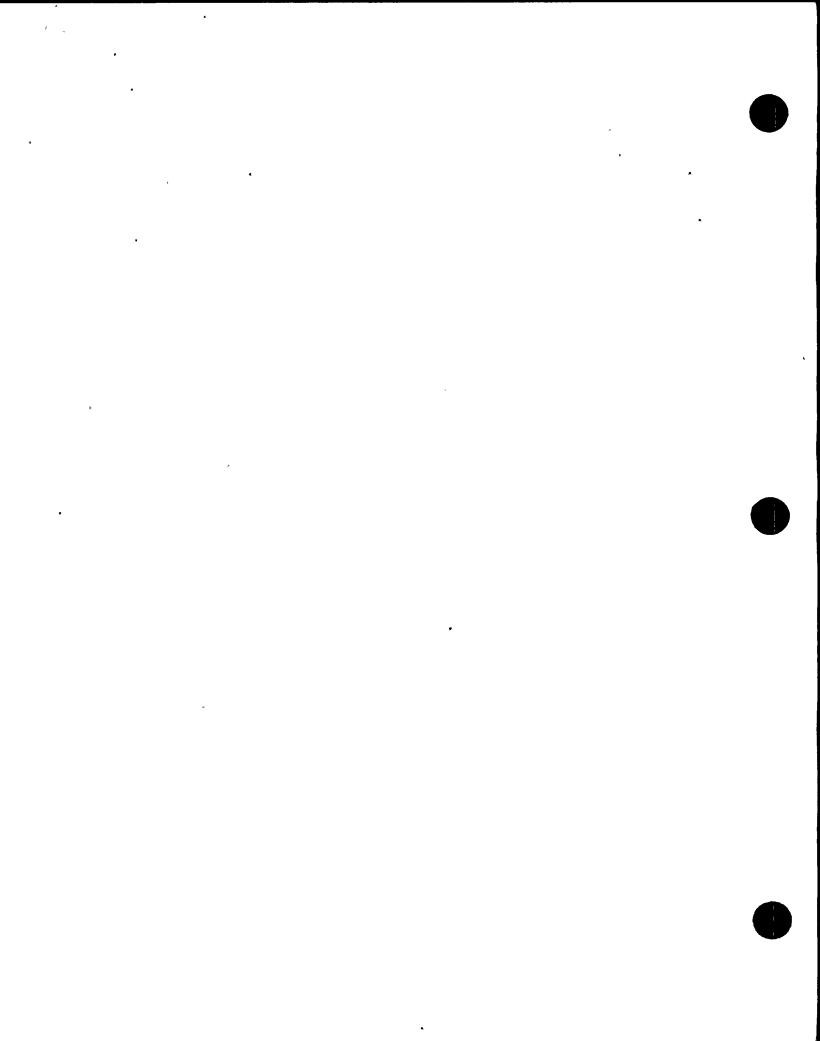
STATUS OF WORK REQUIRED FOR THE CURRENT INTERVAL - The status of work required for the Second Ten Year Inservice Inspection Interval is defined on the attached Table, Titled "Inspection Program "B" Compliance". This Table provides such information as Examination Category, Total Items Subject to Examination, Total Examinations Scheduled for the Interval, Total Examinations Scheduled for the Period, Total Examinations credited and the percentage credited for the Interval. Nine Mile Point Unit 1 is in the Third Inservice Inspection Period, therefore, the examinations performed during this period must fall within the percentages identified in IWB-2412-1, IWC-2412-1 and IWD-2412-1 of Inspection Program "B" (100%).

Niagara Mohawk Power Corporation does not anticipate that any remaining items will be required for close-out of the Second Ten-Year Inservice Inspection Interval with the exception of the five (5) areas addressed in the Class 1, 2, and 3 visual VT-2 examinations identified above. In case items are identified during review and close-out of the interval, examinations will be considered for completion during the planned forced outage currently scheduled for December 1999.



INSPECTION PROGRAM "B" COMPLIANCE

Bandadata :			X1778431.0534	4000 ACC 1100 ACC	
CODE EXAMINATION	SUBJECT TO	TOTAL EXAMINATIONS	TOTAL EXAMINATIONS	TOTAL EXAMINATIONS	EXCLUSIONS, OR
CATEGORY	EXAMINATION	SCHEDULED FOR INTERVAL		CREDITED %	DEFERRALS
B-A	44	22	15	100%	
B-D	80	80	33	100%	
В-Е	193	48		100%	
B-F	48	48	24	100%	
B-G-1	418	392	185	100%	•
B-G-2	238	205	72	100%	
В•Н	7	6	· з	100%	CC N-509
В-Ј	918	341	^ 74	100%	
B-L-1	This Category is not	applicable to Nine Mile Po	nt Unit 1	· ·	
B-L-2	5	1	0	100%	
B-M-1	6	1	1	100%	
B-M-2	75	34	2	100%	
B-N-1	5	15	5	100%	
B-N-2	48	48	42	100%	





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CODE EXAMINATION CATEGORY	TOTAL ITEMS SUBJECT TO EXAMINATION	TOTAL EXAMINATIONS SCHEDULED FOR INTERVAL	TOTAL EXAMINATIONS SCHEDULED FOR THIS PERIOD	TOTAL EXAMINATIONS CREDITED % FOR INTERVAL	EXCLUSIONS, OR DEFERRALS		
B-N-3	Removable Core Supp	ort Structure is not applic	able to Nine Mile Point Ur	nit 1			
B-O	8	8	44	100%			
C-A	, 18	5	3	100%			
C-B	18	5	4	100%			
c-c	167	107	33	100%	CC N-509		
C-F-1	206	122	10	100%	CC N-408		
C-F-2	773	85	26	100%	CC N-408		
c-G	80	10	5	100%	<u> </u>		
D-A	18	5	2	100%	CC N-509		
D-B	This Category is not applicable to Nine Mile Point Unit 1						
D-C	162	156	82	100%	CC N-509		
F-A	1220_	1147	343	100%	CC N-491-1		

ABSTRACT OF CONDITIONS NOTED.

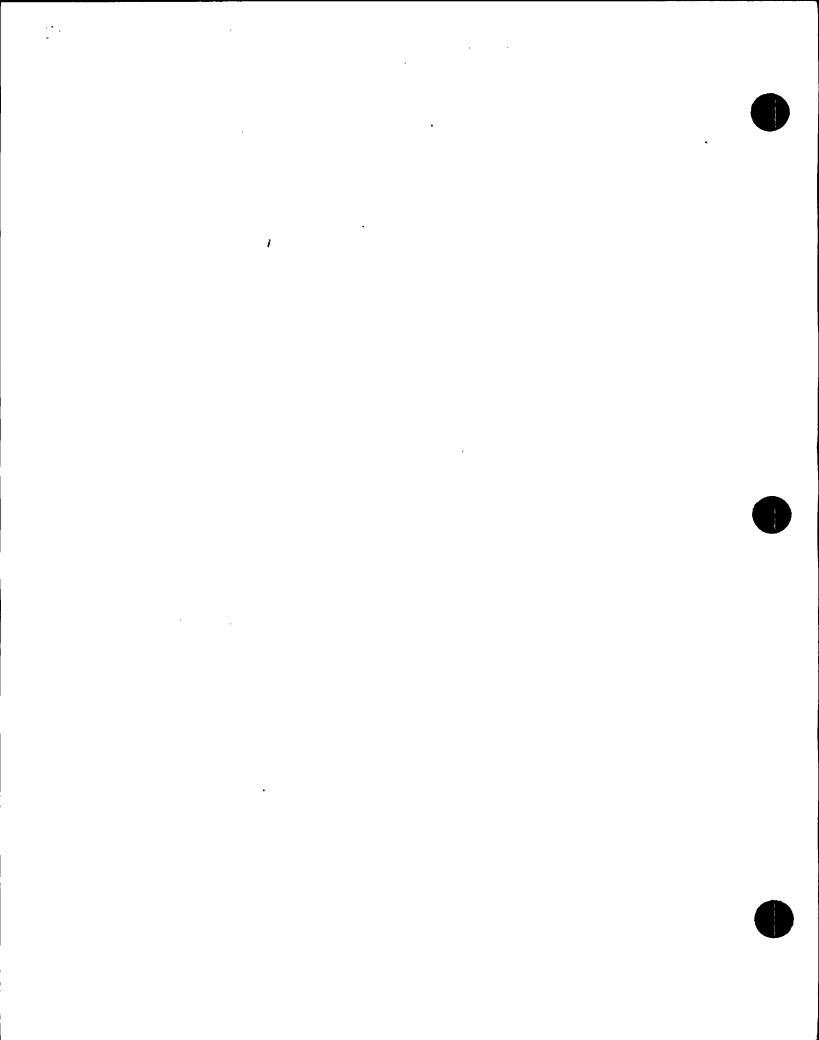
All indications/conditions identified during the conduct of inservice examination activities were documented in accordance with the applicable NMPC NDE Examination procedure and/or NMPC approved vender NDE Procedures, applicable to the examination being performed. Results of NDE examinations were compared against the acceptance criteria of Section XI.

Components whose examination either confirms the absence of indications/conditions or reveals indications/conditions that did not exceed the acceptance criteria of Section XI, were considered acceptable for continued service.

SURFACE EXAMINATIONS - During conduct of the liquid penetrant and magnetic particle examinations, several indications were observed. Indications observed are summarized as follows: (1) 44.1-H1-WD-001 - identified an undersized fillet welds on attachment; (2) 80-WD-195 - identified a linear indication; (3) Several Closure Head Studs and Nuts - identified surface indication; (4) 32-WD-057 identified 4 rounded indications, determined to be acceptable; (5) 33-03-WD-001 - identified three linear indications, determined to be acceptable; (6) 80-WD-195 - identified a linear indication, determined to be a surface anomaly; (7) 39-WD-100 - identified five linear and six rounded indications, all determined to be acceptable.

VISUAL EXAMINATIONS - During the performance of the Visual VT-1, VT-2 and VT-3/VT-4 examinations, several observations were identified. Conditions observed are summarized as follows: (1) Mechanical Snubber 44.2-MS-5 - identified clamp ears on bottom side of the pipe were bent; (2) Turbine By-Pass valve manifold 03-1 - identified 5 of 8 nuts on studs holding channel iron to concrete having incomplete thread engagement. (3) Closure Head washers - identified light general surface corrosion, minor nicks and scores; (4) 44.2-MS-1 - lacks washers on snubber paddle to clamp load stud, acceptable.

One through-wall leakage was identified during the performance of the initial Class 1 VT-2 examination conducted to satisfy Pressure Test Program requirements. Non-through-wall leakages from valve packing, pump seals, flanges, CRD





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stub tubes, etc. were identified on the VT-2 Examination Report and evaluated based on their individual significance and importance to safety.

ULTRASONIC EXAMINATIONS - During the conduct of manual/automated ultrasonic examination and radiographic examination techniques several indications were observed. Indications observed are summarized as follows: (1) 33-WD-005 - a min wall violation, determined to be acceptable as-is; (2) 32-WD-168 - identified a planar indication, which exceeded the criteria of Table IWB-3514-2; (3) RT indication on 81-WD-059 - identified a surface indication that exceeded the acceptance criteria of IWB-3514-4; (4) 32-WD-126 - identified a planar indication that exceeded the acceptance criteria of IWB-3514-2; (5) 39-WD-100 - identified 5 linear and 6 rounded indication, all determined to be acceptable; (6) 32-WD-046 - identified a planar indication that exceeded the acceptance criteria of IWB-3514-2; (7) vertical weld V12 - identified a small OD crack, vertical weld V04 observed the same flaw as previously identified, vertical weld V9 and V10 showed evidence of crack growth; (8) 32-WD-041 - identified a surface planar flaw, and determined to be acceptable per IWB-3514.3; (9) 32-WD-086 - identified a surface planar flaw, which exceeded the criteria of IWB-3514-2; (10) 32-WD-004 - identified subsurface planar indication, determined to be acceptable per Table IWB-3514-2; (11) RV-WD-140 - identified two subsurface flaws that exceeded the acceptance criteria of Table IWB-3510-1; (13) RV-WD-099 - identified seven subsurface flaws that exceeded the acceptance criteria of Table IWB-3510-1.



GEOMETRIC REFLECTORS - Numerous geometric reflectors were noted during the ultrasonic examination activity. These geometric reflectors were determined to be caused by a number conditions, such as, beam redirection, configuration of the part or parts being joined, pronounced root, backing bars, counterbores and reflectors from the inside and outside diameter surface. No corrective actions required.

NOTE: Appendices B and C provides a listing of examinations performed.

Components whose examination reveals indications/conditions that exceeded the acceptance criteria of Section XI were documented on applicable examination records as prescribed in the NDE procedure and submitted under a Deviation/Event Report (DER) to NMPC Engineering for evaluation and disposition. Appendices B and C provides the identification of the specific DER applicable to the examination item.

IWB-2420 EXAMINATIONS - In accordance with IWB-2420(b) and USNRC Generic Letter 88-01, Weld 32-WD-050 was re-examined this outage by the ultrasonic examination method and was determined to be acceptable by evaluation per IWB-3122.4.

PREVIOUS EXAMINATIONS - Indications and/or conditions that exceeded the acceptance criteria were compared against the preservice and previous examination documentation where available.

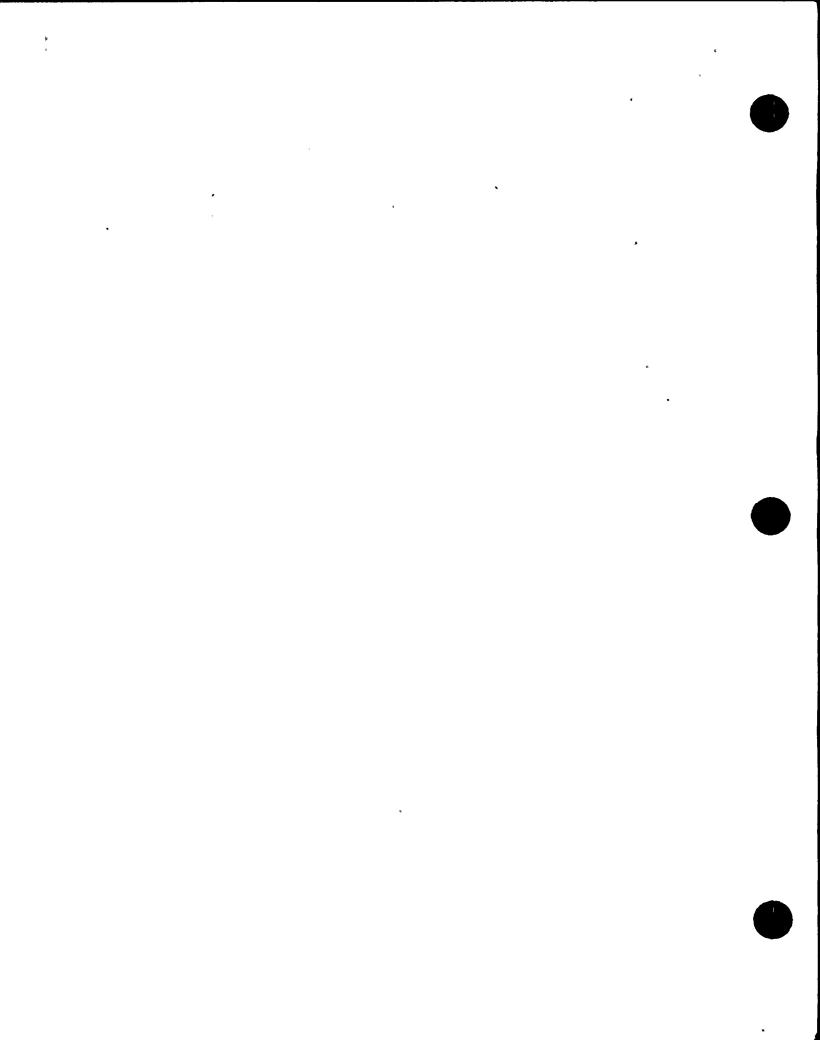
NIS-2 DATA REPORTS - Code maintenance, modifications and corrective actions conducted under NMP1's ASME Section XI Repair/Replacement Program during the fifteenth fuel cycle have resulted in 67 Class 1, 26 Class 2, 9 Class 3 and 12 Class MC NIS-2 data reports. Two corrected Class 1 NIS-2 Reports are also included from 1993. They have been signed by a duly authorized representative of our Authorized Inspection Agency and are enclosed.

ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN.

Recorded indications and/or conditions noted were compared against the acceptance standards of the ASME Boiler and Pressure Vessel Code, Section XI (where acceptance criteria exists).



Indications exceeding the acceptance criteria were submitted to the NMPC Engineering for evaluation, disposition and corrective action in accordance with plant procedures.





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SURFACE INDICATIONS - Surface indications that were determined to exceed the acceptance criteria are summarized as follows: (1) 44.1-H1-WD-001 - undersized fillet welds on attachment was repaired by weld build up of the fillet, re-examined and found acceptable. No expansion was performed; (2) 80-WD-195 - identified a linear indication that exceeded the acceptance criteria. The indication could not be observed by the ultrasonic examination method. The indication was determined to be a construction defect, and was removed by grinding, re-examined per 1-4.00-99-0171 and determined to be acceptable; (3) Closure head studs and nuts - identified surface indications determined to be non-relevant and caused by handling and scoring of the parkerization coating, no corrective action required.

VISUAL OBSERVATIONS - Visual observations were corrected and or found to be acceptable by engineering evaluation. Conditions observed are as follows: (1) 44.2-MS-5 - Mechanical snubber clamp ears bent, determined to be acceptable as-is; (2) Turbine By-Pass valve manifold 03-1 - identified 5 of 8 nuts on studs holding channel iron to concrete having incomplete thread engagement, determined to be acceptable by engineering evaluation. No corrective action required. No expansion was required.

VT-2 examination identified excessive leakage from the Reactor Vessel Drain Line. A 3/4" long circ split in the pipe was located. The deficient pipe segment was cut out and replaced. Extent of condition exams for other socket welds was performed with no other defects identified. The piping segment was replaced and a satisfactory VT-2 exam of the Class 1 pressure boundary was completed. The preliminary failure mechanism as determined by the outside laboratory is transgrannular fatigue cracking. Non-through-wall visual observations were evaluated and either corrected or determined to be acceptable by procedural guidance or an engineering evaluation.

ULTRASONIC INDICATIONS - All indications were compared against the acceptance criteria of Section XI, and submitted to Nuclear Engineering for evaluation and disposition as follows: (1) 33-WD-005 - The minimum wall thickness of 0.330 (in) was determined by engineering evaluation to meet the design basis requirements, and was acceptable as-is; (2) 32-WD-168 - identified a planar indication, which exceeded the criteria of Table IWB-3514-2; (3) 32-WD-126 - identified a planar indication which exceeded the criteria of Table IWB-3514-2; (4) 32-WD-046 - identified a planar indication that exceeded the acceptance criteria of IWB-3514-2; (5) 32-WD-086 identified two surface planar indications that exceeded the acceptance criteria of IWB-3510-1; (7) RV-WD-140 - identified two subsurface flaws that exceeded the acceptance criteria of Table IWB-3510-1; (7) RV-WD-099 - identified seven subsurface flaws that exceeded the acceptance criteria of Table IWB-3510-1. An analytical evaluation in accordance with IWB-3600 was performed of all unacceptable indications and determined to be acceptable for continued service. All welds evaluated in accordance with IWB-3600 and qualified as acceptable for continued service shall be re-examined during the next three inspection periods as required by IWB-2420(b).

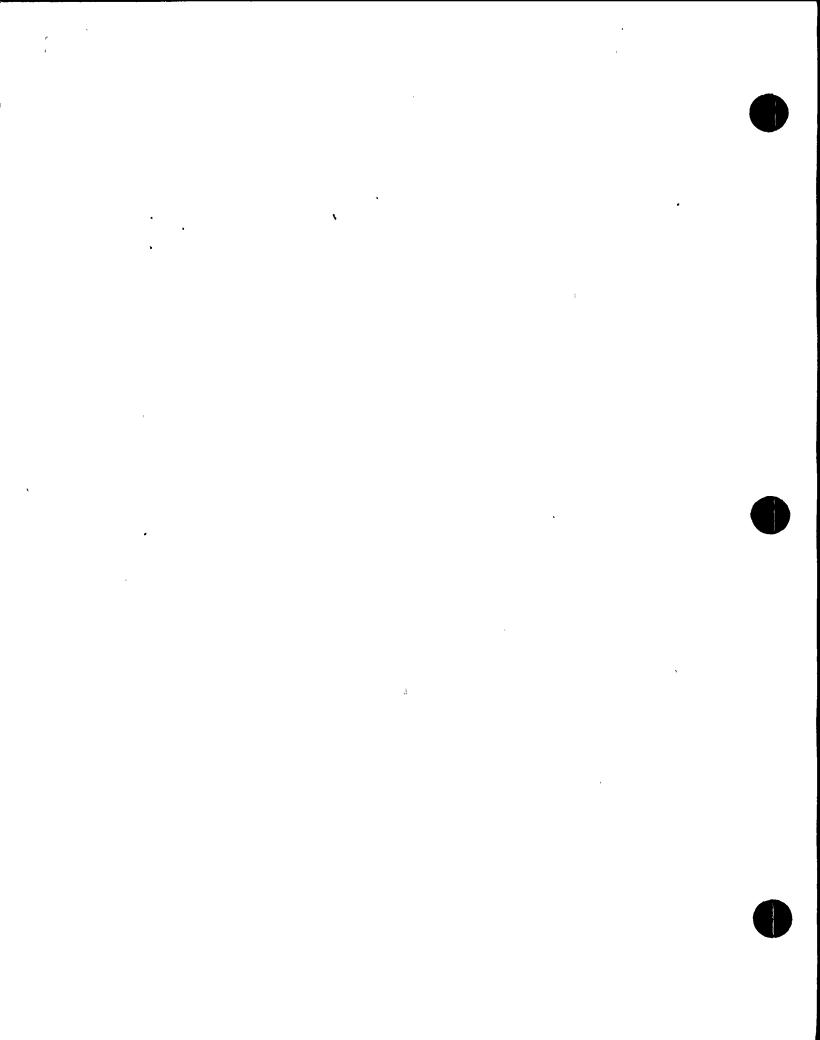
CORE SHROUD INSPECTIONS - Vertical welds V9 and V10 were repaired during the examination outage.

RADIOGRAPHIC INDICATIONS – The four (4) indications observed on weld 81-WD-059 was compared against the acceptance standards and determined to be unacceptable. Weld 81-WD-059 was identified outside of the Section XI boundary and as such were submitted to Nuclear Engineering for evaluation and disposition. NMPC evaluated the flaws in accordance with IWB-3600 and determined the flaw indications to be acceptable for service without removal, repair or replacement. Because these flaws were found outside a Section XI boundary, no expansion is required and submittal of the flaw evaluation per IWB-3600 for USNRC review and approval is also not required.

GEOMETRIC INDICATIONS - As a result of the geometric reflectors observed, no corrective action was required.

EXPANDED SAMPLES - Appendix C provided a listing of the expanded samples as a result of the unacceptable indications identified above. Due to the four unacceptable indications observed on System 32, Reactor Recirculation, NMPC expanded the sample size to 100% of the System 32 welds.







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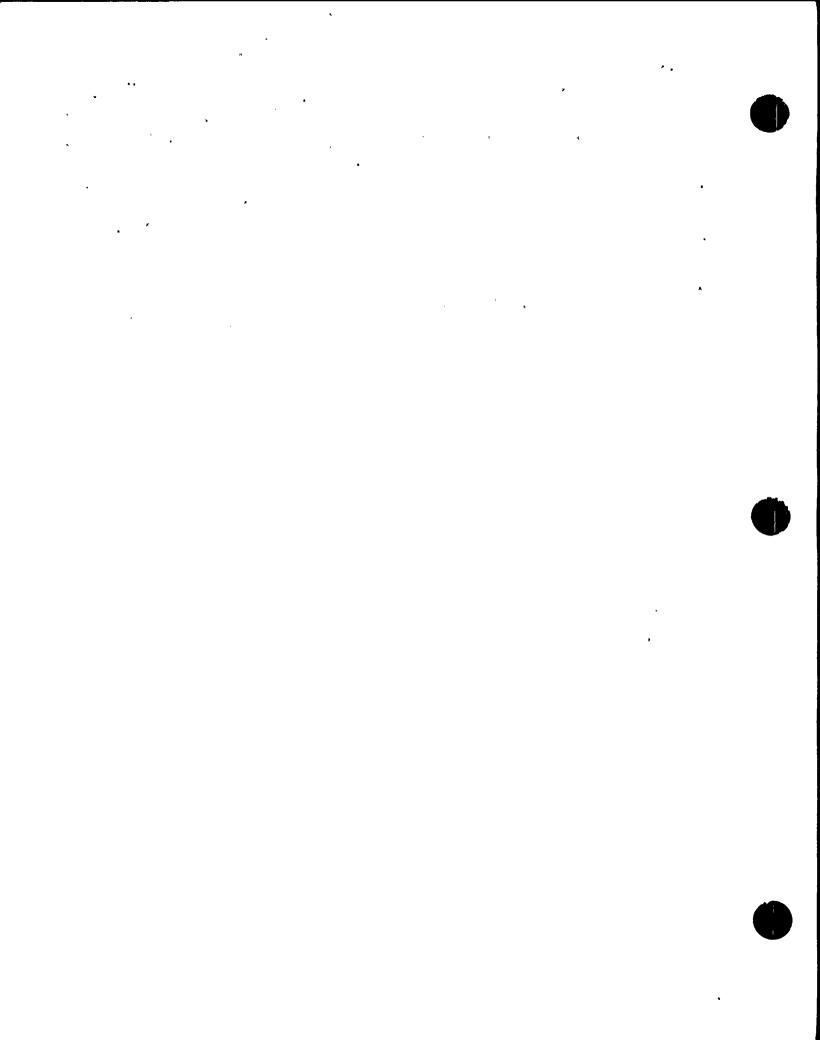
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APPENDIX A
Owners Data Report for Inservice Inspections Form NIS-1
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FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

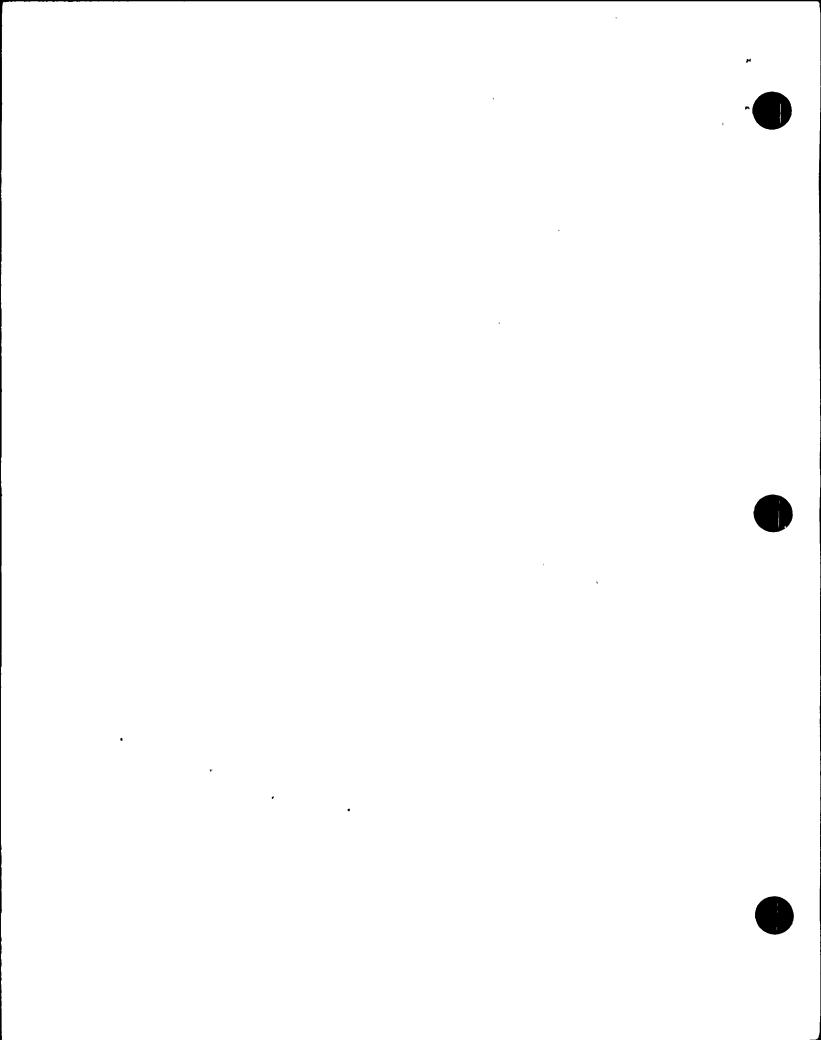
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1.	Owner Niagara Mohawk Power Corporation PO Box 63, Lycoming, NY 13093 (Name and Address of Owner)
2.	Plant Nine Mile Point Unit #1 PO Box 63, Lycoming, NY 13093 (Name and Address of Plant)
3.	Plant Unit #1 4. Owner Certificate of Authorization (if required) N/A
5.	Commercial Service Date Dec. 1969 6. National Board Number for Unit None

7. Components Inspected Please see attached Abstract of Examinations pages 1 - 12

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RPV & RPV Head	Combustion Engineering	CE64101	N/A	14893
01-102 (E)	Dresser Industries	01-102	N/A	N/A
32-190	Byron Jackson	32-190	N/A	N/A
32-191	Byron Jackson '	32-191	N/A	N/A
38-02	Crane-Chapman	38-02	N/A	N/A
38-12	Crane-Chapman	38-12	N/A	N/A
42.1-01	Rockwell International	42.1-01	N/A	N/A
44-189	Anchore Darling	44-189	N/A	N/A
44.3-12	Crane-Chapman	44.3-12	N/A	N/A
80+03	Worthington Pump -	80-03	N/A	N/A
80-13	Joseph Oat	80-13	N/A	N/A
81-03	Worthington Pump	81-03	N/A	N/A
01.0 Main Steam	M.W.Kellogg	01.0	N/A	N/A
02.0 Main Steam	M.W.Kellogg	02.0	N/A	N/A
03.0 Turbine Bypass	M.W.Kellogg	03.0	N/A	N/A
31.0 Feedwater	M.W.Kellogg	31.0	N/A	N/A
32.0 Reactor Recirculation	Newport News Industrial Corp.	32.0	N/A	N/A
33.0 Reactor Water	M.W.Kellogg	33.0	N/A	N/A
Cleanup 36.0 Reactor	M.W.Kellogg	36.0	N/A	N/A
Instrumentation 37.0/37.1 Reactor Vent &	M.W.Kellogg	37.0/37.1	N/A	N/A
Drain 38.0 Reactor Shutdown cooling	M.W.Kellogg	38.0	N/A	N/A

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8112 in. x 11 in., (2) information in items 1 through 6 on this data 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.





FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

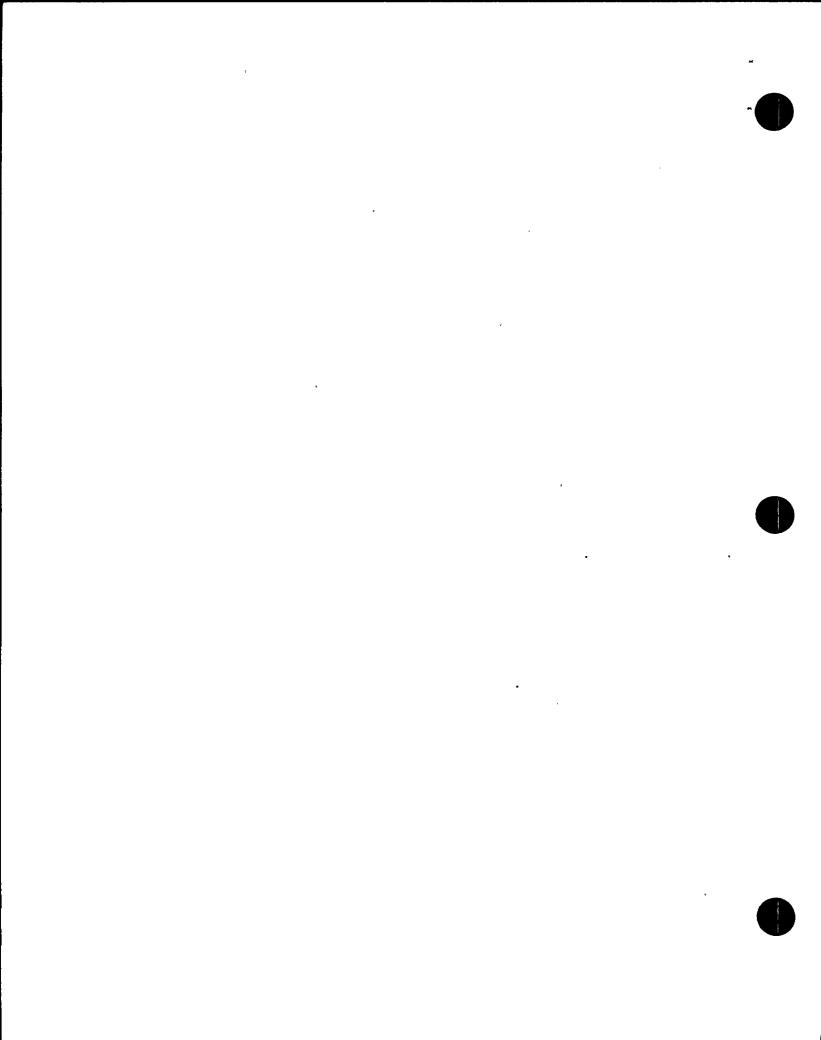
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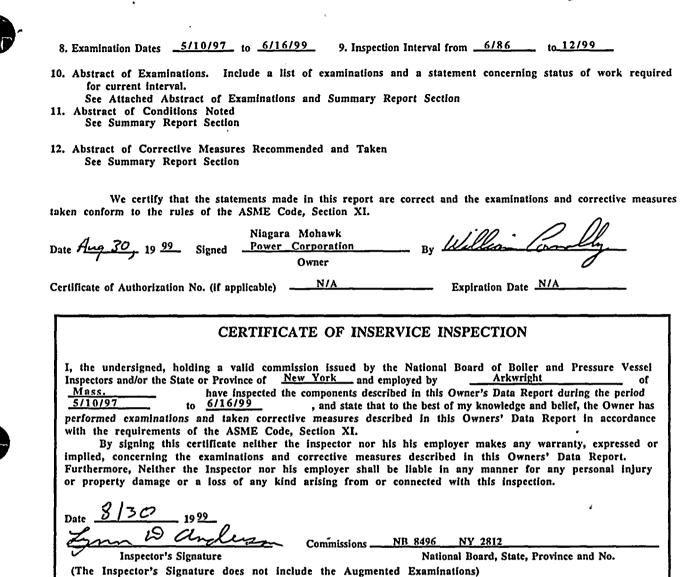
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3.	Plant Unit #1 4. Owner Certificate of Authorization (if required) N/A
5.	Commercial Service Date Dec. 1969 6. National Board Number for Unit None

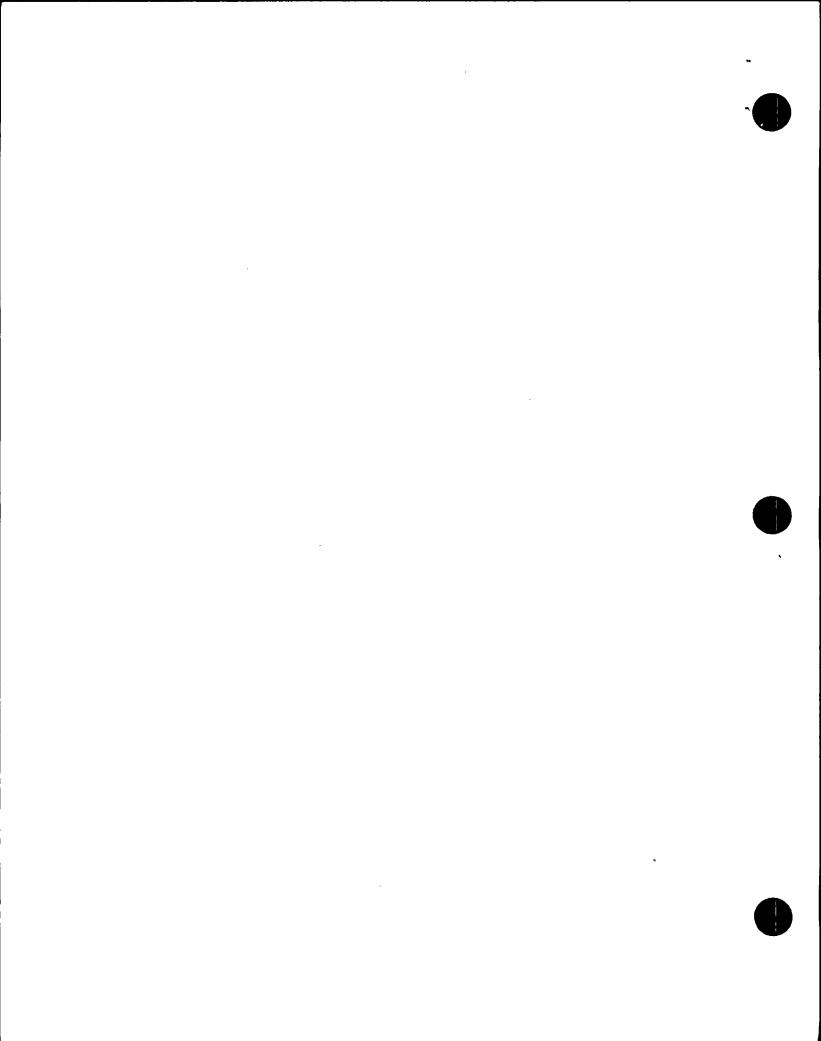
7. Components Inspected Please see attached Abstract of Examinations pages 1 - 12

Component or	Manufacturer	Manufacturer or Installer	State or	National
Appurtenance	or Installer	Serial No.	Province No.	Board No.
39.0 Emergency Condenser	M.W.Kellogg	39.0	N/A	N/A
40.0/40.1 Core Spray	M.W.Kellogg	40.0/40.1	N/A	N/A
41/42/42.1 Liquid Poison	M.W.Kellogg	41/42/42.1	N/A	N/A
44.2/44.3 Control Rod Drive and Scram Volume	M.W.Kellogg	44.2/44.3	N/A	N/A
50/53/57/57.1 Conensate Storage and Transfer	M.W.Kellogg	50/53/57/57.1	N/A	N/A
54 Spent Fuel Pool Cooling	M.W.Kellogg	54.0	N/A	N/A
60.0 Emergency Condenser Mack-Up	M.W.Kellogg	60.0	N/A	N/A
63.0 RWCU Safety Valve Discharge to Torus	M.W.Kellogg	63.0	N/A	N/A
68.0 Drywell and Torus Vacume Relief	M.W.Kellogg	68.0	N/A	N/A
70.0 Closed Loop Cooling	M.W.Kellogg -	70.0	N/A	N/A
72.0 Service Water	M.W.Kellogg	72.0	N/A	N/A
79.0 Diesel Generater Cooling Water	M.W.Kellogg	79.0	N/A	N/A
80.0 Containment Spray	M.W.Kellogg	80.0	N/A	N/A
81.0/81.1 Core Spray	M.W.Kellogg	81.0/81.1	N/A	N/A
83.0 Drywell Sump	M.W.Kellogg	83.0	N/A	N/A
91.0 Condensate Transfer	M.W.Kellogg	91.0	N/A	N/A
93.0/93.1 Containment Spray Raw Water	M.W.Kellogg	93.0/93.1	N/A	N/A
110.0 Reactor Water Sample	M.W.Kellogg	110.0	N/A	N/A
210.0 Control Room Ventilation Cooling Water	M.W.Kellogg	210.0	N/A	N/A
				
				1

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8112 in. x 11 in., (2) information in items 1 through 6 on this data 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.









NMP1-ISI-99-05

SECOND INSERVICE INSPECTION INTERVAL

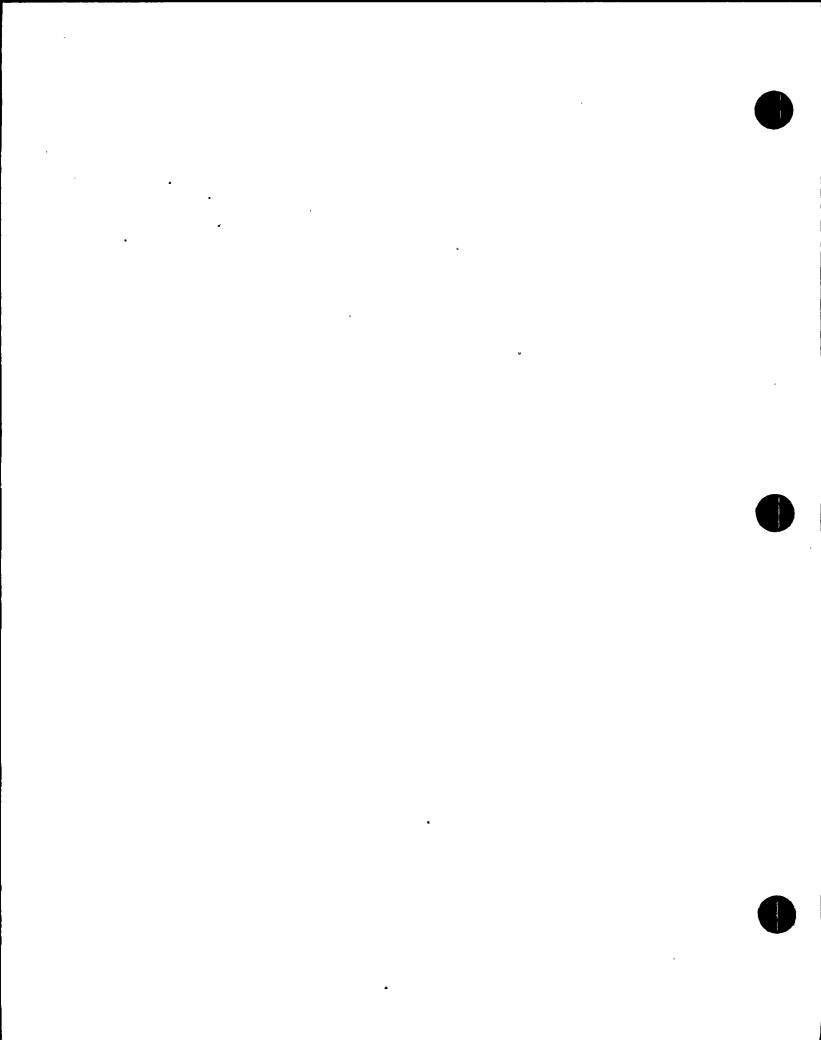
INSERVICE INSPECTION SUMMARY REPORT SUBMITTAL

Rev. 0

September 14, 1999

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APPENDIX B ABSTRACT OF EXAMINATIONS LISTING Pages 1 thru 12



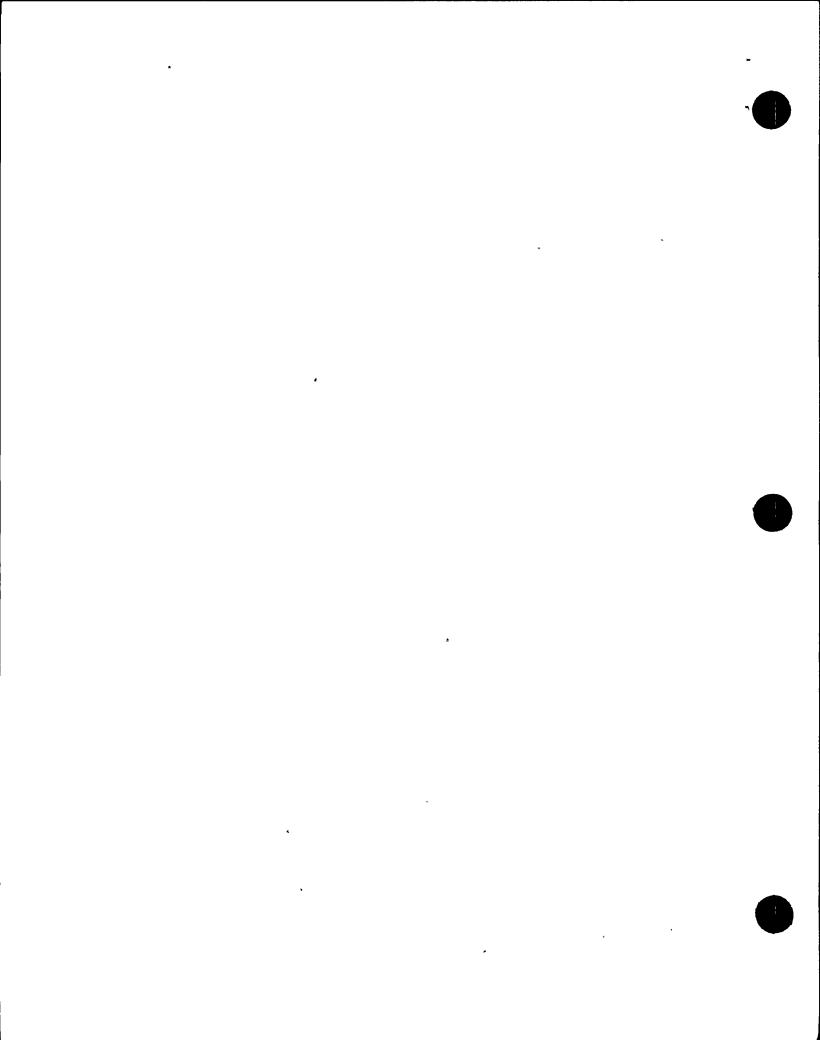
Niagara Mohawk Power Corporation, PO Box 63, Lycoming, NY 13093

Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec. 1969

1999 Outage Summary Report - Abstract of Examinations

Page: 1 of 12

	1999	Outage Summary				inations
	Exam Item	Data Sheet Number	Exam	% Comp.	Exam Date	Comments
Torus	TORUS	1-2.04-99-0106	Type VT-3	100	4/18/99	Accepted by Examination
00.0	01-WD-033	G2K-9907	UT-AUTO	80.1	5/5/99	Accepted by Examination Relief Request Required
00.0	01-WD-033-IR	G2K-9908	UT-60	100	5/3/99	Accepted by Examination
00.0	01-WD-034	1-4.00-99-0092 1-6.26-99-0042	MT UT-45	100 100	4/24/99 4/24/99	Accepted by Examination
00.0	31-WD-021 (BORE)	G2K-9910	UT-AUTO	100	5/1/99	Accepted by Examination
0.00	31-WD-021-IR	G2K-9910	UT-AUTO	100	5/1/99	Accepted by Examination .
0.00	31-WD-030-IR	G2K-9909	UT-AUTO	100	4/30/99	Accepted by Examination
0.00	31-WD-051-IR	G2K-9911	UT-AUTO	100	5/1/99	Accepted by Examination
00.0	31-WD-060-IR	G2K-9912	UT-AUTO	100	5/1/99	Accepted by Examination
0.00	32-WD-044	G2K-9901	UT-AUTO	67.9	5/5/99	Accepted by Examination Relief Request Required
00.0	32-WD-044-IR	G2K-9902	UT-60	100	4/27/99	Accepted by Examination
0.00	32-WD-045	1-3.00-99-0051	PT UT-AUTO	100	4/22/99	Accepted by Examination
00.0	32-WD-084	R-009 G2K-9903	UT-AUTO	97 67.8	5/18/99 4/30/99	Accepted by Examination
						Relief Request Required
00.0	32-WD-084-IR	G2K-9904	UT-AUTO	100	4/27/99	Accepted by Examination
00.0	32-WD-085	1-3.00-99-0042 R-002	PT UT-AUTO	100 95	4/22/99 5/17/99	Accepted by Examination
00.0	32-WD-124	G2K-9905	UT-AUTO	68	5/5/99	Accepted by Examination Relief Request Required
0.00	32-WD-124-IR	G2K-9906	UT-AUTO	100	4/27/99	Accepted by Examination
	32-WD-125	1-3.00-99-0052 R-001	PT UT-AUTO	100 99	4/23/99 5/22/99	Accepted by Examination
00.0	36-WD-924	1-3.00-99-0075	PT	100	4/27/99	Accepted by Examination
00.0	39-WD-089	G2K-9913	UT-AUTO	52.5	5/5/99	Accepted by Examination Relief Request Required
00.0	39-WD-089-IR	G2K-9914	UT-AUTO	79.3	5/5/99	Accepted by Examination ' Relief Request Required
00.0	40-WD-040	G2K-9915	UT-AUTO-	65.8	5/4/99	Accepted by Examination Relief Request Required
00.0	40-WD-040-IR	G2K-9916	UT-AUTO	89.5	5/3/99	Accepted by Examination Relief Request Required
00.0 	40-WD-081	G2K-9917	UT-0/45/60	57.3	5/2/99	Accepted by Examination Relief Request Required
00.0	40-WD-081-IR	G2K-9918	UT-60/70	78.1	5/2/99	Accepted by Examination Relief Request Required
00.0	CH-01-N	1-4.00-99-0053	MT	100	4/21/99	Accepted by Examination
00.0	CH-10-B	1-6.25-99-0002 1-6.25-99-0022	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
00.0	CH-19-B	1-6.25-99-0003 1-6.25-99-0023	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
00.0	CH-20-B	1-6.25-99-0004 1-6.25-99-0024	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
0.00	CH-21-B	1-6.25-99-0005 1-6.25-99-0025	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
00.0	CH-23-B	1-6.25-99-0006 1-6.25-99-0026	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
00.0	CH-24-B	1-6.25-99-0007 1-6.25-99-0027	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
5 0	CH-25-B	1-6.25-99-0008 1-6.25-99-0028	01-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
00.0	CH-26-B	1-6.25-99-0009 1-6.25-99-0029	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination
00.0	CH-27-B	1-6.25-99-0010 1-6.25-99-0030	UT-0 UT-0	100	4/14/99 4/14/99	Accepted by Examination
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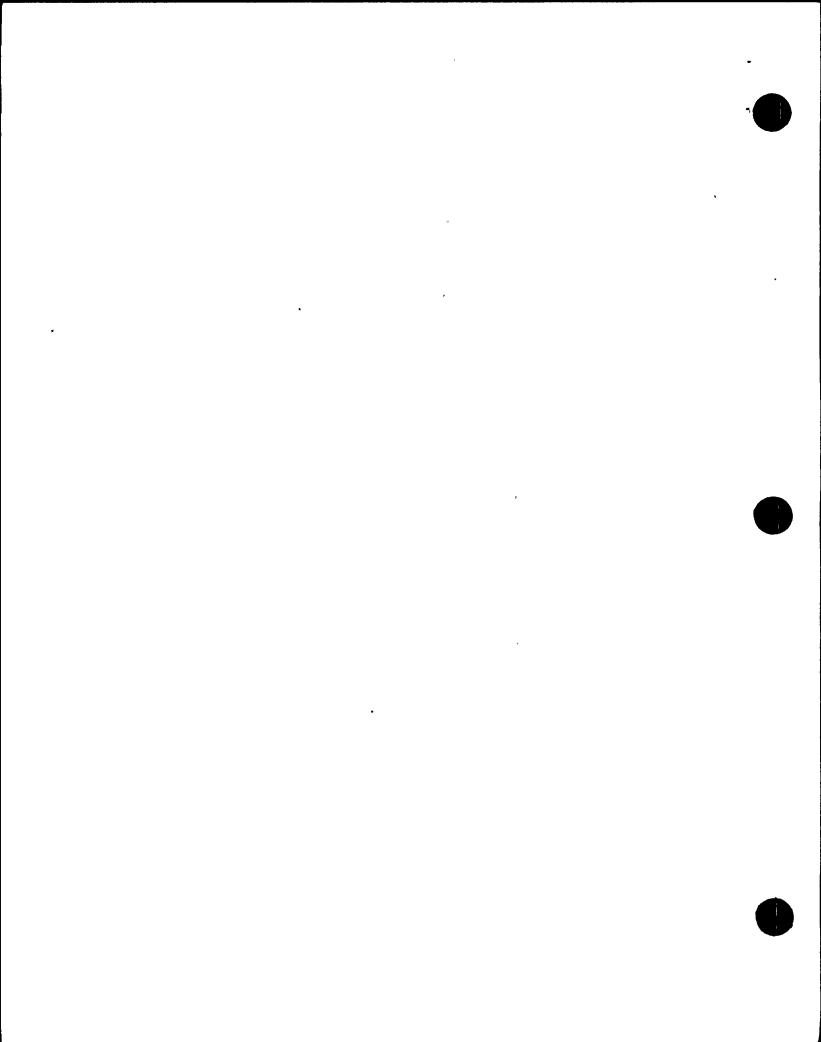


Niagara Mohawk Power Corporation, PO Box 63, Lycoming, NY 13093
Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec. 1969

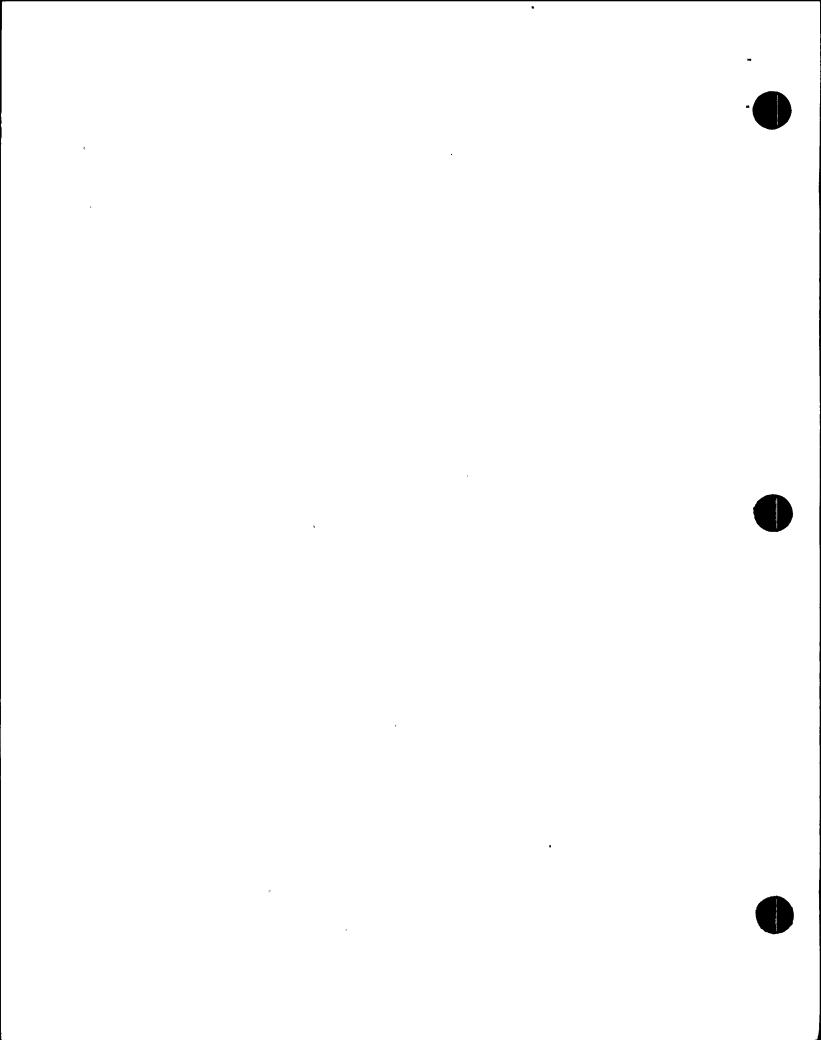
1999 Outage Summary Report - Abstract of Examinations

Page: 2 of 12

	19	99 Outage Summary	Heport -		of Exami	nations	
(D≥	Exam Item	Data Sheet	Exam	% Comp	Exam	Comments	-
7710	CH-28-B	Number 1-6.25-99-0011	Type UT-0	Comp. 100	Date 4/14/99	Comments Accepted by Examination	
συ.0	CH-20-D	1-6.25-99-0031	UT-0	100	4/14/99	Accepted by Examination	
00.0	CH-45-N	1-4,00-99-0054	MT	100	4/21/99	Accepted by Examination	
00.0	CH-46-N	1-4,00-99-0055	MT	100	4/21/99	Accepted by Examination	
00.0	CH-47-N	1-4.00-99-0056	MT	100	4/21/99	Accepted by Examination	
00.0	CH-48-N	1-4.00-99-0057	MT	100	4/21/99	Accepted by Examination	
0.00	CH-49-N	1-4.00-99-0058	MT	100	4/21/99	Accepted by Examination	
0.00	CH-50-N	1-4.00-99-0059	MT.	100	4/21/99	Accepted by Examination	
00.0	CH-51-N	1-4.00-99-0060	MT	100	4/21/99	Accepted by Examination	
0.00	CH-52-B	1-6.25-99-0012	UT-0	100	4/14/99	Accepted by Examination	
	·	1-6.25-99-0032	UT-0	100	4/14/99		
00.0	CH-52-N	1-4.00-99-0061	MT	100	4/21/99	Accepted by Examination	
00.0	CH-53-B	1-6.25-99-0013 1-6.25-99-0033	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination	
00.0	CH-53-N	1-4.00-99-0062	MT	100	4/21/99	Accepted by Examination	
00.0	CH-54-N	1-4.00-99-0063	MT	100	4/21/99	Accepted by Examination	
00.0	CH-55-B	1-6.25-99-0014	UT-0	100	4/14/99	Accepted by Examination	
00.0	011000	1-6.25-99-0034	UT-0	100	4/14/99	Accepted by Examination	
00.0	CH-55-N	1-4.00-99-0064	MT	100	4/21/99	Accepted by Examination	
00.0	CH-56-B	1-6.25-99-0015	UT-0	100	4/14/99	Accepted by Examination	
		1-6.25-99-0035	<u>UT-0</u>	100	4/14/99		
00.0	CH-56-N	1-4.00-99-0065	MT	100	4/21/99	Accepted by Examination	
0.00	CH-57-B	1-6.25-99-0016	Ω <u>-</u> 0	100	4/14/99	Accepted by Examination	
	CH-57-N	1-6.25-99-0036	MT	100	4/14/99 4/21/99	Accepted by Examination	
	CH-58-B	1-4.00-99-0066	UT-0	100	4/14/99	Accepted by Examination Accepted by Examination	
	CU-30-P	1-6.25-99-0037	UT-0	100	4/14/99	Accepted by Examination	
00.0	CH-58-N	1-4.00-99-0067	MT	100	4/21/99	Accepted by Examination	
0.00	CH-59-N	1-4.00-99-0068	MT	100	4/21/99	Accepted by Examination	
00.0	CH-60-B	1-6.25-99-0018	UT-0	100	4/14/99	Accepted by Examination	
		1-6.25-99-0038	UT-0	100	4/14/99		
00.0	CH-60-N	1-4.00-99-0069	MT	100	4/21/99	Accepted by Examination	
0.00	CH-61-B	1-6.25-99-0019 1-6.25-99-0039	UT-0 UT-0	100 100	4/14/99 4/14/99	Accepted by Examination	
00.0	CH-61-N	1-4.00-99-0070	MT	100	4/21/99	Accepted by Examination	
00.0	CH-62-B	1-6.25-99-0020	UT-0	100	4/14/99	Accepted by Examination	
00.0	011-02-13	1-6.25-99-0040	UT-0	100	4/14/99	Accepted by Examination	
0.00	CH-62-N	1-4.00-99-0071	MT	100	4/21/99	Accepted by Examination	·····
00.0	CH-63-B	1-6.25-99-0021	UT-0	100	4/14/99	Accepted by Examination	
		1-6.25-99-0041	UT-0	100	4/14/99		
00.0	CH-63-N	1-4.00-99-0072	MT	100	4/21/99	Accepted by Examination	
00.0	CH-64-N	1-4.00-99-0073	MT	100	4/21/99	Accepted by Examination	
00.0	CRD-B1-B	1-2.04-99-0177	VT-1	N/A	4/29/99	Accepted by Examination	
00.0	CRD-C1-B	1-2.04-99-0176	VT-1	N/A	4/29/99	Accepted by Examination	
00.0	CRD-C3-B	1-2.04-99-0175	VT-1	N/A	4/29/99	Accepted by Examination	
00.0	CRD-C4-B	1-2.04-99-0202	VT-1	. N/A	4/29/99	Accepted by Examination	<u>-</u>
00.0	CRD-D1-B	1-2.04-99-0178	VT-1	N/A	4/29/99	Accepted by Examination	
00.0	CRD-D6-B	1-2.04-99-0169	VT-1	N/A	4/29/99	Accepted by Examination	
2.0	CRD-E1-B CRD-E2-B	1-2.04-99-0182 1-2.04-99-0181	VT-1 VT-1	N/A N/A	4/29/99 4/29/99	Accepted by Examination Accepted by Examination	
0	CRD-E4-B	1-2.04-99-0171	VT-1	N/A	4/29/99	Accepted by Examination	-
00.0	CRD-F4-B	1-2.04-99-0193	VT-1	N/A	4/29/99	Accepted by Examination	
00.0	CRD-G8-B	1-2.04-99-0172	VT-1	N/A	4/29/99	Accepted by Examination	
00.0	CRD-H1-B	1-2.04-99-0183	VT-1	N/A	4/29/99	Accepted by Examination	
00.0	CRD-H4-B	1-2.04-99-0180	VT-1	N/A	4/29/99	Accepted by Examination	



	1998	Data Sheet	Exam	%	Exam	
	Exam Item	Number	Type_	Comp.	Date	Comments
	CRD-H5-B	1-2.04-99-0195	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-H6-B	1-2.04-99-0192	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-H7-B	1-2.04-99-0194	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-17-B	1-2.04-99-0198	VT-1	N/A	4/29/99	Accepted by Examination
	CRD-J3-B	1-2.04-99-0174	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-J4-B	1-2.04-99-0188	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-K2-B	1-2.04-99-0199	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-K3-B	1-2.04-99-0197	VI-1	N/A	4/29/99	Accepted by Examination
	CRD-K7-B	1-2.04-99-0189	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-M1-B	1-2.04-99-0184	VT-1	N/A	4/29/99	Accepted by Examination
	CRD-M7-B	1-2.04-99-0190	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-N12-B	1-2.04-99-0168	VT-1	N/A	4/23/99	Accepted by Examination
00.0		1-2.04-99-0200	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-N4-B	1-2.04-99-0173	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-N7-B		VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-N8-B	1-2.04-99-0191			5/4/99	Accepted by Examination
00.0	CRD-06-B	1-2.04-99-0214	VT-1	N/A		Accepted by Examination Accepted by Examination
00.0	CRD-P1-B	1-2.04-99-0196	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-P4-B	1-2.04-99-0179	VT-1	N/A	4/29/99	
00.0	CRD-P6-B	1-2.04-99-0215	VT-1	N/A	5/4/99	Accepted by Examination
00.0	CRD-Q3-B	1-2.04-99-0187	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-Q4-B	1-2.04-99-0166	VT-1	N/A	4/23/99	Accepted by Examination
00.0	CRD-R2-B	1-2.04-99-0201	VT-1	N/A	4/29/99	Accepted by Examination
00.0	CRD-R8-B	1-2.04-99-0167	VT-1	N/A	4/29/99	Accepted by Examination
	CRD-T6-B	1-2.04-99-0186	VT-1	N/A	4/29/99	Accepted by Examination
	CRD-U3-B	1-2.04-99-0280	VT-1	N/A	6/8/99	Accepted by Examination
0.00	CRD-U4-B	1-2.04-99-0277	VT-1	N/A	6/8/99	Accepted by Examination
0.00	CRD-U6-B	1-2.04-99-0185	VT-1	N/A	4/29/99	Accepted by Examination
0.00	CRD-U8-B	1-2.04-99-0165	VT-1	N/A	4/23/99	Accepted by Examination
0.00	RV-01-L	1-6.09-99-0001	UT-0	98.61	4/14/99	Accepted by Examination
0.00	RV-01-T	1-2.04-99-0023	VT-1 ·	N/A	4/14/99	Accepted by Examination
0.00	RV-02-L	1-6.09-99-0002	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-02-T	1-2.04-99-0024	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-03-L	1-6.09-99-0003	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-03-T	1-2.04-99-0025	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-04-L	1-6.09-99-0004	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-04-T	1-2.04-99-0026	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-05-L	1-6.09-99-0005	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-05-T	1-2.04-99-0027	VT-1	N/A	4/14/99	Accepted by Examination
0.00	RV-06-I	NMP1R15-99-12	EVT-1	100	4/23/99	Accepted by Examination
0.00	RV-06-L	1-6.09-99-0006	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-06-T	1-2.04-99-0028	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-07-I	NMP1R15-99-6	EVT-1	100	4/26/99	Accepted by Examination
00.0	RV-07-L	1-6.09-99-0007	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-07-T	1-2.04-99-0029	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-08-L	1-6.09-99-0008	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-08-T	1-2.04-99-0030	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-09-L	1-6.09-99-0009	UT-0	98.61	4/14/99	Accepted by Examination
0	RV-09-T	1-2.04-99-0031	VT-1	N/A	4/14/99	Accepted by Examination
7.0	RV-10-L	1-6.09-99-0010	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-11-L	1-6.09-99-0011	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-11-T	1-2.04-99-0033	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-12-L	1-6.09-99-0012	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-12-T	1-2.04-99-0034	VT-1	N/A	4/14/99	Accepted by Examination



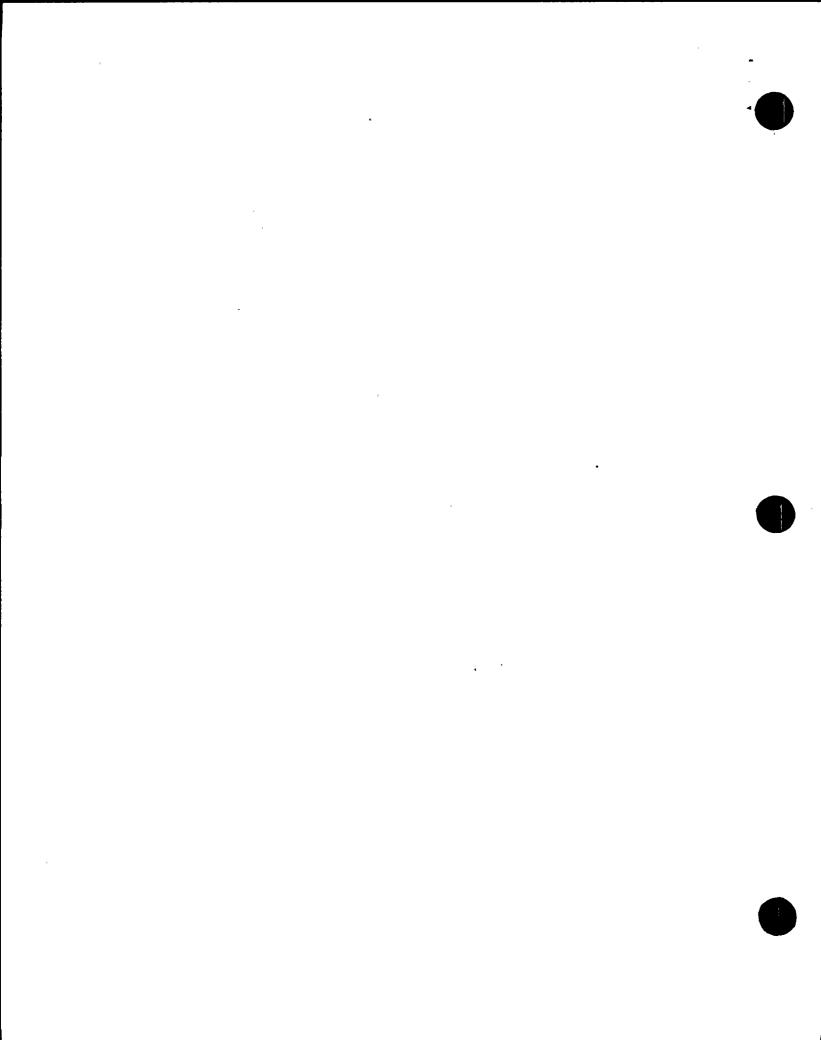
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Niagara Mohawk Power Corporation, PO Box 63, Lycoming, NY 13093

Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec. 1969

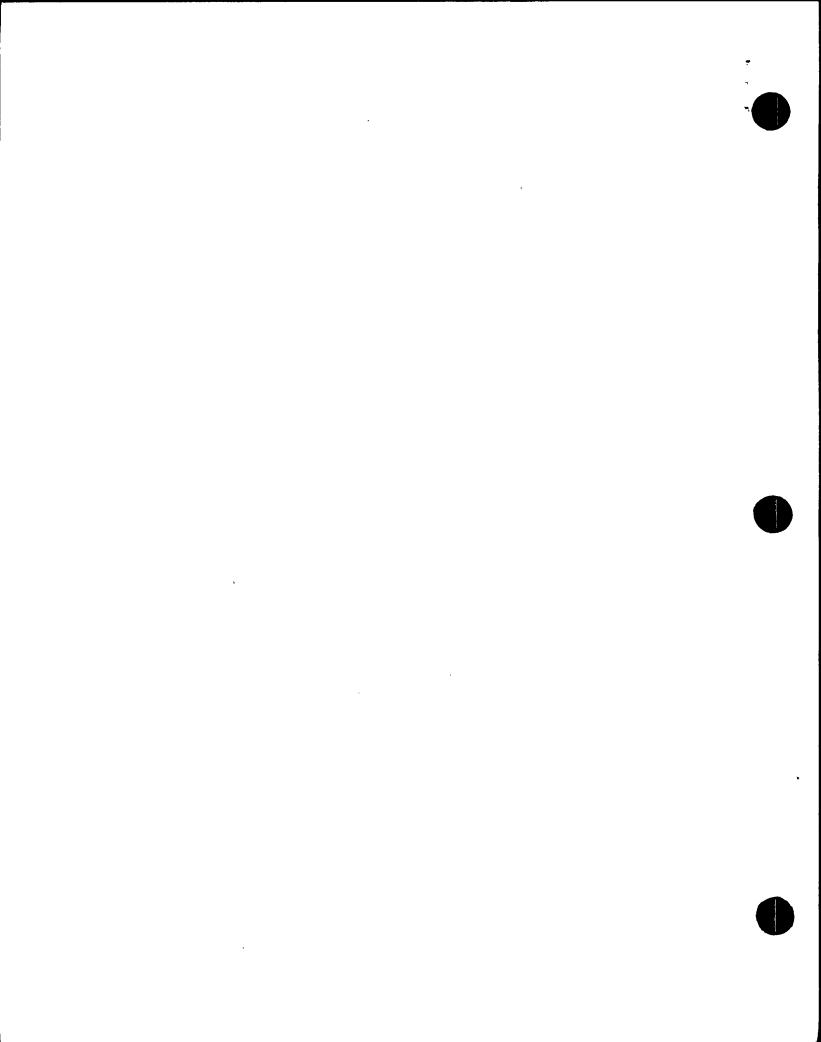
1999 Outage Summary Report - Abstract of Examinations

	1999	Outage Summary	Report -			nations
	Exam Item	Data Sheet	Exam	% Comp	Exam	Comments
		Number	Type UT-0	98.61	Date 4/14/99	Accepted by Examination
00:0	RV-13-L	1-6.09-99-0013			4/14/99	Accepted by Examination
00.0	RV-13-T	1-2.04-99-0035	VT-1	N/A	4/14/99	
00.0	RV-14-L	1-6.09-99-0014	UT-0	98.61		Accepted by Examination
00.0	RV-14-T	1-2.04-99-0036	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-15-L	1-6.09-99-0015	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-15-T	1-2.04-99-0083	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-16-L	1-6.09-99-0016	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-16-T	1-2.04-99-0084	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-17-L	1-6.09-99-0017	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-17-T	1-2.04-99-0085	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-18-L	1-6.09-99-0018	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-18-T	1-2.04-99-0086	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-19-L	1-6.09-99-0019	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-20-L	1-6.09-99-0020	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-21-L	1-6.09-99-0021	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-22-L	1-6.09-99-0022	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-22-T	1-2.04-99-0040	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-23-L	1-6.09-99-0023	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-24-L	1-6.09-99-0024	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-25-L	1-6.09-99-0025	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-26-L	1-6.09-99-0026	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-27-L	1-6.09-99-0027	UT-0	98.61	4/14/99	Accepted by Examination
99.0	RV-28-L	1-6.09-99-0028	UT-0	98.61	4/14/99	Accepted by Examination
40	RV-29-L	1-6.09-99-0029	UT-0	98.61	4/14/99	Accepted by Examination
	RV-29-T	1-2.04-99-0047	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-30-L	1-6.09-99-0030	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-30-T	1-2.04-99-0048	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-31-L	1-6.09-99-0031	UT-0	98.61	4/14/99	Accepted by Examination /
00.0	RV-31-T	1-2.04-99-0049	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-32-L	1-6.09-99-0032	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-32-T	1-2.04-99-0050	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-33-L .	1-6.09-99-0033	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-33-T	1-2.04-99-0051	VT-1	N/A	4/14/99	Accepted by Examination
0.00	RV-34-L	1-6.09-99-0034	Ω-ō	98.61	4/14/99	Accepted by Examination
00.0	RV-34-T	1-2.04-99-0052	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-35-L	1-6.09-99-0035	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-35-T	1-2.04-99-0053	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-36-L	1-6.09-99-0036	υτ÷ο	98.61	4/14/99	Accepted by Examination
0.00	RV-36-T	1-2.04-99-0054	VT-1	N/A	4/14/99	Accepted by Examination
0.00	RV-37-L	1-6.09-99-0037	ur-o	98.61	4/14/99	Accepted by Examination
0.00	RV-37-T	1-2.04-99-0055	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-38-L	1-6.09-99-0038	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-38-T	1-2.04-99-0056	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-39-L	1-6.09-99-0039	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-39-T	1-2.04-99-0057	VT-1	N/A	4/14/99	Accepted by Examination
0.00	RV-40-L	1-6.09-99-0040	UT-0	98.61	4/14/99	Accepted by Examination
0.00	RV-40-T	1-2.04-99-0058	VT-1	N/A	4/14/99	Accepted by Examination
1 0_	RV-41-L	1-6.09-99-0041	UT-0	98.61	4/14/99	Accepted by Examination
	RV-41-T	1-2.04-99-0059	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-42-L	1-6.09-99-0042	UT-0	98.61	4/14/99	Accepted by Examination
0.00	RV-42-T	1-2.04-99-0060	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-43-L	1-6.09-99-0043	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-43-T	1-2.04-99-0061	VT-1	N/A	4/14/99	Accepted by Examination
						



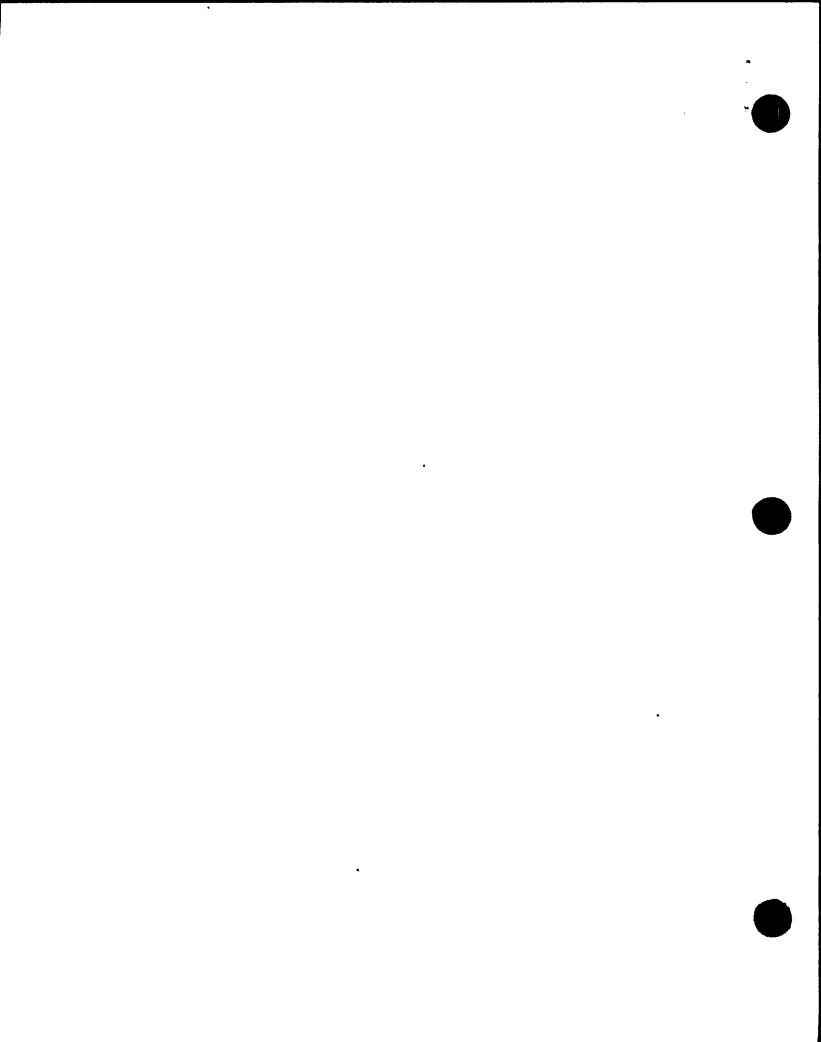
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	1999	Outage Summary	Report -			inations
	Exam Item	Data Sheet	Exam	% Comin	Exam Date	Comments
000	RV-44-L	Number 1-6.09-99-0044	Type UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-44-T	1-2.04-99-0062	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-45-L	1-6.09-99-0045	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-45-T	1-2.04-99-0063	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-46-L	1-6.09-99-0046	UT-0	98.61	4/14/99	Accepted by Examination Accepted by Examination
00.0	RV-46-T	1-2.04-99-0064	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-46-TA	1-2.04-99-0114	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-46-TB	1-2.04-99-0115	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-47-L	1-6.09-99-0047	ΩT-0	98.61	4/14/99	Accepted by Examination Accepted by Examination
00.0	RV-47-T	1-2.04-99-0065	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-48-L	1-6.09-99-0048	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-48-T	1-2.04-99-0066	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-49-L	1-6.09-99-0049	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-49-T	1-2.04-99-0067	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-49-1	1-6.09-99-0050	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-50-T	1-2.04-99-0068	VT-1	N/A	4/14/99	Accepted by Examination Accepted by Examination
00.0	RV-51-L	1-6.09-99-0051	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-51-T	1-2.04-99-0069	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-51-TA	1-2.04-99-0116	VT-1	N/A	4/21/99	Accepted by Examination Accepted by Examination
00.0	RV-51-TB	1-2.04-99-0117	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-52-L	1-6.09-99-0052	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-52-T	1-2.04-99-0070	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-52-TA	1-2.04-99-0118	VT-1	N/A	4/21/99	Accepted by Examination Accepted by Examination
	RV-52-TB	1-2.04-99-0132	VT-1	N/A	4/21/99	Accepted by Examination
	RV-53-L	1-6.09-99-0053	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-53-T	1-2.04-99-0071	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-53-TA	1-2.04-99-0119	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-53-TB	1-2.04-99-0133	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-54-L	1-6.09-99-0054	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-54-T	1-2.04-99-0072	VT-1 ·		4/14/99	Accepted by Examination
0.00	RV-54-TA	1-2.04-99-0120	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-54-TB	1-2.04-99-0134	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-55-L	1-6.09-99-0055	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-55-T	1-2.04-99-0073	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-55-TA	1-2.04-99-0121	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-55-TB	1-2.04-99-0135	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-56-L	1-6.09-99-0056	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-56-T	1-2.04-99-0074	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-56-TA	1-2.04-99-0122	VT-1	N/A	4/21/99	Accepted by Examination
0.00	RV-56-TB	1-2.04-99-0136	VT-1	N/A	4/21/99	Accepted by Examination
0.00	RV-57-L	1-6.09-99-0057	UT-0	98.61	4/14/99	Accepted by Examination
0.00	RV-57-T	1-2.04-99-0075	VT-1	N/A	4/14/99	Accepted by Examination
0.00	RV-57-TA	1-2.04-99-0123	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-57-TB	1-2.04-99-0137	VT-1	N/A	4/21/99	Accepted by Examination
0.00	RV-58-L	1-6.09-99-0058	UT-0	98.61	4/14/99	Accepted by Examination
0.00	RV-58-T	1-2.04-99-0076	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-58-TA	1-2.04-99-0124	VT-1	N/A	4/21/99	Accepted by Examination
0	RV-58-TB	1-2.04-99-0138	VT-1	N/A	4/21/99	Accepted by Examination
0.0	RV-59-L	1-6.09-99-0059	UT-0	98.61	4/14/99	Accepted by Examination
0.00	RV-59-T	1-2.04-99-0077	VT-1	N/A	4/14/99	Accepted by Examination
0.00	RV-59-TA	1-2.04-99-0125	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-59-TB	1-2.04-99-0139	VT-1	N/A	4/21/99	Accepted by Examination
0.00	RV-60-L	1-6.09-99-0060	UT-0	98.61	4/14/99	Accepted by Examination



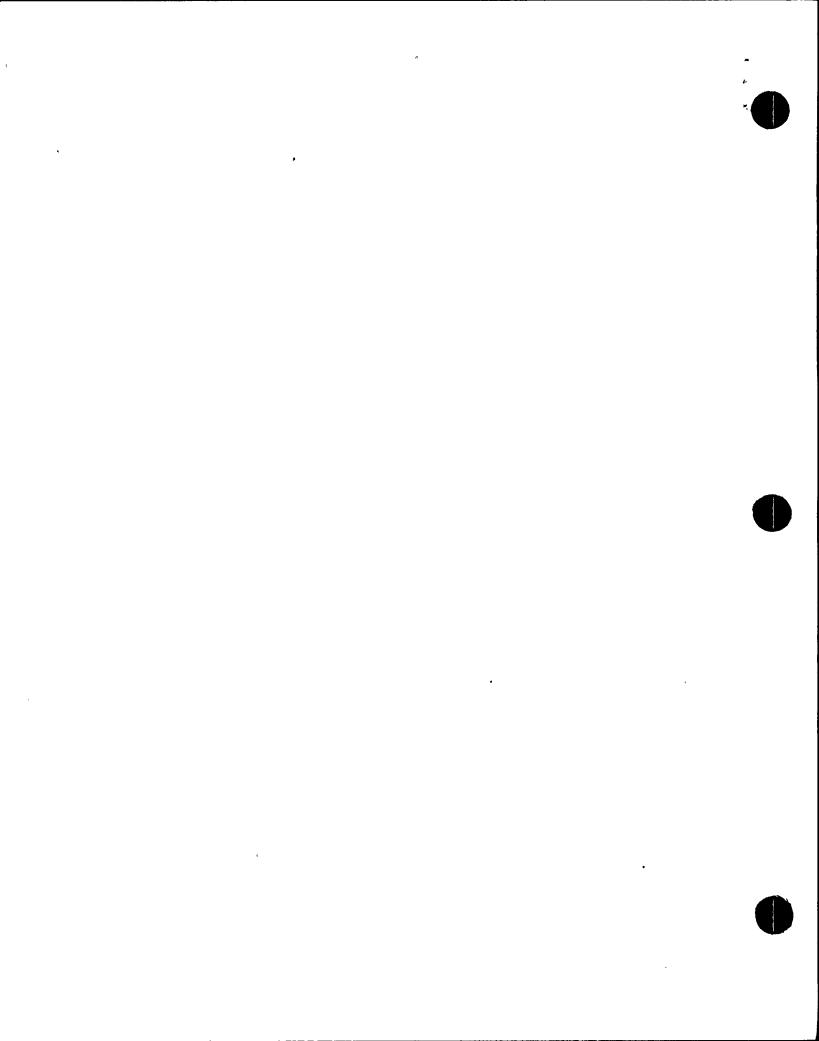
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	1000	Data Sheet	Exam	%	Exam	
	Exam Item	Number	Type	Comp.	<u>Date</u>	Comments
00.0	RV-60-T	1-2.04-99-0078	VT-1	N/A	4/14/99	Accepted by Examination
0.00	RV-60-TA	1-2.04-99-0126	VT-1	N/A	4/21/99	Accepted by Examination
0.00	RV-60-TB	1-2.04-99-0140	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-61-L	1-6.09-99-0061	UT-0	98.61	4/14/99	Accepted by Examination
0.00	RV-61-T	1-2.04-99-0079	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-61-TA	1-2.04-99-0127	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-61-TB	1-2.04-99-0141	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-62-L	1-6.09-99-0062	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-62-T	1-2.04-99-0080	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-62-TA	1-2.04-99-0128	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-62-TB	1-2.04-99-0142	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-63-L	1-6.09-99-0063	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-63-TA	1-2.04-99-0129	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-63-TB	1-2.04-99-0143	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-64-L	1-6.09-99-0064	UT-0	98.61	4/14/99	Accepted by Examination
00.0	RV-64-T	1-2.04-99-0082	VT-1	N/A	4/14/99	Accepted by Examination
00.0	RV-64-TA	1-2.04-99-0130	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-64-TB	1-2.04-99-0144	VT-1	N/A	4/21/99	Accepted by Examination
00.0	RV-CRD-R1	1-3.00-99-0082	PT	50	4/27/99	Accepted by Examination
						Relief Request Required
0.00	RV-CRD-S1	1-3.00-99-0083	PT	. 50	4/27/99	Accepted by Examination Relief Request Required
00.0	RV-CRD-T3	1-3.00-99-0084	PT	50	4/27/99	Accepted by Examination
00.0	HV-CHD-13	1-3.00-99-0004	гі	30	4121133	Relief Request Required -
	RV-CRD-U2	1-3.00-99-0085	PT	50	4/27/99	Accepted by Examination
	117 01.0 02	. 0.00 00 0000				Relief Request Required
00.0	RV-SB-2A	1-2.04-99-0151	VT-3	N/A	4/26/99	Accepted by Examination
00.0	RV-SB-2B	1-2.04-99-0152	VT-3	N/A	4/26/99	Accepted by Examination
00.0	RV-SB-4A	1-2.04-99-0153	VT-3	N/A	4/26/99	Accepted by Examination '
00.0	RV-SB-4B	1-2.04-99-0154	VT-3	N/A	4/26/99	Accepted by Examination
00.0	RV-SB2-IA-373/374	1-4.00-99-0100	MT .	34	4/27/99	Accepted by Examination
						Relief Request Required
00.0	RV-SB4-IA-377/378	1-4.00-99-0099	MT	34	4/27/99	Accepted by Examination Relief Request Required
00.0	RV-WD-099 (A)	GERIS ID	UT-AUTO	83.3	5/19/99	Accepted By Evaluation
	• •	Report # 1				DER 1-1999-1640
00.0	RV-WD-099 (B)	GERIS ID Report # 1	UT-AUTO	83.3	5/19/99	Accepted By Evaluation DER 1-1999-1640
		nepoit# i				
00.0	RV-WD-099 (C)	GERIS ID	UT-AUTO	83.3	5/19/99	Accepted By Evaluation
00.0	,	Report # 1				DER 1-1999-1640
0.00	RV-WD-099 (D)	GERIS ID	UT-AUTO	83.3	5/19/99	Accepted By Evaluation DER 1-1999-1640
		Report # 1				DEN 1-1999-1040
00.0	RV-WD-130	GERIS ID	UT-AUTO	100	5/13/99	Accepted by Examination
00.0	111 115 100	Report # 2	•••••			
00.0	RV-WD-131	GERIS ID	UT-AUTO	90.4	5/16/99	Accepted by Examination
		Report # 3				
00.0	RV-WD-132	GERIS ID	UT-AUTO	98.1	5/17/99	Accepted by Examination
	5 14145 655	Report # 4	177 41 77	FC 4	E/40/00	Accounted by Evamination
100	RV-WD-133	GERIS ID Report # 5	UT-AUTO	56.4	5/13/99	Accepted by Examination Relief Request Required
00.0	RV-WD-134	GERIS ID	UT-AUTO	59	5/13/99	Accepted by Examination
_		Report # 6				Relief Request Required



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	1999	Outage Summary				mations
	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
00.0	RV-WD-135	GERIS ID Report # 7	UT-AUTO	62.8	5/12/99	Accepted by Examination Relief Request Required
0.00	RV-WD-139	GERIS ID Report # 8	UT-AUTO	100	5/2/99	Accepted by Examination
00.0	RV-WD-140	GERIS ID Report # 9	UT-AUTO	100	5/6/99	Accepted By Evaluation DER 1-1999-1451
00.0	RV-WD-141	GERIS ID Report # 10	UT-AUTO	65.2	5/13/99	Accepted by Examination Relief Request Required
00.0	RV-WD-142	GERIS ID Report # 11	UT-AUTO	75.7	5/3/99	Accepted by Examination Relief Request Required
00.0	RV-WD-143	GERIS ID Report # 12	UT-AUTO	74.9	5/3/99	Accepted by Examination Relief Request Required
00.0	RV-WD-144	GERIS ID Report # 13	UT-AUTO	56.9	5/3/99	Accepted by Examination Relief Request Required
01.0	01-102-E-WD-001	1-6.26-99-0064 1-6.26-99-0065	UT-0 UT-45	100 79.5	4/24/99 4/26/99	Accepted by Examination Relief Request Required
01.0	01-WD-048	1-4.00-99-0115 1-6.26-99-0043 1-6.26-99-0037 1-6.26-99-0044	MT UT-0 UT-45 UT-45	100 100 100 86	4/20/99 4/20/99 4/20/99 4/20/99	Accepted by Examination
01.0	01-WD-483	1-3.00-99-0136	PT	75	5/4/99	Accepted by Examination Relief Request Required
01	RPV,CL1 AND NON-ISOLABLE CL 2	1-2.04-99-0266	VT-2	N/A	6/30/99	Accepted by Examination
02	02-HS-2	1-2.04-99-0148	VT-3/4	N/A	4/23/99	Accepted by Examination
200	02-WD-045	1-4.00-99-0123	МТ	96.4	4/30/99	Accepted by Examination.
		1-6.26-99-0082	UT-45	84.9	4/30/99	Relief Request Required
	00145 000	1-6.26-99-0083	<u>nr-eo</u>	84.9	4/30/99	
03.0	03-WD-023	1-4.00-99-0147 1-6.26-99-0088	MT-0	100 80	5/6/99 5/7/99	Accepted by Examination Relief Request Required
		1-6.26-99-0089	UT-45	50	5/8/99	710107710400771040708
03.0	VALVE MANIFOLD 03-01	1-2.04-99-0218	VT-3	N/A	5/4/99	Accepted By Evaluation DER 1-1999-1466
05.0	EMERGENCY CONDENCER	*1-2.04-98-0021	VT-2	N/A	10/12/98	Accepted by Examination
31.0	31-WD-001	1-4.00-99-0098 1-6.26-99-0058 1-6.26-99-0059 1-6.26-99-0060 1-6.26-99-0061 1-6.26-99-0062	MT UT-0 UT-0 UT-45 UT-45 UT-60	99.0 N/A N/A 98 97.5 97.5	4/24/99 4/24/99 4/24/99 4/26/99 4/26/99	Accepted by Examination
31.0	31-WD-031 '	1-4.00-99-0103 1-6.26-99-0066 1-6.26-99-0067 1-6.26-99-0068 1-6.26-99-0069 1-6.26-99-0070	MT UT-0 UT-0 UT-45 UT-45 UT-60	99.0 N/A N/A 98 97.5 97.5	4/24/99 4/24/99 4/24/99 4/26/99 4/26/99	Accepted by Examination
31.0	31-WD-049	1-4.00-99-0095 1-6.26-99-0048	MT UT-45	100 100	4/26/99 4/26/99	Accepted by Examination
31.0	31-WD-058	1-4.00-99-0096 1-6.26-99-0049	MT UT-45	100 100	4/26/99 4/26/99	Accepted by Examination
32.0	32-12-H3-WD-001	1-3.00-99-0027	PT	100	4/19/99	Accepted by Examination
32.0	32-12-H3-WD-002	1-3.00-99-0028	PT	100	4/19/99	Accepted by Examination
22.0	32-12-H3-WD-003	1-3.00-99-0029	PT	100	4/19/99	Accepted by Examination
	32-12-H3-WD-004	1-3.00-99-0030	PT	100	4/19/99	Accepted by Examination
	32-14-H4-WD-001	1-3.00-99-0031	PT	100	4/19/99	Accepted by Examination
32.0	32-14-H4-WD-002	1-3.00-99-0032	PT	100	4/19/99	Accepted by Examination
32.0	32-14-H4-WD-003	1-3.00-99-0033	PT	100	4/19/99	Accepted by Examination
32.0	32-14-H4-WD-004	1-3.00-99-0034	PT	100	4/19/99	Accepted by Examination
32.0	32-190-PB	1-6.04-99-0001	UT-0	100	4/19/99	Accepted by Examination



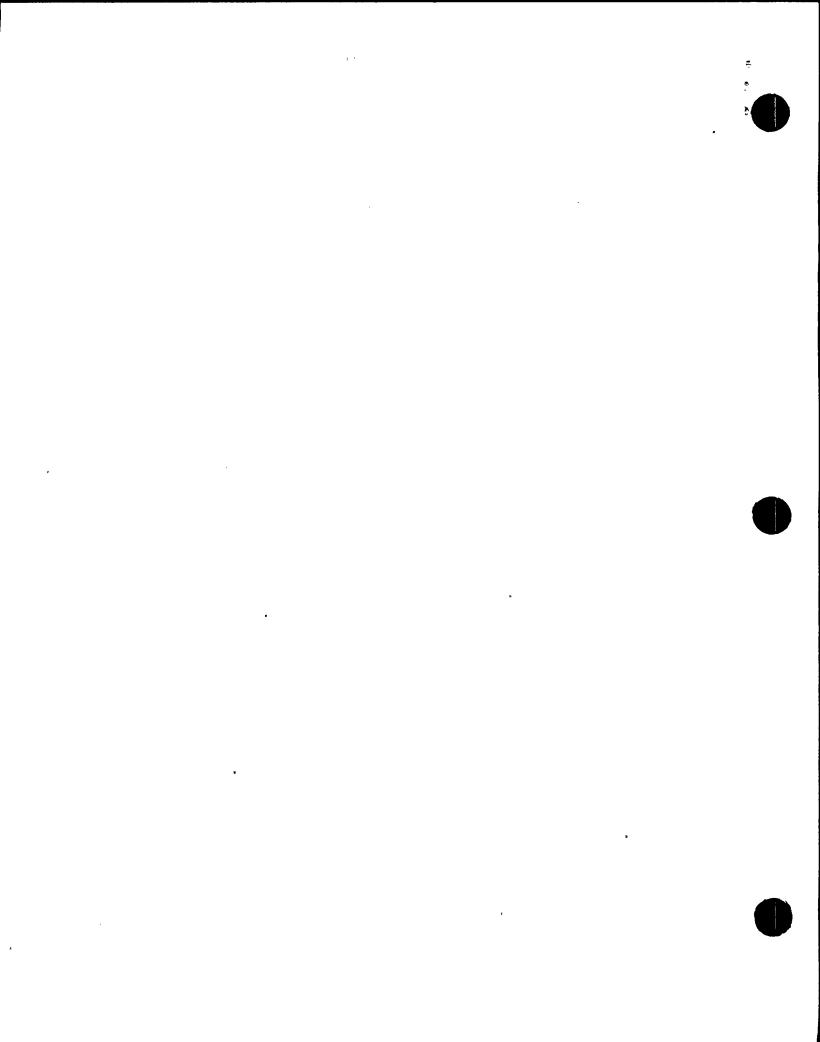
Niagara Mohawk Power Corporation, PO Box 63, Lycoming, NY 13093

Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec. 1969

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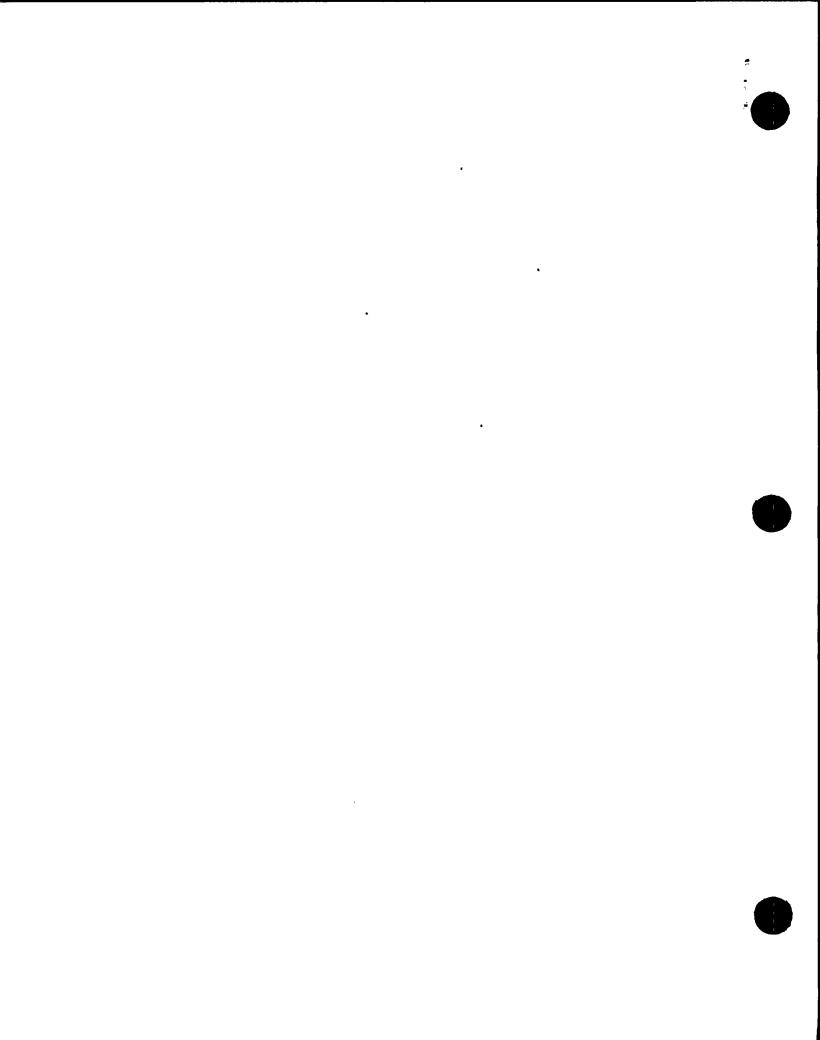
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1999	CUIRDE	Summarv	Report	ADSITECL	OI	examinations

	1999	Outage Summary	Report -		of Exami	nations
	Exam Item	Data Sheet	Exam	- %	Exam	
		Number	Type	Comp.		Comments
32.0	32-190-PB-N	1-2.04-99-0104	VT-1	N/A	4/19/99	Accepted by Examination
32.0	32-190-PB-SEAL-HSG	1-2.04-99-0105	VT-1	N/A	4/19/99	Accepted by Examination
32.0	32-191-WD-007	1-3.00-99-0038	PT	100	4/22/99	Accepted by Examination
32.0	32-WD-041	1-3.00-99-0047	PT '	100	4/22/99	Accepted by Examination UT Credit in RFO13
32.0	32-WD-046	1-3.00-99-0065	PT	100	4/23/99	Accepted By Evaluation
		1-6.06-99-0007	UT-WSY	N/A	4/24/99	DER 1-1999-1255
		1-6.06-99-0010 1-6.06-99-0013	UT-52 UT-Bimodal	N/A N/A	4/24/99 4/24/99	
		1-6.06-99-0016	UT-60	N/A	4/24/99	'
	•	1-6.06-99-0027	UT-45	N/A	5/4/99	
	•	1-6.06-99-0030	UT-45	N/A	5/4/99	
		1-6,06-99-0033	UT-60	N/A	5/4/99	
32.0	32-WD-046 (Cont.)	1-6.24-99-0065	UT-45	100	4/24/99	Accepted By Evaluation
		1-6,24-99-0066 R-015	UT-45 UT-AUTO	100 100	· 4/24/99 5/21/99	DER 1-1999-1255
		N-015	01-2010	100	3/2//33	
32.0	32-WD-046-D1	1-3.00-99-0062	PT	100	4/23/99	Accepted by Examination
		1-6.24-99-0067	UT-45	100	4/24/99	
32.0	32-WD-046-D2	1-3.00-99-0063	PT	100	4/23/99	Accepted by Examination
		1-6.24-99-0068	UT-45	100	4/24/99	
32.0	32-WD-057	1-3.00-99-0061	PT UT-45	100	4/21/99 4/27/99	Accepted by Examination
		1-6.24-99-0076 1-6.24-99-0077	UT-60	100 100	4/27/99	
32.0	32-WD-057-D1	1-3.00-99-0073	PT	100	4/21/99	Accepted by Examination
02.0	32-110-037-01	1-6.24-99-0078	UT-45	100	4/27/99	Accepted by Examination
20	32-WD-057-D2	1-3,00-99-0074	PT	100	4/21/99	Accepted by Examination-
	,	1-6.24-99-0079	UT-45	100	4/27/99	riosopios dy analimianon
2.0	32-WD-086	1-3.00-99-0044	PT	100	4/23/99	Accepted By Evaluation
		1-6.06-99-0008	UT-WSY	N/A	4/24/99	DER 1-1999-1255
		1-6.06-99-0011	UT-52	N/A	4/24/99	
		1-6.06-99-0014 1-6.06-99-0017	UT-Bimodal UT-60	N/A N/A	4/24/99 4/24/99	,
		1-6.06-99-0028	UT-45	N/A	5/4/99	
		1-6.06-99-0031	UT-45 ·	N/A	5/4/99	
		1-6.06-99-0034	UT-60	N/A	5/4/99	
32.0	32-WD-086 (Cont.)	1-6.06-99-0035	UT-45	100	5/8/99	Accepted By Evaluation
		1-6.24-99-0059 1-6.24-99-0060	UT-45 UT-45	100 100	4/23/99 4/23/99	DER 1-1999-1255
		R-014	UT-AUTO	100	5/19/99	•
32.0	32-WD-086-D1	1-3,00-99-0045	PT	100	4/23/99	Accepted by Examination
	01 110 000 01	1-6.24-99-0061	UT-45	100	4/23/99	, too plot by Examination
32.0	32-WD-086-D2	1-3.00-99-0046	PT	100	4/23/99	Accepted by Examination
		1-6.24-99-0062	UT-45	100	4/23/99	· · · · · · · · · · · · · · · · · · ·
33.0	33-03-WD-001	1-3.00-99-0043	PT	100	4/22/99	Accepted by Examination
36.0	36-WD-003	1-3.00-99-0097	PT	100	4/29/99	Accepted by Examination
36.0	36-WD-004	1-3.00-99-0095	PT	100	4/29/99	Accepted by Examination
36.0	36-WD-925	1-3.00-99-0076	PT	100	4/27/99	Accepted by Examination
36.0	36-WD-932	1-3.00-99-0096	PT	100	4/29/99	Accepted by Examination
37.1	37.1-WD-003	1-3.00-99-0064	PT	100	4/24/99	Accepted by Examination
37.1	37.1-WD-009	1-3.00-99-0098	PT	100	4/30/99	Accepted by Examination
37.1	37.1-WD-017	1-3.00-99-0099	PT	100	4/30/99	Accepted by Examination
38.0	38-02-VB	1-2.04-99-0021	VT-1	N/A	4/14/99	Accepted by Examination
38.0	38-12-VB	1-6.04-99-0002	UT-0	100	4/26/99	Accepted by Examination
0	38-HS-2	1-2.04-99-0022	VT-3/4	N/A	4/29/99	Accepted by Examination .
0.0	39-H-14-WD-001	1-3.00-99-0055	PT	100	4/23/99	Accepted by Examination
39.0	39-H-14-WD-004	1-3.00-99-0054	PT	100	4/23/99	Accepted by Examination
39.0	39-H-14-WD-007	1-3.00-99-0056	PT	100	4/23/99	Accepted by Examination
39.0	39-H-14-WD-010	1-3.00-99-0053	PT	100	4/23/99	Accepted by Examination
39.0	39-H-7-WD-001	1-3.00-99-0057	PT	100	4/23/99	Accepted by Examination
						ii



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*	1955	Outage Cummary	-	0/	Even	,
	Exam Item	Data Sheet	Exam	% Comp	Exam Date	Comments
		Number	Type PT	Comp. 100	4/23/99	Accepted by Examination
39.0	39-H-7-WD-004	1-3.00-99-0058				Accepted by Examination
39.0	39-H-7-WD-007	1-3.00-99-0059	PT	100	4/23/99	
39.0	39-H-7-WD-010	1-3.00-99-0060	PT	100	4/23/99	Accepted by Examination
39.0	39-HS-1	1-2.04-99-0111	VT-3/4	N/A '	4/20/99	Accepted by Examination
39.0	39-HS-16	1-2.04-99-0149	VT-3/4	N/A	4/22/99	Accepted by Examination
39.0	39-HS-3	1-2.04-99-0110	VT-3/4	N/A	4/20/99	Accepted by Examination
39.0	39-HS-7-WD-001	1-3.00-99-0023	PT	100	4/15/99	Accepted by Examination
39.0	39-HS-7-WD-004	1-3.00-99-0024	PT	100	4/15/99	Accepted by Examination
39.0	39-HS-7-WD-007	1-3.00-99-0025	PT	100	4/15/99	Accepted by Examination
39.0	39-HS-7-WD-010	1-3.00-99-0026	PT	100	4/15/99	Accepted by Examination
39.0	39-WD-021-D	2819-88A-198	PT	100	2/22/88	Accepted by Examination
33.0	03-112-02-12	2434-88A-137	UT-0	100	2/23/88	Examined In 1st Period And
		2818-88A-297	UT-45	100	2/23/88	Inadvertently Left Off The Nis-1
		2818-88A-298	UT-45	100	2/23/88	
39.0	39-WD-021-U	1-3.00-89-0049	PT	100	6/14/89	Accepted by Examination
		2434-88A-138	υ τ- 0	100	2/23/88	Examined In 1st Period And
		1-6.03-89-0024	UT-45	100	6/14/89	Inadvertently Left Off The Nis-1
		1-6.03-89-0023	UT-45	100	6/14/89	Accorded by Everylantian
39.0	39-WD-091	1-3.00-99-0077	PT LTT-46	100 100	4/27/99 4/27/99	Accepted by Examination
		1-6.24-99-0082	UT-45			Accepted by Examination
39.0	39-WD-100	1-3.00-99-0106	PT	100	4/30/99	UT ON RFO14 NIS-1
		44 0 04 00 0004	100	AI/A	10/10/00	Accepted by Examination
39.0	EMERGENCY CONDENCER	*1-2.04-98-0021	VT-2	N/A	10/12/98	Accepted by Examination
		4 0 00 00 0004	DT	75	4/29/99	Accepted by Examination
40.0	40-H-57-A-WD-001	1-3.00-99-0091	PT	/5	4129199	Relief Request Required
	10.11.07.4.1415.004	1-3.00-99-0092	PT	75	4/29/99	Accepted by Examination
	40-H-57-A-WD-004	1-3.00-99-0092	FI	73	4123133	Relief Request Required
40.0	40-H-57-A-WD-007	1-3.00-99-0093	PT	75	4/29/99	Accepted by Examination
40.0	40-H-5/-A-WD-00/	1-3.00-89-0093	F 1	,,	7/20/00	Relief Request Required
40.0	40-H-57-A-WD-010	1-3.00-99-0094	PT	75	4/29/99	Accepted by Examination
40.0	40-11-37-24-112-010	1 0.00 00 000 1				Relief Request Required
40.0	40-WD-039	1-3.00-99-0072	PT .	100	4/26/99	Accepted by Examination
		R-006	UT-AUTO	100	5/24/99	
40	CORE SPRAY .	1-2.04-99-0255	VT-2	N/A	5/28/99	Accepted by Examination
		1-2.04-99-0274	VT-2	N/A	6/5/99	
40	CORE SPRAY	1-2.04-99-0263	VT-2	N/A	6/1/99	Accepted by Examination
		1-2.04-99-0272	VT-2	N/A	6/5/99	
40.0	CORE SPRAY	*1-2.04-98-0029	VT-2	N/A	12/14/98	Accepted by Examination
40.1	40.1-WD-026	1-3.00-99-0017	PT	100	4/15/99	Accepted by Examination
40.1	40.1-WD-027	1-3.00-99-0020	PT	100	4/15/99	Accepted by Examination
40.1	40.1-WD-035	1-3.00-99-0016	PT	100	4/15/99	Accepted by Examination
40.1	40.1-WD-037	1-3.00-99-0018	PT	100	4/15/99	Accepted by Examination
40.1	40.1-WD-038	1-3.00-99-0019	PT	100	4/15/99	Accepted by Examination
40.1	CORE SPRAY	1-2.04-99-0263	VT-2	N/A	6/1/99	Accepted by Examination
40.1	CONESTRAT	1-2.04-99-0203	VT-2	N/A	6/5/99	·
41	LIQUID POISON	1-2.04-98-0015	VT-2	N/A	8/17/98	Accepted by Examination
42	LIQUID POISON	1-2.04-99-0008	VT-2	N/A	1/28/99	Accepted by Examination
42	LIQUID POISON	1-2.04-98-0015	VT-2	N/A	8/17/98	Accepted by Examination
	42.1-01-VB	1-2.04-99-0108	VT-1	N/A	4/20/99	Accepted by Examination
42.1			PT	100	5/8/99	Accepted by Examination
12.1	42.1-WD-034	1-3.00-99-0146 1-6.24-99-0240	UT-45	100	5/6/99 5/1/99	And opically beautiful and the second of the
	LIQUID POISON	1-2.04-99-0288	VT-2	N/A	6/11/99	Accepted by Examination
17.1	LIGUID FUISUN	1-2.04-99-0288	VT-2	N/A	8/31/98	
44.0	CONTROL ROD DRIVE &	*1-2.04-98-0022	VT-2	N/A	10/13/98	Accepted by Examination
44,0	SCRAM VOLUME	1-2,0-7-00-0022		. *** *		• •
44.2	44.2-MS-1	1-2.04-99-0088	VT-3/4	N/A	4/15/99	Accepted by Examination .
74.6	-44.6-IVIO-1	1-2104-00-0000	7.0/4			



Niagara Mohawk Power Corporation, PO Box 63. Lycoming. NY

Page: 10 of 12 Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec. 1969 1999 Outage Summary Report - Abstract of Examinations **Data Sheet** Exam Exam % Exam Item Date Comments Number Type Comp. 44.2-MS-3 1-2.04-99-0089 VT-3/4 N/A 4/15/99 Accepted by Examination VT-3/4 N/A 4/15/99 44.2-MS-4 1-2.04-99-0090 Accepted by Examination 44.2 44.2 44.2-MS-5 1-2.04-99-0087 VT-3/4 N/A 4/15/99 Accepted By Evaluation DER 1-1999-1105 44.2 44.2-WD-039 1-4.00-99-0020 М 100 4/15/99 Accepted by Examination 1-6.05-99-0027 O-TU 100 4/15/99 1-6.26-99-0002 **UT-45** 100 4/16/99 4/16/99 UT-0 1-6.26-99-0010 100 44.2 44.2-WD-085 1-4.00-99-0021 MT 100 4/15/99 Accepted by Examination UT-0 4/15/99 1-6.05-99-0028 100 1-6.26-99-0004 **UT-45** 100 4/15/99 1-6.26-99-0011 **UT-0** 4/16/99 100 44.2 44.2-WD-092 1-4.00-99-0019 MT 100 4/15/99 Accepted by Examination 1-6.05-99-0026 UT-0 100 4/15/99 **UT-45** 100 4/15/99 1-6.26-99-0003 1-6.26-99-0008 UT-0 100 4/15/99 44.2 100 4/15/99 44.2-WD-204 1-4.00-99-0018 MT Accepted by Examination 1-6.26-99-0005 UT-45 100 4/16/99 44.2 **CONTROL ROD DRIVE &** 1-2.04-99-0228 VT-2 N/A 5/8/99 Accepted by Examination **SCRAM VOLUME** 44.3 44-189-VB VT-1 N/A 4/22/99 1-2.04-99-0146 Accepted by Examination 44.3 44.3-12-VB VT-1 N/A 4/22/99 1-2.04-99-0145 Accepted by Examination 44.3 44.3-WD-093 1-3.00-99-0071 PT 100 4/26/99 Accepted by Examination 50.0 CONDENSATE STORAGE 1-2.04-99-0095 VT-2 N/A 4/16/99 Accepted by Examination & TRANSFER *1-2.04-98-0023 VT-2 N/A 10/20/98 VT-2 11/10/98 *1-2.04-98-0025 N/A CONDENSATE STORAGE VT-2 N/A 4/16/99 1-2.04-99-0095 Accepted by Examination & TRANSFER *1-2.04-98-0023 VT-2 N/A 10/20/98 54.0 SPENT FUEL POOL VT-2 N/A 4/9/99 1-2.04-99-0012 Accepted by Examination COOLING VT-2 N/A 4/17/99 1-2.04-99-0096 1-2.04-99-0112 VT-2 N/A 4/22/99 57.0 **CONDENSATE STORAGE** VT-2 N/A 1-2.04-99-0095 4/16/99 Accepted by Examination & TRANSFER *1-2.04-98-0025 11/10/98 VT-2 N/A N/A *1-2.04-98-0023 VT-2 10/20/98 57.1 CONDENSATE STORAGE 1-2.04-99-0095 VT-2 N/A 4/16/99 Accepted by Examination & TRANSFER *1-2.04-98-0025 VT-2 N/A 11/10/98 59.0 **CONDENSATE STORAGE** VT-2 N/A 10/20/98 *1-2.04-98-0023 Accepted by Examination & TRANSFER 60 **EMERGENCY** VT-2 N/A 6/9/99 1-2.04-99-0282 Accepted by Examination CONDENCER MAKEUP 63 **RWCU SAFETY VALVE** 1-2.04-99-0278 VT-2 N/A 6/8/99 Accepted by Examination DISCH TO TORUS 68 **DRYWELL & TORUS** 1-2.04-98-0024 VT-2 N/A 10/20/98 Accepted by Examination VACUUM RELIEF 70.0 **REACTOR BUILDING** VT-2 N/A 1/28/99 1-2.04-99-0009 Accepted by Examination CLOSED LOOP COOLING VT-2 N/A 5/22/99 1-2.04-99-0241 VT-2 11/24/98 *1-2.04-98-0026 N/A *1-2.04-99-0254 **VT-2** N/A 5/27/99 70.0 VT-3 SDC-HX-11 N/A 4/27/99 1-2.04-99-0162 Accepted by Examination 72.0 72-A1 1-2.04-99-0017 **VT-3** N/A 4/12/99 Accepted by Examination 72.0 72-A2 1-2.04-99-0016 **VT-3** N/A 4/12/99 Accepted by Examination **VT-3** N/A 4/12/99 72.0 72-A3 1-2.04-99-0015 Accepted by Examination

72-SC-59

SERVICE WATER TO

EMER SW PUMPS/HX'S

DIESEL GEN. COOLING

WATER

80-03-WD-003

79

80.0

1-2.04-99-0107

1-2.04-98-0013

1-2.04-98-0014

1-2.04-98-0018

1-2.04-99-0004

1-2.04-99-0005

1-4.00-99-0141

VT-3

VT-2

VT-2

VT-2

VT-2

VT-2

MT

N/A

N/A

N/A

N/A

N/A

N/A

100

4/20/99

8/14/98

8/14/99

9/2/98

1/12/99

1/12/99

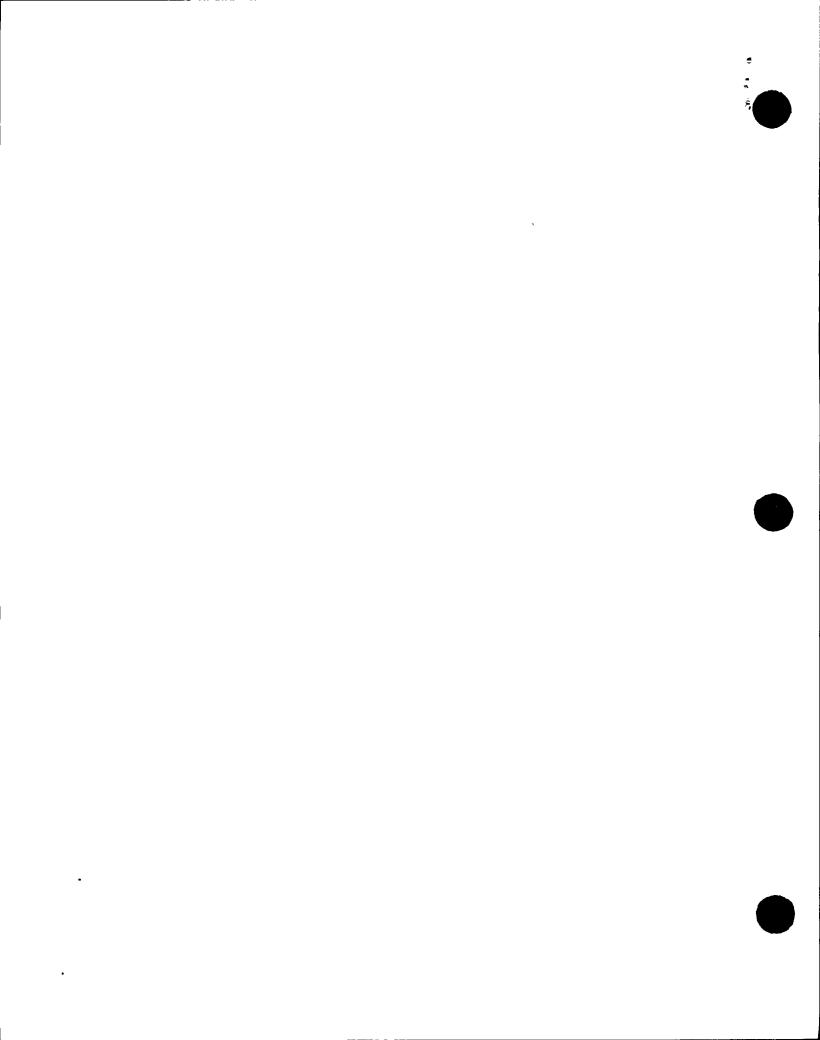
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Accepted by Examination

Accepted by Examination

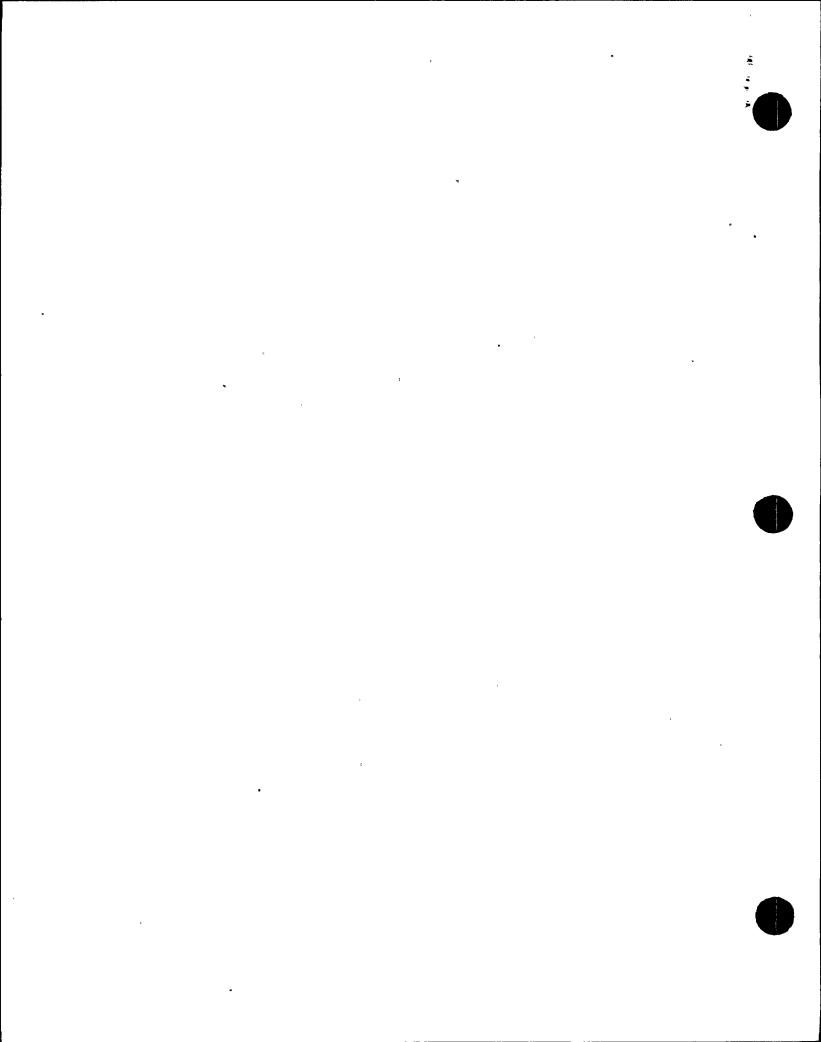
Accepted by Examination

Accepted by Examination



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- *	1999	Outage Summary	Report -	ADSTRACT	or Exami	nations
	Exam Item	Data Sheet	Exam	%	Exam	
		Number	Type	Comp.		Comments
80.0	80-03-WD-004	1-4.00-99-0131 1-6.26-99-0084	MT UT-0	100 100	5/1/99 5/1/99	Accepted by Examination
		1-6.26-99-0085	UT-0	100	5/1/99	
		1-6.26-99-0086	UT-45	99.9	5/1/99	
80.0	80-13-WD-001	1-4.00-99-0004	MT	100	3/12/99	Accepted by Examination
80.0	80-13-WD-002	1-4.00-99-0005	MT	100	3/12/99	Accepted by Examination
80.0	80-13-WD-003	1-4.00-99-0006	MT	100	3/12/99	Accepted by Examination
80.0	80-13-WD-004	1-4,00-99-0007	MT	100	3/12/99	Accepted by Examination
80.0	80-MS-4	1-2.04-99-0101	VT-3/4	N/A	4/17/99	Accepted by Examination
80.0	80-MS-5	1-2.04-99-0100	VT-3/4	N/A	4/17/99	Accepted by Examination
80.0	80-WD-123	1-4.00-99-0032	MT	100	4/17/99	Accepted by Examination
60.0	00-140-123	1-6.05-99-0033	UT-0	100	4/17/99	Accepted by Examination
		1-6.26-99-0024	UT-45	100	4/17/99	
		1-6.26-99-0025	UT-0	100	4/17/99	
80.0	80-WD-128	1-4.00-99-0033	MT	100	4/17/99	Accepted by Examination
		1-6.05-99-0034	UT-0	100	4/17/99	
		1-6.26-99-0028	UT-0	100	4/17/99	
	•	1-6.26-99-0029 1-6.26-99-0030	UT-45 UT-45	100 100	4/17/99 4/17/99	•
80.0	80-WD-144	1-4.00-99-0022	MT	100	4/16/99	Accepted by Examination
00.0	00-1110-144	1-6.26-99-0006	UT-45	100	4/16/99	Accepted by Examination
80.0	80-WD-145	1-4.00-99-0083	MT	100	4/16/99	Accepted by Examination
	35 3.2 3.3	1-6.26-99-0038	UT-0	100	4/21/99	,, <u></u>
		1-6.26-99-0039	UT-45	91	4/21/99	
		1-6.26-99-0063	UT-0	100	4/16/99	
80.0	80-WD-167	1-4.00-99-0097	MT	100	4/24/99	Accepted by Examination
		1-6.26-99-0050	OT-0	100	4/24/99	
		1-6.26-99-0051 1-6.26-99-0052	UT-0 UT-45	100 100	4/24/99 4/24/99	
80.0	80-WD-169	1-4,00-99-0026	MT	100	4/17/99	Accepted by Examination
00.0	00-110-100	1-6.05-99-0029	UT-0	100	4/17/99	Accepted by Examination
		1-6.26-99-0016	∪ா-0	100	4/17/99	,
	<u> </u>	1-6.26-99-0017	UT-45	100	4/17/99	
80.0	80-WD-170	1-4.00-99-0027	MT .	100	4/17/99	Accepted by Examination
		1-6,05-99-0030	UT-0 UT-45	100 100	4/17/99 4/17/99	
		1-6.26-99-0018 1-6.26-99-0019	UT-0	100	4/17/99	
80.0	80-WD-171	1-4.00-99-0028	MT	100	4/17/99	Accepted by Examination
5515	33 1.2 1.1	1-6.05-99-0031	UT-0	100	4/17/99	7,000ptod by Examination
		1-6.26-99-0022	UT-0	100	4/17/99	
		1-6.26-99-0023	UT-45	100	4/17/99	
80.0	80-WD-176	1-4.00-99-0024	MT	100	4/17/99	Accepted by Examination
		1-6.26-99-0013 1-6.26-99-0032	UT-45 UT-0	100 100	4/17/99 4/17/99	
80.0	80-WD-178	1-4.00-99-0025	MT	100	4/17/99	Accepted by Examination
80.0	00-44D-170	1-6.26-99-0014	UT-45	100	4/17/99	Accepted by Examination
		1-6.26-99-0031	UT-0	100	4/17/99	
80.0	80-WD-194	1-4.00-99-0107	MT	100	4/29/99	Accepted by Examination
		1-6.26-99-0075	UT-0	100	4/29/99	•
		1-6.26-99-0076	UT-0	100	4/29/99	
		1-6.26-99-0077	UT-45	100	4/29/99	
80.0	80-WD-195	1-4.00-99-0108 1-4.00-99-0171	MT MT	100 100	4/29/99 5/13/99	Accepted By Evaluation DER 1-1999-1405
		1-6.26-99-0078	UT-0	100	4/29/99	DER 1-1999-1405
		1-6.26-99-0079	UT-0	100	4/29/99	
		1-6.26-99-0080	UT-45	100	4/29/99	
y		1-6.26-99-0081	UT-60	91.9	4/29/99	
80	CONT SPRAY RAW	1-2.04-99-0001	VT-2	N/A	1/4/99	Accepted by Examination
	WATER	1-2.04-98-0011 1-2.04-98-0012	VT-2 VT-2	N/A N/A	8/3/98 8/6/98	
		1-2.04-98-0012	VT-2 VT-2	N/A N/A	1/7/99	
80	CONTAINMENT SPRAY	1-2.04-98-0030	VT-2	N/A	12/28/98	Accepted by Examination
	SOUTHWEST OF INT	1-2,04-30-0000	¥1-4	13//	15/50/30	And other my Evaluation



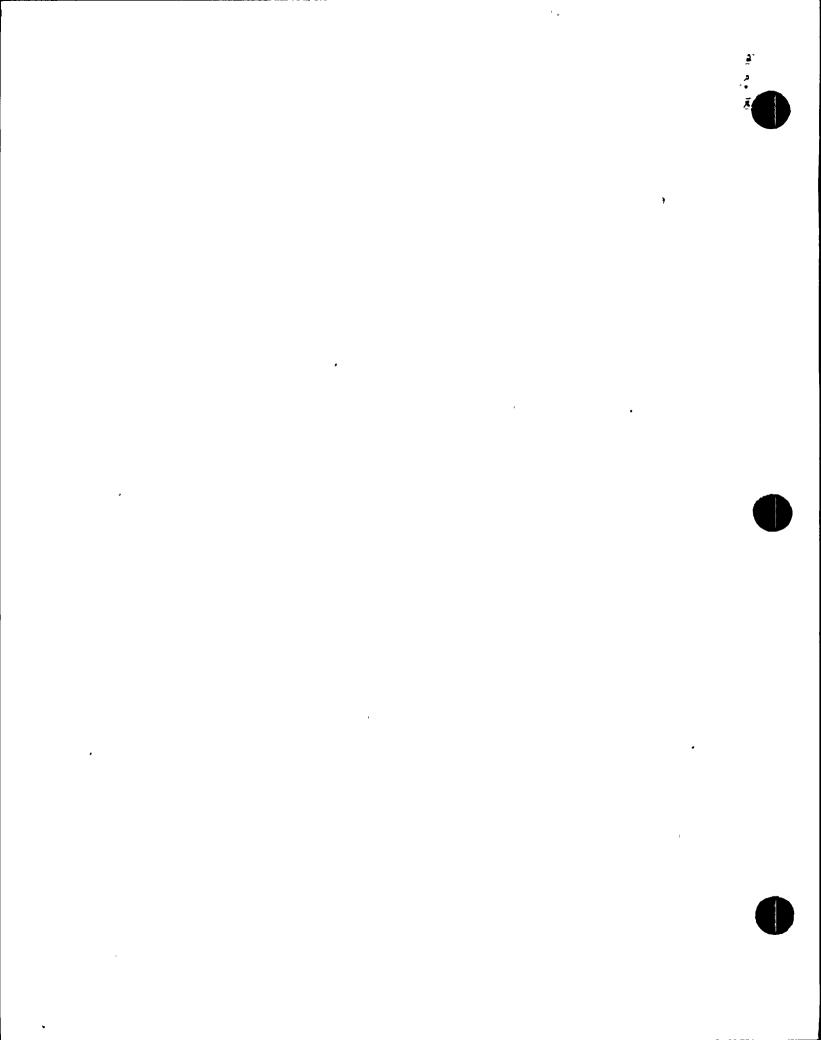
Niagara Mohawk Power Corporation, PO Box 63, Lycoming, NY 13093
Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec. 1969

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1999	Outage	Summary	Report	-	Abstract	of	Examinations

_ `	1999	Outage Summary	Heport -		of Exami	nations	
A	S	Data Sheet	Exam	%	Exam		
	Exam Item	Number	Type	Comp.		Comments	
81.0	81-03-WD-005	1-4.00-99-0042	MT	100	4/21/99	Accepted by Examination	
B1.0	81-03-WD-006	1-4.00-99-0043	MT	100	4/21/99	Accepted by Examination	
31.0	81-03-WD-007	1-4.00-99-0044	MT	100	4/21/99	Accepted by Examination	
31.0	81-03-WD-008	1-4.00-99-0045	MT	100	4/21/99	Accepted by Examination	
31.0	81-03-WD-013	1-4.00-99-0046	MT	100	4/21/99	Accepted by Examination	
31.0	81-MS-2	1-2.04-99-0014	VT-3/4	N/A	4/12/99	Accepted by Examination	
81	CORE SPRAY	1-2.04-99-0249	VT-2	N/A	5/25/99	Accepted by Examination	
,,	CORESPIRAT	1-2.04-98-0020	VT-2	N/A	9/15/98	Accepted by Examination	
		1-2.04-99-0006	VT-2	N/A	1/15/99		
	-	1-2.04-99-0109	VT-2	N/A	4/21/99		
31.0	CORE SPRAY	*1-2.04-98-0028	VT-2	N/A	12/14/98	Accepted by Examination	
31.1	81.1-WD-047	1-4.00-99-0106	MT	100	4/29/99	Accepted by Examination	
,	01.1-11.0-0-7	1-6.26-99-0071	UT-0	100	4/30/99	Accepted by Examination	
	•	1-6.26-99-0072	UT-0	100	4/29/99		
		1-6.26-99-0073	UT-45	95.5	4/29/99		
		1-6.26-99-0074	UT-60	N/A	4/29/99	(
33	DRYWELL SUMP	1-2.04-99-0240	VT-2	N/A	5/20/99	Accepted by Examination	
	·	1-2.04-99-0287	VT-2	N/A_	6/11/99		
91	CONDENSATE STORAGE	1-2.04-99-0097	VT-2	N/A	4/17/99	Accepted by Examination	
	& TRANSFER	1-2.04-99-0098	VT-2	N/A	4/17/99		
	· 	*1-2.04-98-0025	VT-2	N/A	11/10/98		
3 ·	CONT SPRAY RAW	1-2.04-99-0001	VT-2	N/A	1/4/99	Accepted by Examination	
	WATER	1-2.04-98-0011	VT-2	N/A	8/3/98		
		1-2.04-98-0012	VT-2	N/A	8/6/98		
		1-2.04-99-0003	VT-2	N/A	1/7/99		
	93.1-WD-005	1-4.00-99-0084	MT	100	4/21/99	Accepted by Examination.	
		1-6.26-99-0040	UT-45	100	4/22/99		
21		1-6.26-99-0041	<u>UT-0</u>	100	4/22/99		
3.1	93.1-WD-020	1-4.00-99-0104	MT	100	4/23/99	Accepted by Examination	
		1-6.26-99-0053 1-6.26-99-0054	UT-0 UT-0	100 100	4/23/99 4/23/99		
		1-6.26-99-0055	UT-45	100	4/23/99	/	
		1-6.26-99-0056	UT-45	100	4/23/99		
		1-6.26-99-0057	UT-60 -	100	4/23/99		
3.1	93.1-WD-022	1-4.00-99-0093	MT	100	4/23/99	Accepted by Examination	
		1-6.26-99-0045	UT-0	100	4/23/99		
		1-6.26-99-0046	UT-45	100	4/23/99		
		1-6.26-99-0047	UT-45	100	4/23/99		
3.1	93.1-WD-028	1-4.00-99-0041	MT	100	4/19/99	Accepted by Examination	
		1-6.26-99-0035	ΩT-0	100	4/19/99		
- :		1-6.26-99-0036	UT-45	100	4/19/99		
3.1	93.1-WD-029	1-4.00-99-0040	MT	100	4/19/99	Accepted by Examination	
		1-6.26-99-0033	UT-45	100	4/19/99 4/19/99		
10	DEACTOR WATER	1-6.26-99-0034	UT-0	100		Accorded by French Street	
10	REACTOR WATER	1-2.04-99-0242	VT-2	N/A	5/22/99	Accepted by Examination	
101	SAMPLE	*1-2.04-98-0026	VT-2	N/A	11/24/98	Accepted by Francis - V-	
21	TORUS DRAIN / WATER QUALITY	*1-2.04-98-0019	VT-2	N/A	9/15/98	Accepted by Examination	
100	CONTROL ROOM	1-2.04-98-0016	VT-2	N/A	8/27/98	Accepted by Examination	
10.1	VENTILATION COOLING					, ,	







Nine Mile Point Nuclear Power Station Unit 1 NMP1-ISI-99-05

SECOND INSERVICE INSPECTION INTERVAL

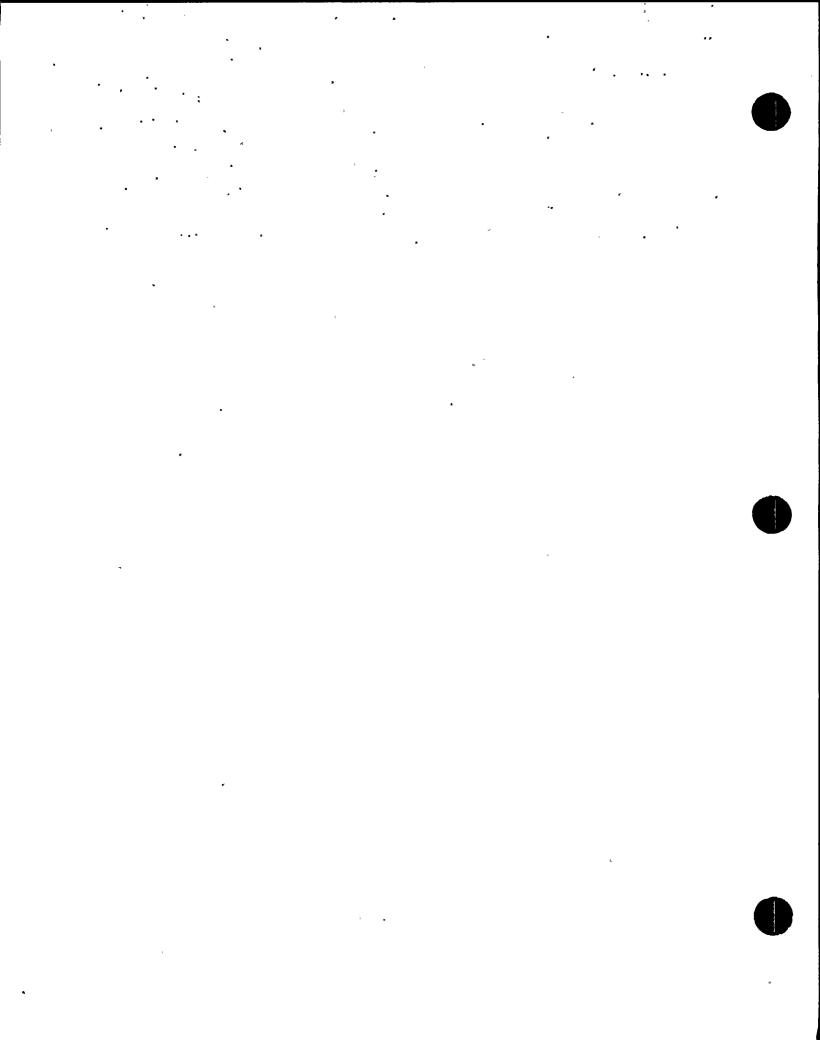
INSERVICE INSPECTION SUMMARY REPORT SUBMITTAL

Rev. 0

September 14, 1999

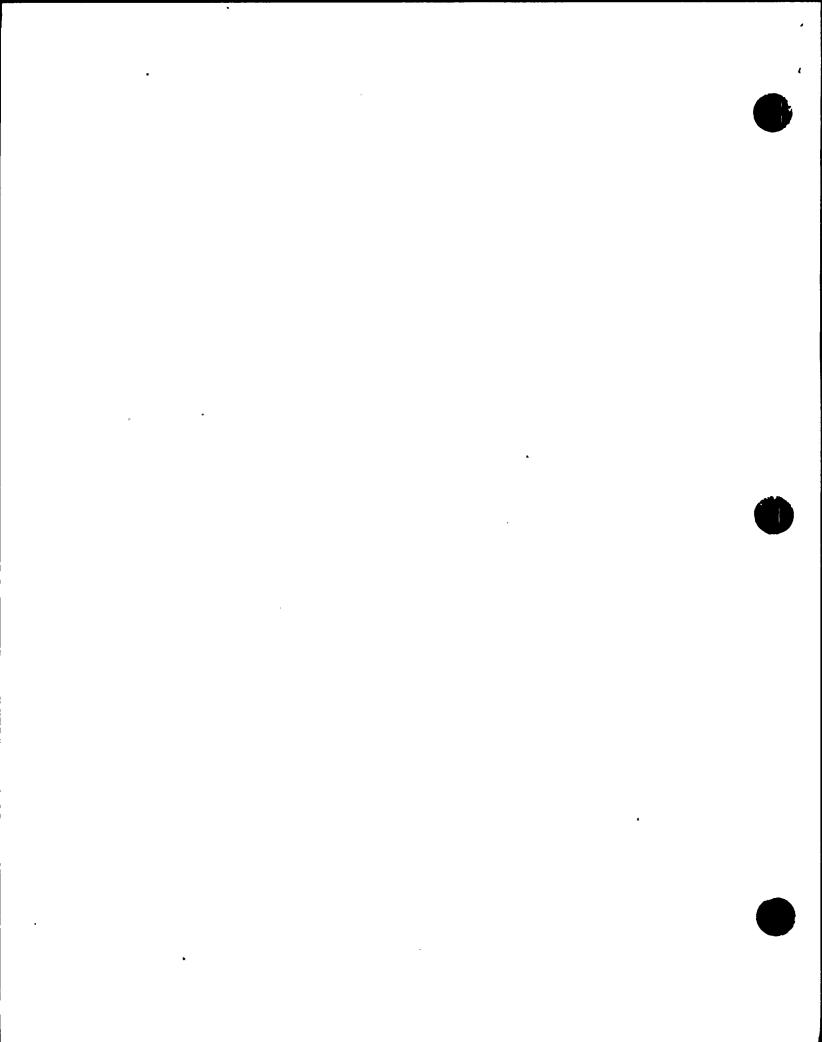
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APPENDIX C AUGMENTED EXAMINATION LISTING Pages 1 thru 7



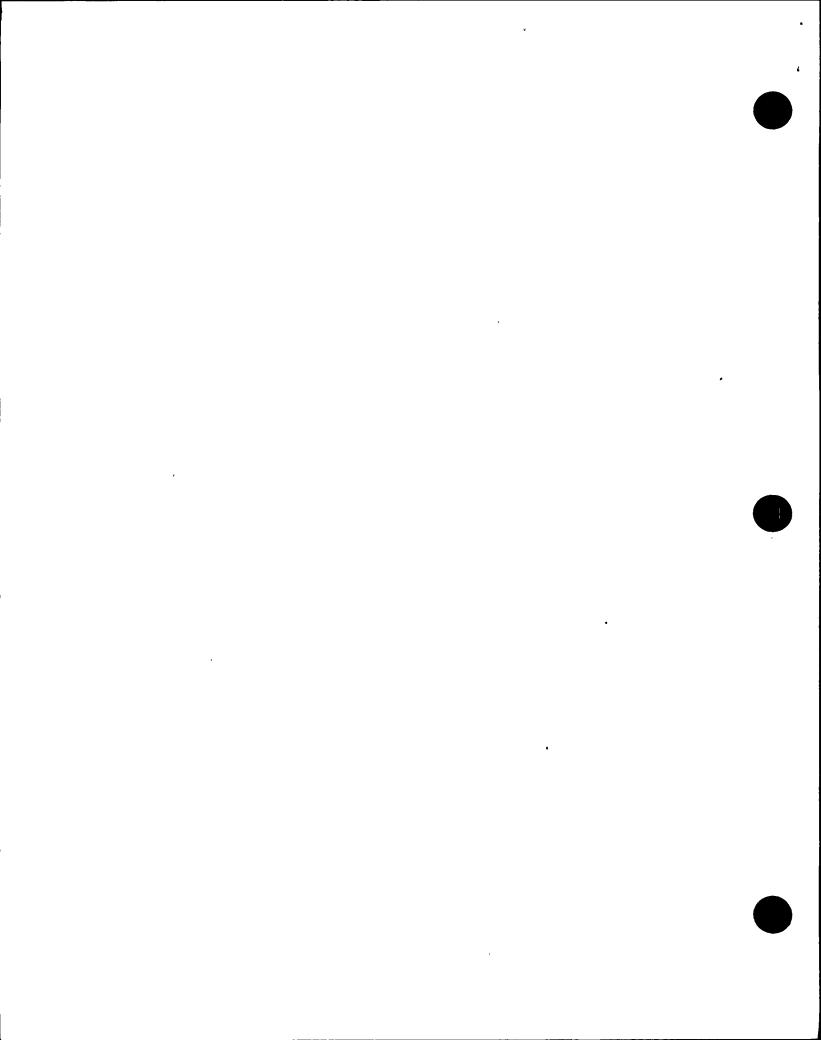
Page: 1 of 7

		1999 Ou	itage Summary Rep				
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W	00.0	31-WD-030 (BORE)	Number	Type	Comp.	Date	Comments
	00.0	·	G2K-9909	UT-AUTO	100	4/30/99	Accepted by Examination
		31-WD-051 (BORE)	G2K-9911	UT-AUTO	100	5/1/99	Accepted by Examination
	00.0	31-WD-060 (BORE)	G2K-9912	UT-AUTO	100	5/1/99	Accepted by Examination
	00.0	32-WD-002	R-017	UT-AUTO	100	5/20/99	Accepted by Examination
`	00.0	32-WD-122 ·	R-013	UT-AUTO	95	5/19/99	Accepted by Examination
	0.00	32-WD-126	1-6.06-99-0018	UT-WSY	100	4/30/99	Accepted By Evaluation
			1-6.06-99-0019	UT-50	100	4/30/99	DER 1-1999-1411
			1-6.06-99-0020	UT-60	100	4/30/99	Expanded Scope
			1-6.24-99-0108 1-6.24-99-0109	UT-45 UT-45	100 100	4/29/99 4/29/99	•
	00.0	32-WD-167	R-003	UT-AUTO	97	5/17/99	Accepted by Examination
	00.0	39-WD-002	R-004	UT-AUTO	90.3		The state of the s
	33.5	00 115 002	11904	01-2010	90.3	5/22/99	Accepted by Examination Expanded Scope
	00.0	39-WD-090	1-3.00-99-0078	PT	100	4/27/99	Accepted by Examination
			R-010	UT-AUTO	94	5/20/99	Accepted by Examination
	00.0	40-WD-081-IR	G2K-9918	UT-60/70	78.1	5/2/99	Accepted by Examination
	0.00	44.1-WD-018-IR(0619)	G2K-9920	UT-AUTO	100	5/3/99	Accepted by Examination
	00.0	DRV-44-3407(NC02)	CRDH-01	UT-AUTO	100	4/25/99	Accepted by Examination
	00.0	DRV-44-3419(NC02)	CRDH-01	UT-AUTO	100	4/25/99	Accepted by Examination
	00.0	H1	FTI Report	UT-AUTO	N/A	5/7/99	Accepted by Examination
	00.0	H2	FTI Report	UT-AUTO	N/A	5/7/99	
	00.0	H4	FTI Report	UT-AUTO			Accepted by Examination
	00.0	H5			N/A	5/3/99	Accepted by Examination
	00.0	H6B	FTI Report	UT-AÚTO	N/A	5/6/99	Accepted by Examination
			FTI Report	· UT-AUTO	N/A	5/7/99	Accepted by Examination
	00.0	H8	NMP1R15-99-9	EVT-1	N/A	5/5/99	Accepted by Examination
W	00.0	H9	NMP1R15-99-8	EVT-1	N/A	5/3/99	Accepted by Examination
	00.0	H9-090	NMP1R15-99-8	VT-1	N/A	5/3/99	Accepted by Examination
	00.0	H9-166	NMP1R15-99-8	VT-1	N/A	5/3/99	Accepted by Examination
	00.0	H9-270	NMP1R15-99-8	VT-1	N/A	5/3/99	Accepted by Examination
	00.0	H9-350	NMP1R15-99-8	VT-1	N/A	5/3/99	Accepted by Examination
	00.0	SIL409-IDTC3645	R15-99-10	VT-1	N/A	4/22/99	Accepted by Examination
	00.0	SIL571-N12	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	0.00	SIL571-N13A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
-	0.00	SIL571-N13B	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	00.0	SIL571-N14A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
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	0.00	SIL571-N15A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	0.00	SIL571-N15B	1-2.04-99-0266	VT-2	· N/A	6/12/99	Accepted by Examination
	00.0	SIL571-N16A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
•	00.0	SIL571-N16B	1-2.04-99-0266	VT-2	N/A		
	00.0	SIL571-N17A	1-2.04-99-0266	VT-2		6/12/99	Accepted by Examination
	00.0	SIL571-N17B			N/A	6/12/99	Accepted by Examination
	00.0		1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	00.0	TOPGUIDE BWRVIP-26	R15-99-11	VT-1	N/A	4/22/99	Accepted by Examination
		V1	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
	00.0	V10	FTI Report	UT-AUTO	N/A	5/2/99	Accepted by Examination
	00.0	V11	FTI Report	UT-AUTO	N/A	4/25/99	Accepted by Examination
	00.0	V12	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
	00.0	V13	FTI Report	UT-AUTO	N/A	4/26/99	Accepted by Examination
1	00.0	V14	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
I C	0.00	V15	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
	00.0	V16 .	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
	00.0	V2	FTI Report	UT-AUTO	N/A	5/9/99	Accepted by Examination
	00.0	V3	FTI Report	UT-AUTO	N/A	5/9/99	Accepted by Examination
	00.0	V4	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
	00.0	V5	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
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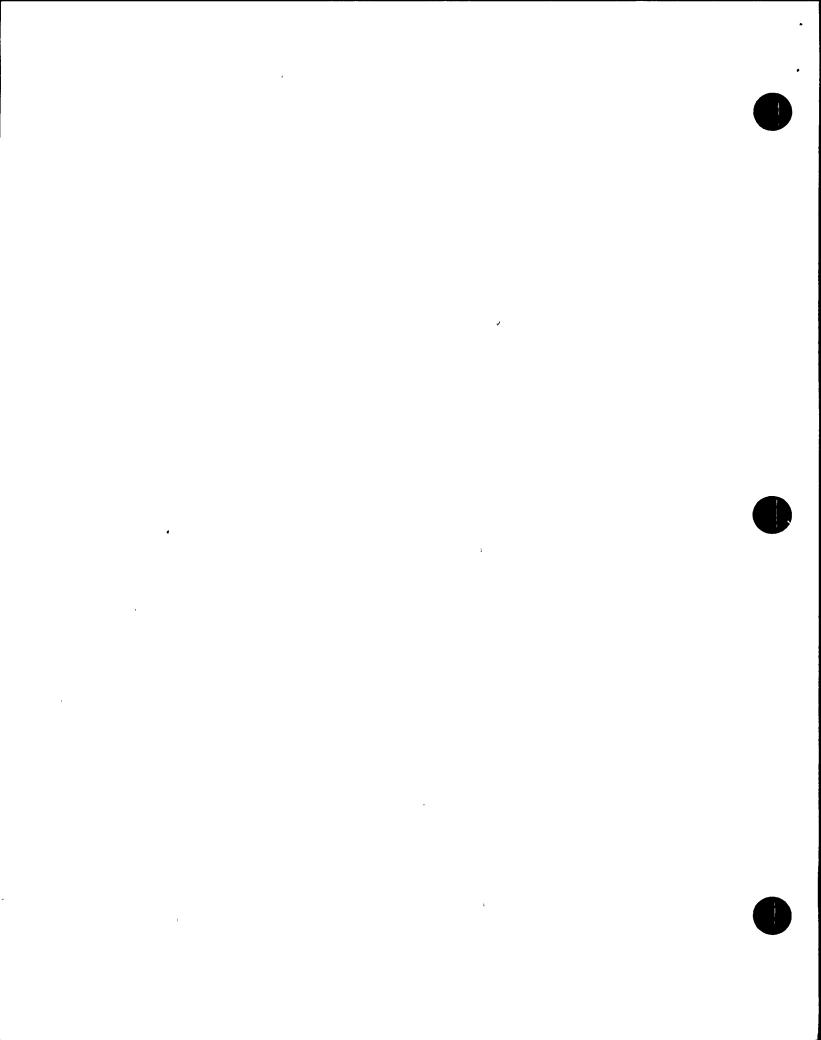
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	V6		UT-AUTO	N/A	5/8/99	Accepted by Examination
00.0		FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
00.0	V8	FTI Report	UT-AUTO	N/A	5/8/99	Accepted by Examination
00.0	V9	FTI Report	UT-AUTO	N/A	5/4/99	Accepted by Examination
01.0	01-04-VBY	1-2.04-99-0161	VT-3	N/A	4/28/99	Accepted by Examination
32.0	32-WD-003	1-6.24-99-0117	UT-45	100	4/30/99	Accepted by Examination
		1-6.24-99-0118	UT-45	100	4/30/99	Expanded Scope
32.0	32-WD-004	1-6.06-99-0038	UT-45	100	5/14/99	Accepted by Examination
		1-6.06-99-0040	UT-60	100	5/14/99	Expanded Scope
		1-6.24-99-0275 1-6.24-99-0276	UT-WSY UT-0	100 100	5/11/99 5/11/99	
		1-6.24-99-0277	UT-45	100	5/9/99	
		1-6.24-99-0278	UT-60	100	5/9/99	
	•	1-6.24-99-0279	UT-60	100	5/11/99	1
		1-6.24-99-0291	UT-45	100	5/14/99	
32.0	32-WD-004	1-6.24-99-0063	UT-45	100	4/23/99	Accepted by Examination Mixing Tee Base Metal Scan
32.0	32-WD-004A	1-6.24-99-0254	UT-45	100	5/8/99	Accepted by Examination
	001/17 0017	1-6.24-99-0255	UT-60	100	5/8/99	Expanded Scope
32.0	32-WD-004B	1-6.24-99-0064	UT-45	100	4/24/99	Accepted by Examination
32.0	32-WD-004CR	1-6.24-99-0287	UT-0	57 50	5/11/99	Accepted by Examination
		1-6.24-99-0288	UT-45 UT-60	50 50	5/11/99 5/11/99	Expanded Scope
32.0	32-WD-005	1-6.24-99-0289 1-6.24-99-0252	UT-45	100	5/8/99	Accepted by Examination .
32.0	32-110-005	1-6.24-99-0253	UT-60	100	5/8/99	Expanded Scope
32.0	32-WD-007	1-6.24-99-0256	UT-45	100	5/9/99	Accepted by Examination
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	02 110 007	1-6.24-99-0257	UT-60	100	5/9/99	Expanded Scope
		1-6.24-99-0258	UT-70	100	5/9/99	
32.0	32-WD-007A	1-6.24-99-0167	UT-45	100	5/4/99	Accepted by Examination
<u> </u>		1-6.24-99-0168	UT-60	100	5/4/99	Expanded Scope
32.0	32-WD-007B	1-6.24-99-0165	UT-45	100	5/4/99	Accepted by Examination Expanded Scope
32.0	32-WD-008	1-6.24-99-0227	UT-45	100	5/8/99	Accepted by Examination Expanded Scope
32.0	32-WD-009	1-6.24-99-0216	UT-45	100	5/6/99	Accepted by Examination
		1-6.24-99-0217	UT-60	100	5/6/99	Expanded Scope
32.0	32-WD-010	1-6.24-99-0218 1-6.24-99-0219	UT-45 UT-60	100 100	5/6/99 5/6/99	Accepted by Examination Expanded Scope
32.0	32-WD-012	1-6.24-99-0139	UT-45	100	5/2/99	Accepted by Examination
20.6	00 MD 045	1-6.24-99-0140	<u>UT-45</u>	100	5/2/99	Expanded Scope
32.0	32-WD-015	1-6.24-99-0153 1-6.24-99-0154	UT-45 UT-60	100 100	5/2/99 5/2/99	Accepted by Examination Expanded Scope
32.0	32-WD-017	1-6.24-99-0155	UT-45	100	5/2/99	Accepted by Examination
VV	V6-11U-V17	1-6.24-99-0156	UT-60	100	5/2/99	Expanded Scope
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		1-6.24-99-0215	UT-60	100	5/6/99	Expanded Scope
			UT-45	100	5/6/99	Accepted by Examination
32.0	32-WD-035	1-6.24-99-0212				
		1-6.24-99-0213	UT-60	100	5/6/99	Expanded Scope
32.0	32-WD-036	1-6.24-99-0213 1-6.24-99-0247	UT-60 UT-45	100	5/6/99 5/7/99	Expanded Scope Accepted by Examination Expanded Scope
		1-6.24-99-0213 1-6.24-99-0247 1-6.24-99-0230	UT-60 UT-45 UT-45	100	5/6/99 5/7/99 5/7/99	Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination
32.0	32-WD-036 32-WD-039	1-6.24-99-0213 1-6.24-99-0247 1-6.24-99-0230 1-6.24-99-0231	UT-60 UT-45 UT-45 UT-45	100 100 100	5/6/99 5/7/99 5/7/99 5/7/99	Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope
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32.0 32.0 32.0	32-WD-036 32-WD-039 32-WD-040	1-6.24-99-0213 1-6.24-99-0247 1-6.24-99-0230 1-6.24-99-0231 1-6.24-99-0234 1-6.24-99-0235	UT-60 UT-45 UT-45 UT-45 UT-45 UT-45	100 100 100 100	5/6/99 5/7/99 5/7/99 5/7/99 5/7/99 5/7/99	Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope
32.0	32-WD-036 32-WD-039	1-6.24-99-0213 1-6.24-99-0247 1-6.24-99-0230 1-6.24-99-0231 1-6.24-99-0234 1-6.24-99-0235 1-6.06-99-0006	UT-60 UT-45 UT-45 UT-45 UT-45	100 100 100 100	5/6/99 5/7/99 5/7/99 5/7/99	Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination
32.0 32.0 32.0	32-WD-036 32-WD-039 32-WD-040	1-6.24-99-0213 1-6.24-99-0247 1-6.24-99-0230 1-6.24-99-0231 1-6.24-99-0234 1-6.24-99-0235	UT-45 UT-45 UT-45 UT-45 UT-45 UT-45 UT-WSY UT-52 UT-Bimodal	100 100 100 100 100 N/A N/A N/A	5/6/99 5/7/99 5/7/99 5/7/99 5/7/99 4/24/99 4/24/99 4/24/99	Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope
32.0 32.0 32.0	32-WD-036 32-WD-039 32-WD-040	1-6.24-99-0213 1-6.24-99-0237 1-6.24-99-0231 1-6.24-99-0234 1-6.24-99-0235 1-6.06-99-0006 1-6.06-99-0009	UT-60 UT-45 UT-45 UT-45 UT-45 UT-45 UT-WSY UT-52	100 100 100 100 100 N/A N/A	5/6/99 5/7/99 5/7/99 5/7/99 5/7/99 4/24/99 4/24/99	Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope Accepted by Examination Expanded Scope



Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec .1969

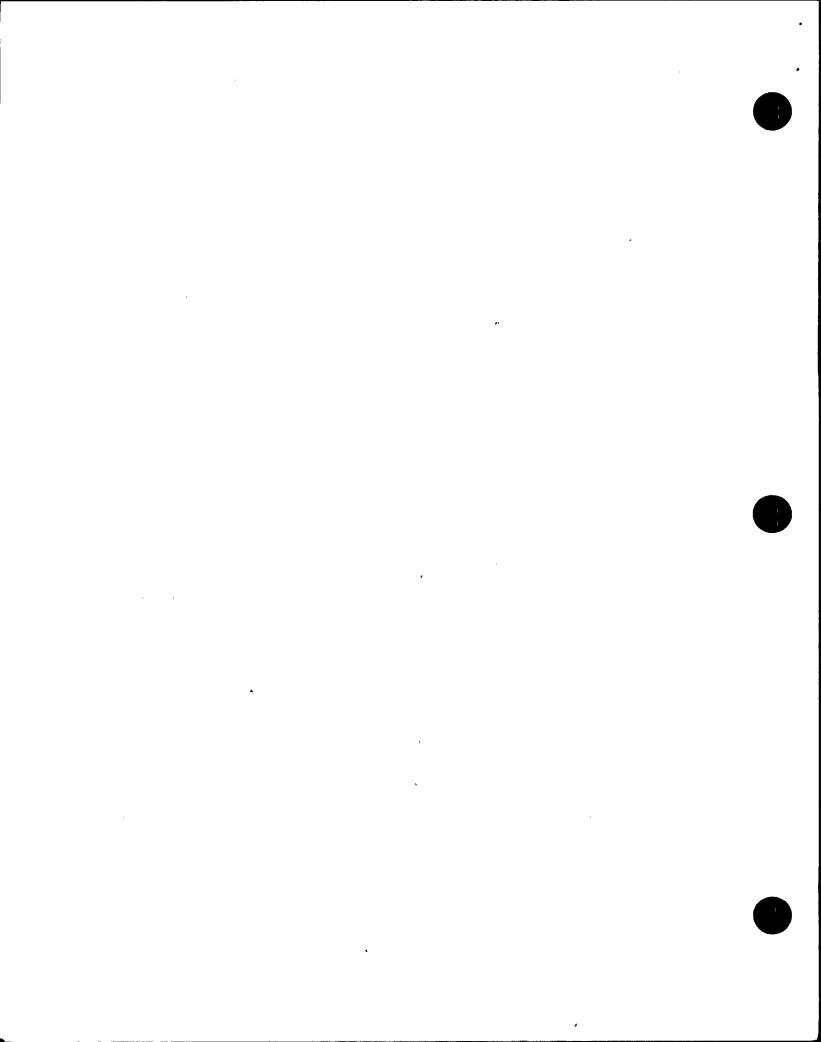
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1999 Outage Summary Report - Augmented Examinations Data Sheet % Exam Exam Sys Exam Item Number Comp. Date Type Comments 32.0 32-WD-047 1-6.24-99-0111 UT-45 100 4/30/99 Accepted by Examination 1-6.24-99-0112 UT-45 100 4/30/99 **Expanded Scope** 32.0 32-WD-048 1-6.24-99-0203 UT-45 100 5/6/99 Accepted by Examination **Expanded Scope** 32.0 32-WD-049 1-6.24-99-0180 UT-45 100 5/5/99 Accepted by Examination 1-6.24-99-0181 UT-60 5/5/99 100 **Expanded Scope** 32.0 32-WD-050 1-6.06-99-0002 UT-45 100 4/20/99 Accepted By Evaluation 1-6.06-99-0003 UT-60 100 4/20/99 DER 1-1999-1211 1-6.06-99-0004 UT-60 100 4/20/99 1-6.06-99-0005 UT-ODCR 100 4/20/99 1-6.24-99-0020 UT-45 100 4/16/99 1-6.24-99-0021 **UT-60** 100 4/16/99 32.0 32-WD-052 1-6.24-99-0143 **UT-45** 5/2/99 100 Accepted by Examination 1-6.24-99-0144 UT-45 100 5/2/99 **Expanded Scope** 32.0 32-WD-055 1-6.24-99-0172 UT-60 100 Accepted by Examination 5/4/99 1-6.24-99-0173 **UT-45** 100 5/4/99 Expanded Scope 32.0 32-WD-061 1-6.24-99-0048 **UT-45** 100 4/21/99 Accepted by Examination 32.0 32-WD-062 **UT-45** 1-6.24-99-0176 100 5/5/99 Accepted by Examination 1-6.24-99-0177 **UT-60** 100 5/5/99 **Expanded Scope** 32.0 32-WD-075 1-6.24-99-0178 **UT-45** 100 5/5/99 Accepted by Examination 1-6.24-99-0179 UT-60 100 5/5/99 **Expanded Scope** 32.0 32-WD-076 1-6.24-99-0202 UT-45 100 5/6/99 Accepted by Examination **Expanded Scope** 32.0 32-WD-079 1-6.24-99-0190 UT-45 100 5/6/99 Accepted by Examination 1-6.24-99-0191 UT-45 100 5/6/99 **Expanded Scope** 32.0 32-WD-080 1-6.24-99-0192 **UT-45** 100 5/6/99 Accepted by Examination 1-6.24-99-0193 **UT-45** 100 5/6/99 Expanded Scope 32.0 32-WD-081 1-6.24-99-0157 UT-45 100 5/3/99 Accepted by Examination 1-6.24-99-0158 **UT-45** 100 5/3/99 Expanded Scope 32.0 32-WD-087 UT-45 1-6.24-99-0115 100 4/30/99 Accepted by Examination 1-6.24-99-0116 UT-45 100 4/30/99 Expanded Scope 32.0 32-WD-088 UT-45 1-6.24-99-0280 100 5/7/99 Accepted by Examination 1-6.24-99-0281 **UT-60** 100 5/8/99 **Expanded Scope** 32.0 32-WD-089 1-6.24-99-0184 **UT-45** 100 5/5/99 Accepted by Examination 1-6.24-99-0185 UT-60 100 5/5/99 **Expanded Scope** 32.0 32-WD-090 1-6.24-99-0182 **UT-45** 100 5/5/99 Accepted by Examination 1-6.24-99-0183 UT-60 100 5/5/99 **Expanded Scope** 32.0 32-WD-092 1-6.24-99-0169 UT-45 100 5/4/99 Accepted by Examination 1-6.24-99-0171 **UT-45** 100 5/4/99 **Expanded Scope** 32.0 32-WD-095 1-6.24-99-0127 UT-45 100 5/2/99 Accepted by Examination 1-6.24-99-0128 **UT-60** 100 5/2/99 **Expanded Scope** 32.0 32-WD-097 1-6.24-99-0133 UT-45 100 5/2/99 Accepted by Examination 1-6.24-99-0134 **UT-60** 100 5/2/99 **Expanded Scope** 32.0 32-WD-101 1-6.24-99-0166 UT-45 100 5/4/99 Accepted by Examination 1-6.24-99-0170 **UT-45** 100 5/4/99 **Expanded Scope** 32.0 32-WD-102 1-6.24-99-0186 UT-45 100 5/5/99 Accepted by Examination 1-6.24-99-0187 **UT-60** 100 5/5/99 **Expanded Scope** 32.0 32-WD-115 **UT-45** 1-6.24-99-0188 100 5/5/99 Accepted by Examination 1-6.24-99-0189 **UT-60** 100 5/5/99 **Expanded Scope** 32.0 32-WD-116 1-6.24-99-0282 UT-45 100 5/7/99 Accepted by Examination 1-6.24-99-0283 **UT-60** 100 5/8/99 **Expanded Scope** 32.0 32-WD-119 1-6.06-99-0037 UT-45 100 5/14/99 Accepted by Examination 1-6.06-99-0039 UT-60 100 5/14/99 **Expanded Scope** 1-6.24-99-0284 **UT-45** 100 5/8/99 1-6.24-99-0285 **UT-45** 100 5/8/99 1-6.24-99-0286 **UT-60** 100 5/12/99 1-6.24-99-0290 UT-45 100 5/14/99 32.0 32-WD-120 1-6.24-99-0238 **UT-45** 100 5/8/99 Accepted by Examination 1-6.24-99-0239 **UT-45** 100 5/8/99 Expanded Scope 32.0 32-WD-121 1-6.24-99-0149 **UT-45** 100 5/3/99 Accepted by Examination **Expanded Scope** 1-6.24-99-0150 **UT-45** 100 5/3/99



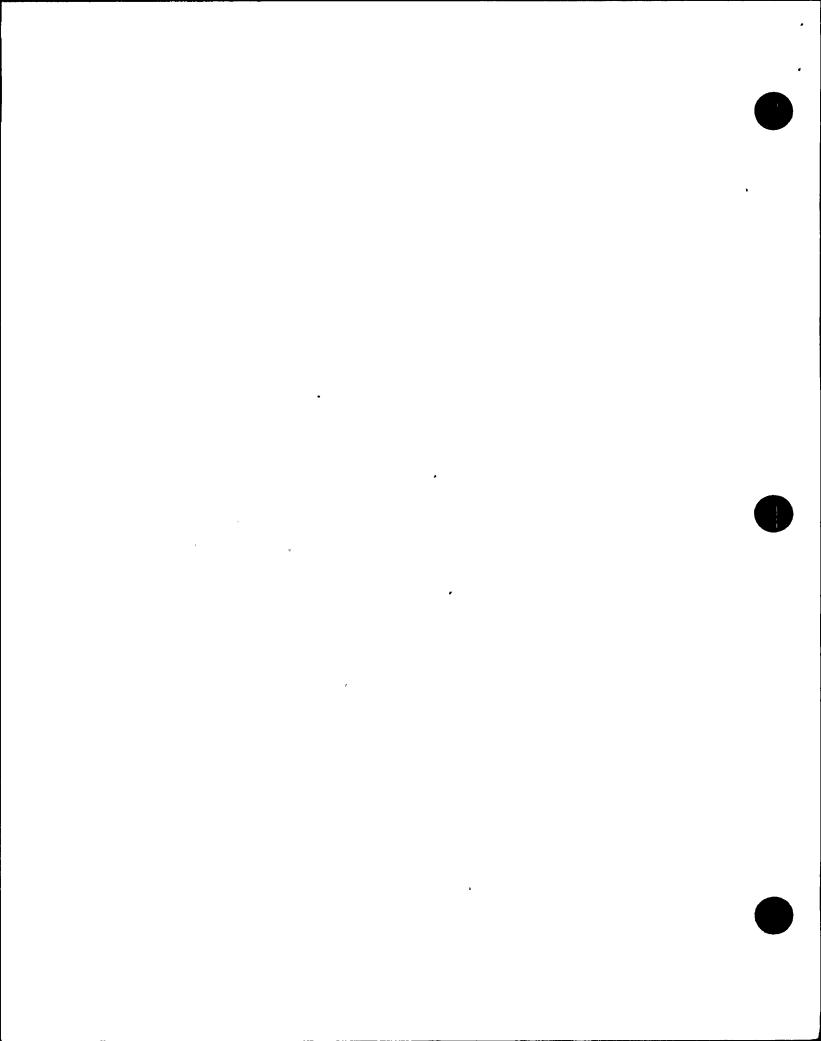
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_	1333 0	Data Sheet		% %	aminations	l
Sys	Exam Item	Number	Exam Type	Comp.	Exam Date	Comments
32.0	32-WD-126(Cont.)	1-6.06-99-0026	UT-45	N/A	5/4/99	Accepted By Evaluation
	, ,	1-6.06-99-0029	UT-45	N/A	5/4/99	DER 1-1999-1411
		1-6.06-99-0032	UT-60	N/A	5/4/99	Expanded Scope
		• R-007	UT-AUTO	100	5/20/99	
32.0	32-WD-127	1-6.24-99-0232	UT-45	100	5/8/99	Accepted by Examination
		1-6.24-99-0233	UT-60-RL	100	5/8/99	Expanded Scope
32.0	32-WD-128	1-6.24-99-0267	UT-0	100	5/11/99	Accepted by Examination
		1-6.24-99-0268	UT-45	100	5/8/99	Expanded Scope
		1-6.24-99-0269	UT-60	100	5/8/99	
	00 4/0 4004	1-6.24-99-0270	UT-70	100	5/11/99	A
32.0	32-WD-128A	1-6.24-99-0271	UT-0 UT-45	100 100	5/11/99 5/8/99	Accepted by Examination
		1-6.24-99-0272 1-6.24-99-0273	UT-60	100	5/8/99	Expanded Scope
		1-6.24-99-0274	UT-70	100	5/11/99	
32.0	32-WD-129	1-6.24-99-0075	UT-45	100	4/27/99	Accepted by Examination
32.0	32-WD-130	1-6.24-99-0228	UT-45	100	5/8/99	Accepted by Examination Expanded Scope
32.0	32-WD-131	1-6.24-99-0208	UT-45	100	5/6/99	Accepted by Examination
02.0	02 110 10 1	1-6.24-99-0209	UT-60	100	5/6/99	Expanded Scope
32.0	32-WD-132	1-6.24-99-0204	UT-45	100	5/6/99	Accepted by Examination
02.0	02 110°102	1-6,24-99-0205	UT-60	100	5/6/99	Expanded Scope
32.0	32-WD-134	1-6.24-99-0137	UT-45	100	5/2/99	Accepted by Examination
32.0	32 15 .	1-6.24-99-0138	UT-45	100	5/2/99	Expanded Scope
32.0	32-WD-137	1-6,24-99-0174	UT-45	100	5/4/99	Accepted by Examination
54.0	32	1-6.24-99-0175	UT-60	100	5/4/99	Expanded Scope
32.0	32-WD-139	1-6.24-99-0039	UT-45	100	4/19/99	Accepted by Examination
_		1-6.24-99-0040	UT-60	100	4/19/99	· · · · · · · · · · · · · · · · · · ·
32.0	32-WD-143	1-6.24-99-0135	UT-45	100	5/2/99	Accepted by Examination
		1-6.24-99-0136	UT-45	. 100	5/2/99	Expanded Scope
32.0	32-WD-144	1-6.24-99-0206	UT-45	100	5/6/99	Accepted by Examination
		1-6.24-99-0207	<u>UT-60</u>	100	5/6/99	Expanded Scope
32.0	32-WD-157	1-6.24-99-0210	UT-45	100	5/6/99	Accepted by Examination
		1-6.24-99-0211	UT-60	100	5/6/99	Expanded Scope
32.0	32-WD-158	1-6.24-99-0229	UT-45	100	5/8/99	Accepted by Examination
						Expanded Scope
32.0	32-WD-161	1-6.24-99-0248	UT-45	100	5/8/99	Accepted by Examination
		1-6.24-99-0249	UT-45	100	5/8/99	Expanded Scope
32.0	32-WD-162	1-6.24-99-0250	UT-45	100	5/8/99	Accepted by Examination
	00.110.400	1-6.24-99-0251	UT-45	100	5/8/99	Expanded Scope
32.0	32-WD-163	1-6.24-99-0113	UT-45	100	4/30/99	Accepted by Examination
00.0	00 14/0 400	1-6.24-99-0114 1-6.06-99-0021	UT-45	100	4/30/99	Expanded Scope Accepted By Evaluation
32.0	32-WD-168	1-6.06-99-0021	UT-WSY UT-60	100 100	5/3/99 5/3/99	DER 1-1999-1255
,		1-6.06-99-0023	UT-45	N/A	5/4/99	Expanded Scope
		1-6.06-99-0024	UT-45	N/A	5/4/99	anpanasa seeps
,		1-6.06-99-0025	UT-60	N/A	5/4/99	
		1-6.06-99-0036	UT-45	100	5/8/99	
•		1-6.24-99-0125	UT-45	100	5/2/99	
	<u> </u>	1-6.24-99-0126	<u>UT-45</u>	100	5/2/99	
32.0	32-WD-168 (Cont.)	1-6.24-99-0226	UT-45	100	5/8/99	Accepted By Evaluation DER 1-1999-1255
		R-005	UT-AUTO	100	5/19/99	Expanded Scope
22.0	32-WD-169	1-6.24-99-0159	UT-45	100	5/4/99	Accepted by Examination
32.0	32.440.103	1-6.24-99-0160	UT-45	100	5/4/99	Expanded Scope
32.0	32-WD-170	1-6.24-99-0046	UT-45	100	4/20/99	
JE.0	OE 110-110	1 0,24 00 0040			., 20, 00	Mixing Tee Base Metal Scan
32.0	32-WD-170	1-6.24-99-0161	UT-45	100	5/4/99	Accepted by Examination
		1-6.24-99-0162	UT-60	100	5/4/99	Expanded Scope
32.0	32-WD-171	1-6.24-99-0221	UT-45	100	5/7/99	Accepted by Examination
 -	·	1-6.24-99-0222	UT-45	100	5/7/99	Expanded Scope
32.0	32-WD-171A	1-6.24-99-0225	UT-45	100	5/7/99	Accepted by Examination
					<u>.</u>	Expanded Scope



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1999 Outage Summary Report - Augmented Examinations Data Sheet % Exam Exam Sys Exam Item Number Comp Date <u>Type</u> Comments 32.0 32-WD-171BR 1-6.24-99-0223 **UT-45** 72.3 5/7/99 Accepted by Examination 1-6.24-99-0224 **UT-60** 72.3 5/7/99 **Expanded Scope** 32.0 32-WD-172 1-6.24-99-0163 **UT-45** 100 5/4/99 Accepted by Examination 1-6.24-99-0164 UT-60 100 5/4/99 **Expanded Scope** 32.0 32-WD-173 1-6.24-99-0194 **UT-45** 100 5/5/99 Accepted by Examination 1-6.24-99-0195 **UT-60** 100 5/5/99 **Expanded Scope** 32.0 32-WD-174 1-6.24-99-0196 **UT-45** 100 5/5/99 Accepted by Examination 1-6.24-99-0197 UT-60 100 5/5/99 Expanded Scope 32.0 32-WD-176 1-6.24-99-0145 UT-45 100 5/2/99 Accepted by Examination 1-6.24-99-0146 UT-45 100 5/2/99 Expanded Scope 32.0 32-WD-179 1-6.24-99-0129 UT-45 100 5/2/99 Accepted by Examination 1-6.24-99-0130 **UT-60** 100 5/2/99 Expanded Scope 32.0 32-WD-181 1-6.24-99-0131 **UT-45** 100 5/2/99 Accepted by Examination 1-6.24-99-0132 UT-60 100 5/2/99 Expanded Scope 32.0 32-WD-185 1-6.24-99-0147 **UT-45** 100 5/2/99 Accepted by Examination 1-6.24-99-0148 **UT-45 Expanded Scope** 100 5/2/99 32.0 32-WD-186 1-6.24-99-0200 UT-45 5/5/99 100 Accepted by Examination 1-6.24-99-0201 UT-60 100 5/5/99 Expanded Scope 32.0 32-WD-199 1-6.24-99-0198 **UT-45** 100 5/5/99 Accepted by Examination 1-6.24-99-0199 UT-60 100 5/5/99 Expanded Scope 32.0 32-WD-200 1-6.24-99-0220 **UT-45** 100 5/7/99 Accepted by Examination **Expanded Scope** 32.0 32-WD-203 1-6.24-99-0241 **UT-45** 100 5/8/99 Accepted by Examination 1-6.24-99-0242 UT-60 100 5/8/99 **Expanded Scope** 32.0 32-WD-204 1-6.24-99-0259 UT-45 100 5/10/99 Accepted by Examination 1-6.24-99-0260 **UT-60** 5/10/99 100 **Expanded Scope** 32.0 32-WD-204A 1-6.24-99-0236 UT-45 100 5/8/99 Accepted by Examination 1-6.24-99-0237 UT-60 100 5/8/99 **Expanded Scope** 32.0 32-WD-205 1-6.24-99-0047 UT-45 100 4/20/99 Accepted by Examination Mixing Tee Base Metal Scan 32,0 32-WD-205 1-6.24-99-0243 UT-45 100 5/8/99 Accepted by Examination 1-6.24-99-0244 UT-60 100 5/8/99 Expanded Scope 32.0 32-WD-206 UT-45 1-6.24-99-0245 100 5/8/99 Accepted by Examination 1-6.24-99-0246 UT-45 5/8/99 100 Expanded Scope 32.0 32-WD-207 1-6.24-99-0151 UT-45 100 5/3/99 Accepted by Examination 1-6.24-99-0152 Expanded Scope 33.0 33-FW-022 1-54-ISI-838-00-Accepted by Examination 99-0001 **UT-45** 62 5/1/99 1-54-ISI-838-00-99-0002 **UT-45** 62 5/1/99 1-54-ISI-838-00-99-003 **UT-60** 62 5/1/99 1-54-ISI-838-00-99-004 UT-60 62 5/1/99 33.0 33-FW-35 1-6.24-99-0053 **UT-45** 100 4/21/99 Accepted by Examination 1-6.24-99-0054 **UT-60** 100 4/21/99 33.0 33-FW-36 1-6.24-99-0055 UT-45 100 4/21/99 Accepted by Examination 1-6.24-99-0056 **UT-60** 100 4/21/99 33.0 33-FW-37 1-6.24-99-0050 **UT-45** 100 4/21/99 Accepted by Examination 1-6.24-99-0051 UT-60 4/21/99 100 1-6.24-99-0052 **UT-60** 100 4/21/99 33.0 33-WD-014 1-2.04-99-0266 VT-2 N/A 6/12/99 Accepted by Examination 33.0 33-WD-015 VT-2 1-2.04-99-0266 N/A 6/12/99 Accepted by Examination 33.0 33-WD-035 VT-2 1-2.04-99-0266 N/A 6/12/99 Accepted by Examination 33.0 33-WD-036 1-2.04-99-0266 VT-2 N/A 6/12/99 Accepted by Examination 37.0 37-WD-003 1-6.24-99-0073 **UT-45** 100 4/26/99 Accepted by Examination 1-6.24-99-0074 **UT-70** 100 4/26/99 37.1 37.1-WD-003 1-3.00-99-0183 PT 100 6/9/99 Accepted by Examination **Expanded Scope** 37.1 37.1-WD-006 1-3.00-99-0176 PT 100 6/8/99 Accepted by Examination **Expanded Scope**



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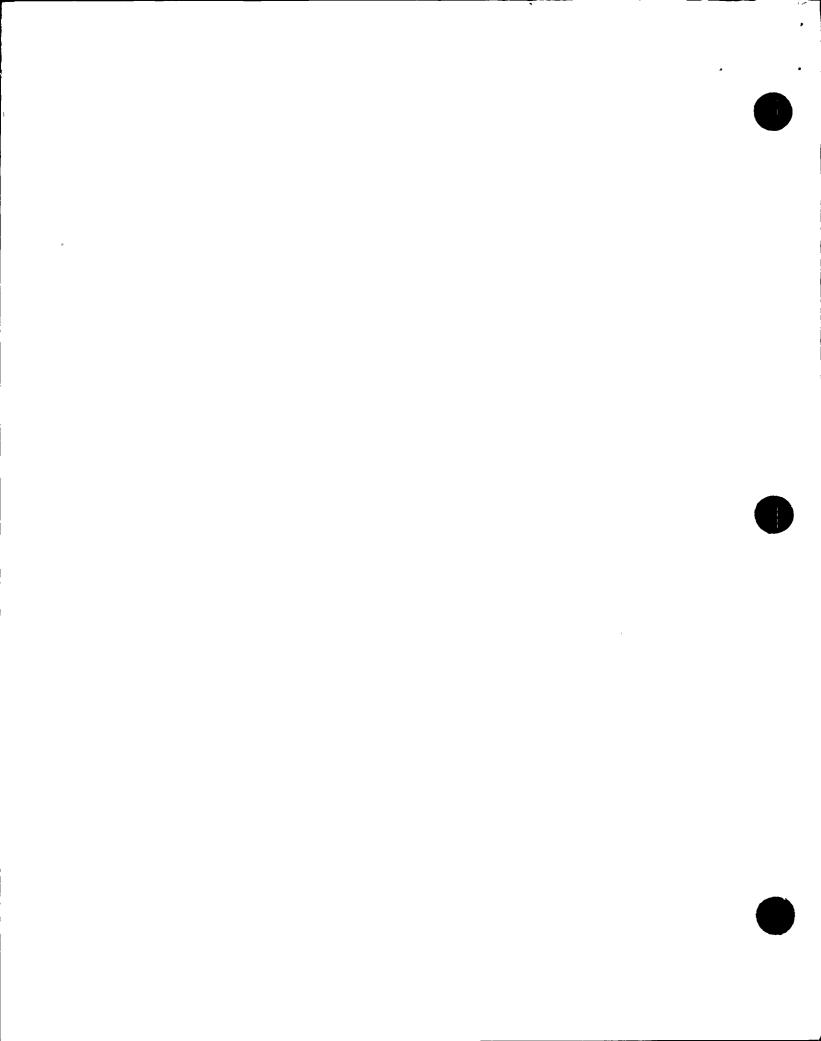
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	37.1	37.1-WD-007	1-3.00-99-0175	PT	100	6/8/99	Accepted by Examination Expanded Scope
	37.1	37.1-WD-009	1-3.00-99-0182	PT	100	6/9/99	Accepted by Examination Expanded Scope
	37.1	37.1-WD-013	1-3.00-99-0174	PT	100	6/8/99	Accepted by Examination Expanded Scope
	37.1	37.1-WD-018	1-3.00-99-0177	PT	100	6/8/99	Accepted by Examination Expanded Scope
	38.0	38-WD-001	1-6.24-99-0080 1-6.24-99-0081	UT-45 UT-60	100 100	4/27/99 4/27/99	Accepted by Examination
	38.0	38-WD-005	1-6.24-99-0119 1-6.24-99-0120	UT-45 UT-60	100 100	4/30/99 4/30/99	Accepted by Examination
	38.0	38-WD-006	1-6.24-99-0121 1-6.24-99-0122	UT-45 UT-60	100 100	4/30/99 4/30/99	Accepted by Examination
	38.0	38-WD-007	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	38.0	38-WD-008	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	38.0	38-WD-087	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	38.0	38-WD-088	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	38.0	38-WD-091	1-6.24-99-0019	UT-45	100	4/16/99	Accepted by Examination
	38.0	38-WD-092	1-6.24-99-0107	UT-45	100	4/29/99	Accepted by Examination
	38.0	38-WD-094	1-6.24-99-0105	UT-45	100	4/29/99	Accepted by Examination
			1-6.24-99-0106	UT-60	100	4/29/99	
	39.0	39-09R-WD-001	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	39.0	39-10R-WD-001	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	39.0	39-WD-009	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	39.0	39-WD-021	1-6.24-99-0123 1-6.24-99-0124	UT-45 UT-60	100 100	4/30/99 4/30/99	Accepted by Examination
	39.0	39-WD-097	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	39.0	39-WD-125	1-6.24-99-0049	UT-45	100	4/15/99	Accepted by Examination
	39.0	39-WD-194	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	39.0	39-WD-194A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	39.0	39-WD-195	1-6.24-99-0100	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-196	1-6.24-99-0103	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-197	1-6.24-99-0104	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-198	1-6.24-99-0102	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-199	1-6.24-99-0101	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-200	1-6.24-99-0099	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-203R	1-6.24-99-0042	UT-45	100	4/19/99	Accepted by Examination
	39.0	39-WD-204A	1-6.24-99-0041	UT-45	95	4/19/99	Accepted by Examination
	39.0	39-WD-204R	1-6.24-99-0098	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-226	1-2.04-99-0266 ⁻	VT-2	N/A	6/12/99	Accepted by Examination
	39.0	39-WD-226A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
	39.0 :	39-WD-227	1-6.24-99-0097	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-229	1-6.24-99-0095	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-230	1-6.24-99-0096	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-232	1-6.24-99-0092	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-233	1-6.24-99-0094	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-233A	1-6.24-99-0093	UT-45	100	4/28/99	Accepted by Examination
	39.0	39-WD-234A	1-6.24-99-0090	UT-45	³ 100	4/28/99	Accepted by Examination
	39.0	39-WD-235R	1-6.24-99-0091	UT-45	100	4/28/99	Accepted by Examination
	40.0	40-WD-001	1-6.24-99-0028 1-6.24-99-0029	UT-45 UT-60	100 100	4/19/99 4/19/99	Accepted by Examination
	40.0	40-WD-003	1-6.24-99-0030 1-6.24-99-0031	UT-45 UT-60	94.4 94.4	4/19/99 4/19/99	Accepted by Examination
	40.0	40-WD-004	1-6.24-99-0032 1-6.24-99-0033	UT-45 UT-60	100 100	4/19/99 4/19/99	Accepted by Examination

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Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
40.0	40-WD-005	1-6.24-99-0069	UT-45	79.3	4/23/99	Accepted by Examination
40.0	40-WD-006	1-6.24-99-0070	UT-45	94.25	4/23/99	Accepted by Examination
40.0	40-WD-007	1-6.24-99-0034 1-6.24-99-0035	UT-45 UT-60	100 100	4/19/99 4/19/99	Accepted by Examination
40.0	40-WD-008	1-6.24-99-0036	UT-45	100	4/19/99	Accepted by Examination
40.0	40-WD-009	1-6.24-99-0037	UT-45			
40.0	40-440-003	1-6.24-99-0038	UT-60	100 100	4/19/99 4/19/99	Accepted by Examination
40.0	40-WD-010A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination
40.0	40-WD-011	1-6.24-99-0026	UT-60	45	4/17/99	Accepted by Examination
70.0	40-110-011	1-6.24-99-0027	UT-45	45	4/17/99	Accepted by Examination
40.0	40-WD-012	1-6.24-99-0043	UT-45	100	4/17/99	Accepted by Examination
		1-6.24-99-0044	UT-60	100	4/17/99	, , , , , , , , , , , , , , , , , , ,
40.0	40-WD-013	1-6.24-99-0045	UT-45	100	4/17/99	Accepted by Examination
40.0	40-WD-014	1-6.24-99-0024	UT-45	100	4/17/99	Accepted by Examination
		1-6.24-99-0025	UT-60	100	4/17/99	
40.0	40-WD-015	1-6.24-99-0023	UT-45	100	4/17/99	Accepted by Examination
40.0	40-WD-016	1-6.24-99-0022	UT-45	100	4/17/99	Accepted by Examination
40.0	40-WD-017	1-6.24-99-0009	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-018	1-6.24-99-0010	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-020	1-6.24-99-0011	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-021	1-6.24-99-0012	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-022	1-6.24-99-0071	UT-45	100	4/23/99	
40.0	40-110-022	1-6.24-99-0072	UT-60	100	4/23/99	Accepted by Examination
40.0	40-WD-023	1-6.24-99-0002	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-024	1-6.24-99-0003	UT-45	100	4/15/99	Accepted by Examination
10.0	40-110-024	1-6.24-99-0017	UT-60	100	4/15/99	Accepted by Examination
40.0	40-WD-025	1-6.24-99-0004	UT-45	100	4/15/99	Accepted by Examination
		1-6.24-99-0018	UT-60	100	4/15/99	, <u> </u>
40.0	40-WD-026	1-6.24-99-0084	UT-45	100	4/26/99	Accepted by Examination
40.0	40-WD-027	1-6.24-99-0013	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-028	1-6.24-99-0005	UT-45	99	4/15/99	Accepted by Examination
		1-6.24-99-0015	UT-60	100	4/15/99	
40.0	40-WD-029	1-6.24-99-0006	UT-45	100	4/15/99	Accepted by Examination
	•	1-6.24-99-0016	UT-60	100	4/15/99	
40.0	40-WD-030	1-6.24-99-0014	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-031	1-6.24-99-0007	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-032	1-6.24-99-0008	UT-45	100	4/15/99	Accepted by Examination
40.0	40-WD-033	1-6.24-99-0085	UT-45	100	4/26/99	Accepted by Examination
40.0	40-WD-034	1-6.24-99-0083	UT-45	100	4/26/99	Accepted by Examination
40.0	40-WD-035	1-6.24-99-0086	UT-45	100	4/26/99	Accepted by Examination
		1-6.24-99-0087	UT-60	100	4/26/99	· · · · · · · · · · · · · · · · · · ·
40.0	40-WD-036	1-6.24-99-0088	UT-45	100	4/26/99	Accepted by Examination
40.0	40-WD-038	1-3.00-99-0086	PT	100	4/26/99	Accepted by Examination
		1-6.24-99-0089	UT-45	100	4/26/99	
40.0	40-WD-038A	1-6.24-99-0110	UT-45	100	4/29/99	Accepted by Examination
40.0	40-WD-050A	1-2.04-99-0266	VT-2	N/A	6/12/99	Accepted by Examination







Nine Mile Point Nuclear Power Station Unit 1 NMP1-ISI-99-05

SECOND INSERVICE INSPECTION INTERVAL

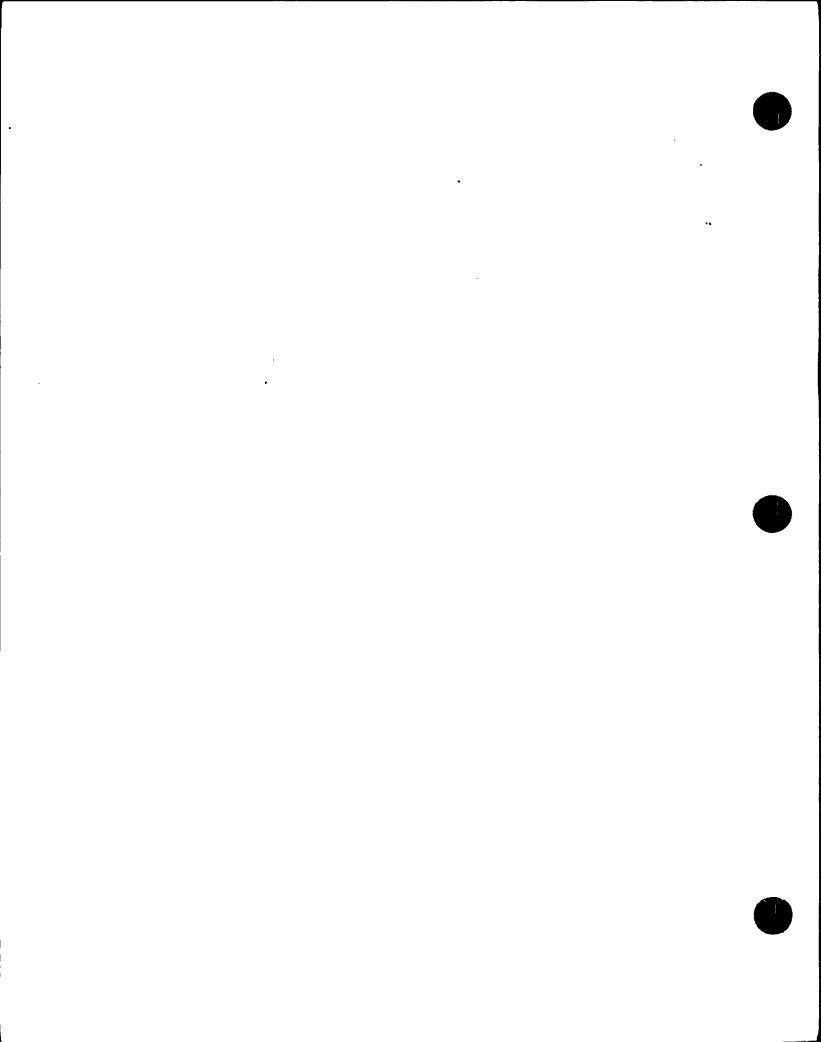
INSERVICE INSPECTION SUMMARY REPORT SUBMITTAL

September 16, 1999

Rev. 0

Page 13 of 15

APPENDIX D RFO-15 TORUS INSPECTION PLAN Pages 1 thru 40



P. 1 of 40

NIAGARA MOHAWK POWER CORPORATION

NUCLEAR ENGINEERING REPORT NINE MILE POINT UNIT

RFO15 TORUS INSPECTION PLAN

NER-1S-025, Rev. 1

Date: 5/12/99 Prepared By:

Tom Brombách

Structural Design, Unit 1-.

Date: <u>5/14/99</u> Reviewed By:

Glenn Perkins, Supervisor ASME Section XI Programs

Approved By:

Larry Prunotto, Supervisor Structural Design. Unit 1

Date: 5/17/99 thorized Nuclear Inservice Inspector **Reviewed By:**

PURPOSE:

This Engineering Report provides guidance and specific details needed to implement an inspection to determine the general condition of the torus internal pressure retaining components at and below the waterline. This revision also includes and documents the RFO15 inspection results. This inspection was performed due to the availability of the exposed surfaces as a result of the ECCS suction strainer modification. This inspection satisfied a portion of the requirements of the 1992 Edition with 92 Addenda, ASME Section XI, Article IWE, Table IWE-2500-1, for the first inspection period of the inspection interval of the Containment ISI Inspection Program to be developed in the future. In conjunction with the specific examination requirements the final results of the inspections are included as an attachment to this report.

Note: This NER shall not be used to perform examinations subsequent to RFO15.

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CONTENTS:

RFO15 torus inspection requirements are provided in the sections noted below:

BACKGROUND

GENERAL REQUIREMENTS:

- 1.0 PREREQUISITES:
- 2.0 SURFACES SUBJECT TO EXAMINATION
- 3.0 TYPE OF EXAMINATION
- 4.0 ACCEPTANCE CRITERIA
- 5.0 TORUS WATERLINE REGION
- 6.0 PREPARATION FOR THE SUPPLEMENTAL EXAMINATION
- 7.0 SUPPLEMENTAL EXAMINATION
- 8.0 SUPPLEMENTAL EXAMINATION ACCEPTANCE CRITERIA
- 9.0 RECORDS

REFERENCES:

- 1. 10CFR50.55a(b)(2)(vi)
- 2. Unit 1 Technical Specification, Section 3/4.2.6
- 3. ASME Section XI, 1992 Edition with Addenda through 1992
- 4. Calculation Engineering Calculation S0-Torus-M008
- 5. Figure 1
- 6. Figure 2

INSPECTION RESULTS:

Attachment 1 - Torus Inspection Summary

Attachment 2 - Work Order 98-08031-00

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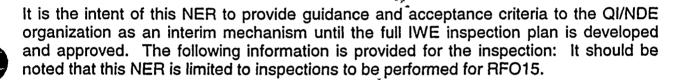
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BACKGROUND



The NRC has issued a final rule change amending 10CFR50.55a, Codes and Standards, to incorporate by reference the 1992 Edition and Addenda of Subsections IWE and IWL of Section XI of the ASME Code. Subsections IWE and IWL provide the requirements for inservice inspection (ISI) of Class MC components (metal containments) and Class CC components (concrete containments) of light water-cooled nuclear power plants. Since Unit 1 has a metal containment only the rules of IWE apply. The amended rule became effective on September 9, 1996; it requires that licensees incorporate the new requirements into their ISI Program and to complete the first period of examinations for an inspection interval not later than September 9, 2001. Repair or replacement activities are required to be performed in accordance with Subsection IWE subsequent to September 9, 1996.

Since NMPC is in the process of developing a comprehensive inspection program to comply with the regulations this interim plan is required. RFO15 and the installation of the ECCS suction strainer has presented an opportunity to examine an area of the Torus that would normally be inaccessible because of the water level being maintained for safety considerations during a shutdown. The proposed inspection will provide NMPC with information and data to determine the structural integrity of components normally submerged in the suppression pool.



GENERAL REQUIREMENTS:

1.0 PREREQUISITES:

The Torus must be dewatered and applicable internal surfaces be cleaned (limited to power washing for sludge and minor scale removal) prior to examination. After cleaning and prior to the ECCS Suction Strainer modification work, RP permission to enter the Torus must be obtained. QI/NDE will perform the examination and enter the Torus as soon as practical after the cleaning. (Note that RP may not allow entry until Torus cleaning is complete and satisfactory air tests have been obtained)

2.0 SURFACES SUBJECT TO EXAMINATION:

The primary examination area of interest will be the Torus shell at the waterline region. Additionally, designated IWE pressure boundary surfaces submerged normally below the waterline of the Torus, major structural attachment welds including the base metal for one half inch beyond the weld, reinforcing structures such as, intersecting ring girders, manhole frames, penetration reinforcements, downcomers and ring (vent) headers. The visual examination will be conducted from the inside of the Torus. Supports and structural elements do not require inspection except where welded to the pressure boundary as described above.



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3.0 TYPE OF EXAMINATION:



A visual examination (VT-3) in accordance with the ASME Code, Section XI, 1992 Edition with the 1992 Addenda, Subsections IWA and IWE will be required to be performed in accordance with Procedure NDEP-VT-2.04. It is recommended that a direct examination be performed with a minimal illumination of the examination surface of fifty foot-candles at a distance not to exceed four feet. Portable light sources or installed temporary lighting may be used. If portable battery operated light sources are used they must be checked before and after an examination or series of examinations, but not to exceed four hours. The VT-3 examination procedure will require qualification demonstrating resolution of a 0.105 inch character at the maximum expected examination distance (four feet) and minimum illumination (fifty foot-candles). As an alternative, a remote examination may be performed. When performing remotely, the visual examinations required by this inspection plan, the maximum direct examination distance specified in Table IWA 2210-1 may be extended and the minimum illumination requirements specified by the table may be decreased provided that the conditions or indications for which the examination is performed can be detected at the chosen distance and illumination and the procedure be demonstrated to resolve the lower case test character height of 0.105 inches. It is not necessary to measure illumination levels on each examination surface when the same portable or similar installed light source is demonstrated to provide the specified illumination at the maximum examination distance. The VT-3 examination is being conducted with the intent to determine the general mechanical and structural condition of the Torus and it's applicable pressure retaining components. Engineering shall participate in the examination with QI/NDE.



4.0 ACCEPTANCE CRITERIA:

The visual (VT-3) examination will look for cracks, wear, excessive pitting, excessive corrosion, gouges, dents, arc strikes, and other signs of surface irregularities that could affect operability or the functional adequacy of the Torus. Areas determined to be suspect will require acceptance by an Engineering Evaluation per IWE 3510.3 and documented in accordance with Procedure NIP-ECA-01, "Deviation/Event Report" or the component or area may be corrected by repair or replacement in accordance with IWE-3122. Additionally, the Engineering Evaluation shall call for supplemental examinations when determined to be applicable

5.0 TORUS WATERLINE REGION:

Photo documentation from previous Torus entries indicates that the waterline region may potentially exhibit generalized, non specific corrosion. As a pre-emptive activity, awaiting Torus entry to identify potential unsatisfactory surface conditions at the waterline, Engineering has determined it necessary to stage areas external to the Torus that may require "Supplemental Examinations". Supplemental Examinations" will be performed from the outside surface of the Torus by taking ultrasonic thickness measurements of the Torus shell plate at the waterline region,. The examination is to determine the general Torus shell thickness and if minimum wall thickness requirements have been violated by the corrosion.



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6.0 PREPARATION FOR THE SUPPLEMENTAL EXAMINATION:

Engineering has determined it will be necessary to erect temporary scaffolding at the Torus waterline, in the center of the bay, (approximately 211 ft. 6 inch elevation) and prepare 8 locations/areas to be ultrasonically examined. The size of each location will be a rectangle, one foot by two foot, marked off in a 3 inch by 3 inch grid pattern. Areas of examination will include (2 per bay) the outside and inside diameter of the Torus on Bays 3, 9, 13, and 19. The grid shall be located and cleaned to base metal to remove adhering paint or other deleterious material so as not to impede with the transmission of sound as determined by a qualified Level II or Level III UT examiner. Additional areas may require examination predicated on the results of the VT-3 conducted on the Torus inside surface.

7.0 SUPPLEMENTAL EXAMINATION:

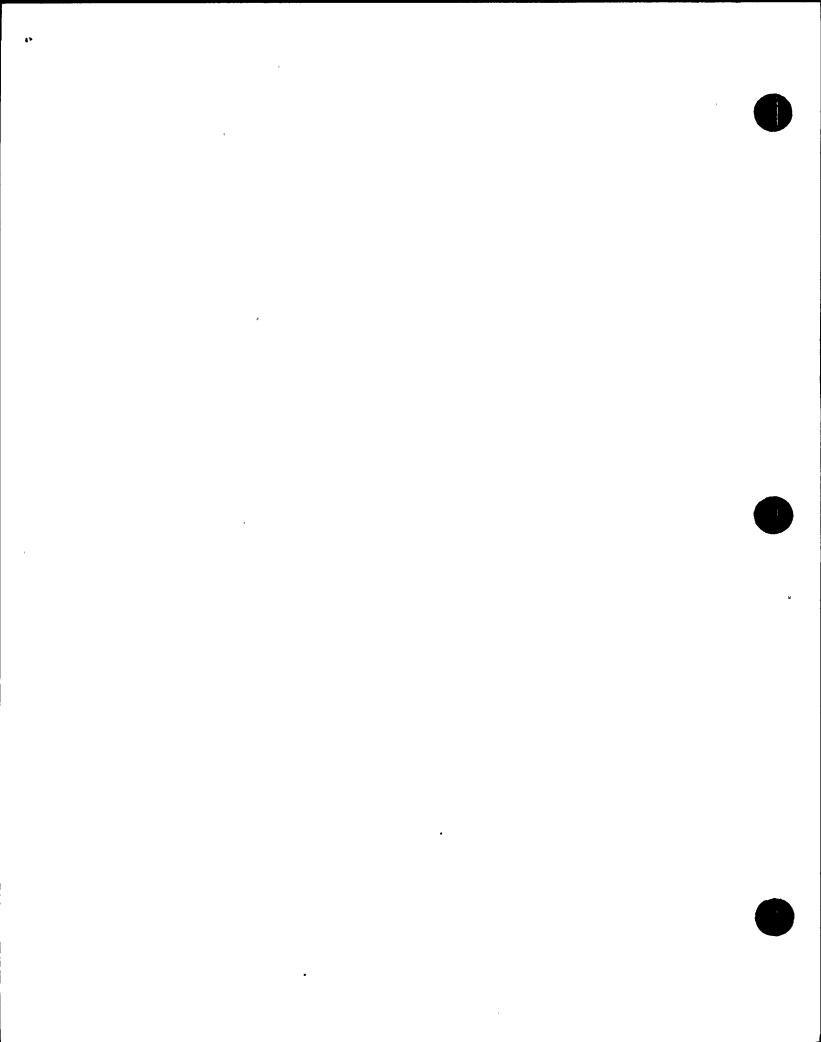
The ultrasonic examination will commence immediately after unit shutdown as soon as the Torus is no longer operationally required. Ultrasonic thickness measurements shall be taken using Procedure NDEP-UT-6.05 Data and examination reports are to be forwarded to NMP1 Design Engineering for evaluation. If a localized or general area reading approaches 0.434 inches, notify Engineering immediately.

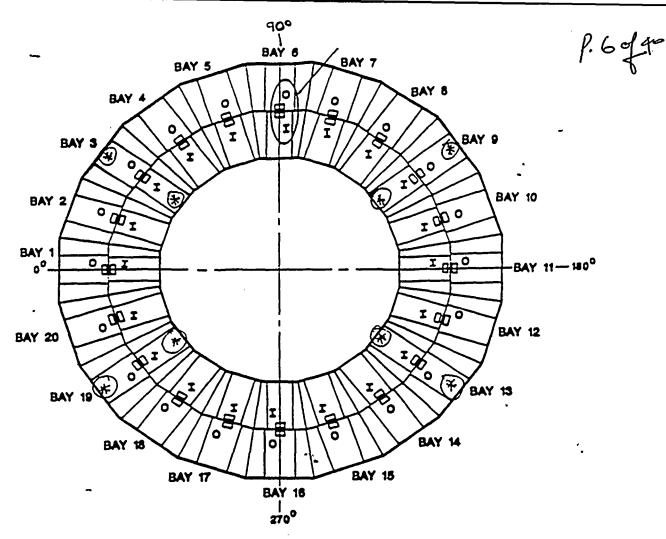
8.0 SUPPLEMENTAL EXAMINATION ACCEPTANCE CRITERIA:

For ultrasonic thickness measurements reading less than <u>0.434</u> inches, QI/NDE shall write a DER in accordance with Procedure NIP-ECA-01. NMP1 Design Engineering will perform an evaluation of the examination results. As a minimum, an increase scope expansion will be required of an additional area to include the Torus shell plate material directly adjacent to the area to determine the extent of encroachment on minimum wall thickness. Further expansion of the examination areas will be as determined by Engineering.

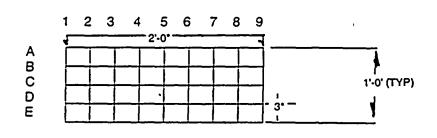
9.0 RECORDS

All examinations required by this document shall be performed in accordance with the requirements set forth in ASME Section XI and recorded in a manner consistent with Article IWA-6000. A summary of the examination results are included in Attachment 1 and the results of actual work performed are included in Attachment 2.





PLAN VIEW OF SHELL PLATE ARRANGEMENT



GRID DETAIL

*GRIDS TO BE IDENTIFIED AS: 3-O · 9-O 13-O 19-O 3-I 9-I 13-I 19-I

LOCATION OF SHELL PLATE MEASUREMENTS FIGURE 1

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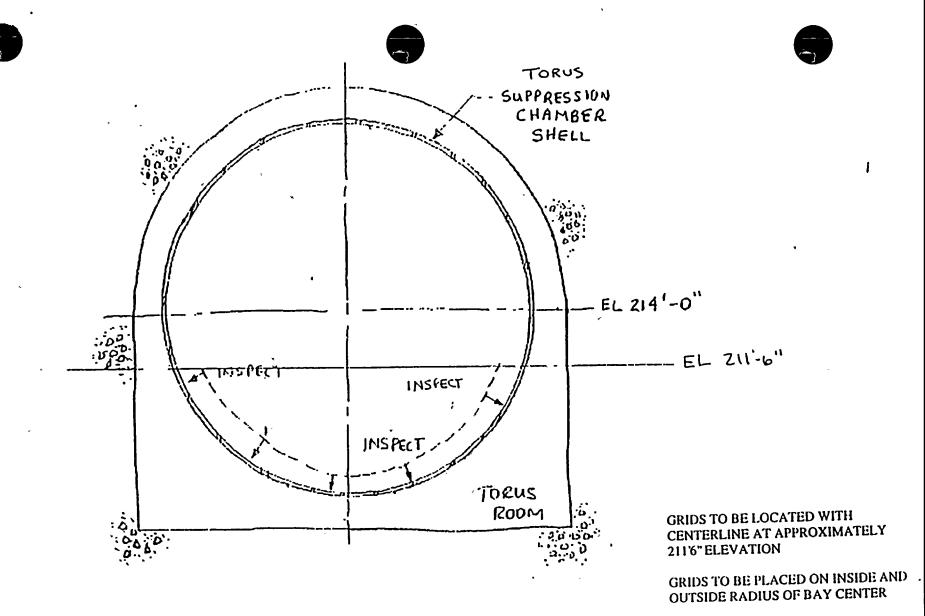
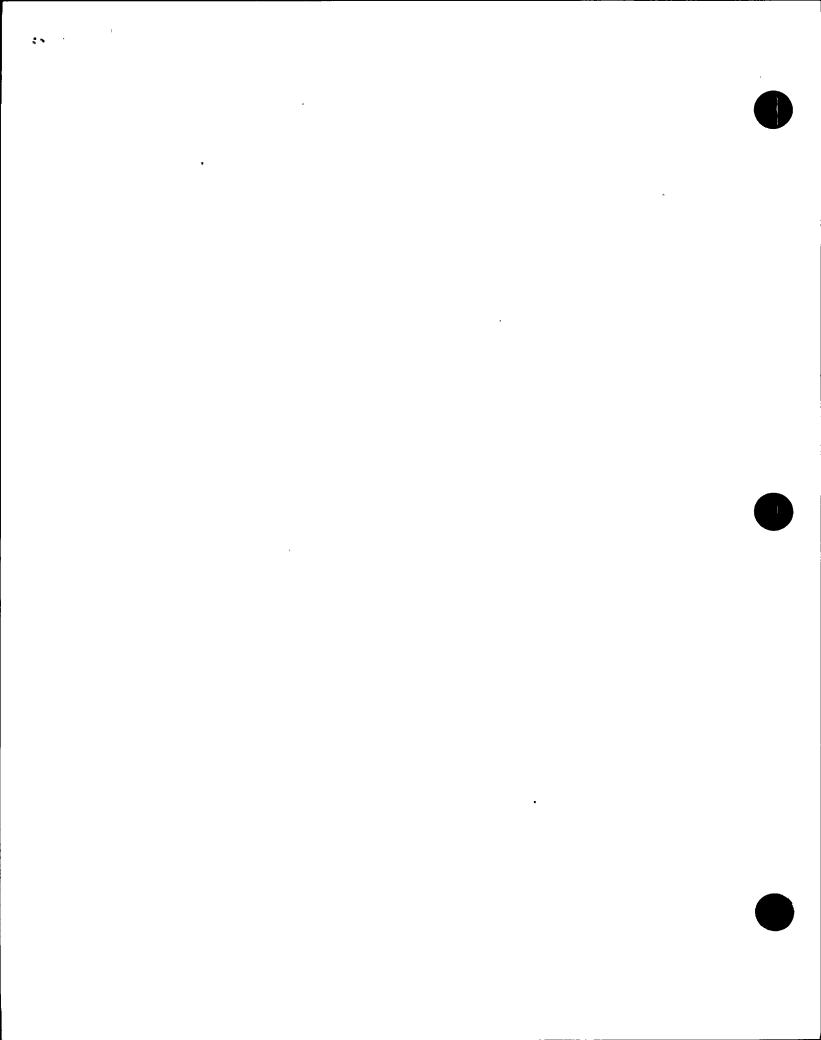


FIGURE 2

Page 7

NER-IS-025 REV. I P.70 40



ATTACHMENT 1

TORUS INSPECTION SUMMARY

BACKGROUND:

RFO 15 presented an opportunity to perform the internal IWE inspection of the NMP1 torus surfaces that are normally submerged. The torus was dewatered and applicable internal surfaces cleaned (limited to washing for sludge and minor scale removal) prior to the examination. After cleaning and prior to the ECCS Suction Strainer modification work, QI performed an interior VT-3 examination of the torus and conducted ultrasonic thickness measurements from the exterior with assistance from Engineering. The work was conducted in accordance to the requirements of NER-1S-025, Rev. 0 under Work Order, WO 98-08031-00.

SURFACES SUBJECT TO EXAMINATION:

The primary examination area of interest was the internal torus shell plate, at the waterline region and below. Additionally, designated IWE pressure boundary surfaces normally submerged below the waterline of the torus, including major structural attachment welds including the base metal for one half inch beyond the weld, and reinforcing structures such as, intersecting ring girders, manhole frames, penetration reinforcements, downcomers and ring headers. The visual examination was conducted from inside the torus. Supports and structural elements did not require inspection except where welded to the pressure boundary as described above.

TYPE OF EXAMINATION:

A visual examination (VT-3) was performed in accordance with the ASME Code, Section XI, 1992 Edition with the 1992 Addenda, Subsections IWA and IWE. A direct examination was performed with the illumination requirements meeting Section XI and 10CFR50.55a. Installed lighting as well as portable battery operated light sources were used. The portable lights were checked before and after the examination and found to be acceptable. The VT-3 examination was conducted with the intent to determine the general mechanical and structural condition of the torus and it's applicable pressure retaining components.

ACCEPTANCE CRITERIA:

The visual (VT-3) examination looked for cracks, wear, excessive pitting, excessive corrosion, gouges, dents and other signs of surface irregularities that could affect operability or the functional adequacy of the Torus. Acceptance was based on ASME Section XI, Subsection IWE - 3000 and Engineering Report 1S-NER-027.

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EXAMINATION RESULTS:





Shell Plate

Flaking and blooming rust was noted at the waterline region (211 ft. elevation). Several areas in different bays were lightly scraped removing the loosely adhered corrosion, revealing reasonably smooth shell plate material with areas of broad, but very shallow pits. There was no single area exhibiting a corrosion rate different than that of the entire torus surface. Additionally, a black discoloration band was exhibited in all bays on the shell plate starting at approximately the 209 foot elevation extending four to six feet toward the bottom. This was attributed to an oxide layer of magnetite that was tightly adhering and estimated to be less than 3 to 4 mils in thickness:

To demonstrate that shell plate material losses from corrosion were within expectations, a confirming ultrasonic inspection was performed of the shell plate from the torus exterior. Eight (8) locations/areas were selected to perform the supplemental examination. The size of each location/area was a one foot by two foot rectangle, marked off in a 3 inch by 3 inch grid pattern. The grids were located on the intrados and extrados surface of torus Bays 3, 9, 13, and_19 with the centerline of the grid located at the 211 foot elevation. Procedure NDEP-UT-6.05. was used to perform the examination. The results of the inspection were tabulated on NDE Inspection Report 1-6.05-99-0017 associated with WO.98-08031-00. Of the 45 readings taken per bay, the readings averaged:



Bay 3-I	0.455 inches		Bay 3-O	0.458 inches
Bay 9-I	0.462 inches		Bay 9-O	0.467 inches
Bay 13-I	0.463 inches	•	Bay 13-0	0.466 inches
Bay 19-I	0.468 inches		Bay 19-O	0.456 inches

Of the 360 readings taken, the lowest recorded point (0.0438 inches) was in Bay 3-I at location B6. Since the allowable minimum wall was 0.397 inches at this location, the recorded readings were found to be acceptable.

Ring Girders

Pitting was noted on the top surfaces of the ring girder flanges. The pitting was broad and shallow with the deepest pits determined to be less than or equal to 1/32 of an inch. The ring girder web sections and integral welds to the torus shell plate were covered with a thin layer of corrosion and magnetite. Mild brushing/scraping easily removed the layer of corrosion and portions of the oxide layer to bare base metal. Care was taken to confine this action to those limited areas appearing to have a corrosion layer heavier than that of the general area. This was to preclude or minimize accelerating the corrosion rate. The ring girders and attaching integral welds to the torus shell plate were found to be acceptable.

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Other Areas:



After washing and as the containment vent header and downcomer surfaces dried, minor rust blooms formed on the regions normally submerged. Several of these areas were scraped revealing broad shallow pits. No discernable material loss was evident under the corrosion layer.

It was noted that at the exit end of the downcomers a 3" x 3" x 1/4" angle iron ring was welded circumferentially to the downcomer outside diameter. Several of these rings were bent laterally and usually adjacent to tie bracing that had been removed from an earlier design change. The removal of these braces and the bent rings do not contribute to the structural integrity of the downcomers nor to they pose an issue of impeding flow.

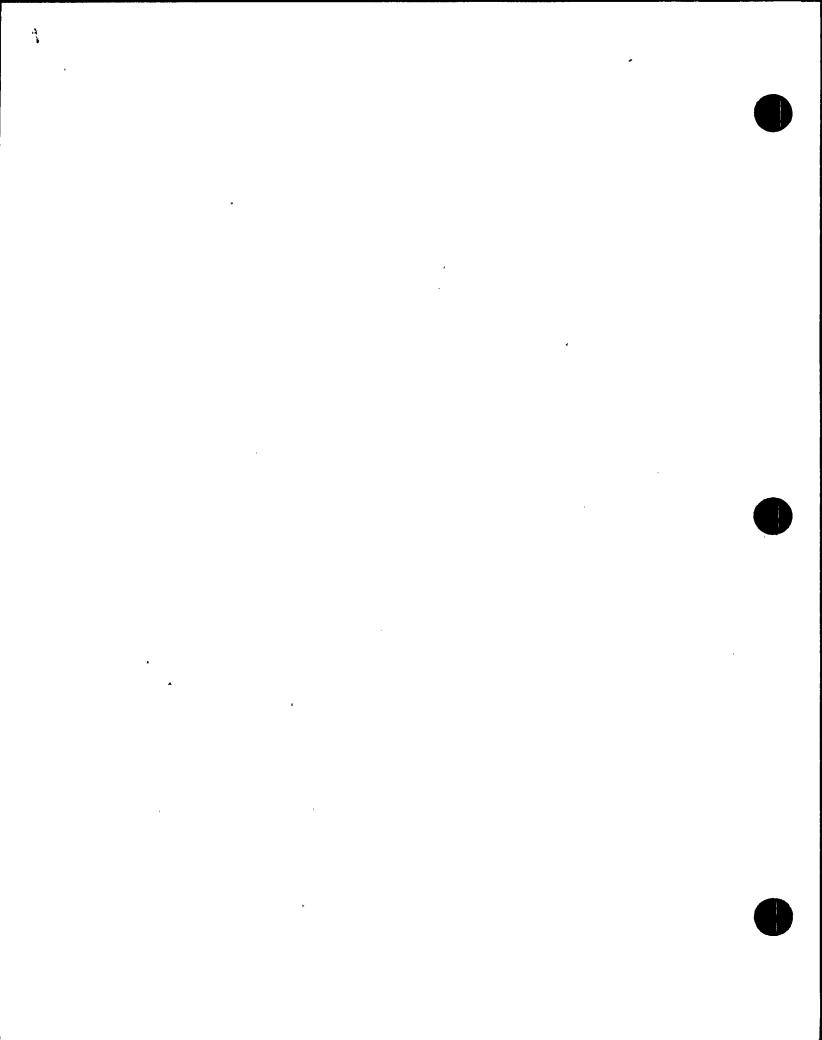
Conclusion:

The results of the VT-3 inspection and confirmatory ultrasonic inspection of the torus shell plates indicate an acceptable condition. Based upon the current corrosion rates established for the torus, by analysis, the submerged portions of the torus and associated components will remain functional and structurally acceptable for the life of the unit.

P.11 of 40

ATTACHMENT 2

This attachment includes a copy of the WO that performed the inspections and a copy of the NDE examination results. The original documents are filed with the Work Order in Records Management.



NIAGARA MOHAWK CORP.

WO NO: 98-08031-00 GE MPL/ALTID .. DATE/TIME PRINTED: 04/09/1999 16:52:09 AUTHORIZED TO WORK PID: DATE/TIME FOUND: 12/01/1998 21:28 KEY/QUAL: ID: PCS-TORUS-HASTER 000 MAIN CATEGORY COMPONENT DESCRIPTION: -- MASTER COMPONENT --LOCATION: EL: COL: ROW: SYSTEM: PCS PRIMARY CONTAINMENT STRUCTURE SUB-SYSTEM: TORUS TORUS HRULE UNAVAIL IMPACTED: N SAFETY CLASS: 01 SAFETY RELATED ENVIRONMENT: IST: ASHE: ORIGINATOR: JAMES PORTER TEL EXT: 7986 PROBLEM DESCRIPTION: PERFORM ASME SECTION XI IVE TORUS EXAMINATIONS IN RF015. MATERIAL ACCOUNT: 705.60-000-050860-321165-0000-400-000005-0000-000000-0070 WORK CLASS: 1 CLASS 1 WORK ACTION CODE: I PROGRAMMATIC INSPECTION PLANT CONDITION: O OUTAGE

WO REQUIRED DATE: 03/15/1999

PH DEFERRAL DATE:

PH GRACE DATE:

PHT: 3 PHT NOT REQUIRED

PLANNER: JAMES PORTER

PRIORITY: RM

RESP DEPT: 460800 QUALITY ASSURANCE

WO STATUS: READY PROJECT NO: SCHED/WIN: R150A 00980 PRIMARY CONTAINMENT SYSTEM WIND

ADDITIONAL INFORMATION: 93 CAT 3: HON-IMPACTING

WORK DESCRIPTION: PERFORM TORUS ASME EXAMS PER NER-15-025

WORK TITLE: PERFORM TORUS VISUAL/UT EXAMS LCR/ATTACH:

APPROVAL TO WORK: JAMES PORTER DATE: 04/09/1999 TIME: 16:48

SIGNATURE/DATE:

CSO SIGNATURE/DATE:

CHANGE TO PLAN: YES NO (CIRCLE ONE) COMM DED PARTS USED: DP NO: AS FOUND CONDITION/WORK PERFORMED: (HANDWRITTEN): AS LOUND: TORUS DEWATERED AND CLEANED. WORK PELFOLMED: UT THICKNESS & MATERLINE LAON OUTSIDE OF STELL, DER ISSUED: YES NO (CIRCLE ONE) DER NO: FAILURE DESCRIPTION (HANDWRITTEN): NO FAILURE FAILURE CODES: W/A

ACTUAL CREWSIZE: 4

ACTUAL DURATION: /6

WORK COMPLETE (DEPT SUPERVISOR) SIGNATURE/DATE:

RECONCILIATION CODE/DESCRIPTION (HANDWRITTENS:

RECONCILATION COOE:

PHT SATISFACTORY YES NO

COMMENTS: NA - PATT NOTE

WORK: SAT UNSAT (CIRCLE ONE) NEW PID NO: _ IFT SUPERVISOR SIGNATURE/DATE:

• •

NIAGARA MOHAWK CORP. AUTHORIZED TO WORK

WO NO: 98-08031-00

GE HPL/ALTID ..

DATE/TIME PRINTED: 04/09/1999 16:52:09

H SPEC APPLICABLE: Y

TECH SPEC NO: 3.4.3

DER: N

LCO REQUIRED: N

MEDIAL ACTION OR TIME LIMIT OF A TECH SPEC REGID (Y/N): N

IF YES THEN STATE:

PLANT OR TECH SPEC CONDITION REQUIRED FOR WORK OR PMT, IF WORK OR TEST NOT CURRENTLY ALLOWED: : 3 PMT NOT REQUIRED

ADDITIONAL INFORMATION: 93 CAT 3: NON-IMPACTING

EQUIPMENT IMPACT:

* QA WILL BE PERFORMING UT AND VISUAL INSPECTIONS OF VARIOUS COMPONENTS/SECTIONS OF THE TORUS EXTERIOR AND INTERIOR.

PLANT IMPACT:

- * EXTERIOR INSPECTIONS/UTS WILL REQUIRE ENTRY INTO THE TORUS ROOM. DURING TIMES WHEN CORE SPRAY IS OPERABLE FROM THE TORUS THE TORUS ROOM DOORS MUST REMAIN CLOSED EXCEPT FOR PASSAGE TO ENSURE CORE SPRAY OPERABILITY.
 - * INTERIOR TORUS INSPECTIONS WILL BE PERFORMED WHEN THE TORUS IS DEWATERED. NO PLANT IMPACT FOR INSPECTIONS DURING THIS TIME FRAME.

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AGARA MOHAWK CORP. THORIZED TO WORK		GE MPL/ALTID DATE/TIME PRINTED: 04/09/1999	
PERHITS/TAGS REQUIRED	ID NUMBER DESCRIPTION ID NUMBER DESCRIPTION	COMMENTS	
FIRE MARKUP	-		
BREACH PERMIT			
HOT WORK PERHIT LEAD PAINT REHOVAL	SEE SWO-01 FOR PREP AND GRIDDING		
I INSULATION REMOVE/INSTAL			
HEAT STRESS CHECKLIST	•		
SCAFFOLD CONTROL	* SEE NOTES 8 SCAFFOLDS REQUIRED		
KEYS REQUIRED	:		
NOTIFICATIONS	ID NUMBER DESCRIPTION		
CHEMISTRY SYSTEM ENGINEERING			
SYSTEM ENGINEERING ENVIRONMENTAL			
RX PHYSICS			
- SAFETY CONSIDERATIONS	ID NUMBER DESCRIPTION		
OVERHEAD LINE HAZARD	•		
ASBESTOS WORK PERMIT			
CONFINED SPACE ENTRY PER	MIT		
EXCAVATION PERMIT			
DIVING PERMIT .			
- ALARA CONSIDERATIONS -	ID NUMBER DESCRIPTION		
HEAT STRESS SURVEY	TO ROBBER DESCRIPTION	** <u> </u>	•
ALARA REVIEW/PRE-JOB BRI	EF 99-01 / BOP ISI/EC EXAMS		
RWP	333 (114 98 198' TORUS RM)		
STANDING RWP	Cao Comment		
TEMPORARY SHIELDING	JOHN RP		
ASME TRAVELER	4		
IST EVAL			
PACKING TRAVELER			
PICK TICKET			
2512131313131313131	======================================	474	
TYPE CODE: GE MPL/ALTID			
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Dizywar office	:5 (2100)	•	
JORUS ->	(1275)		

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NIAGARA MOHAWK CORP. AUTHORIZED TO WORK

WO NO: 98-08031-00

GE MPL/ALTID ...

DATE/TIME PRINTED: 04/09/1999 16:52:09

NER ISSUED

NER-15-025 WAS ISSUED 3/25/99

2. 03/18/1999 JAMES PORTER

. 04/06/1999 JAKES PORTER

PREP FOR UT EXAMS

SURFACE PREPARATION AND GRIDDING IS TO BE PERFORMED TO SWO 98-08031-01

n - - 18 (41218 DING)

3. 03/16/1999 DEBORAH LANG

ENGINEERING HOLD CLEARED

INITIAL INTERIM SPEC COMPLETE

4. 03/16/1999 ANDREW J. ROSKO

SCAFFOLD NOTES

THE FOLLOWING SCAFFOLDS AND SCAFFOLD WORK ORDERS HAVE BEEN STAGED TO SUPPORT THIS WORK ORDER:

SCAFFOLD COMP ID	SCAFFOLD WO NUMBER
RB-198-010	98-08031-02
RB-198-011	98-08031-04
· RB-198-012	98-08031-06
RB-198-013	98-08031-08
RB-198-014	98-08031-10
RB-198-015	98-08031-12
RB-198-016	98-08031-14
RB-198-017	98-08031-16

REF. STEP TEXT 4:

INE ABOLD WATERLINE WAS NOT FERFORMEN DUE TO WORK ACTIVITIES BELOW. AN UNOSLICIAL WARK OF THE RIVE HENDER REVENLED NO EXCESSIVE CORROSION OR DAMAGE TO TORUS. CORROSION WAS WHIKOKM & TIGHT.

Mec \$72/99

HIAGARA HOHAWK CORP.

WO NO: 98-08031-00

GE MPL/ALTID ..

DATE/TIME PRINTED: 04/09/1999 16:52:09

AUTHORIZED TO WORK

SARREBRADREREERSERSERSERSERSERSERSERSERSERSERSER DETAILED WORKPLAN EDWEISBRADREERSERSERSERSERSERSERSERSERSERSER

CRAFT STEP TEXT STEP DEPT CREW

SIGNOFFS --> Q

460800

WORK DESCRIPTION AND PREREQUISITES

PERSONNEL PERFORMING WORK (SIGNATURE & INITIALS)

SCOPE

THE SCOPE OF THIS WORK ORDER IS TO PERFORM ASHE SECTION XI IWE TORUS EXAMINATIONS DURING RF015. EXAMINATIONS WILL BE PERFORMED PER ITHE REQUIREMENTS OF NUCLEAR ENGINEERING REPORT: NER-1S-025 REV.O

PRECAUTIONS / LIMITATIONS

APPLICABLE RADIOLOGICAL PRECAUTIONS SHALL BE OBSERVED. RP SHALL BE CONTACTED AS NEEDED.

ALARA PRACTICES SHALL BE OBSERVED TO PREVENT PERSONNEL EXPOSURE AND SPREAD OF CONTAMINATION.

MAINTAIN GENERAL HOUSEKEEPING PRACTICES PER THE REQUIREMENTS OF GAP-HSC-01.

MAINTAIN SYSTEM CLEANESS AND FOREIGN MATERIAL EXCLUSION CONTROLS PER THE REQUIREMENTS OF GAP-HSC-02.

CHEMICALS SHALL BE CONTROLLED PER THE REQUIREMENTS OF NIP-CHEM-01.

CONFINED SPACE REQUIREMENTS OF SFC-OSH-0107 SHALL BE COMPLIED WITH IF APPLICABLE.

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NIAGARA MOHAWK CORP. AUTHORIZED TO WORK

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STEP 1 CONTINUED

THENTHESE STREET STREET STREET STREET STREET STREET STREET STREET WORKDING STREET STREET STREET STREET STREET

PREREQUISITES

A PRE-JOB BRIEF WITH THE CREW MUST BE PERFORMED PRIOR TO STARTING WORK.

PERSONNEL SHALL FULLY UNDERSTAND THE WORK PACKAGE PLANT IMPACT.

PERSONNEL MUST VERIFY THE CORRECT COMPONENT ID PRIOR TO PERFORMING THE WORK.

SUPPORT WORK SUCH AS SCAFFOLDING, INSULATION REMOVAL, AND SURFACE PREP WILL BE PROVIDED BY SUPPORT DEPARTMENTS ON SEPARATE WORK ORDERS. SEE WO NOTES FOR REQUIRED SUPPORT WORK.

- *** THE TORUS MUST BE DEWATERED AND APPLICABLE INTERNAL SURFACES ***
- *** CLEANED (LIMITED TO POWER WASHING FOR SLUDGE AND MINOR SCALE ***
- *** REHOVAL) PRIOR TO EXAMINATION. AFTER CLEANING AND PRIOR TO ***
- *** THE ECCS SUCTION STRAINER HODIFICATION WORK, RP PERMISSION TO ***
- *** ENTER THE TORUS MUST BE OBTAINED. QI WILL PERFORM THE EXAMIN-***
- *** ATION AND ENTER THE TORUS AS SOON AS PRACTICAL AFTER CLEANING***

WORK INSTRUCTIONS

- SIGNOFFS FOR EACH STEP SHALL BE INITIALED AND DATED.
- RESULTS OF EACH EXAMINATION TO BE RECORDED FOR EACH ITEM EXAMINED AT THE APPLICABLE STEP TEXT.

__) TARKU (___) TAR

THE RESULTS OF THE INSPECTIONS WILL BE DOCUMENTED PER THE REQUIREMENTS OF THE APPLICABLE NDE PROCEDURE.

NONCONFORMING CONDITIONS SHALL BE IDENTIFIED PER THE REQUIREMENTS OF HIP-ECA-01.

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HIAGARA MOHAWK CORP. AUTHORIZED TO WORK

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STEP 1 CONTINUED

STEP DEPT CREW CRAFT STEP TEXT

2 460800 QA CONDUCT A PRE-JOB BRIEF

JOB SCOPE
PLANT IMPACTS
WHO DOES WHAT
VERIFICATION/STAAR
RWP

SIGNOFFS -> 0

A/13/99

A/18/99

MARKUPS
TURNOVER INFO
TOOLS/EQUIPMENT
QUALIFICATIONS
JOB ENVIRONMENT
INTERFACES
PROCEDURE(S)
KEY STEPS/EVOLUTIONS
POTENTIAL TRAPS
SAFETY
LESSONS LEARNED
STOP POINTS

NOTIFICATIONS
"WHAT IF" ACTIONS

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HIAGARA MOHAWK CORP. AUTHORIZED TO WORK

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CRAFT STEP TEXT STEP DEPT CREW

460800 QA

IPERFORM VT-3 EXAM OF TORUS SHELL @ AND BELOW WATER LINE I (FROM INSIDE TORUS)

PERFORM VT-3 EXAMINATION OF TORUS SHELL AT AND BELOW THE WATER LINE REGION, IN ACCORDANCE WITH THE ASME CODE, SECTION XI, 1992 EDITION AND 1992 ADDENDA.

EXAMINATION BOUNDARY INCLUDES INE PRESSURE BOUNDARY SURFACES SUBMERGED IBELOW THE WATERLINE OF THE TORUS, MAJOR STRUCTURAL ATTACHMENT IWELDS INCLUDING THE BASE METAL FOR ONE HALF INCH BEYOND THE WELD, IREINFORCING STRUCTURES SUCH AS, INTERSECTING RING GIRDERS, IMANHOLE FRAMES, PENETRATION REINFORCEMENTS, DOWNCOMERS, AND RING(VENT) !HEADERS.

SUPPORTS AND STRUCTURAL ELEMENTS DO NOT REQUIRE INSPECTION EXCEPT WHERE WELDED TO THE PRESSURE BOUNDARY AS DESCRIBED ABOVE.

EXAMINATION TO BE PERFORMED IN ACCORDANCE WITH NDEP-VT-2.04

VT-3 EXAMINATION WILL LOOK FOR CRACKS, WEAR, EXCESSIVE PITTING, EXCESSIVE CORROSION, GOUGES, DENTS AND OTHER SIGNS OF SURFACE IRREGULARITIES THAT COULD AFFECT OPERABILITY OR THE FUNCTIONAL ADEQUACY OF THE TORUS

(REFERENCE SECTION 4.0 OF NER-15-025, LATEST REV.)

+ Contact Control Hum / Outeriole SSS pries to access

to Tours (External) area.

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CRAFT STEP TEXT STEP DEPT CREW

OA

460800 QA

IPERFORM VT-3 EXAM OF TORUS SHELL ABOVE WATER LINE I (FROM INSIDE TORUS)

I (NOTE: EXAM AREA AT AND BELOW THE WATER LINE IN STEP TEXT 3 IS THE IREQUIRED MINIMUM EXAMINATION AREA AS REQUIRED BY NER-15-025, THE EXAM IAREA ABOVE THE WATER LINE IS IN ADDITION TO THE MINIMUM REQUIREMENTS !AND MAY BE N/A'D IF NOT PERFORMED.)

IPERFORM VT-3 EXAMINATION OF TORUS SHELL ABOVE THE WATER LINE REGION, IN ACCORDANCE WITH THE ASME CODE, SECTION XI, 1992 EDITION AND 1992 ADDENDA.

!EXAMINATION BOUNDARY INCLUDES INE PRESSURE BOUNDARY SURFACES IOF THE TORUS, MAJOR STRUCTURAL ATTACHMENT WELDS INCLUDING THE BASE METAL IFOR ONE HALF INCH BEYOND THE WELD, REINFORCING STRUCTURES SUCH AS, LINTERSECTING RING GIRDERS, MANHOLE FRAMES, PENETRATION REINFORCEMENTS, IDOWNCOMERS, AND RING(VENT) HEADERS.

ISUPPORTS AND STRUCTURAL ELEMENTS DO NOT REQUIRE INSPECTION EXCEPT WHERE WELDED TO THE PRESSURE BOUNDARY AS DESCRIBED ABOVE.

EXAMINATION TO BE PERFORMED IN ACCORDANCE WITH HDEP-VT-2.04

*********************** ACCEPTANCE CRITERIA *****************

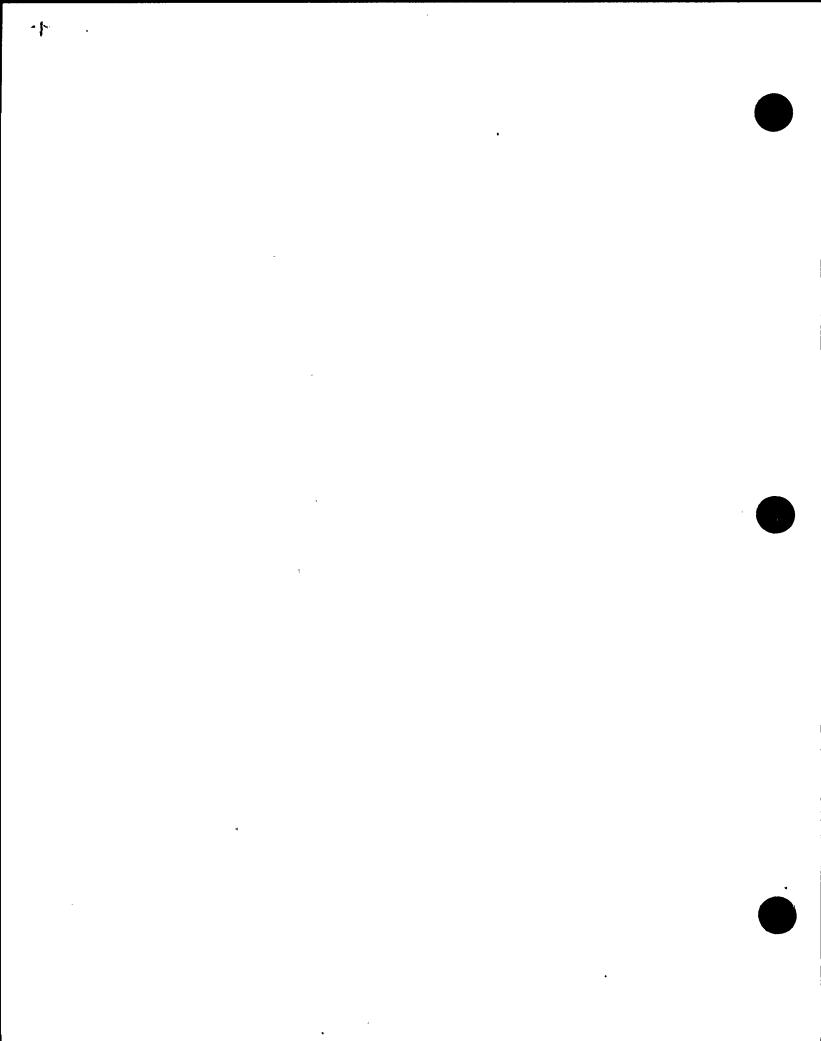
VT-3 EXAMINATION WILL LOOK FOR CRACKS, WEAR, EXCESSIVE PITTING, EXCESSIVE CORROSION, GOUGES, DENTS AND OTHER SIGHS OF SURFACE IRREGULARITIES THAT COULD AFFECT OPERABILITY OR THE FUNCTIONAL ADEQUACY OF THE TORUS

(REFERENCE SECTION 4.0 OF NER-1S-025, LATEST REV.)

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N/A SEE NOTES PAGE.



NIAGARA MOHAWK CORP.

460800 QA

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PAGE 10 OF 21 DATE/TIME PRINTED: 04/09/1999 16:52:09

AUTHORIZED TO WORK

STEP DEPT CRAFT STEP TEXT CREW

> ************ ACCEPTANCE CRITERIA ********* HOTIFY *** I*** IF A LOCALIZED OR GENERAL AREA READING APPROACHES 0.434" ENGINEERING IMMEDIATELY

PERFORM UT EXAMS OF TORUS SHELL AT WATERLINE (FROM OUTSIDE)

ULTRASONIC THICKNESS HEASUREMENTS SHALL NOT BE LESS THAN 0.434 INCHES

NOTE: TAKE ONE READING IN THE APPROXIMATE CENTER OF EACH 3" BY 3" GRID (REFERENCE SECTION 7.0 OF NER-15-015, LATEST REV)

1) PERFORM UT THICKNESS MEASUREMENT, PER NDEP-UT-6.05, OF BAY 3 INSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3" GRID PATTERN.

2) PERFORM UT THICKNESS MEASUREMENT, PER NDEP-UT-6.05, OF BAY 3 OUTSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3"

GRID PATTERN.

UNSAT (

3) PERFORM UT THICKNESS MEASUREMENT, PER NDEP-UT-6.05, OF BAY 9 INSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3" GRID PATTERN.

4) PERFORM UT THICKNESS MEASUREMENT, PER NDEP-UT-6.05, OF BAY 9 OUTSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3" GRID PATTERN.

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5) PERFORM UT THICKNESS MEASUREMENT, PER NOEP-UT-6.05, OF BAY 13 INSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3" GRID PATTERN.

6) PERFORM UT THICKNESS MEASUREMENT, PER NDEP-UT-6.05, OF BAY 13 OUTSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3" GRID PATTERN.

UNSAT (

7) PERFORM UT THICKNESS MEASUREMENT, PER NDEP-UT-6.05, OF BAY 19 INSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3" GRID PATTERN.

UNSAT (

8) PERFORM UT THICKHESS MEASUREMENT, PER NDEP-UT-6.05, OF BAY 19 OUTSIDE DIAMETER, IN ONE FOOT BY TWO FOOT RECTANGLE AREA, WITH A 3" BY 3" GRID PATTERN.

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- DETAILED WORKPLAN

STEP	DEPT	CREW	CRAFT	STEP TEXT
6	460800	QA2	CVS	!QI TO REINSPECT TORUS FOR DAMAGE FOLLOWING ALL CONSTRUCTION ACTIVITIES
				PROPERTY TORUS SHELL PLATE AND RING GIRDERS AFTER ALL CONSTRUCTION
				!ACTIVITIES ARE COMPLETE AND SCAFFOLD HAS BEEN REMOVED. INSPECTION SHALL
				!BE FROM THE APPROXIMATE WATERLINE TO BOTTOM OF TORUS. INSPECTION IS
				!LIMITED TO MECHANICAL DAMAGE CAUSED BY CONSTRUCTION/SCAFFOLD ACTIVITIES.
				11) INSPECT TORUS SHELL AND RING GIRDERS FOR DAMAGE. NOTE ANY DAMAGE AND
				! REPORT TO ENGINEERING ON A DER PER HIP-ECA-01. DOCUMENT INSPECTION IN
				! ACCORDANCE WITH 'QAP-INS-10.30, REV 02 AND INCLUDE COPY WITH THIS WO.
				! !QIR NUMBER: 1-99-0376
				! !RESULTS: SAT (X) UNSAT () IF UNSAT, RECORD DER NO:
				1 Samech dela

STEP DEPT CREW CRAFT STEP TEXT

460800 QA WO CLOSE OUT

VERIFY THAT ALL EXAMINATIONS HAVE BEEN PERFORMED PER THE REQUIREMENTS OF NER-15-025, REV. O AND THAT ALL UNSAT

CONDITIONS HAVE BEEN IDENTIFIED ON A DER AS REQUIRED BY HIP-ECA-01.

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SIGNOFFS --> San Stalfag

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HIAGARA HOHALK CORP. AUTHORIZED TO WORK

CREW

STEP DEPT

460800

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WO NO: 98-08031-00

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- DETAILED WORKPLAN -

CRAFT	STEP TEXT	SIGNOFFS
QA.	MAINTENANCE HISTORY:	(
	TOTAL (SHIFT) CREWSIZE	
	TOTAL DURATION OF JOB IN HRS	
	.16	
	RECONCILIATION OF ANY DEVIATION FROM THE ORIGINAL WORK PLAN (SUCH WRONG PARTS, NEEDED ENGINEERING, INCORRECT ESTIMATES, INCREASES I SCOPE, OTHER SCOPE CHANGES, ETC.) (GAP-PSH-01)	
	NONE	•••••
;		••••••
	~	• • • • • • •
		•••••
	DETAILED DESCRIPTION OF ANY WORK COMPLETED IN ADDITION TO THAT ORIGINALLY PLANNED. (GAP-PSH-O1)	
	FARE CLEANUVESS /USPECTION GROWN WATER CING DOWN on 5/4/99.	•••••
		••••••
	***************************************	•••••
	UNUSUAL CONDITIONS IDENTIFIED DURING THE WORK ACTIVITY (SUCH AS USOUNDS, YEAR PATTERNS, INSTRUMENT RESPONSE, ETC.)	MUSUAL
	none	•••••
		•••••
	ADDITONAL COMMENTS:	
	None	•••••

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NIAGARA HOHAWK CORP.
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- DETAILED WORKPLAN -

STEP 8 CONTINUED

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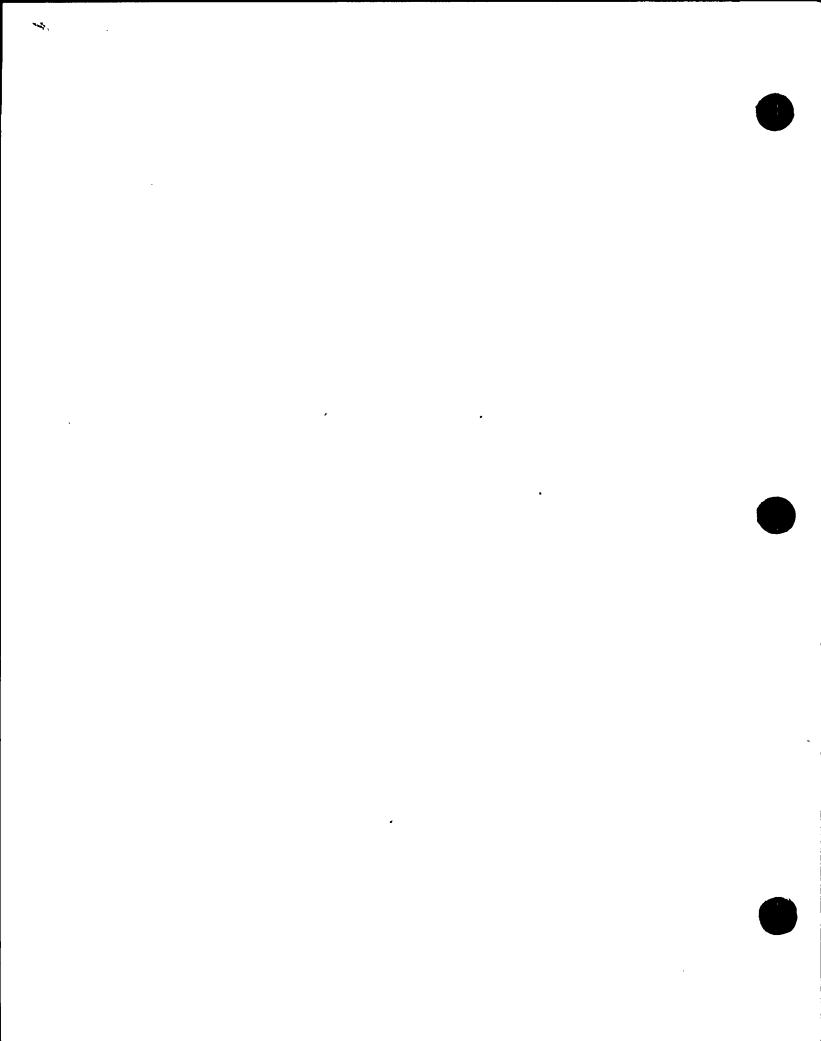
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NO EXTERNAL ATTACHMENTS



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DETERSONIE NDE REPORT # 1-6.05-99-0017

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ATT3 21R# 1-99-0376

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SYMBOL NO HOUN/QUAL

CAPTION 1 CAPTION 2 CAPTION 3 TYP PO/REQ UM CONT QTY RQD ISSUED STK ISS NO

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PLANT COMPONENT DATABASE	ELEKENTS
NENT ID PCS-TORUS-MASTER 000	
GE HPL/ALTID	ISI FLAG
KEYWORD	EQ RELATED
QUALIFIER	SEISHIC
DESCRIPTION HASTER COMPONENT	APPENDIX R
LOCATION	REG GUIDE 1.97
SYSTEM ID PCS PRIMARY CONTAINMENT STRUCTURE	CONTAINMENT
SUB-SYSTEM ID TORUS TORUS	TECH SPEC
COMP CAT/HPRDS	RPS/ECCS DIV
SAFETY CLASS 07 QS HSR COMP OF SR ASSEM U2	LABEL RECHENT
QA ANS	DESIGN CODE
ENVIRONMENT	ORIG SPEC NO
MANUFACTURER	SUPPLIER
EL NO	GE MPL/ALTERNATE IDS . GE MPL/ALTERNATE IDS .
ACK/PANEL/ASSH	GE MPL/ALTERNATE IDS . GE MPL/ALTERNATE IDS .
NPROS REPORTABLE	SERIAL NUMBER
IST FLAG	PO NUMBER
INSTALLED DATE	RESP DEPARTMENT
EGRM	ASHE
========= ASSOCIATED COMPONEN	TS ====================================

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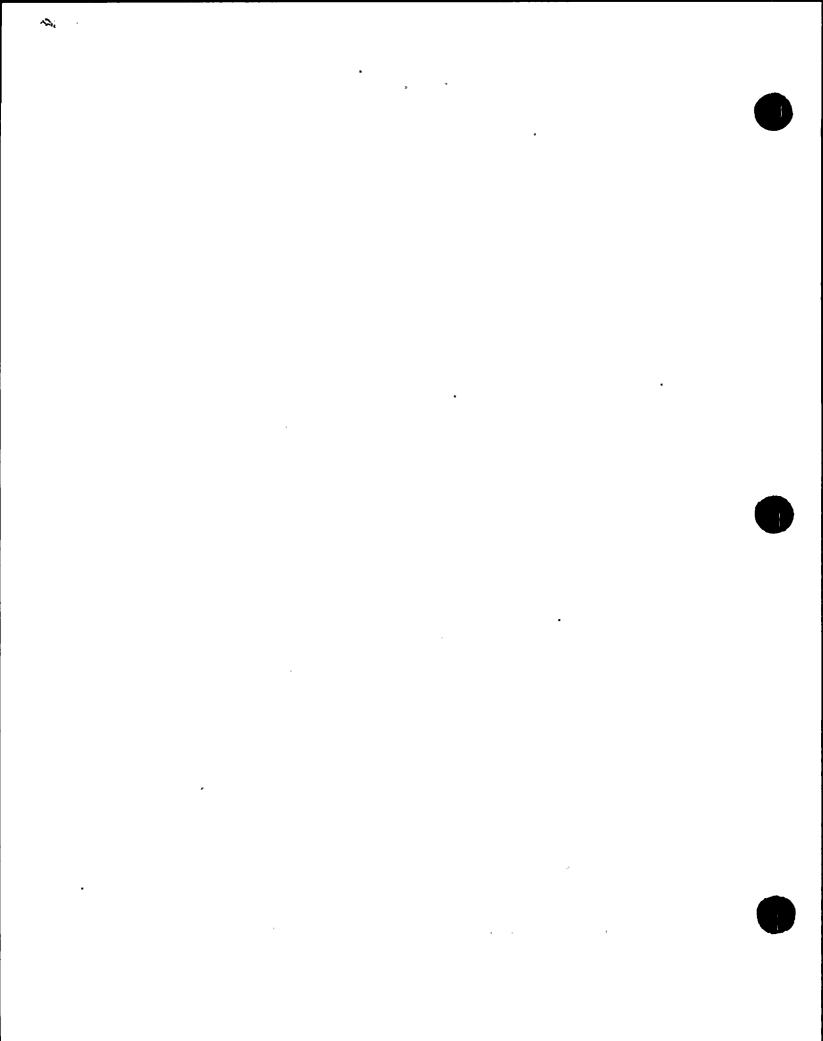
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DASTER PARTS LIST



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TARRA CONTRACTOR DE LA CONTRACTOR DE LA

TOOL NO

HOUN/QUAL

REQO

TOOL RECEIVED BY

NO TOOLS .

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COMPONENT ID PCS-TORUS-MASTER

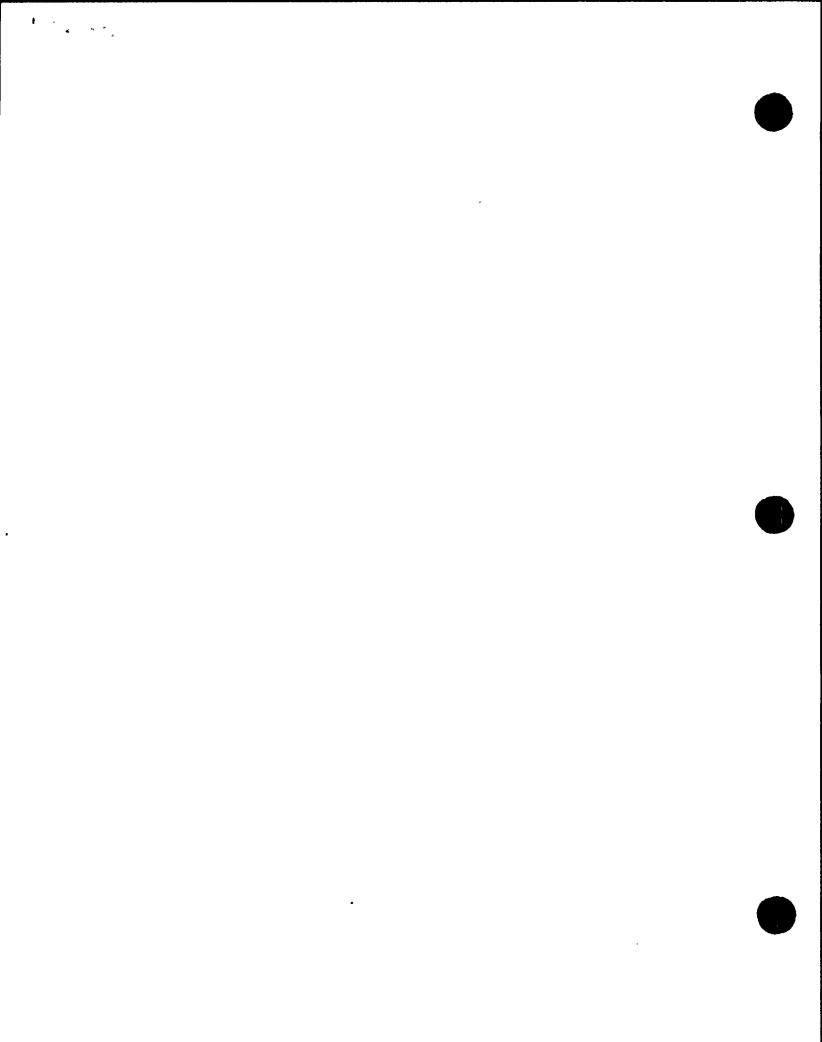
FILE NO

COMPONENT ID

FILE NO

COMPLETED

NO ASSOCIATED TEXT



N/A Level: NA Date: N/A

Date: N/A

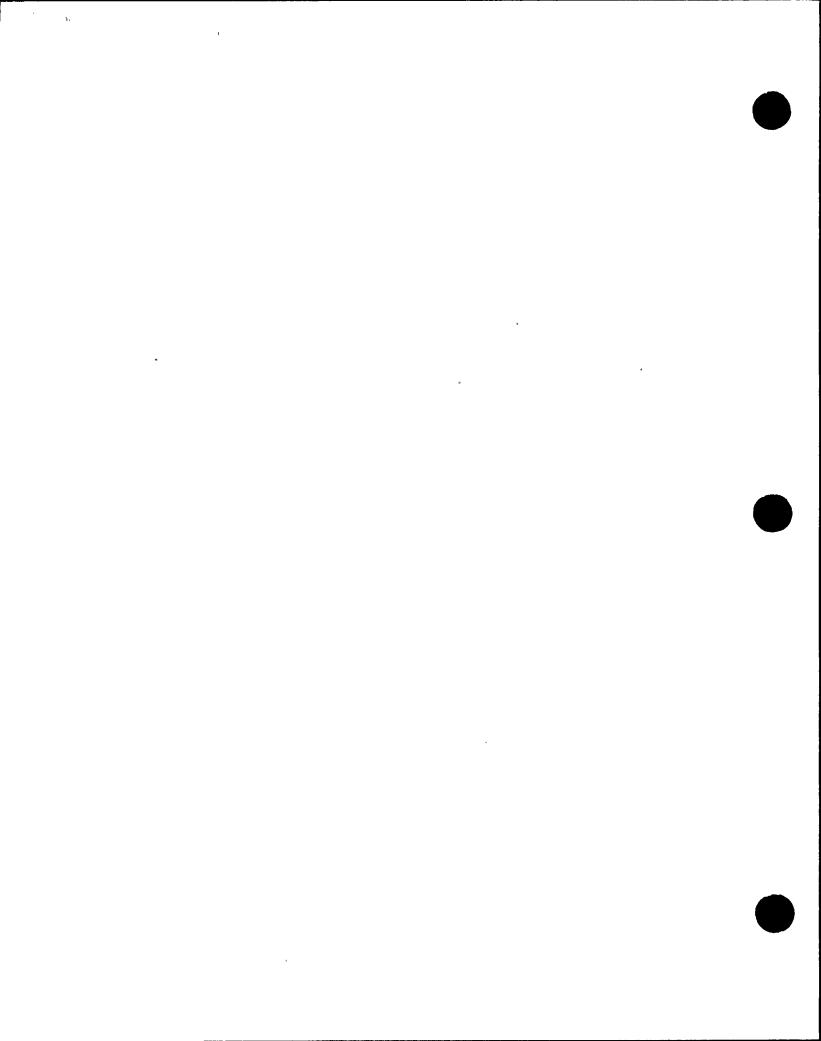
Previous Outage

Data Reviewed? Yes A No A Reviewer A

NIAGARA MOHAWK Nine Mile Point Unit 1 ISO/Dwg.: N/A System: PCS Serial #: QA-NDE-UT-035 MFG./Model #: KB-DMS Quarterly Due: 6/20/99 Velocity: .2317 Pulse Length/ Damp.: N/A Freq.: N/A Range: N/A DEC/Gate: N/A Reject: N/A DEC/Gate: N/A Reject: N/A Mode Select: Dual MOHAWK NDE Report: 1-6.05-99-0017 Page 1 ot 3 Work Document: 98-08031-00 Exam Item: SEE REMARKS Procedure: NDEP-UT - 6.05 / Rev. 11 100 DAC CRT Calibrated In Inches Of Each Major Screen Division = N/A Freq.: N/A Range: N/A DEC/Gate: N/A Reject: N/A Jacks: T&R NOME Report: 1-6.05-99-0017 Page 1 ot 3 Work Document: 98-08031-00 Exam Item: SEE REMARKS Procedure: NDEP-UT - 6.05 / Rev. 11 CRT Calibrated In Inches Of Each Major Screen Division = N/A Freq.: N/A Range: N/A DEC/Gate: N/A Reject: N/A Jacks: T&R N/A Mode Select: Dual Coarse Gain: N/A Fine: N/A Scan Sens:: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A			PAGE 1 OF 3
Nine Mile Point Unit 1 ISO/Dwg.: N/A System: PCS Substant Remover Settings MFG./Model #: KB-DMS Quarterly Due: 6/20/99 Velocity: .2317 CRT Calibrated In Inches OI Each Major Screen Division = N/A Freq.: N/A Range: N/A Freq.: N/A Range: N/A Freq.: N/A Range: N/A Freq.: N/A Range: N/A Jacks: T&R Jacks: T&	N V NIAGARA	III TOACCHIC EVALU	*
Nine Mile Point Unit 1 ISO/Dwg.: N/A System: PCS Sustain #: OA-NDE-UT-035 MFG./Model #: KB-DMS Quarierly Due: 6/20/99 Velocity: .2317 Pulse Length/ Damp.: N/A Freq.: N/A Range: N/A DEC/Gate: N/A Reject: N/A Jacks: T&R Mode Select: Dual Mode Select: Dual Linearity Verification Performed Walphoriz. W	M MOHAWK	ULTRASONIC EXAMI	
SO/Dwg.: N/A System: PCS		•	
System: PCS	Nine Mile Point Unit 1		Page 1 of 3
System: PCS Exam Item: SEE REMARKS Procedure: NDEP-UT - 6.05 / Rev. 11	ISO/Dwg.: N/A		Work Document: 98-08031-00
Procedure: NDEP-UT - 6.05 / Rev. 11 INSTRUMENT SETTINGS Serial #: OA-NDE-UT-035 MFG/Model #: KB-DMS Quarterly Due: 6/20/99 Velocity: .2317 CRT Calibrated In Inches Of Each Major Screen Division = N/A Pulse Length/ Damp.: N/A Freq.: N/A Range: N/A DEC/Gate: N/A Reject: N/A DEC/Gate: N/A Reject: N/A DEC/Gate: N/A Reject: N/A Mode Select: Dual .801* N/A N/A N/A N/A N/A Scan Sens.: N/A Linearity Verification Performed WM-Horiz, WM-Verification Performed Inches Of Intermediate N/A Serial #: 0086CH SillCON Salch 1934 SillCON Batch: 9344799* CALIBRATION CHECKS Initial Calibration 0730 Intermediate N/A Mode: Longitudinal Cable: Self-Contained 2x6* Acceptance Criteria: .434* PER NER-1S-025, REV, 0 Remarks: UTT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV. 0 AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE &			Exam Item: SEE REMARKS
INSTRUMENT SETTINGS Serial #: CA-NDE-UT-035 MFG./Model #: KB-DMS Cuarterly Due: 6/20/99 Velocity: 2317 CRT Calibrated In Inches Of Each Major Screen Division = N/A Freq.: N/A Range: N/A Freq.: N/A Range: N/A Bob Select: Dual Coarse Gain: N/A Fine: N/A Scan Sens.: N/A Linearity Verification Performed WA]Horiz. Welvert. Welver			
Serial #: OA-NDE-UT-035 MFG/Model #: KB-DMS Uarterly Due: 6/20/99 Velocity: .2317 CRT Calibrated In Inches Of Each Major Screen Division = N/A Reflector Orient. %ESH Pos. Freq.: N/A Range: N/A Freq.: N/A Range: N/A Reflector Orient. %ESH Pos. DEC/Gate: N/A Reject: N/A Jacks: T&R			
MFG./Model #: KB-DMS Quarterly Due: 6/20/99 Velocity: .2317 CRT Calibrated In Inches Of Each Major Screen Division = N/A Pulse Length/ Damp.: N/A Freq.: N/A Range: N/A DEC/Gate: N/A Reject: N/A 199° N/A N/A N/A DEC/Gate: N/A Reject: N/A 199° N/A N/A N/A N/A DEC/Gate: N/A Reject: N/A 199° N/A N/A N/A N/A Mode Select: Dual 801° N/A N/A N/A N/A Mode Select: Dual 801° N/A		· · · · · · · · · · · · · · · · · · ·	
Velocity: .2317 CRT Calibrated In Inches Of Boundary Due: 6/20/99 Velocity: .2317 CRT Calibrated In Inches Of Boundary Due: 6/20/99 Velocity: .2317 CRT Calibrated In Inches Of Boundary Screen Division = N/A Bellector Orient, %ESH Pos. 50 Pulse Length/ Damp.: N/A Reflect Orient, %ESH Pos. 50 Pulse Length/ Damp.: N/A Reflect Orient, %ESH Pos. 50 Pulse Length/ Damp.: N/A Reflect Orient, %ESH Pos. 50 Pulse Length/ Damp.: N/A		Scan Direction: N/A	100- DAC
Velocity: .2317 CRT Calibrated In Inches Of Each Major Screen Division = N/A Pulse Length/ Damp: N/A Preq.: N/A Range: N/A PEC/Gate: N/A Reject: N/A .199" N/A N/A N/A DEC/Gate: N/A Reject: N/A .399" N/A N/A N/A N/A Jacks: T&R .399" N/A N/A N/A N/A Jacks: T&R .399" N/A N/A N/A N/A Dec/Gate: Dual .801" N/A N/A N/A N/A Coarse Gain: N/A Fine: N/A Scan Sens.: N/A N/A N/A N/A N/A N/A Scan Sens.: N/A N/A N/A N/A N/A N/A N/A N/A Scan Sens.: N/A	111, C111110001 111		
Velocity: .2317 CHI Calibrated in Inches Of Each Major Screen Division = N/A Pulse Length/ Damp.: N/A Preq.: N/A Range: N/A DEC/Gate: N/A Reject: N/A DEC/Gate: N/A Reject: N/A DEC/Gate: N/A Reject: N/A Dacks: T&R Jacks: T&R Jags* N/A N/A N/A N/A N/A N/A N/A Coarse Gain: N/A Fine: N/A Scan Sens.: N/A	Quarterly Due: 6/20/99	4	1 1 1 1 1 1 1 1 1 1
Each Major Screen Division = N/A Freq.: N/A Range: N/A Freq.: N/A Freq.: N/A Range: N/A Freq.: N/	Velocity: .2317	CRT Calibrated In Inches Of	
Pulse Length/ Damp.: N/A Freq.: N	•	Each Major Screen Division = N	V/A IIIIIIIIIII
Freq.: N/A Range: N/A .199" N/A N/A N/A .30	Pulse Length/ Damp.: N/A	•	60-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
DEC/Gate: N/A Reject: N/A 199* N/A N/A N/A 30		Reliector Orient. %FSF	
Jacks: T&R Mode Select: Dual Both Select: Dual B		.199" N/A N/A	
Mode Select: Dual Coarse Gain: N/A Fine: N/A Coarse Gain: N/A Fine: N/A Scan Sens.: N/A		.399" N/A N/A	
Coarse Gain: N/A Fine: N/A Scan Sens.: N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A			N/A 20-
N/A			N/A 10-lindindindindindindindindindindindindindi
Linearity Verification Performed			0 -1 1 1 1 1 1 1 1
Linearity Verification Performed MA Horiz. MA Vert. MA Amp.	1477	• • • • • • • • • • • • • • • • • • • •	0 1 2 3 4 5 6 7 8 9
SEARCH UNIT Serial #: 00B6CH SillCON Batch: 9344799* QA-NDE-T-080 Due: 7/20/99 Brand: KBA Frequency: 4 mHz Size/Shape: .625* / Round Dual Style/Type: Gamma/KBA560 CALIBRATION CHECKS Initial Calibration 0730 Intermediate N/A SW-CS-02 Scan Angle: 0 * Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Cable: Self-Contained 2x6* Acceptance Criteria: .434* PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE). SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100		N/A N/A	N/A
Serial #: 0086CH SILCON Batch: 9344799* QA-NDE-T-080 Due: 7/20/99 Brand: KBA Frequency: 4 mHz Size/Shape: .625* / Round Dual Style/Type: Gamma/KBA560 CALIBRATION CHECKS Initial Calibration 0730 Intermediate N/A SW-CS-02 Scan Angle: 0 º Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Cable: Self-Contained 2x6* Acceptance Criteria: .434* PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100			•
Brand: KBA Frequency: 4 mHz Size/Shape: .625" / Round Dual Style/Type: Gamma/KBA560 CALIBRATION CHECKS Initial Calibration 0730 Intermediate N/A SW-CS-02 Scan Angle: 0 ° Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025. REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV. 0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE & OUTSIDE). SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100			- %
Size/Shape: .625" / Round Dual Style/Type: Gamma/KBA560 CALIBRATION CHECKS Initial Calibration 0730 Intermediate N/A SW-CS-02 Scan Angle: 0° Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Surface: © Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV. 0, AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE & OUTSIDE), BAY 19 (INSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS.			•
Style/Type: Gamma/KBA560 CALIBRATION CHECKS Initial Calibration 0730 CALIBRATION BLOCK Intermediate N/A SW-CS-02 Scan Angle: 0 ° Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Surface: CD Cable: Self-Contained 2x6 Acceptance Criteria: .434" PER NER-1S-025, REV, 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100			
Initial Calibration 0730 CALIBRATION BLOCK Intermediate N/A SW-CS-02 Scan Angle: 0° Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Surface: © Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE). SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100			Comp. Temperature: 66 °F
Intermediate N/A SW-CS-02 Scan Angle: 0 ° Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Surface: CD Cable: Self-Contained 2x6: Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE). SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A	Style/Type: Gamma/KBA560		•
Scan Angle: 0° Intermediate N/A Block Thickness: .049988010 Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Surface: © Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE). SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A			
Measured Angle: N/A Intermediate N/A Component Thickness: N/A in. Mode: Longitudinal Final Calibration 0910 Surface: © Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSI & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A			
Mode: Longitudinal Final Calibration 0910 Surface: CD Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.O. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSI & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A	Scan Angle: 0°		
Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSI & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A	Measured Angle: N/A	Intermediate N/A	•
Cable: Self-Contained 2x6' Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSI & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A		Final Calibration 0910	Surface: CD
Acceptance Criteria: .434" PER NER-1S-025, REV. 0 Remarks: UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.0, AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSI & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A			
UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.O. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSI & OUTSIDE). SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A		PER NER-1S-025, REV. 0	
UT THICKNESS EXAMS PERFORMED ON OUTSIDE OF TORUS SHELL IN ACCORDANCE WITH NER-1S-025 REV.O. AREAS EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSIDE). SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A	•		
EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE), BAY 9 (INSIDE & OUTSIDE), BAY 13 (INSIDE & OUTSIDE), BAY 19 (INSI & OUTSIDE), SEE ATTACHED SKETCH SHEETS FOR READINGS. Reason(s) for Incomplete Exam % of Exam Completed: 100 N/A			
N/A		IED ON OUTSIDE OF TORUS SHELL	
N/A	UT THICKNESS EXAMS PERFORM EXAMINED WERE: BAY 3 (INSID	E & OUTSIDE), BAY 9 (INSIDE & OI	
Exam Item is? Acceptable	UT THICKNESS EXAMS PERFORM EXAMINED WERE: BAY 3 (INSIDI & OUTSIDE). SEE ATTACHED SKE	E & OUTSIDE), BAY 9 (INSIDE & OUTCH SHEETS FOR READINGS.	
Exam item is? Acceptable	UT THICKNESS EXAMS PERFORM EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE). SEE ATTACHED SKE	E & OUTSIDE), BAY 9 (INSIDE & OUTCH SHEETS FOR READINGS.	
	UT THICKNESS EXAMS PERFORM EXAMINED WERE: BAY 3 (INSIDE & OUTSIDE). SEE ATTACHED SKE	E & OUTSIDE), BAY 9 (INSIDE & OUTCH SHEETS FOR READINGS.	% of Exam Completed: 100

Examiner

ANII:



▼ NIAGARA ■ MOHAWK

- NDE SKETCH SHEET -

Nine Mile Point Unit 1

ISO/Dwg.: N/A System: PCS

NDE Report: 1-6.05-99-0017

Page Z of 3_ Work Document: 98-08031-00

Exam Item: SEE REMARKS

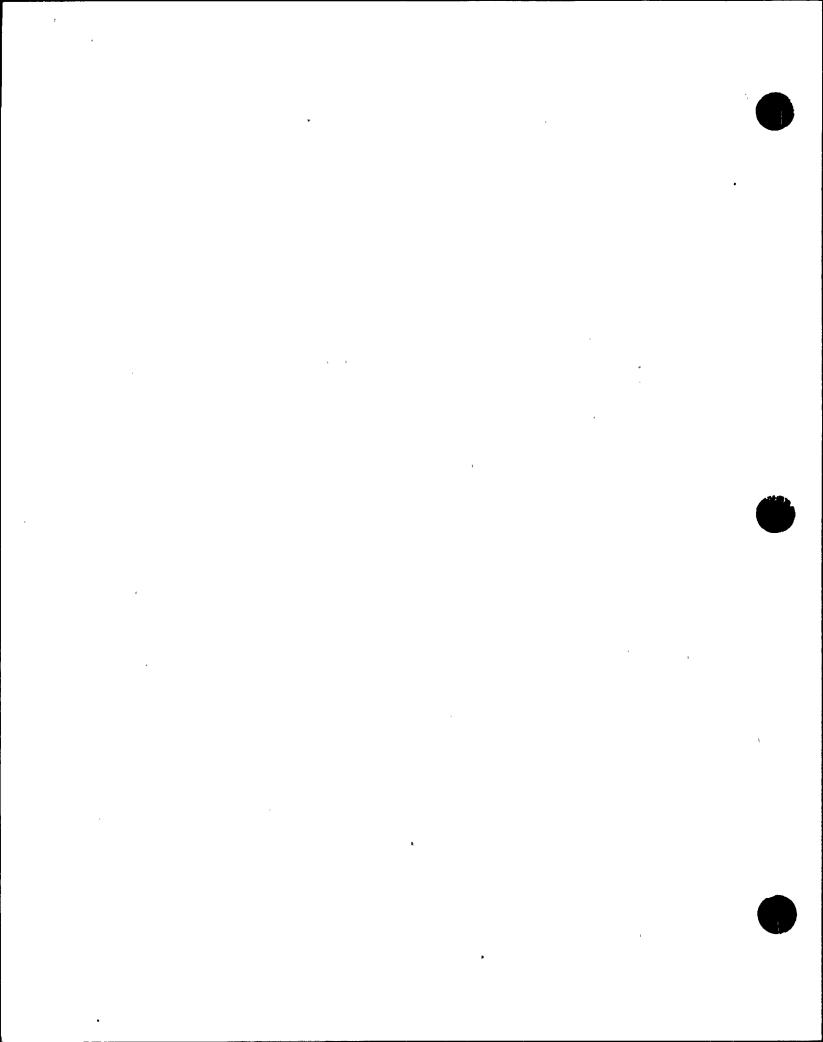
Procedure: NDEP-UT - 6.05 / Rev. 11

	Exam Item	:	3-1				Exam Item:		3-0		
ł	Α	В	С	D	E	1	Α	В	С	Ð	E
h	0.454	0.454	0.465	0.456	0.458	1	0.454	0.464	0.454	0.448	0.464
2	0.464	0.442	0.454	0.460	0.461	2	0.456	0.468	0.449	0.455	0.466
3	0.448	0.448	0.453	0,458	0.463	3	0.462	0.455	0.457	0.461	0.461
4	0.452	0.451	0.450	0.455	0.458	4	0.474	0.463	0.462	0.456	0.454
5	0.449	0.461	0.449	0.459	0.460	5	0.461	0.476	0.467	0.458	0.461
6	0.462	0.438	0.447	0.454	0.459	6	0.456	0.450	0.458	0.466	0.462
7	0.455	0.459	0.452	0.460	0,452	7	0.459	0.455	0.452	0.460	0.454
8	0.452	0.453	0.451	0.454	0.463	8	0.457	0.461	0.451	0.455	0.462
9	0.464	0.454	0.445	0.461	0.458	.9	۰۰ 0.458	0.455	0.450	0.453	0.457

	Exam Item:		9-1				Exam item:		9-0		
	Α	В.	С	D	Ε,		Α	В	С	D	E
1	0.478	0.457	.0.461	0.466	0.469	1	0.466	0.452	0.461	0.461	0.472
2	0.475	0.449	0.461	0.466	0.468	2	0.461	0.457	0.459	0.465	0.477
3	0.462	0.461	0.464	0.464	0.455	3	0.470	0.477	0.463	0.474	0.480
4	0.471	0.479	0.461	0.464	0.454	4	0.468	0.465	0.461	0.472	0.474
5	0.462	0.448	0.460	0.463	0.450	5	0.452	0.477	0.452	0.463	0.462
6	0.472	0.464	0.450	0.467	0.457	6	0.469	0.478	0.459	0.463	0.469
7	0.467	0.467	0.462	0.469	0.457	7	0.462	0.476	0.464	0.481	0.461
8	0.454	0.466	0.451	0.464	0.455	8	0.459	0.472	0.475	0.487	0.458
9	0.464	0.454	0.446	0.470	0.474	9	0.467	0.471	0.478	0.481	0.457

Examiner	1: _ Todd L Dan	Level:	Date: 4/14/99
Examiner			Date: 4/14/99
Reviewer	Janie M. Robers - Level IR Date	: 4/14/99	

___ Date: <u>\(\begin{align*} / A \\ \end{align*} \) \(\begin{align*} \frac{1}{A} \\ \end{align*} \]</u> ANII:



▼ NIAGARA ■ MOHAWK

- NDE SKETCH SHEET -

Nine Mile Point Unit 1 ISO/Dwg.: N/A

System: PCS

NDE Report: 1-6.05-99-0017

Page 3 of 3 Work Document: 98-08031-00

Exam Item: SEE REMARKS

Procedure: NDEP-UT - 6.05 / Rev. 11

	Exam Item:		13-1				Exam Item:		13-0		
1	A	В	С	ם .	E	-	A	В	С	D	E
1	0.463	0.454	0.452	0.466	0.471	1 1	0.472	0.464	0.463	0.461	0.479
2	0.472	0.457	0.456	0.461	0.467	2	0.471	0.468	0.463	0.467	0.462
3	0.462	0.448	0.448	0.464	0.464	3	0.471	0.474	0.471	0.472	0.467
4	0.472	0.445	0.448	0.458	0.471	4	0.472	0.471	0.457	0.461	0.463
5	0.475	0.454	0.461	0.470	0.465	5	0.465	0.462	0.460	0.461	0.461
6	0.471	0.464	0.459	0.469	0.461	6	0.467	0.469	0.459	0.461	0.464
7	0.446	0.463	0.460	0.473	0.468	7	0.465	0.470	0.468	0.463	0.467
8	0.465	0.473	0.457	0.482	0.464	8	0.461	0.473	0.455	0.474	0.474
9	0.457	0.474	0.456	0.477	0.463	9	0.471	0.470	0.460	0.468	0.464

	Exam Item:	•	19-1			Exa	ım Item:	1	9-0		
	A	В	С	D	E		A	В	С	D	E
1	0.464	0.484	0.462	0.478	0.457	1	0.460	0.452	0.449	0.461	0.461
2	0.468	0.468	0.464	0.464	0.469	2	0.454	0.461	0.460	0.471	0.453
3	0.474	0.462	0.471	0.477	0.474	3	0.464	0.461	0.458	0.455	0.449
4	· · ·	0.461	0.458	0.464	0.470	4	0.454	0.455	0.456	0.461	0.457
5		0.474	0.462	0.474	0.466	5	0.456	0.455	0.445	0.468	0.468
6	0.481	0.482	0.461	0.474	0.463	6	0.466	0.450	0.454	0.460	0.445
7	0.477	0.462	0.459	0.470	0.472	7	0.447	0.455	0.440	0.455	0.448
8	0.481	0.462	0.462	0.474	0.467	8	0.453	0.448	0.448	0.452	0.466
9	0.474	0.466	0.467	0.458	0.462	9	0.462	0.460	0.450	0.448	0.454

Examiner	1:	Into Hour	

Date: 4/14/99

Date: 4/14/99

Examiner 24

Reviewer:

Obmo Level: IR Date: 4/14/99

ANII:_

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■ ▼ NIAGARA M MOHAWK

- IWE VISUAL EXAMINATION REPORT

Nine Mile Point Unit 1

ISO/Dwg./BZ: C-15156-C Rev 07

System: PCS-TORUS

NDE Report: 1-2.04-99-0106

Page 1 of 3

Work Document: 98-08031-00

Exam Item: TORUS

Procedure: NDEP-VT - 2.04 / Rev. 02

Method Used: IWE VT-3 Direct/Remote

Surface Condition:

Noncoated

/ Day & Wet

Illumination Time Checks SEE ATT. Initial Intermediate

Intermediate

Equipment Used:

Tape.

Video Camera. Character Card, Flashlights

Light Meter Pit Gage 6" Rule.

Surface Location: Inside

Illumination Equipment: Battery

Light Meter M&TE: IC2 3439/IC23440

Final Due Date: 09/01/99

Illumination Data: Distance to Exam Surface

fc 90

Condition		Description
Flaking/Blistering/Peeling	N/A	Non-Coated Surfaces
Discoloration	Accept	See attachment page(s)
Cracks '	Accept	No cracks found
Corrosion	Accept	See attachment page(s)
Wear/Dents	Accept	See attachment page(s)
Gouges	Accept	No gouges found
Pitting	Accept	See attachment page(s)
Arc Strikes	Accept	No arc strikes found
Surface Irregularities	Accept	See attachment page(s)
Other Signs of Distress	ACCEPT	No other signs of distress noted

DM4/21/94

Reference Documents: N/A

Acceptance Criteria: 1992 ASME Sect. XI,1492 Abo.

Exam Item is? Acceptable

NER-15-025, REV 00.

Remarks:

Examinations were performed on 4/18/99 and 4/19/99. The exams were conducted by two examiners, one on day shift, one on night shift. The day shift examiner was accompanied by an engineer responsible for the Torus. Both examiners qualified the examination to a distance of 8' by discerning the required 4' distance characters with light levels above the minimum requirement of 50 foot candles. See attachment page(s) for light levels and times.

Examiner 1:

David J. McCloskey Level: Il Date: 04/18/99

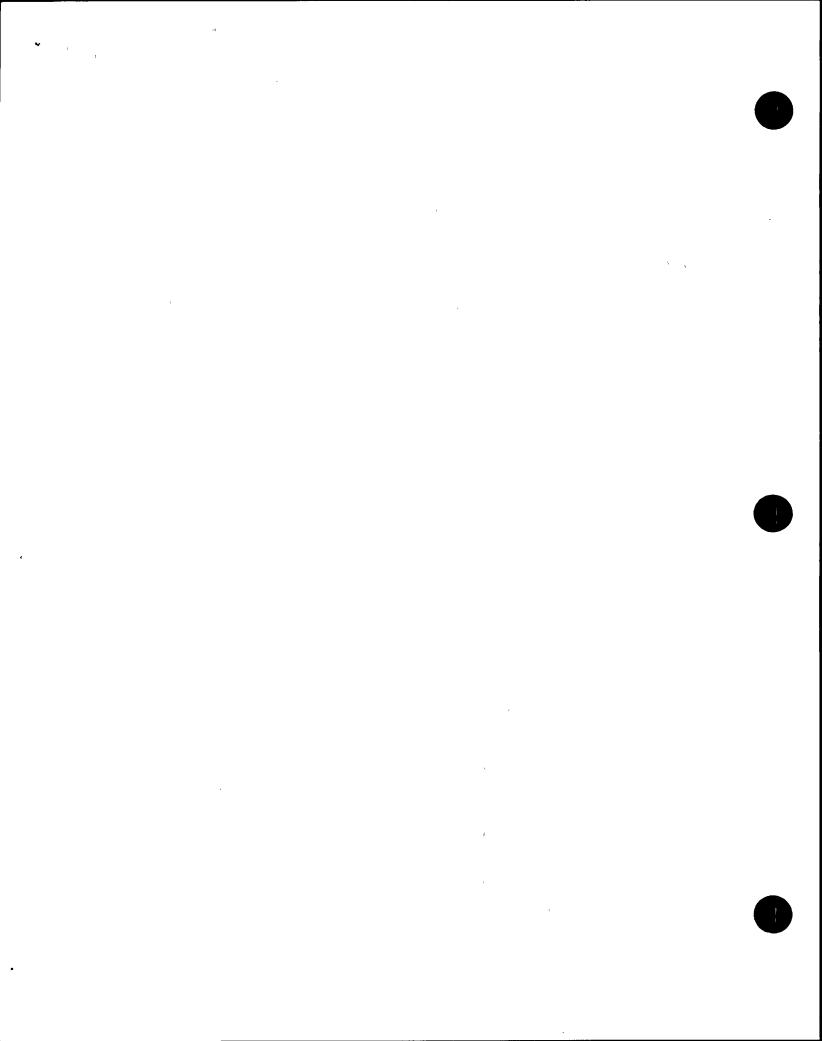
Examiner 2:

Ean Tennant Level: Il Date: 4/18/99

Reviewer: Z

____ Level: # Date: 4-21-99

Previous Outage Data Reviewed? Date: 4/21/99 Yes NA No NA



V NIAGARA ______ NDE SKETCH SHEET -

De Mile Point Unit 1

/Dwg.: C-151540-C 12-07

System: 765-70205

NDE Z Report: 1-2.04-99-010L

Page + of 3

Work Document: 98-03-01-00 472

Exam Item: TORUS

Procedure: NDEP-VII-Z.04, ROZ

UNIT 1 TORUS IWE EXAMINATION PARAMETERS

This report documents examinations performed on the inside surfaces of the torus in accordance with ASME Section XI, Subsection IWE, Table IWE 2500-1, Categories E1.12 & E1.20.

The examinations were performed from the normal operating water level line to the bottom of the torus. This examination was performed to take advantage of the planned dewatering for installation of new ECCS Suction Strainers during RFO-15.

Specific examination items and areas are listed below:

- Torus shell from the waterline (approximately elev. 211'6") and below.
- · Torus ring girder from the waterline down.
- Torus downcomers from the waterline down including both inside and outside surfaces.
- T-Quenchers from the waterline down.
- Vent Header assembly from the waterline down.

Examiner 1 inspected bays 1,2,3,5,9,10,12,13,14,15,16,17,18,19,20. Examiner 1 qualified the light source using the light meter at 3" with the following levels and times:

Begin exam 04/18/99 @ 0730 hrs. Value = 120 fc. End exam 04/18/99 @ 1015 hrs. Value = 80 fc. Begin exam 04/18/99 @ 1530 hrs. Value = 80 fc. End exam 04/18/99 @ 1715 hrs. Value = 60 fc.

Examiner 2 inspected bays 4,6,7,8,11. Examiner 2 qualified the light source using the light meter at 8' with the following levels and times:

Begin exam 04/18/99 @ 2145 hrs. Value = 90 fc. End exam 04/18/99 @ 2230 hrs. Value = 90 fc. Begin exam 04/19/99 @ 0015 hrs. Value = 90 fc. End exam 04/19/99 @ 0150 hrs. Value = 90 fc.

Examiner 1: Survey 3.11	coskév	Level: I	Date: 420 kg
Examiner 2: Enn Termant	EAU TENNANT		Date: 4/20/99
eviewer: TOPALIE	Level: TI Date		
ANII: ZO Cerderson	Date	:4/21/99	

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HT2 NO 78-0803	رن-18
PA4E 3 43	P. 39 of 9
الموطان بجوائدة بالقادانية بمهانتها بمواهد المواهد	7

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N	M	MOHAWK	•

NDE SKETCH SHEET -

/Dwg.:	Point Unit 1 C-151510-C, R-07
System:	PCS-TORUS

NDE = Report: /	-2.04-99-01de	
NDE 3 Report: 1	08031 98- 03081 -00	1500
Exam Item:	TOIZUS XEP-VT-2.04 RO	

UNIT 1 TORUS IWE EXAMINATION RESULTS

- Flaking and blooming rust was observed at the waterline region (elevation 211' 6") of each torus bay (1-20). Several areas were mildly scraped to assess the base metal condition. There was no discernable evidence of aggressive corrosion or significant loss of shell plate material. The freshly exposed metal revealed a hard, dark and thin oxide layer. In conjunction with the ultrasonic thickness measurements taken from outside the torus in eight areas on the waterline, the general corrosion observed is within acceptable limits. (Refer to NER-1S-025, Rev 00, Sections 4.0 through 8.0; NER-1S-027, Rev 00, Section 3.0, and UT Report 1-6.05-99-0017 associated with WO 98-08031-00)
- Flaking rust was observed on the ring girders with the worst case found at the underside of the girders at the waterline region. Several of these areas were scraped, revealing smooth, non-pitted flange surfaces. There was no discernable material loss. The ring girders in these areas are acceptable. (Refer to NER-1S-027, Rev 00)
- Black discoloration of the shell plate was noted throughout the torus starting at approximately 2' below the waterline and extending for 4'-6' toward the bottom of the torus. According to Engineering, the discoloration is a form of corrosion. The corrosion is very thin (<1/32") and tightly adhered. There is no discernable loss of material in the discolored area. Based on Engineering's evaluation of this area while accompanying QI during the inspection, this area is acceptable.
- Pitting was noted in Bay 4 on the top surface of the ring girder flange. The deepest area found is approximately 1/32". Per Engineering Report NER-1S-027, several different corrosion allowances are given for the ring girder flange. The most conservative allowance is .035". This minimum value is deeper than 1/32", therefore, the pitting noted is acceptable.
- Rust blooms were observed on the inner and outer surfaces of the Containment Vent
 Downcomers. The blooms were scraped in several areas revealing no discernable material
 loss. Therefore, the rust on the downcomers is not considered excessive and the downcomers
 are acceptable.
- Several downcomers have bent/damaged laterally oriented, circumferential rings welded to
 the lower ends. These rings are left over from a previous design that tied together all
 downcomer tailpieces. The tie bars connecting the downcomers were removed and the rings
 were retired in place. There was no damage observed on the downcomers resulting from the
 ring damage. Therefore, ring damage is a satisfactory. (Ref to dwg F-58018-C, Rev 00)

ı		The general condition of the torus			. The fust
ļ		Appdition is minor with no unacce	ptable pitting or mechanica	I damage noted.	al I
I	Examiner	1: Dene la D. Ma	Clobkey	Lovel: I	Date: 4/20/99
	Examiner	2: Em Tomont	EAU TEUNAUT		Date: 4/20/99
	eviewer	: I Oldfull	Level: III Date		
	ANII:	20 anles	Date	:4/21/99	

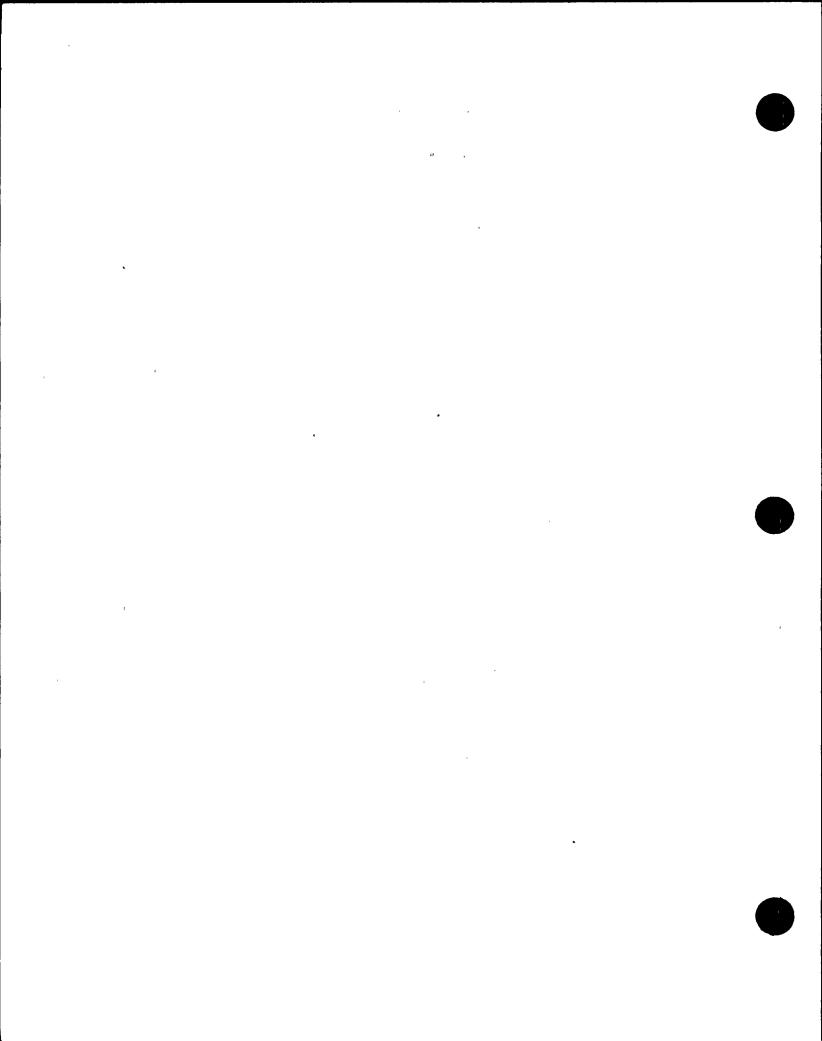
, ,

477. 3 TO WO 75-00031-00 P3 10F1 P. 40 0/40

MOHAWK - ASSURANCE	NUCLEAR DEPARTMENT

QUALITY INSPECTION REPORT

	1PC00E			PAGE 1	OF <u> </u>				
PROCEDU	PROCEDURE TITLE/SCOPE OF WORK:TORUS REINSPECTION FOLLOWING ECCS CONSTRUCTION ACTIVITIES								
]	EQUIPMENT PIECE: PCS-TORUS								
ł	ETY CLASSIFICATION: _SR ASHE CLASS: _IVE (CL 1,2,3	& 4 FOR	B31.1), ASHE	X1: Y					
	NT/COMPONENT DESCRIPTION: TORUS SHELL PLATE AND RING GIRDERS FROM WATERLIN								
	IBLE CONTRACTOR/DEPARTMENT: NAME 01 - NO WORK GROUP								
	ION PERFORMED TO: WO# 98-08031-00 DDC# N/A SDC#/PCR#(ec2/pc2-	W/A	١					
INSPECT	ION ACCEPT/REJECT CRITERIA PER: NO MECHANICAL DAMAGE; NER-15-025, RO; NER-	15-021, K							
	PROCEDURAL STEPS/INSPECTION ATTRIBUTES, REMARKS AND QC M&TE USED (TYPE & ID #):		INSP	ECTION					
ITEH #	•	REF.	S-U-N/A	INITIAL	DATE				
1	PERFORM INSPECTION OF TORUS SHELL PLATE AND RING GIRDERS IN ALL 20		SAT	issu	5/4/99				
	BAYS FROM THE APPROXIMATE WATERLINE TO BOTTOM OF TORUS. INSPECT FOR								
	SIGHS OF MECHANICAL DAMAGE RESULTING FROM ECCS STRAINER INSTALLATION								
	AND SCAFFOLD ACTIVITIES. NOTE ANY DAMAGE IN THIS REPORT AND INJUIATE			,	·,				
	DER FOR ENGINEERING EVALUATION								
	No Janaco was Land. Den 3/4/99		 						
	TOP CERTAINS DATE RESIDED. 1741		 		 				
	· · · · · · · · · · · · · · · · · · ·	<u></u>	 		 				
-			 	ļ	 				
					 				
			 		ļ				
			 	<u> </u>	 				
				1-4-	t of				
INSPECTIO	ON PLAN PREPARED BY: D. MCCLOSKEY DEMICE ONTE: 4/22/9	9	QI REVI	EWED /	19/9				
			v.						
REF.			1						
NO.	CORRECTIVE ACTION		REINSPECTION						
			S-U-H/A	INITIAL	DATE				
			<u> </u>						
	,								
				_ 					
GIR CLOS	SED BY:		DATE:						





Nine Mile Point Nuclear Power	Station
Unit 1	,

NMP1-ISI-99-05

SECOND INSERVICE INSPECTION INTERVAL

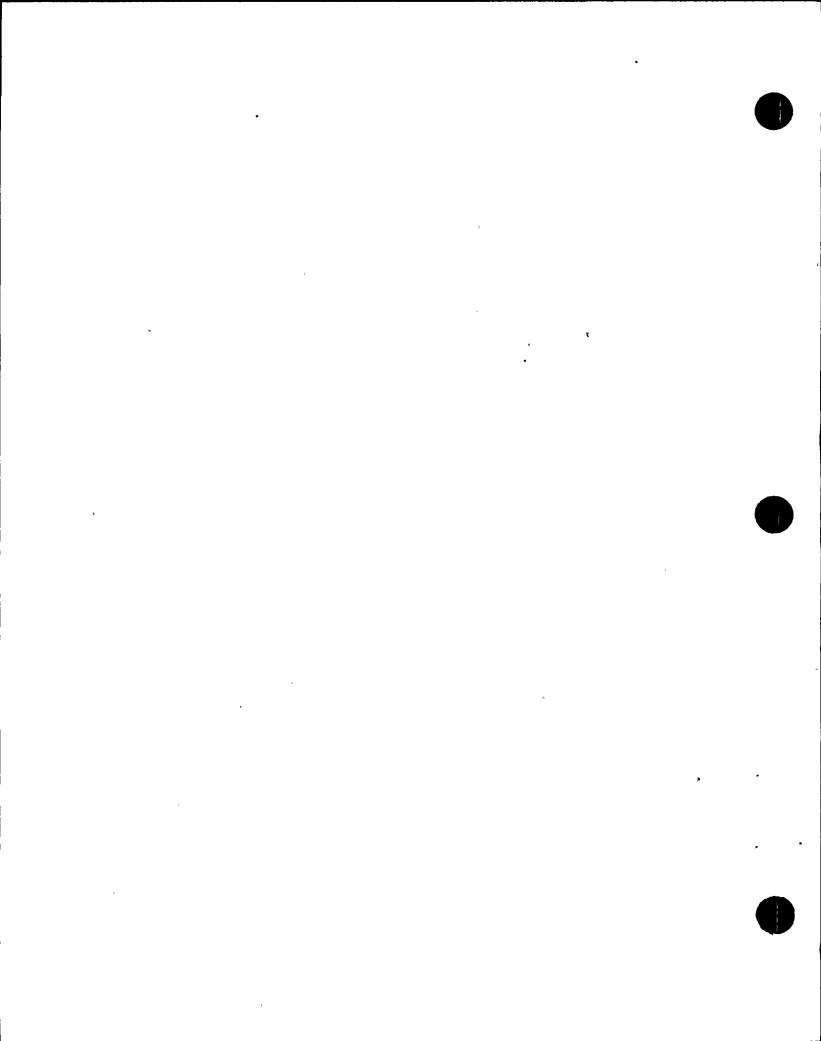
INSERVICE INSPECTION SUMMARY REPORT SUBMITTAL

Rev. 0

September 14, 1999

Page 14 of 15

APPENDIX E
NIS-2 (116 TOTAL)
OWNERS' REPORT FOR
REPAIRS OR REPLACEMENTS



	Owner	Niagara Mohay	vk Power Corpe	oration	•	Dat	e <u>07/07/99</u>			
		P.O. Box 63, L	ycoming, NY	13093		She	et <u>1</u> of <u>1</u>			
2.	Plant	Nine Mile Poir Name Lycoming, NY Addre	13093		Mechanical Main			2-00		
3.	Work Peri	•	gara Mohawk P Name Box 63, Lycom Address		093 Authoriza	tion No <u>.</u>	ol Stamp	N/A N/A N/A		
5.	 Identification of System <u>Control Rod Drive</u> (a) Applicable Construction Code <u>ASME VIII</u> 1965 Edition, <u>N/A</u> Addenda, <u>1270-N</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Sum.'83 Add. Identification of Components Repaired or Replaced and Replacement Components: 									
	Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Búilt	Repaired, Replaced, or Replacement	· ASME · Code Stamped (Yes or No)		
	RV-44-1427 CRD 14-27)	General Electric	71-585	· N/A	NC02 CLASS I	1967	Replaced	YES		
	,, , , , , , , , , , , , , , , , , , , ,						•			
			7	,						
Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-04872-00 at core location 14-27. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other										
		Pressure 1056	psig Test Te	emp. <u>236°</u> I	Test Proce	dure: <u>N1</u>	-IST-LK-101			
	OTE:	in. x 11. in., (2)	information in	items I thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each she	size is 8 x eet, and (3)		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preven maintenance. Serial No. 71-585 replaced by Serial No. A8492, VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD, VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and thi	s Replacement conforms to the					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed: Owner's or Owner	Maint. Manager's Designee, Title	Date <u>7.27</u> ,19 <u>99</u>					
CERTIFI	CATE OF INSERVICE IN	SPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>101918</u> to <u>7/29199</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn Dandusm Co Inspector's Signature	Commissions <u>N は 84 9 a</u> National	Board, State, Province, and Endorsements					
Date 7/29, 1999							

	Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>09/07/99</u>	
	OWNER	Name					eet <u>1</u> of <u>1</u>	
		Addre		150/5		Oil	01 <u></u>	-
2.	Plant	Nine Mile Poir				Un	it <u>·1</u>	
	Lycoming, NY 13093 Address				Mechanical Mair		WO # 98-0209	<u>93-00</u>
					·	-		
3.	3. Work Performed by Niagara Mohawk Power Corp. Type					•	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycon Address	ning, NY 13		•		<u>N/A</u>
					Expiration	n Date _		N/A
4.	Identificat	tion of System	Control Rod D	<u>rive</u>				
5.	(a) A	pplicable Constr	ruction Code A	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a. 1270-N Cod	ie Case
٥.		•						
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	<u>83 Sum, 83 Ad</u>	<u>d.</u>
6.	Identifica	tion of Compone	ents Repaired o	r Replaced a	and Replacement Co	mponent	ts:	
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.	,	Built	Replaced, or Replacement	· Code Stamped (Yes or No)
i	RV-44-1435	General	71-399	- N/A	NC02 CLASS 1	1967	Replaced	YES
(CRD 14-35)	Electric			•			
		•		 .				
	 					<u> </u>		
Re	placed CR		oscrews per AS	ME Work P	ebuilt spare as part o Plan in Work Order 9 ncy.			
8.	Tests Cor	nducted:	-					
		Hydrostatic	Pneuma	atic	Nominal Operating	Pressure	Other	X
		Pressure 1056	<u>i psig</u> Test Te	emp. <u>236°</u> I	Test Proce	dure: <u>N1</u>	-IST-LK-101	
6	OTE:	in. x 11 in., (2)) information in	items 1 thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each sh	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No.-71-399 replaced by Serial No. 71-659. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in th rules of the ASME Code, Section XI.	I this <u>Replacement</u> Repair or Replacement	conforms to the						
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	Expiration DateN	ONE					
Signed: Owner's or Owner's	Maint. Mai Designee, Title	Date <u></u> \(\frac{\gamma}{\gamma}\)	,19 <u>9</u> S					
	2 -							
CERTIFIC	AȚE OF INSERVIC	E INSPECTION						
I, the undersigned, holding a valid communication inspectors and the State or Province of Massachusetts have inspected the compute of 19147, and state that to the best and taken corrective measures described ASME Code, Section XI.	New York and emonents described in this of my knowledge and	ployed by <u>Arkwright I</u> s Owner's Report during to belief, the Owner has perf	Mutual Ins. Co. of the period 7/29/98 ormed examinations					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
June 12 Australia Commissions 1168496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements								
Date <u>9/9</u> , 19 <u>99</u>								

	Owner	Niagara Mohav	wk Power Corp	<u>oration</u>	1	Da	te <u>07/08/99</u>	
		# ·	ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	•
2.	Plant	Nine Mile Poir				Un	it1	
		Lycoming, NY	13093		Mechanical Main		WO # 98-0296 on P.O. No., Job No., etc.	<u>7-01</u>
3.	Work Per	formed by <u>Nia</u>	gara Mohawk F	Power Corp.	Type Cod	e Symbo	ol Stamp	N/A
		. <u>PO</u>	Name Box 63, Lycon	ning, NY 13	093 Authoriza	tion No.		N/A
		٠	Address		Expiration	n Date _	,	N/A_
4.	Identificat	ion of System	Control Rod D	rive			-	1
5.	(a) A _I	plicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a, <u>1270-N</u> Cod	le Case
	(b) A ₁	onlicable Edition	n of Section XI	Utilized for	r Repairs or Replaces	nents 19	983. Sum.'83 Ad	ld.
_	` ' '				•			
6.	Identificat	ion of Compone	ents Repaired of	r Replaced a	and Replacement Co	mponent	is:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	RV-44-1443 CRD 14-43)	General Electric	71-566	- N/A	NC02 CLASS 1	1967	Replaced	YES
		·	,					
<u> </u>	1					l	<u></u>	
					ebuilt spare as part o -02967-01 at core lo			<u>:e.</u>
<u>100</u>	praceu CKI	J per Asivite W	OIK I IAII III WO	IK Older 98	-02307-01 at core to	cation 1-	1-15.	
8.	Tests Con		Pneuma	ntio 🗀	Nominal Operating I	Draccura	Other [abla
		Hydrostatic _	_ rneuma	atic []	Inominal Operating I	1633016	Onler [
		Pressure 1056	psig Test Te	mp. <u>236°</u> I	Test Proceed	iure: <u>N1</u>	<u>-IST-LK-101</u>	
No.	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings ma ough 6 on this report of sheets is recorded	t is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-566 replaced by Serial No. A5226, VT-2 per NDE Report No. 1-2.04-00-0266.

VT-1 for ISI exam of existing capscrews per NDE Report No. 1-2.04-99-0168.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in thrules of the ASME Code, Section XI.	he report are correct and	this Replacement conforms to the						
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	Expiration Date <u>NONE</u>						
Signed: Owner's or Owner's	Maint. Manage	er Date 7.27,1999						
<u> </u>	•							
CERTIFIC	CATE OF INSERVICE	E INSPECTION .						
Inspectors and the State or Province of Massachusetts have inspected the comp to 7/29/99, and state that to the best	of <u>New York</u> and emponents described in this of my knowledge and b	National Board of Boiler and Pressure Vessel ployed by <u>Arkwright Mutual Ins. Co.</u> of Source's Report during the period /119/98 pelief, the Owner has performed examinations at in accordance with the requirements of the						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Lynn D Anderson Co	ommissions <u>NB 84</u> Nat	196 NY 2812 Lional Board, State, Province, and Endorsements						
Date 7/29, 19 <u>99</u>								

	Owner	Niagara Moha	wk Power Corp	oration			Dat	te 07/29/99	
	o whoi	Name						eet <u>1</u> of <u>1</u>	
	•	Addre		<u>15075 </u>			Siic	.ct <u></u> 01 <u>-1</u>	•
2.	Plant	Nine Mile Poi		······································			Un	it <u> </u>	
Ŧ		Lycoming, NY	13093		Mech	anical Mair Rep	itenance pair Organization	WO # 98-0209 on P.O. No., Job No., etc.	<u> </u>
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.		Type Cod	le Symbo	ol Stamp	N/A_
		. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093	Authoriza	ition No <u>.</u>		N/A_
			Address			Expiration	n Date _		N/A_
4.	Identificat	tion of System	Control Rod Da	rive					
		•		•					
5.	(a) A ₁	pplicable Consti	ruction Code <u>A</u>	SME III 19	9 <u>74</u> Editio	on, <u>W'75</u>	Addenda	, <u>1361-2</u> Code	Case.
	(b) A	pplicable Editio	n of Section XI	Utilized for	Repairs	or Replace	ments 19	83, Sum.'83 Ad	<u>ld.</u>
6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Repla	cement Co	mponent	s:	
		<u>-</u>	· ·	· -	·	<u> </u>	- Y		
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Id	entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	ORV-44-1447 CRD 14-47)	General Electric	A8455	- N/A	NC02	CLASS 1	1988	Replaced	YES
	,	•							
	•	f Work: <u>Replac</u> D per ASME W					-		ce.
8.	Tests Con	iducted: -	_						
		Hydrostatic _	Pneuma	atic	Nominal	Operating I	Pressure	Other [\boxtimes
		Pressure 1056	<u> 5 psig</u> Test Te	mp. <u>236 °</u> F	?	Test Proced	dure: <u>N1</u> -	-IST-LK-101	
N	OTE:	in. x 11 in., (2)	sheets in form o information in numbered and th	items 1 thre	ough 6 or	this report	t is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 8455 replaced by Serial No. A5518. VT-2 per NDE Report No. 1-2.04-99-0266.

VT-1 for ISI exam of existing capscrews per NDE Report No. 1-2.04-99-0167.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the							
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE Expiration Date NONE							
Signed: Swner's or Owner	Maintenance Manager Date 7.30 ,1999							
CERTIF	ICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period 7/23/43 to <u>3/2/44</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.								
concerning the examinations and corre	Inspector nor his employer makes any warranty, expressed or implied, ctive measures described in this Owner's Report. Furthermore, neither e liable in any manner for any personal injury or property damage or ted with this inspection.							
Lynn Danlesm (Inspector's Signature	Commissions NB 8496 NY 2812 National Board, State, Province, and Endorsements							
Date <u>8/2</u> , 19 <u>99</u>								

						•		
	Owner		wk Power Corp	<u>oration</u>		Dat	te <u>07/07/99</u>	
		P.O. Box 63, I	ycoming, NY	13093	Sheet <u>1</u> of <u>1</u>			
		Addre	33					
2.	Plant	Nine Mile Poir				Un	it1	
		Lycoming, NY			Mechanical Mair		WO # 98-0210 on P.O. No., Job No., etc.	<u> 14-00</u>
3.	Work Per	formed by <u>Nia</u>	gara Mohawk F	Power Corp.		le Symbo	ol Stamp	N/A
		. <u>PO</u>	Name Box 63, Lycon	ning, NY 13	093 Authoriza	ation No.		N/A
			Address		Expiratio	n Date _		N/A
4.	Identifica	tion of System	Control Rod D	rive			1	
ч.	Identifica	non or bystem	Control Roa D	1110				
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a, <u>1270-N</u> Cod	le Case
•	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum.'83 Ad	<u>ld.</u>
		•			4			
6.	Identifica	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	SS:	
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.		Built	Replaced, or Replacement	· Code Stamped (Yes or No)
D	RV-44-1815	General	71-722~	- N/A	NC02 CLASS 1	1967	Replaced	YES
	CRD 18-15)	Electric		,	· -		•	
-								-
				<u> </u>	<u> </u>].		<u></u>
De	escription o	f Work: Replac	e Control Rod I	Orive with r	ebuilt spare as part o	of preven	tive maintenanc	<u>:e.</u>
Re	placed CR	D and flange cap	screws per AS	ME Work P	lan in Work Order 9	98-02104	-00 at core loca	tion 18-15.
	•	_				2		
8.	Tests Cor	iducted:	_		•			_
		Hydrostatic _	Pneuma	atic 🔲	Nominal Operating	Pressure	Other [X
	•	Pressure 1056	<u>psig</u> Test Te	emp <u>. 236 °</u> F	Test Proce	dure: <u>N1</u>	-IST-LK-101	
V	OTE:	Supplemental	sheets in form o	of lists, sketo	ches, or drawings mo	ry be use	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items 1 thre	ough 6 on this repor of sheets is recorded	t is inclu	ded on each she	eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 71-722 replaced by Serial No. A8062. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code MI. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are c	orrect and this	Replacement conformation confor	ms to the				
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE		Expiration Date NONE					
Signed: Owner's or Owner	Matr's Designee, Title	int. Manager	Date	19 <u>99</u>				
	3	<u>.</u>						
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 7/24/49, and state that to the best and taken corrective measures describ ASME Code, Section XI. By signing this certificate neither the concerning the examinations and corrective Inspector nor his employer shall be loss of any kind arising from or connections.	of New York mponents descri st of my knowle ded in this Owne Inspector nor hi ective measures de liable in any	d by the National and employ bed in this Overdge and believer's Report in the semployer manner for an anner f	onal Board of Boiler and Pressurved by Arkwright Mutual Instruction of Report during the period 7 of, the Owner has performed example accordance with the requirement of the country of th	. Co. of 1/28/98 minations ts of the implied, e, neither				
Jynn & Anderson (Inspector's Signature) Date 7/29, 19 99	Commissions ₋	NBS4-96 National	NY 2812 I Board, State, Province, and Endorsement	s				

-										
	Owner	Niagara Mohay	vk Power Corp	oration		Dat	te <u>07/07/99</u>			
		Name	ycoming, NY			She	eet <u>1</u> of <u>1</u>			
2.	Plant	Nine Mile Poir				Un	it <u>1</u>			
		Lycoming, NY 13093 Address Mechanical Maintenance V Repair Organization						<u>60-00</u>		
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Туре Сос	le Symbo	ol Stamp	N/A		
		· <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriza	ation No <u>.</u>		N/A_		
			Address		Expiratio	n Date _		N/A		
4.	Identificat	ion of System	Control Rod D	rive						
		•			19 <u>65</u> Edition, <u>N/A</u>	A ddand	1270 N Cod	la Casa		
5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SIME VIII	19 <u>03</u> Edition, <u>197A</u>	Addenda	a, <u>1270-14</u> Coo	ie Case		
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum.'83 Ad	<u>ld.</u>		
6.	Identificat	ion of Compone	ents Repaired or	Replaced a	and Replacement Co	mponent	s:			
D			26 - 6 - 4 2	Nutional	Od a Hanisania		Danainad	ASME		
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
	PRV-44-1823	General	71-463	- N/A	NC02 CLASS 1	1967	Replaced	YES		
	CRD 18-23)	Electric								
					,					
D R	Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02060-00 at core location 18-23.									
_		-					4			
8.	Tests Con	ducted: Hydrostatic	Pneuma	atic 🗌	Nominal Operating	Pressure	Other [\boxtimes		
		Pressure 1056	psig Test Te	mp. <u>236°</u> F	Test Proce	dure: <u>N1</u>	-IST-LK-101	•		
	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each she	size is 8 x eet, and (3)		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 71-463 replaced by Serial No. 71-555, VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code MI, VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	ERTIFICATE OF COMPL	IANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and th	is Replacement conforms to the
Type Code Symbol Stamp	NONE	
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed:Owner's or Owner	Maint. Manager	Date 7 .27 ,19 <u>99</u>
CERTIF	ICATE OF INSERVICE II	NSPECTION .
Inspectors and the State or Province Massachusetts have inspected the conto 7/29/49, and state that to the best	of New York and emplo nponents described in this O st of my knowledge and beli	ional Board of Boiler and Pressure Vessel yed by Arkwright Mutual Ins. Co. of wner's Report during the period 7125 45 ef, the Owner has performed examinations n accordance with the requirements of the
concerning the examinations and corre	ctive measures described in e liable in any manner for a	makes any warranty, expressed or implied, this Owner's Report. Furthermore, neither any personal injury or property damage or
Lynn D Elyllism (Inspector's Signature	Commissions <u>NB 8 4 96</u> Nations	NY2512 al Board, State, Province, and Endorsements
Date $\frac{7/30}{}$, 1999		

-		مصدر سيبر في المساور						
	Owner	Niagara Mohav	wk Power Corpo	oration		Dat	te <u>07/08/99</u>	
		•	ycoming, NY	<u>13093 </u>	Sheet <u>1</u> of <u>1</u>			
•	D14					Y Yes	it .1	
2.	Plant	Nine Mile Poir				Uni		
		Lycoming, NY			Mechanical Mair		WO # 98-0210 on P.O. No., Job No., etc.	<u>19-00</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Туре Сос	le Symbo	ol Stamp	N/A_
	4	. <u>PO</u>	Box 63, Lycom	ing, NY 13	093 Authoriza	ation No.		N/A
			Address		Expiratio	n Date _		N/A
4.	Identificat	ion of System	Control Rod Da	rive	T.			
.,								<u> </u>
5.	(a) A ₁	plicable Constr	uction Code <u>A</u>	SME III 19	9 <u>71</u> Edition, <u>S'73</u> A	Addenda,	1361-2 Code	Case
	(b) A ₁	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83' Sum.'83 Ad	<u>d.</u>
6	Identificat	ion of Compone	ents Renaired of	r Renlaced a	nnd Replacement Co	mnonent	·s·	
0,	Identificat		into repaired of			ponom	····	·
	Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
D	RV-44-1827	General	A8030	- N/A	NC02 CLASS I	1986	Replaced	YES
(CRD 18-27)	Electric		,	•			
		• •						
						<u> </u>		
				r (
De Re	escription o	f Work: <u>Replac</u> D and flange cap	e Control Rod I	 Drive with r ME Work P	ebuilt spare as part o	of preven 98-02109	tive maintenand	<u>ce.</u> tion 18-27.
	•	-						
8.	Tests Con	ducted: Hydrostatic	Pneuma	atic 🔲	Nominal Operating	Pressure	Other	\boxtimes
		Pressure 1056	<u>Spsig</u> Test Te	emp. <u>236°</u> I	Test Proce	dure: <u>N1</u>	<u>-IST-LK-101</u>	
'Ly	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each sh	size is 8 x eet, and (3)

Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. A8030 replaced by Serial No. 71-476. VT-2 per NDE Report 1-2.04-99-0266.
 Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	RTIFICATE OF COMPL	CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and the	Replacement con	nforms to the							
Type Code Symbol Stamp	NONE									
Certificate of Authorization No.	NONE	Expiration Date NONE								
Signed:	Maint. Manager	Date 7 · 27	,19 <u>99</u>							
Owner 5 of Owner	o Designee, Thie									
Γ	•	· · · · · · · · · · · · · · · · · · ·								
CERTIF	ICATE OF INSERVICE I	NSPECTION								
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto7/29/99, and state that to the best and taken corrective measures described ASME Code, Section XI.	of New York and emplo ponents described in this O at of my knowledge and beli	yed by <u>Arkwright Mutual</u> wner's Report during the period of, the Owner has performed of	Ins. Co. of od 7/28/98 examinations							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.										
Zynn & Cla-desan (Inspector's Signature	Commissions <u>NB 8496</u> Nations	NY 2812 al Board, State, Province, and Endorse	ments							
Date 7/29, 1999										

		>*' > 6 1	1.0	.• -				00/06/00	
	Owner	Niagara Mohav	wk Power Corp	oration			Dat	e <u>08/26/99</u>	
		P.O. Box 63, Lycoming, NY 13093 Address				Sheet <u>1</u> of <u>1</u>			
2	Plant	Nine Mile Poir					Uni	1	
2.	Pialit	Name					_		
		Lycoming, NY Addre			Mech	anical Mair Rep	itenance pair Organizatio	WO # 97-0583 on P.O. No., Job No., etc.	<u>5-00</u>
3.	Work Per	formed by <u>Nia</u>	gara Mohawk F	ower Corp.		Type Cod	le Symbo	ol Stamp	N/A_
		. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	<u>093</u>	Authoriza	ation No <u>.</u>		N/A
			Address			Expiration	n Date _		N/A
4	7.1	C.O	O41 D- 4 D	 .		•			
4.	Identifica	ion of System	Control Roa Di	nve					
5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edi	tion, <u>N/A</u>	Addenda	i, <u>N/A</u> Code C	ase
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs	or Replace	ments 19	83, Sum.'83 Ad	ld.
_				~	120 1				
6.	Identificat	ion of Compone	ents Repaired of	r Replaced a	and Repla	icement Co	mponent	S:	
	Name of	Name of	Manufacturer'	National	Other Id	entification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No.	Board No.	•		Built	Replaced, or Replacement	- Code Stamped
	n *								(Yes or No)
5	System 44.1	General Electric	N/A	- N/A	NC02	CLASS 1	1969	Replaced	YES
		Electric				····			
		,							
<u> </u>									<u> </u>
İ									
<u></u>		*		<u></u> .	<u> </u>	•	<u>!</u>	<u></u>	l
De	escription o	f Work: Replace	e CRD flange c	apscrews as	part of p	reventive n	naintenar	nce per ASME	work plan
		<u>r 97-05835-00 a</u> XI work plan.	it core location	18-35, Kere	rence DE	K 1-1999-	1908_101_	replacements w	<u>umout an</u>
		_						t	
8.	Tests Con		Pneuma	T	Mominal	Operating 1	Draccura	Other [\square
		Hydrostatic			i wiiiiidi	Operating 1	1 1033416		<u></u>
		Pressure 1056	psig Test Te	mp. <u>236°</u> F	?	Test Proce	dure: <u>N1</u> -	<u>-IST-LK-101</u>	
Ė	OTE:	Supplemental s	sheets in form o	of lists, sketo	hes, or d	rawings ma	ry be used	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items 1 thre	ough 6 oi	this repor	t is inclu	ded on each she	
		each sheet is n	umbered and th	ie number o	f sheets i	s recorded	at the top	o of this form.	

9. Remarks: This replacement was not the result of an inservice failure. CRD flange capscrews replaced as part of preventive maintenance. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020, VT-2 per NDE Report No. 1-2.04-99-0266.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI.								
Type Code Symbol Stamp NONE								
Certificate of Authorization No.	NONE Expiration Date NONE							
Signed: Owner's or Owne	Maintenance Manager Date & LS ,1999							
CERTIF	TICATE OF INSERVICE INSPECTION							
Inspectors and the State or Province Massachusetts have inspected the control of 19199, and state that to the be	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 7/29/98 to 9/9/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Zynn 19 Chalusan Commissions NE 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements								
Date 9/9, 19 99	•							

						_			
3 7.	Owner	Niagara Moha	wk Power Corp	oration	Date <u>07/08/99</u>				
		P.O. Box 63, I	Lycoming, NY	<u>13093 </u>		She	eet <u>1</u> of <u>1</u>		
2.	Plant	Nine Mile Poi		<u>.</u>		[.] Un	it1		
		Lycoming, NY	7 13093	<u>_</u>	Mechanical Main		WO # 98-0211 on P.O. No., Job No., etc.	<u>1-00</u>	
3.	Work Per	formed by Nia	ngara Mohawk P	ower Corp.	Type Cod	e Symbo	ol Stamp	N/A	
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriza	tion No.		N/A_	
			Address		Expiration	n Date _		N/A_	
4.	Identificat	tion of System	Control Rod Da	rive					
5.	(a) A ₁	oplicable Const	ruction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a, <u>1270-N</u> Cod	le Case	
	(b) A:	- nnligable Editio	n of Section VI	I Itilized for	Repairs or Replacer	nants 10	82 Sum 183 Ad	A	
		· ·			•			<u>u.</u>	
6.	Identificat	ion of Compon	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:		
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME	
	Component	Manufacturer	s Serial No	Board No.	•	Built	Replaced, or Replacement	Code Stamped	
Ļ			71.604		NG00 OV A GG 1	1067	1	(Yes or No)	
- 1	ORV-44-1851 (CRD 18-51)	General Electric	71-634	- N/A	NC02 CLASS 1	1967	Replaced	YES	
<u> </u>		-		•		<u>-</u>			
				*					

					,				
D	escrintion o	f Work: Replac	e Control Rod I	Orive with r	ebuilt spare as part o	fpreven	tive maintenanc	:e <u>.</u>	
					02111-00 at core loc			_ _	
8.	Tests Con	ducted: -						•	
		Hydrostatic	Pneuma	atic 🗌	Nominal Operating I	Pressure	Other [\boxtimes	
		Pressure 1056	<u> 5 psig</u> Test Te	mp. <u>236°</u> F	Test Proced	lure: <u>N1</u>	<u>-IST-LK-101</u>		
	OTE:	in. x 11 in., (2)) information in	items 1 thre	ches, or drawings ma ough 6 on this report of sheets is recorded o	is inclu	ded on each she		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-634 replaced by Serial No. A5294, VT-2 per NDE Report No. 1-2.04-99-0266.

VT-1 for ISI exam of existing capscrews per NDE Report No. 1-2.04-99-0165.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.								
Type Code Symbol Stamp	NONE	· · · · · · · · · · · · · · · · · · ·						
Certificate of Authorization No.	NONE	Ex	piration Date <u>NONE</u>					
Signed: Duner's or Owner	Maint.	. Manager	Date	,19 <u>97</u>				
Owner 3 or Owner	3 Designee, True							
CERTIFI	CATE OF INSE	RVICE INSP	ectión					
I, the undersigned, holding a valid cor Inspectors and the State or Province Massachusetts have inspected the com to 7/21/99, and state that to the bes and taken corrective measures describe ASME Code, Section XI.	of <u>New York</u> a ponents described t of my knowledge	nd employed in this Owner e and belief, th	by <u>Arkwright Mutual</u> 's Report during the perine Owner has performed	I Ins. Co. of iod 7/28/48 examinations				
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Tynn D Chilers Commissions NB 9446 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements								
Date 7/21, 19 <u>99</u>	,							

_=									
	Owner	Niagara Mohay	vk Power Corp	oration		Dat	e <u>07/08/99</u>		
		Name			Sheet <u>1</u> of <u>1</u>				
		Addre	\$\$						
2.	Plant	Nine Mile Poir				Un	it <u>1</u>		
Lycoming, NY 13093 Address Mechanical Maintenance WO # 98-01362 Repair Organization P.O. No., Job No., etc.								<u>52-00</u>	
2	117 - 1- D		gara Mohawk F) Com	•		ol Stamp	N/A	
3.	Work Per	• —		•	or Stamp	N/A			
		. <u>PO</u>	Box 63, Lycom Address	<u>iing, 141-13</u>		_		N/A	
					Expiration	II Date		18/74	
4.	Identifica	tion of System	Control Rod D	rive					
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	le Case	
	(b) A	nnlicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83. Sum.'83 Ad	ld.	
	` '	•							
6.	Identifica	tion of Compone	ents Repaired of	r Replaced a	and Replacement Co	mponent	S:		
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME	
	Component	Manufacturer .	s Serial No.	Board No.	•	Built	Replaced, or Replacement	Code Stamped (Yes or No)	
	ORV-44-2239 (CRD 22-39)	General Electric	71-615	- N/A	NC02 CLASS I	1967	Replaced	YES	
<u> </u>	CRD 22-39)	- Electric	<u> </u>			<u> </u>			
						i			
-			<u> </u>						
_	• ,•	CXX 1 D - 1-	- Control Dod 1		chuilt anono on nont o	£mrarran	tivo maintonon	20	
D <u>R</u>	escription c eplaced CR	r work: <u>Replac</u> D and flange ca	oscrews per AS	ME Work P	ebuilt spare as part o lan in Work Order 9	8-01362	-00 at core loca	tion 22-39.	
	•						×		
8.	Tests Cor	nducted:	_					5-3	
		Hydrostatic _	Pneum	atic	Nominal Operating l	Pressure	Other	×	
		Pressure 1056	psig Test Te	emp. <u>236°</u> F	Test Proce	dure: <u>N1</u>	-IST-LK-101	-	
	OTE:	Supplemental	sheets in form o	of lists, sketo	ches, or drawings mo	ty be use	d, provided (1)	size is 8 x	
5		in. x 11 in., (2) each sheet is n) information in numbered and th	items 1 thro he number o	ough 6 on this repor f sheets is recorded	t is inclu at the to	ded on each sh o of this form.	eet, and (3)	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-615 replaced by Serial No. 71-658. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code MI. VT-1 for PSI per Nde Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE									
We certify that the statements made in rules of the ASME Code, Section XI.	We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. Repair or Replacement								
Type Code Symbol Stamp	NONE								
Certificate of Authorization No.	NONE	Expiration Date NONE							
Signed: Owner's or Owner	Maint, Manager	Date 7.27,1999							
Owner s or Owner	s Designee, Title	4							
	••	•							
CERTIFI	CERTIFICATE OF INSERVICE INSPECTION								
Inspectors and the State or Province Massachusetts have inspected the come to 7/29/94, and state that to the bes	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period 7/20/99 to 7/29/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.								
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.									
Lynn B circles Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements									
Date 7/29, 19 99									

	Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>07/08/99</u>	-
•	o who.	Name	vcoming, NY		Sheet <u>1</u> of <u>1</u>			
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY			Mechanical 1		WO # 98-0211	6-00
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	Туре	Code Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	<u>093</u> Auth	orization No	•	N/A
			Youtes	•	Expi	ation Date _		<u>N/A</u>
4.	Identificat	ion of System	Control Rod D	rive		1		
5.	(a) A ₁	oplicable Constr	nction Code. A	SME VIII	1965 Edition, N	I/A Addend	a. 1270-N Cod	le Case
J.								
	(b) A ₁	pplicable Edition	n of Section XI	Utilized for	Repairs or Rep	lacements 19	9 <u>83, Sum, 83 Ac</u>	<u>Id.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacemen	t Componen	ts:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identificat	ion Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1	RV-44-2607	General Electric	71-650	- N/A	NC02 CLASS	1 1967	Replaced	YES
"	CRD 26-07)	Elecuic	•		•			
	-					,		
							,	
				ļ		.	<u></u>	
De Re	escription o eplaced CR	f Work: <u>Replac</u> D and flange cap	e Control Rod I	Orive with r ME Work P	ebuilt spare as p lan in Work Or	art of prever der 98-02116	ntive maintenand 5-00 at core loca	ce. tion 26-07,
8.	Tests Con	- ducted: Hydrostatic	Pneuma	atic 🔲	Nominal Operat	ing Pressure	Other [\boxtimes
		Pressure 1056	<u>psig</u> Test Te	mp. <u>236°</u> I	Test P	rocedure: <u>N1</u>	-IST-LK-101	
	OTE:	in. x 11 in., (2)	information in	items I thr	ches, or drawing ough 6 on this r	eport is inclu	ided on each sh	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-650 replaced by Serial No. 71-625, VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code MI, VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

Cr	ERTIFICATE OF COMPL	ANCE						
We certify that the statements made in			conforms to the					
rules of the ASME Code, Section XI.	······································	Repair or Replacement						
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	Expiration Date NON	<u> </u>					
Signed:S J	Maint. Manager r's Designee, Title	Date	,19 <u>99</u>					
<u></u>								
CERTIF	ICATE OF INSERVICE II	NSPECTION						
Inspectors and the State or Province Massachusetts have inspected the corto 7/24/44, and state that to the beautiful or the state of th	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period 7/25/95 to 7/29/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Tynn 19 Cincless Commissions NB 3496 NY 2512 Inspector's Signature National Board, State, Province, and Endorsements								
Date 7/29, 1999	•							

Owner Niagara Mohawk Power Corporation Nome P.O. Box 63. Lycoming, NY 13093 2. Plant Nine Mile Point Lycoming, NY 13093 3. Work Performed by Niagara Mohawk Power Corp. Nune PO Box 63. Lycoming, NY 13093 Address 3. Work Performed by Niagara Mohawk Power Corp. Nune PO Box 63. Lycoming, NY 13093 Address Expiration Date N/A 4. Identification of System Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum, 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: 9 Name of Manufacturer Serial No. Board No. DRV-44-2635 General A5512 N/A NC02 CLASS 1 1982 Replaced, or Replacement (CRD 26-35) Electric A5512 N/A NC02 CLASS 1 1982 Replaced YES Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance, Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35, 8. Tests Conducted:										
2. Plant Nine Mile Point Lycomins, Nry 13093 Mechanical Maintenance W0 # 98-02121-00 Repair Organization P.O. No., Job No., deb. No. 100 Repair Organization P.O. No., Job No., deb. No. 100 Repair Organization P.O. No., Job No., deb. No. 100 No. 100 No. 100 No. 100 No. 100		Owner	Niagara Mohawk Power Corporation			Date <u>08/25/99</u>				
2. Plant Nine Mile Point Lycoming, NY 13093 Address Mechanical Maintenance WO # 98-02121-00 Repair Organization P.O. No. Job No. etc. 3. Work Performed by Niagara Mohawk Power Corp. None PO Box 03, Lycoming, NY 13093 Address Type Code Symbol Stamp N/A Address Expiration Date N/A 4. Identification of System Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum, 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: Pomme of Manufacturer S Serial No. Board No. DRV-44-2635 General A5512 N/A NC02 CLASS 1 1982 Replaced, or Replaced (Yes or No) DRV-44-2635 General A5512 N/A NC02 CLASS 1 1982 Replaced YES (CRD 26-35) Electric A5512 N/A NC02 CLASS 1 1982 Replaced YES Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance, Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:						Sheet <u>1</u> of <u>1</u>				_
Lycoming, NY 13093 Address 3. Work Performed by Niagara Mohawk Power Corp. Nume PO Box 63. Lycoming, NY 13093 Address Expiration Date N/A 4. Identification of System Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2. Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum, 83' Add, 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Manufacturer Serial No. DRV-44-2635 General A5512 N/A NC02 CLASS 1 1982 Replaced, or Replaced (Yes or No) DRV-44-2635 General CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:			Addre							
3. Work Performed by Niagara Mohawk Power Corp. Nume PO Box 63, Lycoming, NY 13093 Address Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S'73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Component Manufacturer' s Serial No. DRV-44-2635 General (CRD 26-35) Electric Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance, Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35, 8. Tests Conducted:	2.							Un	it <u> </u>	
3. Work Performed by Niagara Mohawk Power Corp. Name PO Box 63. Lycoming, NY 13093 Address Repiration Date N/A 4. Identification of System Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Manufacturer National Board No. Serial No.						Mecha				<u>21-00</u>
PO Box 63 Lycoming, NY 13093 Authorization No. N/A Expiration Date N/A 4. Identification of System Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Component Name of Manufacturer' s Serial No. Board No. Other Identification Pear Replaced, or Replaced, or Replacement (Yes or No) DRV-44-2635 General A5512 N/A NC02 CLASS 1 1982 Replaced YES (CRD 26-35) Electric A5512 N/A NC02 CLASS 1 1982 Replaced Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance, Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:							·			
Expiration Date N/A 4. Identification of System Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum, 83' Add, 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Component Name of Manufacturer National Serial No. Seri	3.	Work Perf	ormed by Nia	gara Mohawk F	Power Corp.	<u>. </u>	Type Coo	de Symbo	ol Stamp	N/A
4. Identification of System Control Rod Drive 5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Manufacturer			, <u>PO</u>		ning, NY 13	093	Authoriza	ation No.		N/A
5. (a) Applicable Construction Code ASME III 1971 Edition, S '73 Addenda, 1361-2 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum, 83' Add, 6. Identification of Components Repaired or Replaced and Replacement Components: Name of							Expiratio	n Date _		N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Component	4.	Identificat	ion of System	Control Rod Da	rive					
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. 83' Add. 6. Identification of Components Repaired or Replaced and Replacement Components: Name of Component	_	(1)			O) 07 777 1/	001 7 11.1	0.150		1041 0 0 1	
Name of Components Repaired or Replaced and Replacement Components: Name of Component Name of Manufacturer serial No. Name of Component Name of Manufacturer serial No. Name of Component Name of Manufacturer serial No. Name of Manufacturer serial No. National Board No. Other Identification Year Replaced, or Replaced, or Replaced, or Replaced or Replacement Name of Manufacturer serial No. National Board No. NC02 CLASS 1 1982 Replaced YES Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35.	٥.	(a) Ap	plicable Constr	uction Code <u>A</u>	SME III I	9 <u>71</u> Editio	on, <u>8 '73</u> 1	Addenda,	, <u>1361-2</u> Code	Case
Name of Component Name of Manufacturer serial No. Serial No. Day 1 No. Day 1 No. Day 2		(b) Ap	plicable Edition	n of Section XI	Utilized for	Repairs	or Replace	ments 19	83, Sum. 83' A	<u>dd.</u>
Name of Component Name of Manufacturer serial No. Serial No. Day 1 No. Day 1 No. Day 2	6.	Identificat	ion of Compone	ents Repaired or	r Renlaced a	and Repla	cement Co	mnonent	·s'	
Component Manufacturer s Serial No. Board No. Built Replaced, or Replacement (Yes or No) DRV-44-2635 General Electric Electric Flectric F	_									-
DRV-44-2635 General A5512 - N/A NC02 CLASS 1 1982 Replaced YES (CRD 26-35) Electric Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance, Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35.						Other Ide	entification			
DRV-44-2635 General A5512 - N/A NC02 CLASS 1 1982 Replaced YES (CRD 26-35) Electric Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35.		omponent	Manuracturer	s Seriai No	Boata No.			Built		1
Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance, Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:	פת	W-44-2635	General	A5512	- NI/A	NICO2 (CT ASS 1	1002	Danlaged	
Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:	i		1	A3312	, IV/A		CLASS I	1902	Replaced	123
Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:		•	•				<u>- </u>			
Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:			• ,			;				
Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:								 		
Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:							•			
Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02121-00 at core location 26-35. 8. Tests Conducted:						•				•
8. Tests Conducted:		-						_		
		,				,	, <u>0.44.</u> ,	<u> </u>		
	8	Tests Cond	- lucted:							
Hydrostatic Pneumatic Nominal Operating Pressure Other	0.	10313 0011	Hydrostatic	Pneuma	itic 🔲 📑	Nominal (Operating I	Pressure	Other [\boxtimes
			D 1056	- 			.		70m 7 77 101	
Pressure 1056 psig Test Temp. 236 ° F Test Procedure: N1-IST-LK-101	_		Pressure 1056	psig Test Te	mp. <u>236°</u> F		i est Proced	aure: <u>N1-</u>	151-LK-101	
OTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x	10	TF.	Cumplemental	alaada in Cama a	fliata aleata	1		La	d munuidad (1)	aina ia 0 w
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.		IL.					_	•	•	

9. Remarks: This replacement was not the result of an inservice failure. Crd exchanged as part of preventive maintenance. Serial No.-A5512 replaced by Serial No. 71-572. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in the report are correct and this Replacement conforms rules of the ASME Code, Section XI.								
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	Expiration Date NONE						
Signed: Owner's or Owner	Maintenance Manage's Designee, Title	ger Date $\checkmark \cdot 24$,	19 <u>1</u> ৭					
	•-							
CERTIFI	CATE OF INSERVI	CE INSPECTION						
Inspectors and the State or Province Massachusetts have inspected the com to \$\frac{9}{30}/90\end{a}, and state that to the best	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 10/12/98 to 9/30/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code. Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature	Commissions <u>XB</u>	8496 NY 2812 National Board, State, Province, and Endorsements	 3					
Date $\frac{8/30}{}$, 1999	Date <u>\$ 30</u> , 19 <u>99</u>							

	3									
* 12***		Owner	Niagara Mohay		Date <u>08/25/99</u>					
				vcoming, NY	13093		Sheet <u>1</u> of <u>1</u>			
	_	 4	•					**	· .	
	2.	Plant	Nine Mile Poir	•				Uni		
			Lycoming, NY			Mech			WO # 98-0212 on P.O. No., Job No., etc.	<u>:0-00</u>
	2	Worls Dord	Samuel her Nie	gara Mohawk F	Com		Tuna Cod	la Cumba	d Stamp	N/A
	3.	Work Perf	,	Name	<u>-</u>		•	•	ol Stamp	
			. <u>PO</u>	Box 63, Lycom Address	<u>iing, NY 13</u>	<u>093</u>				
							Expiration	n Date _	-	N/A
	4.	Identificat	ion of System	Control Rod D	rive					
	5.	(a) Ap	plicable Constr	uction Code A	SME III 1	971 Editi	ion, S '73 A	Addenda.	1361-2 Code	Case
	٥.		•							
		(b) A _I	plicable Edition	n of Section XI	Utilized for	Repairs	or Replacer	ments 19	83, Sum.'83 Ad	<u>ld.</u>
	6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Repl	acement Co	mponent	s:	
-		Name of	Name of	Manufacturer'	National	Other Id	dentification	Year	Repaired,	ASME
		Component	Manufacturer	s Serial No	Board No.	-		Built	Replaced, or Replacement	^ Code Stamped
										(Yes or No)
		RV-44-2619	General	A5160	- N/A	NC02	CLASS 1	1982	Replaced	YES
	,	CRD 26-19	Electric							
							ų			
							· ·			
				<u> </u>	!	l		!	<u> </u>	<u> </u>
	De	scription of	Work: Replac	e Control Rod I	Drive with r	ebuilt sp	are as part o	f preven	tive maintenand	<u>:e.</u> tion 26 10
	<u>Ke</u>	placed CRI	O and flange cap	oscrews per AS.	IVIE WORK P	<u>ran in w</u>	ork Order 9	0-02120	-00 at core loca	HOH 20-19.
	_									
	8.	Tests Con	ducted: Hydrostatic	7 Pneuma	atic 🗀	Nominal	Operating I	Precuire	Other [$\overline{\lambda}$
			Tryulostatic [_	_ riicuiii		i wiiiiai	Operating I	1033410		لاے
			Pressure 1056	psig Test Te	mp. <u>236°</u> F	7	Test Procee	dure: <u>N1</u> -	<u>-IST-LK-101</u>	
	V	OTE:	Supplemental .	sheets in form o	of lists, sketc	hes, or a	drawings ma	y be use	d, provided (1)	size is 8 x
			in. x 11 in., (2)	information in	items 1 thr	ough 6 o	n this report	t is inclu	ded on each she	
			eacn sneet is n	numbered and th	1e number o	y sneets i	is recoraea i	ui ine 10]) oj inis jorm. –	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevention maintenance. Serial No. A5160 replaced by Serial No. 9295. VT-2 per NDE Report No. 1-2.04-99-0266.

Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.							
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	Expiration Date NONE						
Signed: Owner's or Owner	er's Designee, Title	Maintenance Manager Date <u> </u>						
		•-						
CERTIF	ICATE OF I	NSERVICE INSPECTION						
Inspectors and the State or Province Massachusetts have inspected the corto 7/36/99, and state that to the be	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 7/28/99 to 8/26/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Lyna D andersam Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements								
Date <u>8/30</u> , 19 <u>99</u>								

-									
	Owner	Name	ycoming, NY			Da [*] She	te <u>07/08/99</u> eet <u>1</u> of <u>1</u>		
2	Plant	Nine Mile Poir Name Lycoming, NY Addre	13093	Mechanical Mair			<u> </u>		
3	. Work Per	-	gara Mohawk F Name Box 63, Lycon	, .	•	ol Stamp	· · · · · ·		
			Address		Expiratio	n Date _		N/A	
5	 Identification of System Control Rod Drive (a) Applicable Construction Code ASME VIII 1965 Edition, N/A Addenda, 1270-N Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum.'83 Add. Identification of Components Repaired or Replaced and Replacement Components: 								
D	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
- 1	ORV-44-2611 (CRD 26-11)	General 71-417 - N/A N Electric			NC02 CLASS I	1967	Replaced	YES	
		,		•					
<u>R</u>	Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-00755-00 at core location 26-11. 8. Tests Conducted:								
v		Hydrostatic Pressure 1056	Pneuma	mp. <u>236 °</u> F	Nominal Operating 1 Test Proce		Other [- <u>IST-LK-101</u>	싀	
O	IOTE:	Supplemental . in. x 11 in., (2)	sheets in form o	f lists, sketo items 1 thro	thes, or drawings mo ough 6 on this repor	ty be use t is inclu	d, provided (1) ded on each she		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevention maintenance. Serial No. 71-417 replaced by Serial No. 71-556. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE		
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and thi	Replacement conforms to the
Type Code Symbol Stamp	NONE	
Certificate of Authorization No.	NONE	Expiration Date <u>NONE</u>
Signed: Signed:	Maint. Manager	Date 7.27, 1999
Owner's Designee, True		
	•	
CERTIFICATE OF INSERVICE INSPECTION		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 1/28/149, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.		
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.		
Tym Dandusm Commissions Nt 3496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements		
Date 7/29, 1999		

						- 11 - 11			
Owner	Niagara Mohay	wk Power Corp	<u>oration</u>		Dat	te <u>06/29/99</u>			
		ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	-		
2. Plant	Nine Mile Poir			•	Un	it <u>1</u>			
	Lycoming, NY			Mechanical Main		WO # 98-0212 on P.O. No., Job No., etc.	<u>24-00</u>		
3. Work Per	formed by Nia	gara Mohawk F	ower Corp	Type Cod	le Symbo	ol Stamp	N/A		
	· PO	Box 63, Lycom	ning, NY 13	093 Authoriza	tion No.		N/A		
		Youres		Expiration	n Date _		<u>N/A</u>		
5. (a) A	5. (a) Applicable Construction Code ASME VIII 1965 Edition, N/A Addenda, 1270-N Code Case								
6. Identifica	tion of Compone	ents Repaired or	r Replaced	and Replacement Co	mponent	s:			
Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
DRV-44-3035 (CRD 30-35)	General Electric	71-464	- N/A	NC02 CLASS I	1967	Replaced	YES		
	•								
						'			
Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02124-00 at core location 30-35. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other									
_	Pressure 1056	psig Test Te	mp. <u>236°</u> I	Test Procee	dure: <u>N1</u>	<u>-IST-LK-101</u>			
OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings ma ough 6 on this report of sheets is recorded	t is inclu	ded on each sh			

 Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventamaintenance. Serial No. 71-464 replaced by Serial No. 6874. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	ERTIFICATE OF COMPL	IANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and th	is <u>Replacement</u> conforms to the
Type Code Symbol Stamp	NONE	A
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed: Signed: Owner's or Owner	Maint. Manager	Date 7.27,1999
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 7/24/44, and state that to the best and taken corrective measures describ ASME Code, Section XI. By signing this certificate neither the concerning the examinations and corre	of New York and employed and believed in this Owner's Report in this employer in the liable in any manner for the second of t	ional Board of Boiler and Pressure Vessel by Arkwright Mutual Ins. Co. of Owner's Report during the period 7/23/98 ief, the Owner has performed examinations in accordance with the requirements of the makes any warranty, expressed or implied, this Owner's Report. Furthermore, neither any personal injury or property damage or
Lynn 19 andusm (Inspector's Signature) Date 7/29, 1999	Commissions <u>NB 84 9</u> Nation	al Board, State, Province, and Endorsements

-									
	Owner	Niagara Mohav	yk Power Corp	oration		Da	te <u>06/29/99</u>		
		Name				She	eet <u>1</u> of <u>1</u>	_	
		Addre							
2.	Plant	Nine Mile Poir			ı	Un	it <u>1</u>		
		Lycoming, NY	13093	 	Mechanical M		WO # 98-0212	<u> 22-00</u>	
2	337 - ala Dana) C	True of	. •		NT/A	
3.	Work Per	· —	gara Mohawk F		· ·	•	ol Stamp		
		. <u>PO</u>	Box 63, Lycom Address	<u>iing, iv v 13</u>		_	·	N/A	
					Ехріга	tion Date _	·	N/A	
4.	Identificat	tion of System	Control Rod D	rive			it.		
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/</u>	A Addend	a, <u>1270-N</u> Cod	le Case	
	(b) A	onlicable Edition	n of Section XI	Utilized for	Repairs or Repla	acements 19	983 Sum.'83 Ad	d.	
_		•			•				
6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Replacement	Component	is:		
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	on Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
	RV-44-3031	General	71-627	• N/A	NC02 CLASS 1	1967	Replaced	YES	
_(CRD 30-31)	Electric	•						
			,						
-									
			 						
De Re	Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02122-00 at core location 30-31.								
8	Tests Cor	ducted:							
٥.	1 0010 001	Hydrostatic [Pneuma	atic 🔲	Nominal Operation	ng Pressure	Other [\boxtimes	
		Pressure 1056	psig Test Te	emp. <u>236°</u> F	Test Pro	ocedure: <u>N1</u>	-IST-LK-101		
	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings ough 6 on this re of sheets is recora	port is inclu	ded on each sh		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-627 replaced by Serial No. A8014, VT-2 per NDE Report No. 1-2.04-99-0266, Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct	t and this	Replacement Repair or Replacement	_ conforms to the				
Type Code Symbol Stamp	NONE		· · · · · · · · · · · · · · · · · · ·					
Certificate of Authorization No.	NONE	Exp	oiration Date <u>NON</u>	E				
Signed: Owner for Owner	Maint.	Manager	Date),19 <u>99</u>				
· · · · · · · · · · · · · · · · · · ·								
CERTIF	ICATE OF INSERV	VICE INSPI	ECTION	,				
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 7/24/49, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of <u>New York</u> and apponents described in st of my knowledge a	employed in this Owner and belief, the	by <u>Arkwright Mu</u> 's Report during the the Owner has perforn	tual Ins. Co. of period 7/29/48 ned examinations				
concerning the examinations and corre the Inspector nor his employer shall b	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Inspector's Signature	Commissions <u>ル</u> B	8496 N National Boa	ソスタ12 rd, State, Province, and En	dorsements				
Date 7/29, 19 <u>99</u>	,			· · ·				

	_								
	D	Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>06/18/99</u>	
	•	OWNER	Name					eet <u>1</u> of <u>1</u>	
			Addre				5 .		•
	2.	Plant	Nine Mile Poir				Un	it <u> </u>	
			Lycoming, NY	13093		<u>Mechanical</u>		WO # 98-0212 on P.O. No., Job No., etc.	<u>27-00</u>
	2	337 l- D)	Tam			N T/A
	3.	Work Per	<u>, </u>	gara Mohawk F				ol Stamp	
			· <u>PU</u>	Box 63, Lycom Address	<u>iing, 194-13</u>		_		N/A N/A
						Expi	ration Date _		IN/A
	4.	Identificat	ion of System	Control Rod D	rive				
	5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, 1	V/A Addend	a, <u>1270-N</u> Cod	le Case
		(b) A ₁	pplicable Edition	n of Section XI	Utilized for	Repairs or Rep	olacements 19	83, Sum. '83 A	dd.
	6	Identificat	tion of Compone	ents Renaired o	r Replaced a	and Replacemen	nt Component	te.	
	·.				- Tropiacoa a			T	
	D,	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identifica	tion Year Built	Repaired, Replaced, or	ASME Code
								Replacement	Stamped (Yes or No)
		RV-44-3415	General	71-449	- N/A	NC02 CLASS	1 1967	Replaced	YES
	((CRD 34-15)	Electric	h					
			•					1	
							-		
									Ì
•	Da	acrintian a	f Work: Replac	o Control Pod I	Deissa ssith e	obuilt spara as s	nort of preven	tiva maintanan	20
			D and flange cap						
		•	-		-			,	v
	8.	Tests Con	· · · · · · · · · · · · · · · · · · ·	٦ ـ ـ	. 🖳 .				abla
			Hydrostatic _	_ Pneuma	itic []	Nominal Opera	ung Pressure	Other [\triangle
			Pressure 1056	psig Test Te	mp. <u>236°</u> F	Test P	rocedure: N1	<u>-IST-LK-101</u>	
		OTE:						d, provided (1)	
		7		information in numbered and th				ded on each sho p of this form.	et, and (3)
						,		J J	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventamintenance. Serial No. 71-449 replaced by Serial No. 71-497. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

		· · · · · · · · · · · · · · · · · · ·
CEI	RTIFICATE OF COMPLL	ANCE
We certify that the statements made in t rules of the ASME Code, Section XI.	the report are correct and this	Replacement conforms to the
Type Code Symbol Stamp _	NONE	
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed:	Maint, Manager	Date <u>γ· ι</u> γ,19 <u>99</u>
Owner's or Owner's	s Designee, Title	
	•	•
CERTIFIC	CATE OF INSERVICE IN	SPECTION
Inspectors and the State or Province of Massachusetts have inspected the comp to 7/24/44, and state that to the best and taken corrective measures described ASME Code, Section XI. By signing this certificate neither the Inconcerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connected.	of New York and employ ponents described in this Owner's Report in this Owner's Report in this Owner's Report in the liable in any manner for an ed with this inspection.	and Board of Boiler and Pressure Vessel and by Arkwright Mutual Ins. Co. of other's Report during the period 7/28/98 of, the Owner has performed examinations accordance with the requirements of the makes any warranty, expressed or implied, his Owner's Report. Furthermore, neither my personal injury or property damage or Board, State, Province, and Endorsements

	Owner	Niagara Moha	wk Power Corp	<u>oration</u>		Da	te <u>06/29/99</u>	
		Name		_		She	eet <u>1</u> of <u>1</u>	
		Addr	235					-
2	Plant	Nine Mile Poi				Un	it <u>1</u>	
		Lycoming, NY	7_13093		Mechanical Mair			<u>25-00</u>
		Addr	:: 33		Rej	oair Organizati	on P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	igara Mohawk F Name	Power Corp.	Type Cod	le Symbo	ol Stamp	<u> </u>
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	ation No.		N/A
					Expiratio	n Date _		N/A
4	. Identifica	tion of System	Control Rod D	rive				
_	(a) A.	liashla Caust	tion Codo A	CAGE TIL 1	071 Talian (172		1261.2 Codo	Cara
5.	. (a) A ₁	ppiicable Consti	ruction Code <u>A</u>	SIVIE III I	9 <u>71</u> Edition, <u>S' 73</u>	Addenda,	, <u>1301-2</u> Code	Case
	(b) A	pplicable Editio	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
6.	Identifica	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	ts:	
		·	•	<u>-</u>	- T	- I	<u> </u>	1
J	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME Code
							Replacement	Stamped (Yes or No)
	DRV-44-3407	General	A3545	- N/A	NC02 CLASS I	1980	Replaced	YES
	(CRD 34-07)	Electric		,	•			
		,						
<u></u>								
			1					
<u>L</u>					· ·	ļ		<u> </u>
					ebuilt spare as part o			
<u>R</u>	eplaced CR	D and flange cap	oscrews per AS	ME Work P	lan in Work Order 9	<u>8-02125</u>	-00 at core loca	tion 34-07.
	•	-						
8	. Tests Con	iducted: Hydrostatic	Pneuma	uia 🗀 .	Nominal Operating 1	Draccura	Other [\triangleleft
		nyurostatic _	_ Flieuma	itic	Nominal Operating i	riessure	Other [
		Pressure 1056	<u>psig</u> Test Te	mp. <u>236°</u> F	Test Procee	dure: <u>N1</u>	<u>-IST-LK-101</u>	
	OTE:	Supplemental	sheets in form o	of lists, sketo	ches, or drawings ma	ry be use	d, provided (1)	size is 8 x
	ı	in. x II in., (2)) information in	items 1 thre	ough 6 on this repor	t is inclu	ded on each she	
	each sheet is numbered and the number of sheets is recorded at the top of this form.							

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. A3545 replaced by Serial No. 71-640, VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD, VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CEDWARD A ME OF COMMITTANCE							
CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.							
Type Code Symbol Stamp NONE							
Certificate of Authorization No. NONE Expiration Date NONE							
Signed: Maint. Manager Date 7.27, 1999 Owner's Designee, Title							
•=							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 7/25/95 to 7/29/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Jynn D Ordesn Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements							
Date 7/29, 1999							

				-				
O.	Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>06/18/99</u>	
			vcoming, NY	13093		She	eet <u>1</u> of <u>1</u>	•
2.	Plant	Nine Mile Poi				Un	it1	
		Lycoming, N	7 13093		Mechanical Main		WO # 98-0213 on P.O. No., Job No., etc.	<u>32-00</u>
3.	Work Peri	formed by Nia	igara Mohawk F	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A_
		•	Name Box 63, Lycon			ition No.		N/A
		-	Address		Expiration	n Date _		N/A_
4	Tdontificat	ion of Custom	Control Dad D	mirro.	-			
4.	identificat	ion of System	Control Rod D	nve				
5.	(a) A _I	oplicable Consti	ruction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a, <u>1270-N</u> Cod	le Case
	(b) A ₁	pplicable Editio	n of Section XI	Utilized for	r Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
6		ion of Compon	anta Donainad a	n Domlonod e	and Ronlocoment Co	mnanani	· a ·	
6.	identificat		ents Repaired of	Replaced a	and Replacement Co	mponem	.5.	
	Name of Component	Name of Manufacturer	Manufacturer's Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	RV-44-4223 CRD 42-23)	General Electric	71-592	- N/A	NC02 CLASS 1	1967	Replaced	YES
	,							
Re		D and flange card	pscrews per AS	ME Work P	l ebuilt spare as part o Plan in Work Order 9	<u>8-02132</u>	-00 at core loca	tion 42-23.
		Hydrostatic _	Pneuma	atic	Nominal Operating I	Pressure	Other	X
_		Pressure 1056	<u>ó psig</u> Test Te	emp. <u>236°</u> F	Test Procee	dure: <u>N1</u>	<u>-IST-LK-101</u>	
N.	OTE:	in. x 11 in., (2)) information in	items 1 thr	ches, or drawings ma ough 6 on this report of sheets is recorded	t is inclu	ded on each sh	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance, Serial No. 71-592 replaced by Serial No. 71-661. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

£						
CE	CRTIFICATE OF COMPL	IANCE				
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and thi	Replacement conforms to the				
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	Expiration Date NONE				
Signed:	Maint. Manager	Date 7. 27, 1999				
Owner's or Owner	r's Designee, Title					
<u> </u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
CERTIF	ICATE OF INSERVICE II	NSPECTION .				
Inspectors and the State or Province Massachusetts have inspected the conto 7/24/44, and state that to the best	of <u>New York</u> and emplo nponents described in this O st of my knowledge and beli	ional Board of Boiler and Pressure Vessel yed by <u>Arkwright Mutual Ins. Co.</u> of wner's Report during the period 7/29/98 ef, the Owner has performed examinations a accordance with the requirements of the				
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
Lynn & Ordersm (Inspector's Signature	Commissions <u>NB8416</u> Nationa	NY 2812 al Board, State, Province, and Endorsements				
Date 7/29, 1999		•				

-		Owner	Niagara Moha	wk Power Corp	oration		Dat	e <u>06/18/99</u>	
			Namo					et <u>1</u> of <u>1</u>	
			Addre					···· ··· ··· ··· ··· ··· ··· ··· ··· ·	•
	2.	Plant	Nine Mile Poin				Un	it <u>1</u>	
		•	Lycoming, NY	13093		Mechanical Main		WO # 98-0213 nn P.O. No., Job No., etc.	1-00
				•	_	-	_		27/1
	3.	Work Per	•	gara Mohawk F			•	ol Stamp	N/A
			. <u>PO</u>	Box 63, Lycom Address	ing, NY 13		_		N/A
						Expiration	n Date	t t	N/A
	4.	Identificat	tion of System	Control Rod D	rive				
	5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	le Case
			•						
		(b) A	ppiicable Editio	n of Section Al	Utilized for	Repairs or Replacer	nents 19	<u>03, 3uiii, 03 A</u>	<u>1u,</u>
	6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
		Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
		Component	Manufacturer	s Serial No	Board No.	• ,	Built	Replaced, or Replacement	· Code Stamped
				51.550	37/1	77000 OT 4 GG 1	1067	-	(Yes or No) YES
		RV-44-3447 CRD 34-47)	General Electric	71-578	- N/A	NC02 CLASS I	1967	Replaced	163
ł		•	-						
					ł				
İ									
				ļ					
	De	scription o	f Work: Replac	e Control Rod I	Orive with r	ebuilt spare as part o	f preven	tive maintenand	e.
	Re	placed CR	D and flange car	oscrews per AS	ME Work P	lan in Work Order 9	8-02131	-00 at core loca	tion 34-47.
		*	_						
	8.	Tests Cor	_	7 5	. 🗂	N		ا مداده	abla
			Hydrostatic _	Pneuma	atic	Nominal Operating I	ressure	Other	
			Pressure 1056	<u>spsig</u> Test Te	mp. <u>236°</u> F	Test Proceed	lure: <u>N1</u>	IST-LK-101	
	NO	OTE:	Supplemental	sheets in form c	of lists, sketo	hes, or drawings ma	ry be use	d, provided (1)	size is 8 x
			in. x 11 in., (2)) information in	items I thre	ough 6 on this report	t is inclu	ded on each she	
	each sheet is numbered and the number of sheets is recorded at the top of this form.								

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-578 replaced by Serial No. 71-551. VT-2 per NDE Report No. 1-2,04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2,04-99-0020.

CERTIFICATE OF COMPLIANCE									
We certify that the statements made in rules of the ASME Code, Section XI.	the report are corre		Replacement Lepsir or Replacement	conforms to the					
Type Code Symbol Stamp	NONE								
Certificate of Authorization No.	NONE	Expi	ration Date <u>NO</u> 1	VE					
Signed: Owner's or Owner	Maint. 's Designee, Title	Manager	Date フ・ユ	7 <u>,</u> 19 <u>49</u>					
	•			,					
CERTIF	CERTIFICATE OF INSERVICE INSPECTION								
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 7/29/99, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of <u>New York</u> and apponents described. St of my knowledge	d employed by in this Owner's and belief, the	Arkwright My Report during the Owner has perfore	utual Ins. Co. of period 7/29/93 med examinations					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.									
Lynn & anderson (Inspector's Signature	Commissions <u>N B</u>	8496 National Board	7 2812, State, Province, and E	ndorsements					
Date 7/29, 19 <u>99</u>									

-								
	Owner	Niagara Moha	wk Power Corp	oration		Dat	te <u>06/18/99</u>	-
,	•	Name		· · · · · ·	•		eet <u>1</u> of <u>1</u>	_
		Addre						
2.	Plant	Nine Mile Poir				Un	it " <u>'1</u>	11
		Lycoming, NY			Mechanical Mai		WO # 98-0213 on P.O. No., Job No., etc.	<u>80-00</u>
3.	Work Per	formed by Nis	gara Mohawk F	Power Corn	Type Co.	de Symbo	ol Stamp	N/A
٥.	WORKTON	-	Name Box 63, Lycom			•	or Stamp	
		· <u></u>	Address			_		N/A
				•	Znpnunc	Duit		
4.	Identificat	ion of System	Control Rod D	rive				
5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	le Case
	(b) A ₁	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	omponent	:s:	
D.			, , , , , , , , , , , , , , , , , , ,	1	r	1	1	1
~~	Name of component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME . Code
			,				Replacement	Stamped (Yes or No)
	V-44-3443	General	71-573	- N/A	NC02 CLASS 1	1967	Replaced	YES
(C	RD 34-43)	Electric	•					
<u> </u>								
D		SWarley Damlag	o Control Dad I	Daire svieh a	shuilt anors as nort	of provon	tiva maintanan	20
Re	placed CR	D and flange cap	oscrews per AS	ME Work P	ebuilt spare as part lan in Work Order	98 - 02130	-00 at core loca	tion 34-43.
	•	-						
8.	Tests Con	_	1 _	. —		_	· ·	abla
		Hydrostatic _	Pneuma	atic	Nominal Operating	Pressure	Other	A
		Pressure 1056	psig Test Te	mp. <u>236°</u> I	Test Proce	dure: N1	<u>-IST-LK-101</u>	
Dyo	TE:				ches, or drawings m			
					ough 6 on this repor of sheets is recorded			eet, and (3)
-		tauri britti ib ri	amoutua uma m	io mannoti d	, minorio io i comi aca	~U/	o oj mno joi mi	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-573 replaced by Serial No. A9306, VT-2 per NDE Report No. 1-2.04-99-0266, Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	ERTIFICATE	OF COMPL	IANCE.				
We certify that the statements made in rules of the ASME Code, Section XI.							
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE		Expiration Date <u>NONE</u>				
Signed: Owner's or Owner	Mr's Designee, Title	aint. Manager	Date 7.27,19 <u>99</u>				
	•.						
CERTIFICATE OF INSERVICE INSPECTION							
Inspectors and the State or Province Massachusetts have inspected the conto 7/24/44, and state that to the best	of <u>New Yorl</u> nponents descr st of my know	and emplogible and in this Office and believed and believed and believed.	ional Board of Boiler and Pressure Vessel yed by Arkwright Mutual Ins. Co. of wner's Report during the period 7/28/98 ef, the Owner has performed examinations accordance with the requirements of the				
concerning the examinations and corre	ctive measures e liable in any	described in to manner for a	nakes any warranty, expressed or implied, this Owner's Report. Furthermore, neither any personal injury or property damage or				
Lynn D Andlessn (Inspector's Signature	Commissions	National	Ny 2812 al Board, State, Province, and Endorsements				
Date 7/29, 1999							

. T	Owner	Niagara Mohay	wk Power Corp	<u>oration</u>		Da	te <u>06/18/99</u>	
	•	P.O. Box 63, Lycoming, NY 13093			Sheet <u>1</u> of <u>1</u>			
		Addre	35					
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY			Mechanical Mair		WO # 98-0136 on P.O. No., Job No., etc.	<u>53-00</u>
3.	Work Per	formed by <u>Nia</u>	gara Mohawk F	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A_
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	tion No.	·	N/A
			Address		Expiration	n Date _		N/A
4.	Identificat	ion of System	Control Rod D	rive				
-ī.		-						
5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a, <u>1270-N</u> Cod	le Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
_				7 1 4	15 1			
6.	Identificat	ion of Compone	ents Repaired of	r Kepiaced a	and Replacement Co	mponent	S:	
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
(Component	Manufacturer	s Serial No	Board No.	«	Built	Replaced, or Replacement	Code Stamped
							-	(Yes or No)
1	RV-44-3439 CRD 34-39)	General Electric	71-630	N/A	NC02 CLASS I	1967	Replaced	YES
			<u> </u>					
					1			
-								
								i
			<u></u>	!	<u> </u>	!	<u>!</u>	J
					ebuilt spare as part o lan in Work Order 9			
Re	praced CK	J and mange cap	osciews per Asi	VIE WOIK F	Tall III WOLK Older 9	0-01303	-00 at core loca	HOH 34-39.
		-						
8.	Tests Con	ducted: Hydrostatic	Pneuma	atic 🗍	Nominal Operating I	Pressure	Other	\boxtimes
								·¥
		Pressure 1056	psig Test Te	mp. <u>236°</u> F	Test Proceed	dure: N1	<u>-IST-LK-101</u>	
	OTE:	Supplemental .	sheets in form o	of lists, sketo	ches, or drawings ma	y be use	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items I thro	ough 6 on this reported	t is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 71-630 replaced by Serial No. A3616. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this _	Replacement conforms to the						
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	Expiration Date <u>NONE</u>						
Signed:	Maint, Manager	Date 7. 27, 19 99						
Owner 9 or Owner	Ts Designee, Title							
	••							
CERTIF	CERTIFICATE OF INSERVICE INSPECTION .							
Inspectors and the State or Province Massachusetts have inspected the conto 7/29/99, and state that to the best and taken corrective measures describe ASME Code, Section XI. By signing this certificate neither the 1 concerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connect the Inspector's Signature	of New York and employed apponents described in this Owner of my knowledge and belief, and in this Owner's Report in a conspector nor his employer make tive measures described in this eliable in any manner for any ted with this inspection.	al Board of Boiler and Pressure Vessel by Arkwright Mutual Ins. Co. of her's Report during the period 7/29/48 the Owner has performed examinations accordance with the requirements of the kes any warranty, expressed or implied, so Owner's Report. Furthermore, neither personal injury or property damage or over the country of the country						
Date 7/29, 19 <u>99</u>								

		Owner	P.O. Box 63; L	Niagara Mohawk Power Corporation Name P.O. Box 63; Lycoming, NY 13093 Address			Da [*]	te <u>07/29/99</u> eet <u>1</u> of <u>1</u>	-
	2.	Plant	Nine Mile Poir Name Lycoming, NY Addre	nt 13093		Mechanical Mair			<u>29-00</u>
	3.	Work Peri	, <u>—</u>	gara Mohawk F Name Box 63, Lycom Address	· · · · · · · · · · · · · · · · · · ·	093 Authoriza	ation No.	ol Stamp	N/A
	5.	(a) A ₁	pplicable Edition	uction Code <u>A</u>	SME VIII Utilized for	19 <u>65</u> Edition, <u>N/A</u> Repairs or Replace	ments 19	83, Sum. '83 A	
		Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
		RV-44-3435 CRD 34-35)	General Electric	71-664	- N/A	NC02 CLASS 1	1967	Replaced	YES
			<u> </u>						
İ		t							
L			D and flange cap		ME Work P	ebuilt spare as part or lan in Work Order S	98-02129 98-02129	-00 at core loca	tion 34-35.
			Pressure 1056	psig Test Te	mp. <u>236°</u> F	Test Proce	dure: <u>N1</u>	-IST-LK-101	
)VC	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings mo ough 6 on this repor	t is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 71-664 replaced by Serial No. 7451, VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD, VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. Repair or Replacement							
Type Code Symbol Stamp NONE							
Certificate of Authorization No. NONE Expiration Date NONE							
Signed: Maintenance Manager Date 7.30 ,1999 Owner's or Owner's Designee, Title							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 7/2.8/18 to 8/2/14, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn 19 Centure Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements							
Date 8/2, 1999							

_								
	Owner	Niagara Mohay	wk Power Corp	oration		Da	te · <u>06/18/99</u>	
		P.O. Box 63, Lycoming, NY 13093 Address			4	Sheet <u>1</u> of <u>1</u>		
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY	13093		Mechanical Main		WO # 98-0212 on P.O. No., Job No., etc.	<u> 28-00</u>
3.	Work Per	formed by <u>Nia</u>	gara Mohawk F	ower Corp.		de Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriz	ation No.		N/A
			Address		Expiration	n Date _	· · · · · · · · · · · · · · · · · · ·	N/A
4.	Identificat	ion of System	Control Rod Da	rive				
5.		, and the second			19 <u>65</u> Edition, <u>N/A</u>	A ddand	2 1270-N Cod	ia Cosa
٥.					•			
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
6.	Identificat	ion of Compone	ents Repaired or	Replaced a	and Replacement Co	mponent	:s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1	RV-44-3419 CRD 34-19)	General Electric	71-678	- N/A	NC02 CLASS 1	1967	Replaced	YES
<u> </u>							1	
	 -					i		
De <u>Re</u>	Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02128-00 at core location 34-19.							
8.	8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other							
		Pressure 1056	psig Test Te	mp. <u>236 °</u> F	Test Proce	dure: <u>N1</u>	<u>-IST-LK-101</u>	•
Y	OTE:	Pressure 1056 psig Test Temp. 236° F Test Procedure: N1-IST-LK-101 Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x 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.						

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 71-678 replaced by Serial No. 71-582. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2,04-99-0020.

CE	RTIFICATE O	F COMPLL	ANCE				
We certify that the statements made in rules of the ASME Code, Section XI.	the report are co	orrect and this	Replacement Repair or Replacement	conforms to the			
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE		Expiration Date NONE	3			
Signed: Owner's or Owner	Main	t. Manager	Date	,19 <u>99</u>			
							
	.,						
CERTIF	ICATE OF INS	ERVICE IN	SPECTION				
Inspectors and the State or Province Massachusetts have inspected the conto 7/24/49, and state that to the bes	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 7/28/98 to 7/24/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the I concerning the examinations and corre the Inspector nor his employer shall be loss of any kind arising from or connec	ctive measures d e liable in any n	lescribed in the nanner for ar	his Owner's Report. Furth	nermore, neither			
Lynn Danlusn (Inspector's Signature	Commissions\delta		NY 2812_ Board, State, Province, and End	orsements			
Date 7/29, 1999							

		1							
Į.	Owner	Niagara Mohav	wk Power Corp	<u>oration</u>			Dat	e <u>06/18/99</u>	
		P.O. Box 63, Lycoming, NY 13093 Address					She	et <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir		.			Uni	t <u>1</u>	
		Lycoming, NY Addre	13093		Mech			WO # 98-0136 n P.O. No., Job No., etc.	<u> </u>
3.	Work Per	formed by Nia	gara Mohawk F	Power Corp.		Type Cod	le Symbo	l Stamp	N/A_
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	<u>093</u> '	Authoriza	ition No <u>.</u>		N/A_
			Address			Expiration	n Date _		N/A_
· 4.	Identificat	ion of System	Control Rod D	rive					
		-			071 P.1'4'	NT/A - A	111.	1261 1 0-1-	
5.	(a) Ap	oplicable Constr	uction Code <u>A</u>	SME III I	9 <u>71</u> Editi	on, <u>N/A</u> A	adenda,	1361-1 Code	Case
	(b) A ₁	pplicable Edition	n of Section XI	Utilized for	Repairs	or Replaces	ments 19	83, Sum. '83 A	<u>dd.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	nd Repla	acement Co	mponent	s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Id	lentification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	RV-44-4231	General	6416	- N/A	NC02	CLASS I	1974	Replaced	YES
	CRD 42-31)	Electric							
		•							
De <u>Re</u> 8.	scription o placed CRI Tests Con	f Work: Replac D and flange cap ducted: Hydrostatic Pressure 1056	Pneuma	ME Work P	<u>lan in W</u> Nominal	ork Order 9 Operating I	28-01360 Pressure	-00 at core loca	tion 42-31.
VO	OTE:	Supplemental in. x 11 in., (2)	sheets in form of information in	of lists, sketo items 1 thro	hes, or d ough 6 or	lrawings ma n this repor	ty be used t is includ	d, provided (1) ded on each sho	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 6416 replaced by Serial No. 71-646. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the							
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE Expiration Date NONE							
Signed: Maint. Manager Date								
CERTIF	ICATE OF INSERVICE INSPECTION .							
Inspectors and the State or Province Massachusetts have inspected the conto 7/24/44, and state that to the best	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period 7/20/98 to 7/24/44, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature	Commissions <u>NB 8496</u> NY 2812 National Board, State, Province, and Endorsements							
Date 7/29, 1999								

-		التناصيب فيستحونها						
	Owner	Niagara Mohay Name P.O. Box 63, I	Date <u>06/18/99</u> Sheet <u>1</u> of <u>1</u>					
2.	Plant	Nine Mile Point Unit 1 Name Lycoming, NY 13093 Mechanical Maintenance WO # 98-02133-00 Address Repair Organization P.O. No., Job No., etc.						3-00
3.	Work Peri	formed by <u>Nia</u>	gara Mohawk P	ower Corp.	Туре Сос	ie Symbo	ol Stamp	N/A_
		. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093 Authoriza	ation No <u>.</u>		N/A_
			Address		Expiratio	n Date _		N/A
4.	Identificat	ion of System	Control Rod Da	rive				
		•			1000 P.10	A 11. J	1070 N. C	I. O
5.	(a) Ap	oplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	ie Case
	(b) A ₁	oplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	•
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	RV-44-4227	General	71-453	- N/A	NC02 CLASS 1	1967	Replaced	YES
("	CRD 42-27)	Electric	•					
				s s				
Re	Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-02133-00 at core location 42-27.							
٥.	8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other							
		Pressure 1056	psig Test Te	mp. <u>236°</u> F	Test Proce	dure: <u>N1</u>	<u>-IST-LK-101</u>	
V	OTE:	in. x 11 in., (2)	Pressure 1056 psig Test Temp. 236 ° F Test Procedure: N1-IST-LK-101 NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x 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.					

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 71-453 replaced by Serial No. A5517. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	ERTIFICATE OF COMPLI	ANCE					
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and thi	s <u>Replacement</u> conforms to the					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed: Signed:	Maint. Manager	Date 7.27, 19 <u>99</u>					
Owner 201 Owner	. o Dosignoo, Milo						
	·						
CERTIFICATE OF INSERVICE INSPECTION .							
Inspectors and the State or Province Massachusetts have inspected the conto 7/29/99, and state that to the best	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>7/28/99</u> to <u>7/29/199</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
concerning the examinations and corre	ective measures described in to liable in any manner for a	nakes any warranty, expressed or implied, this Owner's Report. Furthermore, neither ny personal injury or property damage or					
Jynn D Chalcism Inspector's Signature	Commissions <u>NB 8496</u> Nationa	NY 2812 I Board, State, Province, and Endorsements					
Date 7/29, 1999							

!	Owner	Niagara Mohay	wk Power Corpo	oration		Da	te 06/18/99	
			ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir				Un	it1	
		Lycoming, NY Addre	13093	<u></u>	Mechanical N		WO # 98-0213 on P.O. No., Job No., etc.	<u> 44-00</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Туре	Code Symbo	ol Stamp	N/A_
		, <u>PO</u>	Box 63, Lycom	ing, NY 13	093 Autho	orization No.	·	N/A_
			Address		Expir	ation Date _		N/A
4.		ion of System			1065 Edition N	/A Addond	. 1270 N Cos	lo Cono
5.	(a) A ₁	oplicable Constr	uction Code A	SME VIII	19 <u>65</u> Edition, <u>N</u>	/A_ Addend	a, <u>1270-19</u> Coo	ie Case
	(b) A ₁	oplicable Edition	n of Section XI	Utilized for	Repairs or Rep	acements 19	83, Sum. '83 A	<u>dd.</u>
6.	Identificat	ion of Compone	ents Repaired or	Replaced a	and Replacemen	t Component	:s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identificat	on Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1	RV-44-4639	General	71-368	- N/A	NC02 CLASS	1 1967	Replaced	YES
, (CRD 46-39)	Electric						
				ı				
				•	•	,		
De <u>Re</u>	escription o	f Work: Replac O and flange cap	e Control Rod I	Drive with r ME Work P	ebuilt spare as p Plan in Work Ord	art of preven ler 98-02134	tive maintenand	ce. tion 46-39.
8.	Tests Con	ducted: Hydrostatic	Pneuma	atic 🗌	Nominal Operat	ing Pressure	Other	\boxtimes
		Pressure 1056	psig Test Te	mp. <u>236°</u> F	Test Pr	ocedure: N1	<u>-IST-LK-101</u>	
V	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawing ough 6 on this re of sheets is recor	port is inclu	ded on each sh	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance, Serial No. 71-368 replaced by Serial No. 71-337. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	RTIFICATE OF COM	PLIANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and	this Replacement conforms to the
Type Code Symbol Stamp	NONE ·	
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed: Owner's or Owner	Maint. Manage 's Designee, Title	r Date <u>フ・ュフ</u> ,19 <u>99</u>
	•	
I, the undersigned, holding a valid cor Inspectors and the State or Province Massachusetts have inspected the conto 7/24/44, and state that to the best and taken corrective measures describe ASME Code, Section XI. By signing this certificate neither the I concerning the examinations and correthe Inspector nor his employer shall be loss of any kind arising from or connection.	of New York and emponents described in this st of my knowledge and bed in this Owner's Reportant Conspector nor his employed tive measures described the liable in any manner for ted with this inspection.	Jational Board of Boiler and Pressure Vessel bloyed by <u>Arkwright Mutual Ins. Co.</u> of Owner's Report during the period 7/28/98 elief, the Owner has performed examinations t in accordance with the requirements of the armakes any warranty, expressed or implied, in this Owner's Report. Furthermore, neither any personal injury or property damage or
Inspector's Signature	Commissions <u>NB 8 9</u> Nati	ional Board, State, Province, and Endorsements
Date 7/29, 19 99		

-								
	Owner	Niagara Moha	wk Power Corp	oration	•	Dat	te <u>08/26/99</u>	
		Name					eet <u>1</u> of <u>1</u>	
		Addre		15075		J.i.	,or <u> </u>	•
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY	13093		Mechanical Main			<u>66-00</u>
		Addre			_	-	on P.O. No., Job No., etc.	
3.	Work Per	•	gara Mohawk F Name			•	ol Stamp	
		. <u>PO</u>	Box 63, Lycom Address	ning, NY 13		_		
					Expiration	n Date _		<u>N/A</u>
4.	Identificat	ion of System	Control Rod D	rive				
5.	(a) A ₁	oplicable Constr	uction Code A	SA B31.1	19 <u>55</u> Edition, <u>N/A</u>	Addenda	ı. N/A Code C	ase
•	1	· -						
	(b) A ₁	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83, Sum. 83 Ad	<u>la.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No.	Board No.		Built	Replaced, or Replacement	- Code Stamped
					\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1060	<u> </u>	(Yes or No)
	System 44.1	General Electric	N/A	- N/A	NC02 CLASS1	1969	Replaced	YES
\vdash	-	,						
			`					
			1					
De	escription o	f Work: Replac	e CRD flange c	apscrews as	part of preventive n	naintenar	nce per ASME	work plan
<u>in</u>	Work Orde	r 97-05836-00 a			rence DER 1-1999-1			
<u>A:</u>	SME Sect.	XI work plan.	·				e	
8.	Tests Con		٦ -	٠ اسا ٠				abla
		Hydrostatic'	_ Pneuma	itic [Nominal Operating I	ressure	Other [
		Pressure 1056	psig Test Te	mp. <u>236°</u> F	Test Procee	lure: <u>N1-</u>	IST-LK-101	
Py	OTE:	Supplemental .	sheets in form o	f lists, sketo	hes, or drawings ma	y be used	d, provided (1)	size is 8 x
	·	in. x 11 in., (2)	information in	items I thre	ough 6 on this report f sheets is recorded t	is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD flange capscrews replaced as part of preventive maintenance. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020, VT-2 per NDE Report No. 1-2.04-99-0266.

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI.						
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	· · · · · · · · · · · · · · · · · · ·	Exp	oiration Date	NONE	
Signed:	r's Designee, Title	Maint. I	Manager	Date	8.26	,19 <u>9 </u>
Owner's or Owne	r's Designee, Title			<u>,</u>		
CERTIF	ICATE OF IN	SERVI	CE INSPI	ECTION .		
I, the undersigned, holding a valid considerable inspectors and the State or Province Massachusetts have inspected the conto 919199, and state that to the beand taken corrective measures described ASME Code, Section XI.	of New York mponents descrease of my know	k_ and e ribed in tl ledge and	mployed his Owner I belief, th	by <u>Arkwri</u> 's Report du ne Owner has	ght Mutual ring the peri performed	I Ins. Co. of iod ///5/98 examinations
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
Tynn 19 andus Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements						
Date 919, 1999						

-								
	Owner	Niagara Mohay	wk Power Corp	oration	ä	Dat	te <u>08/24/99</u>	
	o. Owner	Name	vcoming, NY				eet <u>1</u> of <u>1</u>	
		Addre		,		5	····	•
2	2. Plant	Nine Mile Poir				Un	it <u> </u>	
		Lycoming, NY	13093		Mechanical Main		WO # 98-0785 on P.O. No., Job No., etc.	<u> </u>
	Worls Do			lassian Cam	_	-	ol Stamp	N/A
•	3. Work Per		gara Mohawk P Name Box 63, Lycom			•		N/A
		, <u>FO</u>	Address	<u>iiiig, 141-13</u>				N/A
					•	· Date		1071
. 4	4. Identifica	tion of System	Reactor Recircu	ulation (Sys	tem 32)			
4	5. (a) A	pplicable Constr	uction Code <u>A</u>	<u>SME III</u> 19	9 <u>77</u> Edition, <u>S '78</u> A	Addenda,	N/A Code Ca	ise
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83 S '83 Add.	
	5 Identifica	tion of Compone	ents Renaired or	r Renlaced a	and Replacement Co.	mponent	·s:	
·	z. Identified	non or compone	I Topan ca of				· · · · · · · · · · · · · · · · · · ·	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	System 32	Newport News Indust.	N/A	- N/A	CLASS 1	1982	Replacement	NO
_	Piping	Corp.			Piping			
-								
	e .							
		of Work: <u>Installe</u> Work Order 98			suction decon flange 713.	on the	12 Recirc Loop	per ASME
•	8. Tests Co	nducted: -						
•	. 10000 001	Hydrostatic	Pneuma	ntic 🔲 📑	Nominal Operating F	ressure	Other [\boxtimes
v		Pressure 1056	Test Temp. <u>230</u>	<u>5°</u> F	Test Procedure: N1	-IST-LE	<u>ζ-101</u>	
	NOTE:	Supplemental	sheets in form o	f lists, sketo	hes, or drawings ma	v be use	d. provided (1)	size is 8 x
	TOTE.	in. x 11 in., (2)	information in	items 1 thre	ough 6 on this report f sheets is recorded o	is inclu	ded on each she	

 Remarks: This replacement was not the result of an inservice failure. New component added as part of design change. Replacement materials: flange (Cert.No.C-99-0535/Serial No.99S03217), studs (Cert.No.C-96-1109/Ht.no.8073133), nuts (Cert.No.C-93-0987/Ht.no.8079196). VT-1 of studs and nuts to reestablish baseline per NDE Report 1-2.04-99-0163. VT-2 per NDE Report 1-2.04-99-0266.

CE	RTIFICATE OF COMPLIANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the
Type Code Symbol Stamp	NONE
Certificate of Authorization No.	NONE Expiration Date NONE
Signed: Signed: Owner or Owner	Maint, Manager Date 8.25,1999 's Designee, Title
CERTIF	ICATE OF-INSERVICE INSPECTION
Inspectors and the State or Province Massachusetts have inspected the com to 8/26/19, and state that to the best	of New York and employed by Arkwright Mutual Ins. Co. of nonents described in this Owner's Report during the period 4/22/99 at of my knowledge and belief, the Owner has performed examinations ed in this Owner's Report in accordance with the requirements of the
concerning the examinations and corre	Inspector nor his employer makes any warranty, expressed or implied, ctive measures described in this Owner's Report. Furthermore, neither e liable in any manner for any personal injury or property damage or ted with this inspection.
• •	Commissions NB 8496 NY 2812 National Board, State, Province, and Endorsements
Date <u>8/26</u> , 19 <u>99</u>	

			=				•	
	Owner	Niagara Mohay	wk Power Corpo	<u>oration</u>		Dat	te <u>07/23/99</u>	
		P.O. Box 63, L	ycoming, NY	13093		She	et <u>1</u> of <u>1</u>	
·		Addre	13					
2.	Plant	Nine Mile Poir				Un	it <u> </u>	
		Lycoming, NY	13093		Mechanical Main	tenance	WO # 99-0223 on P.O. No., Job No., etc.	9-00
		Addre	13		кер	air Organizado	m P.O. No., 100 No., etc.	
3.	Work Per	formed by Nia	gara Mohawk P	Power Corp.	Type Cod	e Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriza	tion No <u>.</u>		N/A_
			Address		Expiration	n Date _		N/A
4.	Identificat	tion of System	Control Rad D	rive (Systen	n 44 1)			-
٦.		•						
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, <u>N/A</u>	Addenda	a, <u>N/A</u> Code C	lase
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83, Sum.83 Ad	<u>d.</u>
_		··	t. Danainad a.	- Douloosii e				
6.	Identifica	non or Compone	ints Repaired of	r Kepiaced a	and Replacement Co	mponem	S.	
1	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.		Built	Replaced, or Replacement	· Code Stamped
								(Yes or No)
	44.1-H1	M.W. Kellogg	NONE	- N/A	CLASS 1 Piping System	1969	Repaired	МО
					Fighing System			
		'						
_								
					•	<u> </u>	<u> </u>	<u> </u>
					ent weld on pipe supp			
			n accordance w	vith ASME	work plan in Work (<u>)rder 99-</u>	<u>·02239-00. Refe</u>	erence DER
7=	<u> 1999-1246.</u>							
8.	Tests Cor		7	. [] .			m	_
		Hydrostatic _	Pneuma	atic	Nominal Operating I	Pressure	Other [
		Pressure	_ Test Te	emp	F Test Proceed	iure: <u>NC</u>	NE	
	OTE:	Supplemental :	sheets in form c	of lists, sketo	ches, or drawings ma	y be use	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items 1 thre	ough 6 on this report of sheets is recorded	t is inclu	ded on each she	

9. Remarks: This repair was not the result of an inservice failure. During ISI preparation of integral attachment, indications in weld and adjacent base metal were observed (reference DER 1-1999-1246). This work includes weld repair, base metal removal /repair, NDE exams and reestablishment of preservice inspection baseline. Cert No. of weld material: C-97-0754. Reference NDE Report No.s 1-3.00-99-0147, 0139, 0150 and 1-6.05-99-0063, 0052, 0064.

	CERTIFICATE OF COMPLIANCE				
We certify that the statements mad of the ASME Code, Section XI.	e in the report are correct and this <u>Repair</u> conforms to the rules Repair or Replacement				
Type Code Symbol Stamp	NONE				
Certificate of Authorization No.	NONE Expiration Date NONE				
Signed: Owner's or O	Maintenance Manager Date 7.30.,1999 wher's Designee, Title				
CER	TIFICATE OF INSERVICE INSPECTION				
Inspectors and the State or Provi Massachusetts have inspected the to 3 2 19, and state that to the	commission issued by the National Board of Boiler and Pressure Vessel nce of New York and employed by Arkwright Mutual Ins. Co. of components described in this Owner's Report during the period 5 14/99 best of my knowledge and belief, the Owner has performed examinations cribed in this Owner's Report in accordance with the requirements of the				
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.					
Inspector's Signature Date 8/2, 1999	Commissions <u>NB 3496</u> NY 2812 National Board, State, Province, and Endorsements				

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

D		· · · · · · · · · · · · · · · · · · ·					
Owner		wk Power Corp	oration		Dat	te <u>08/28/99</u>	
	P.O. Box 63, L Addre	ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	
2. Plant	Nine Mile Poir				Un	it <u>1</u>	
	Lycoming, NY	13093		Mechanical Main		WO # 98-0660 on P.O. No., Job No., etc.	<u> 4-00</u>
3. Work Perf	ormed by Nia	gara Mohawk P	ower Corp.	Type Cod	e Symbo	ol Stamp	N/A_
	. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093 Authoriza	tion No.		N/A
		Address		Expiration	n Date _		N/A
4. Identificat	ion of System	Rx Pressure Ve	essel & Inter	mals (RPVI)			
	·				444.	N/A C-1-C-	
5. (a) Ap	plicable Constr	uction Code A	SME III 19	9 <u>68</u> Edition, <u>N/A</u> A	adenda,	N/A Code Ca	se
(b) Ap	plicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83 S '83 Add.	
6. Identificat	ion of Compone	ents Repaired or	Replaced a	and Replacement Co	mponent	s:	
Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSV-01-119D	Dresser	BK 6303	- N/A	CLASS 1	1969	Replaced	NO
PSV-01-119F	Dresser	BK 6254	N/A	CLASS I	1969	Replaced	ИО
PSV-01-119G	Dresser	BK 6267	N/A	CLASS 1	1969	Replaced	МО
Description of Work: Removed valves PSV-01-119D, F, G for testing and replaced with spare valves in accordance with ASME Work Plan in Work Order 98-06604-00. Reference DER 1-1999-1886 for bypassed inspections. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 1056 psi Test Temp. 236° F Test Procedure: N1-IST-LK-101							
OTE:	Supplemental .	sheets in form o	f lists, sketc	hes, or drawings ma	y be use	d, provided (1)	size is 8 x

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.

9. Remarks: This replacement is not the result of an inservice failure, Replaced serial number BK 6303 with BK 6292 at PSV-01-119D, Replaced serial number BK 6254 with BK 6297 at PSV-01-119F. Replaced serial number BK 6267 with BK 6256 at PSV-01-119G. VT-2 per NDE Report No. 1-2.04-99-0266.

CE	RTIFICATE	OF COMPLIA	ЙСЕ			
We certify that the statements made in rules of the ASME Code, Section XI.	the report are	correct and this _	Replacement conforms to the			
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	E	xpiration Date <u>NONE</u>			
Signed: Owner's or Owner	's Designee, Title	Maint. Manager	Date <u>9.7</u> ,19 <u>99</u>			
		16				
CERTIFI	CATE OF I	NSER _V ICE INS	PECTION			
Inspectors and the State or Province Massachusetts have inspected the com to 919199, and state that to the bes	of New Yor ponents descrit of my know	k and employed ribed in this Own rledge and belief,	al Board of Boiler and Pressure Vessel by <u>Arkwright Mutual Ins. Co.</u> of er's Report during the period/ <u>0/27/98</u> the Owner has performed examinations ccordance with the requirements of the			
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
Znn 19 Centusm (Inspector's Signature	Commissions	<u>NB 8496</u> National Be	NY 2812 oard, State, Province, and Endorsements			
Date 9/9, 1999						

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

7	Owner	Niagara Mohawk Power Corporation P.O. Box 63, Lycoming, NY 13093 Address Date 08/28/99 Sheet 1 of 1						
2.	Plant	Lycoming, N	ıme		Mechanical Main			<u></u>) <u>4-00</u>
3.	Work Peri	_	liagara Mohawk F Name O Box 63, Lycom Address		093 Authoriza	tion No.	ol Stamp	N/A N/A N/A
5.	5. (a) Applicable Construction Code <u>ASME III</u> 1968 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S '83 Add.							
	Name of Component	Name of Manufacture	Manufacturer' r s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
PS	SV-01-119A	Dresser	BK 6280	- N/A	CLASS 1	1969	Replaced	NO
PS	SV-01-119B	Dresser	BK 6325	N/A	CLASS I	1969	Replaced	NO
PS	SV-01-119C	Dresser	BK 8508	N/A	CLASS I	1969	Replaced	NO
acc	Description of Work: Removed valves PSV-01-119A, B, C for testing and replaced with spare valves in accordance with ASME Work Plan in Work Order 98-06604-00. Reference DER 1-1999-1886 for bypassed inspections. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other							
		Pressure 10	56 psi Test Te	mp. <u>236°</u> F	Test Procee	iure: <u>N1</u>	<u>-IST-LK-101</u>	
V	OTE:	Supplementa	al sheets in form o	of lists, sketc	hes, or drawings ma	rv be use	d, provided (1)	size is 8 x

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.

9. Remarks: This replacement is not the result of an inservice failure. Replaced serial number BK 6280 with BK 6535 at PSV-01-119A, Replaced serial number BK 6325 with BK 6253 at PSV-01-119B, Replaced serial number BK 8508 with BK 6520 at PSV-01-119C, VT-2 per NDE Report No. 1-2.04-99-0266.

CE	RTIFICATE OF COMPLIA	NCE	
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this _	Replacement Repair or Replacement	conforms to the
Type Code Symbol Stamp	NONE		
Certificate of Authorization No.	NONE E	Expiration Date <u>NONE</u>	<u> </u>
Signed: Owner's or Owner		Date9.1	,19 <u>99</u>
	•-		
CERTIFI	CATE OF INSERVICE INS	PECTION	
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the com to <u>AIAIAA</u> , and state that to the bes and taken corrective measures describe ASME Code, Section XI.	of New York and employed ponents described in this Own tof my knowledge and belief,	d by <u>Arkwright Muta</u> ner's Report during the p the Owner has performe	ual Ins. Co. of eriod 10/27/98 ed examinations
By signing this certificate neither the I concerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connect	ctive measures described in this e liable in any manner for any	s Owner's Report. Furth	ermore, neither
Inspector's Signature	Commissions <u>NB 84-96</u> National B	Mソスミ12 oard, State, Province, and Endo	orsements
Date <u>119</u> , 19 <u>99</u>			

							Þ		
7.	Owner	Niagara Moha	wk Power Corpo	<u>oration</u>			Dat	e <u>09/07/99</u>	
	•	• • • • • • • • • • • • • • • • • • • •	vcoming, NY	13093			She	et <u>1</u> of <u>1</u>	
		•							
2.	Plant	Nine Mile Poi					Uni	t <u> </u>	
		Lycoming, N			Mecha			WO # 98-0384 n P.O. No., Job No., etc.	<u>2-06</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	<u></u>	Type Cod	le Symbo	l Stamp	N/A_
		. <u>PO</u>	Box 63, Lycom	ing, NY 13	093	Authoriza	ition No <u>.</u>		N/A
			Address			Expiration	n Date _		N/A
4	Talamatean	ilan af Caratana	Danatas Casa C	Ctm.	otumos (Ch	roud Stabi	limora)		
4.	identificat	non or System	Reactor Core S	upport stru	ctures (Si	iroud Stavi	<u>iizeis)</u>		1
5.	(a) A ₁	pplicable Const	ruction Code <u>A</u>	<u>SME I</u> 19 <u>0</u>	<u>52</u> Edition	, <u>N/A</u> Ad	denda, <u>*</u>	see list below	Code Case
	(b) A	oplicable Editio	n of Section XI	Utilized for	r Repairs o	or Replace	ments 19	83 S '83 Add.	
		•			•	-			
6.	Identificat	tion of Compon	ents Repaired or	r Replaced a	and Repla	cement Co	mponent	S:	
	Name of	Name of	Manufacturer'	National	Other Ide	entification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.			Built	Replaced, or Replacement	· Code Stamped
									(Yes or No)
- B	TIEROD- RXVE-166	General Electric	N/A	- N/A	CL/	ASS I	1995	Replacement	МО
					ļ			•	
						ø			
		<u> </u>							
						0			
		<u> </u>		1	<u></u>		ļ	1	<u>.</u>
De	escription o	f Work: Replac	ed tierod spring	assembly o	of core shr	roud suppo	rt TIERC	D-RXVE-166	in .
			k Plan in Work (e original constr						
	ER 1-1999-	_	<u>o ongmar constr</u>	<u> </u>	<u> </u>		,		
0	Tasta Can	. باد مدما،	я						
8.	Tests Con	iducted: Hydrostatic	Pneuma	atic 🗍	Nominal (Operating I	Pressure	Other [
									
		Pressure	Test Te	mp	<u>°</u> F ′	Test Proced	dure: <u>N/A</u>	7	
N	OTE:	Supplemental	sheets in form o	of lists, sketo	ches, or di	rawings ma	y be use	d, provided (1)	size is 8 x
		in. x 11 in., (2) information in	items 1 thr	ough 6 on	this repor	t is inclu	ded on each she	
		each sheet is i	numbered and th	ie number o	of sheets is	s recorded :	at the top	o oj inis jorm.	

9. Remarks: This replacement was not the result of an inservice failure. Core shroud tierod spring assembly replaced as part of engineering design change. New spring assembly (Serial no.5), brackets (Ht.no.24482Q) hex cap screws (Ht.no. A6087H,H1007), pins (Ht.no.706827,702827), Cert.No. for all materials C-99-0727. VT-3 exam per General Electric Report No.NMP1R15-99-18. Reference DER 1-1999-1621 for gouges/metal deformation.

C	ERTIFICATE OF COMPLIANCE
•	n the report are correct and this <u>Replacement</u> conforms to the
Type Code Symbol Stamp	NONE
Certificate of Authorization No.	NONE Expiration Date NONE
Signed: Owner's or Owner	Maint. Manager Date 9.7, 1999
CERTIF	TICATE OF INSERVICE INSPECTION
Inspectors and the State or Province Massachusetts have inspected the corto 9/8/99, and state that to the be	ommission issued by the National Board of Boiler and Pressure Vessels of New York and employed by Arkwright Mutual Ins. Co. of imponents described in this Owner's Report during the period 5/17/49 est of my knowledge and belief, the Owner has performed examinations and in this Owner's Report in accordance with the requirements of the
concerning the examinations and corre	Inspector nor his employer makes any warranty, expressed or implied, ective measures described in this Owner's Report. Furthermore, neither be liable in any manner for any personal injury or property damage or cted with this inspection.
Inspector's Signature	Commissions <u>NB 8496 NY 2812</u> National Board, State, Province, and Endorsements
Date <u>918</u> , 19 <u>99</u>	

0	Owner	Niagara Moha Name P.O. Box 63, I				Dat She	et <u>09/07/99</u>		
2.	Plant	Nine Mile Poir Name Lycoming, NY Addre	13093		<u>Mecha</u>			WO # 98-0384	<u>2-05</u>
3.	Work Perf	-	gara Mohawk F Name Box 63, Lycom Address			Authoriza	ition No <u>.</u>	ol Stamp	N/A N/A N/A
4.5.6.									
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Ide	ntification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
	TIEROD- RXVE-90	General Electric	N/A	- N/A	Cla	ass 1	1995	Replacement	МО
		,							
<u>su</u> <u>an</u> 12	pport TIER d General E	Work: Perform OD-RXVE-90 in the left of th	n accordance w NMP1-SSM-N	ith ASME VICR-01A. R	Work Plan eference o	in Work (Order 98	03842-05, DD	C 1M00788
		Hydrostatic _		_		Operating I Fest Proced			
No	OTE:	in. x 11 in., (2)	sheets in form of information in umbered and th	items 1 thro	- hes, or drough 6 on	awings ma this report	y be used t is includ	- d, provided (1) . ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. Core shroud tierod support modified as part of engineering design change. Installed materials include: brackets(2) (Cert.No. C-99-0727/Ht.no. 24482Q), hex cap screws(3) (Cert.No. C-99-0727/Ht.nos.A6087H, H1007), pins(3) (Cert.No.C-99-0727/Ht.no.706827). VT-3 exam per General Electric Report No. NMP1R15-99-18. Reference DER 1-1999-1621 for gouges/metal deformation.

CE	RTIFICATE OF COM	PLIANCE	
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and	this <u>Replacement</u> Repair or Replacement	conforms to the
Type Code Symbol Stamp	NONE		
Certificate of Authorization No.	NONE	Expiration Date NO	NE
Signed: Owner's or Owner	Maint, Ma 's Designee, Title	nager Date <u></u> りょう	,19 <u>99</u>
CERTIFI	CATE OF INSERVIC	E INSPECTION	
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the com to 9/9/99, and state that to the bes and taken corrective measures describe ASME Code, Section XI.	of New York and emponents described in this t of my knowledge and	ployed by <u>Arkwright M</u> s Owner's Report during the pelief, the Owner has perfor	utual Ins. Co. of e period 5/16/99 med examinations
By signing this certificate neither the I concerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connect	ctive measures described e liable in any manner f	in this Owner's Report. Fu	rthermore, neither
-			
Inspector's Signature		96 NY 2812 tional Board, State, Province, and E	indorsements
Date 9/8 , 19 9 9		¥	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

		715 Reduired by th	io i io vibiolib (or the reprise code certific	VII 3 LA		
. Owner	Name	vcoming, NY			Dat She	eet <u>08/28/99</u>	
2. Plant	2. Plant Name Lycoming, NY 13093 Address Mechanical Maintenance WO # 98-06604-00 Repair Organization P.O. No., Job No., etc.						
3. Work F	Work Performed by Niagara Mohawk Power Corp. Name PO Box 63, Lycoming, NY 13093 Address Expiration Date						
5. (a) (b)	5. (a) Applicable Construction Code <u>ASME</u> 1968 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S '83 Add.						
Name of Componer		Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSV-01-119	OH Dresser	BK 6524	- N/A	CLASS 1	1969	Replaced	NO
PSV-01-11	9J Dresser	BK 6317	N/A	CLASS I	1969	Replaced	МО
PSV-01-119	DM Dresser	BK 6250	N/A	CLASS 1	1969	Replaced	NO
Description of Work: Removed valves PSV-01-119H, J, M for testing and replaced with spare valves in accordance with ASME Work Plan in Work Order 98-06604-00. Reference DER 1-1999-1886 for bypassed inspections. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other							
IOTE.	Pressure 1050		emp. <u>236°</u> F	Test Proced		-IST-LK-101	siza is 8 v

VOTE:

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8×11 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.

Remarks: This replacement was not the result of an inservice failure. Replaced serial number BK 6524 with BK 6521 at PSV-01-119H. Replaced serial number BK 6317 with BK 6319 at PSV-01-119J. Replaced serial number BK 6250 with BK 6522 at PSV-01-119M. VT-2 per NDE Report No. 1-2.04-99-0266.

CERT	CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the rules of the ASME Code, Section XI.	report are correct and this <u>Replacement</u> conforms to th							
Type Code Symbol StampN	IONE							
Certificate of Authorization No.	NONE Expiration Date NONE							
Signed: Owner's Owner's D	Maint Manager Date 9.7 ,1999 Designee, Title							
	••							
CERTIFICA	CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>10/27/49</u> to <u>II 41 44</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.								
concerning the examinations and corrective	pector nor his employer makes any warranty, expressed or implied we measures described in this Owner's Report. Furthermore, neithe able in any manner for any personal injury or property damage of with this inspection.							
Jane W Cerdlessen Con Inspector's Signature	nmissions <u>NB 8496 NY 2812</u> National Board, State, Province, and Endorsements							
Date 9/9, 19 99								

3									
D	Owner	Niagara Mohav	wk Power Corp	oration			Dat	e <u>09/07/99</u>	
		P.O. Box 63, Lycoming, NY 13093				Sheet <u>1</u> of 1			
		Address Sheet Of							•
2.	Plant	Nine Mile Poir					Uni	t <u>1</u>	
		Lycoming, NY	13093 '		Mecha			WO # 97-0439	2-02
		Addre	35			Rep	air Organizatio	n P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.		Type Cod	le Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	093	Authoriza	tion No <u>.</u>		N/A
			Address			Expiration	n Date _		N/A_
4.	Identificat	tion of System	Reactor Vessel	(RXVE)					•
••		•							
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	<u>SME I</u> 19 <u>6</u>	52 Edition	n, <u>N/A</u> Ad	denda, <u></u>	see below Co	de Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	r Repairs	or Replacei	ments 19	83 S '83 Add.	
6	Identifica	tion of Compone	ents Renaired o	r Renlaced s	and Renia	cement Co	mnonent	g•	
<u> </u>	Identifica	non or compone			and Repla		ponon	·	-
	Name of	Name of	Manufacturer'	National	Other Ide	entification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.	*		Built	Replaced, or Replacement	Code Stamped
<u> </u>	Core Shroud	General	N/A	- N/A	CL	ASS I	1969	Replacement	(Yes or No) NO
'	Cole Sinoud	Electric			. 02.	1001	1,00	ropiaodiloli	
-						<u> </u>			
			į						
									
				}					
ח	occrintian a	f Work: Installa	ition of clamps	at core shro	ud vertica	al welde VO) and V1() in accordance	with
A	SME Work	Plan in Work O	rder 97-04392-	02 and Fran	natome pr	ocedure no	<u>. 03-500</u>	3989-01. * Apr	olicable
<u>C</u>	ode Cases 1	<u>270N, 1272N, 1</u>	273N, and 127:	5N. Referen	ice DER_1	<u>1-1999-072</u>	<u>4.</u>		
8.	Tests Cor	iducted:							_
		Hydrostatic	Pneuma	atic 🔲	Nominal	Operating I	Pressure	Other [
		Pressure	Test Te	emp	<u>•</u> F	Test Proced	dure: <u>N/</u>	<u> </u>	
	OTE:								
		E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8x$ 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.							

9. Remarks: This replacement is the result of an inservice failure. Two clamps were installed at core shroud vertical weld V9 (Clamp ID's: CLAMP-A-V9-RXVE, CLAMP-B-V9-RXVE Cert. Nos. C-99-0695), Two clamps were installed at core shroud vertical weld V10 (Clamp ID's: CLAMP-A-V10-RXVE, CLAMP-B-V10-RXVE Cert. No. C-99-0695), VT-3 performed per NDE Report Nos. 1-2.04-99-0243, 0244, 0245 and 0246.

. CE	ERTIFICATE OF COM	PLIANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and	I this <u>Replacement</u> conforms to th
Type Code Symbol Stamp	NONE	
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed: Owner's or Owner	MAINT. MANAG r's Designee, Title	Date 9.8 ,1999
	-	
CERTIF	icate of inservice	E INSPECTION
Inspectors and the State or Province Massachusetts have inspected the come to 91919, and state that to the best	of New York and emponents described in this st of my knowledge and b	National Board of Boiler and Pressure Vesse ployed by <u>Arkwright Mutual Ins. Co.</u> of Owner's Report during the period <u>5/4/49</u> pelief, the Owner has performed examination at in accordance with the requirements of the
concerning the examinations and corre	ctive measures described e liable in any manner fo	er makes any warranty, expressed or implied in this Owner's Report. Furthermore, neither any personal injury or property damage or
Inspector's Signature	Commissions <u>NB 84</u> Nat	96 NY 2812 ional Board, State, Province, and Endorsements
Date <u>9/9</u> , 19 <u>99</u>		

_									
	Owner	Niagara Moha	wk Power Corp	oration			Dat	e <u>09/02/99</u>	
		Name	ycoming, NY				She	et <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poi		<u>-</u>			Uni	t <u> </u>	
		Lycoming, NY	13093		Mechanic			WO # 98-0384 n P.O. No., Job No., etc.	<u>2-09</u>
3.	Work Peri	formed by Nia	gara Mohawk P	ower Corp.	Ту	ype Code	e Symbo	l Stamp	N/A_
		· <u>PO</u>	Name Box 63, Lycom Address	ning, NY 13	<u>093</u> Aı	uthoriza	tion No <u>.</u>		N/A
		4	Address		Ex	kpiration	Date _		<u>N/A</u>
4.	Identificat	ion of System	Reactor Core S	upport Stru	ctures (Shrou	ıd Stabil	izers)		
5.	(a) A ₁	oplicable Consti	action Code A	SME I 196	52 Edition N	/A Add	lenda *	see below. Coo	de Case
٥.	.,								
	(b) A ₁	pplicable Editio	n of Section XI	Utilized for	· Repairs or F	Keplacen	nents 193	83 S '83 Add.	
6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Replacen	nent Cor	nponent	5 :	
7	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identif	ication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	TIEROD- RXVE-350	General Electric	N/A	N/A	CLASS	1 .	1995	Replacement	МО
<u>re</u> <u>N</u>	tainer clip in CR-03: Ref	f Work: Replace n accordance with erence DER 1-1 170N, 1272N, 12	th ASME Work 999-1773 for ja	Plan in Wo	ork Order 98.	<u>-03842-(</u>	09 and G	E Traveler NM	<u> P1-SSM-</u>
8:	Tests Con	iducted:					•		
- •		Hydrostatic [Pneuma	atic 🔲	Nominal Ope	erating P	ressure	Other [
		Pressure	_ Test Te	mp	°F Tes	t Proced	ure: <u>N/A</u>	<u>.</u>	
\mathcal{I}_N	OTE:	in. x 11 in., (2)	sheets in form o information in numbered and th	items 1 thre	ough 6 on thi	is report	is includ	ded on each she	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. Replacement performed per DER 1-1999-1773 disposition. Replacement material: spring retainer (Cert.No. C-99-0492/Ht.no.36011).VT-3 performed per General Electric NDE Report NMP1R15-99-21.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI.							
Type Code Symbol Stamp NONE							
Certificate of Authorization No. NONE Expiration Date NONE							
Signed: Maint. Manager Date 9.7 ,1999 Owner's Designee, Title							
CERTIFICATE OF INSERVICE INSPECTION .							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 5/26/97 to 9/8/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn D. Commissions NB 8496 NY 2812 Inspector's Signature Commissions NB 8496 NY 2812 National Board, State, Province, and Endorsements							
Date <u>9/8</u> , 19 <u>99</u>							

<u> </u>									
D	Owner	Niagara Moha	wk Power Corp	oration			Dat	e <u>09/07/99</u>	
	Owner	Name							
		P.O. Box 63, I	vcoming, NY	<u>13093 </u>			She	et <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir					Uni	t <u>1</u>	
		Lycoming, NY	13093		Mech			WO # 98-0384	2-08
		Addre	33			Rep	air Organizatio	n P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.		Type Cod	le Symbo	l Stamp	<u> N/A</u>
		. PO	Name Box 63, Lycom	ning, NY 13	093	Authoriza	tion No.		N/A
			Address				_		N/A
						Expiratio	n Date _		N/A
4.	Identificat	tion of System	Reactor Core S	upport Stru	ctures (SI	hroud Stabi	lizers)		
_	(-)			CNATT 104	io rainta	_ NT/A _ A 1	4 دادسماد		Code Cere
5.	(a) A ₁	pplicable Consti	uction Code A	<u>SME 1</u> 19 <u>0</u>	<u>52</u> Edition	1, <u>N/A</u> Ad	denda,	see list delow	Code Case
	(b) A	pplicable Editio	n of Section XI	Utilized for	Repairs	or Replace	ments 19	83 S '83 Add.	
	• •	•	•	•		•			
6.	Identification	tion of Compon	ents Repaired or	r Replaced a	and Repla	cement Co	mponent	s:	
		1	T		T		· · ·		400.00
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Id	entification	Year Built	Repaired, Replaced, or	ASME Code
			1					Replacement	Stamped
-	TIEROD-	General	N/A	- N/A	CI.	ASS I	1995	Replacement	(Yes or No) NO
	RXVE-350	Electric	10/11				1		
-					 				
1									
-									
							<u> </u>		<u> </u>
ים	escription o	f Work: Perfori	med machining	and installed	d clamns	and holts o	n unner s	spring of core sl	hroud
su	pport TIER	OD-RXVE-350	in accordance	with ASME	Work Pl	an in Work	Order 9	8-03842-08, DI	DC
		General Electr					DER 1-19	999-1375. * Re	<u>ference</u>
<u>or</u>	iginal const	ruction Code Ca	ases 1270N, 127	<u>72N, 1273N</u>	and 127:	<u>5N.</u>			
8.	Tests Con	iducted:							
٠.		Hydrostatic	Pneuma	atic 🔲	Nominal	Operating 1	Pressure	Other [
				_					
		Pressure	_ Test Te	mp	<u>°</u> F	Test Proce	dure: <u>N/A</u>	<u>\</u>	
K,	OTE:	Cunnlamantal	sheets in form o	of lists shots	shop or d	rawinae ma	nı ho uso	d provided (1)	<i>size is</i> 8
	UIE:		sneeis in jorm o information in						
			numbered and th						

9. Remarks: This replacement was not the result of an inservice failure. Core shroud tierod support modified as part of engineering design change, All installed materials have Cert, No. of C-99-0727. Brackets
Ht.no.24482Q, hex cap screws Ht.nos. A6087H, H1007, pins Ht.no.706827. VT-3 exam per General Electric Report No. NMP1R15-99-21. Reference DER 1-1999-1621 for gouges/metal deformation.

CERTIFICATE OF COMPLIANCE					
We certify that the statements made in rules of the ASME Code, Section XI.	the report are	re correct and this <u>Replacement</u> conforms to the			
Type Code Symbol Stamp	NONE				
Certificate of Authorization No.	NONE	Expiration Date NONE			
Signed:Owner for Owner	er's Designee, Titl	Maint. Manager Date 9.7 ,1999			
CERTIF	ICATE OF-I	INSERVICE INSPECTION			
Inspectors and the State or Province Massachusetts have inspected the corto 9/9/99, and state that to the be	of New Yor nponents desc st of my know	ued by the National Board of Boiler and Pressure Vessel rk and employed by Arkwright Mutual Ins. Co. of cribed in this Owner's Report during the period 5/16/99 wledge and belief, the Owner has performed examinations wner's Report in accordance with the requirements of the			
concerning the examinations and corre	ective measure be liable in an	r his employer makes any warranty, expressed or implied, es described in this Owner's Report. Furthermore, neither my manner for any personal injury or property damage or inspection.			
Lynn D Onderson Inspector's Signature	Commissions	NBS 4-96 NY 2-812 National Board, State, Province, and Endorsements			
Date <u>918</u> , 19 <u>99</u>					

		As Required by the	ie Frovisions	of the ASME Code Secti	אל זוט				
. Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>09/07/99</u>			
	Name				Sheet _ 1 of _ 1				
	Addre	33					-		
2. Plant	Nine Mile Poir			•	Unit1				
	Lycoming, NY			Mechanical Mair	tenance	WO # 98-0384	12-07		
	Addre			Rep	air Organizati	on P.O. No., Job No., etc.			
3. Work Pe	rformed by Nia	gara Mohawk F	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A		
	. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	tion No.		N/A		
		Address		Expiration	n Date _		N/A		
		D (C)		-4 (01 1.04.1.1	1!				
4. Identifica	ation of System	Reactor Core S	upport Stru	ctures (Shroud Stabi	iizers)				
5. (a) A	Applicable Consti	uction Code <u>A</u>	<u>SME I</u> 19 <u>0</u>	62 Edition, <u>N/A</u> Ad	denda, <u>'</u>	* see list below	Code Case		
(L)	A muli aakla Tiditia.		Titilized for	r Danaira ar Danlaga	manta 10	102 C 102 V 44			
(b) A	Applicable Editio	n or Section XI	Offinzed for	r Repairs or Replace	ments 15	03 3 03 Auu.	-		
6. Identific	ation of Compone	ents Repaired of	r Replaced a	and Replacement Co	mponent	ts:			
		1			l		io E		
Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	· Code		
		į				Replacement	Stamped (Yes or No		
TIEROD-	General	N/A	- N/A	CLASS I	1995	Replacement	NO		
RXVE-270	Electric		•	•					
	• -								
			·						
					·!		1		
Description	of Work: <u>Perfori</u> ROD-RXVE-270	med machining	and installe with ASME	d clamps and bolts of Work Plan in Work	<u>n upper</u> : Order 9	8-03842-07. DI	nroua DC		
1M00788 ar	nd General Electr	ic Traveler NM	<u> P1-SSM-N</u> 0	CR-01A, Reference					
original con	struction Code C	ases 1270N, 12	72N, 1273N	I and 1275N.					
8. Tests Co	onducted:		-						
	Hydrostatic [Pneum	atic 🔲	Nominal Operating	Pressure	Other			
	Pressure	_{ተልዩ} ጥ	emp	°F Test Proce	dure: N/	Α .			
1	riessuie		P		uui (). <u>13//</u>	· 			
NOTE:	Supplemental	sheets in form o	of lists, skete	ches, or drawings mo	ry be use	d, provided (1)	size is 8 x		
	in. x II in., (2)) information in numbered and th	i items I thr he number e	ough 6 on this repor of sheets is recorded	i is inclu at the to	aea on each sh n of this form	eei, ana (3)		
•	each sheet is t	mmoerea ana H	io number (y anceia ia recorueu	as 1110 10	e oj imo joi in.			

9. Remarks: This replacement was not the result of an inservice failure. Core shroud tierod support modified as part of engineering design change. All installed materials have Cert.No. of C-99-0727. Brackets Ht.no. 24482Q, hex cap screws Ht.nos. A6087H, H1007, pins Ht.no. 706827. VT-3 exam per General Electric Report No. NMP1R15-99-18. Reference DER 1-1999-1621 for gouges/metal deformation.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed: Maint. Manager Date 9.7, 1999 Owner's or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 5/16/97 to 9/8/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Lynn & Underson Commissions NV 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements Date 9/8, 1999

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Own	1. Owner Niagara Mohawk Power Corporation					6/93			
	301 Plainfield R	oad, N. Syracuse,	N.Y. 1321	2 Shee	t	lof	1		
2. Plant	Nine Mile	Point		Unit _	1				
				1 67 67 T. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		الار	199237		
-	Lycoming, N Addr	ew York 13093 ess		MECHAN Repai	NCAL M. r Organi:	AINTENANCE WE zation P.O. No., Jo) #-11-99237-00 ob No., etc.		
3. Worl	k Performed By	Niagara Mohaw			nbol Stamp	6			
		Name	Autho	orization	No. NON	E			
		ad, N. Syracuse,	N.Y. 13212	<u>2</u>	ation Da	ateNC)NE		
4. Ideni	•	ress em <u>CONTRO</u>	I. ROD DRI	VE.					
(b) A	 5. (a) Applicable Construction Code <u>ASA B31.1</u> 1955 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case. (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, S 83 6. Identification of Components Repaired or Replaced and Replacement Components 								
NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board -No	OTHER IDENTIFICATION -	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No		
CRD 10-39	GENERAL ELECTRIC	71-399 7/348	N/A .	NC02 CLASS.1	1967	REPLACED	YES		
			y.			,			
	-								
		<u> </u>	<u> </u>		<u>. </u>	l			
7. Desc SER	ription of Work		NTROL RO	DD DRIVE WITH RI			1-1999-1312		
8. Test	s Conducted: -								
	Hydrostatic X P	neumatic 🗆 Non	ninal Operat	ting Pressure 🗆		ist			
	•	essure <u>-1035</u> 10	_	Te	est Proc F		LK-101 Rev.00		
	Oulei Li Pi	essure <u>-1000 10</u>	is lest len	iip. <u>200 aa /</u>					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 $\frac{1}{2}$ 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.

(12/82) This form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Err.

9. Remarks:

THIS WAS NOT THE RESULT OF AN INSERVICE FAILURE. THE CRD WAS EXCHANGED AS PART OF PREVENTATIVE MAINTENANCE. THIS INCLUDES A VT-1 EXAM (REFERENCE NDE REPORT 1-2.01-93-0039, 1-2.01-93-0154) FOR CATEGORY BG2 ITEM B7.80 BOLTS, AND VT-2 EXAM (REFERENCE NDE REPORT 1-2.01-93-0244). CRD SERIAL NO. 71-399 WAS BUILT TO ASME SECTION VIII.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp NONE
Certificate of Authorization No NONE Expiration Date NONE
Signed Cobut Tenain Maga Maint (but Date 6/4 , 19 23 Date 6/4 , 19 23 Owner's Designee, Title
Owner's Designee, Title
CARLET OF CARLET S DESIGNACY TIES
•
CERTIFICATE OF INSERVICE INSPECTION .
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>NEW YORK</u> and employed by <u>ARKWRIGHT</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>3/19/93</u> to <u>6/7/93</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
FACTORY MUTUAL SYSTEM
Lynn W Clindlesson Commissions NO S 496 SNY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Ynspector's Signature National Board, State, Province, and Endorsements
Date 6/7 1993 From Daylus 9/8/99

(12/82)

		nawk Power Corpo Name			e <u>3/1</u>	, , , , ,	
	301 Plainfield F	<u>load, N. Syracuse,</u> ress	N.Y. 1321	2 Shee	t	1of	1 .
2. Plan	t <u>Nine Mile</u>	Point		Unit _	1		
	Nac		•			w	R 199250
		New York 13093 ress		MECHAN Repai	<u>IICAL M</u> r Organi	AINTENANCE WC	# 11-99250 (bb No., etc.
3. Work Performed By Niagara Mohawk Power Corp.				orp. Type (Code Syr	nbol Stamp	NONE
	001 DL-1-5-11 D	Name	N. 1001	_		No. NON	
	Ado	<u>oad, N. Syracuse,</u> dress	*		ration D	ateNO	NE
4. Iden	tification of Syst	tem <u>CONTRO</u>	L ROD DRI	VE			
5. (a) A	Applicable Const	ruction Code <u>AS</u>	A B31.1	19 <u>55</u> Edition	, <u>N/A</u>	A Addenda, N/	A_ Code Case
(b) A	Applicable Editio	n of Section XI U	tilized for R	epairs or Replacen	nents 19	83 , S 83	
6. Idei	arification of Co	mponents Repaire	d or Replac	ed and Replaceme	nt Com	onents	
			,	· · · · · · · · · · · · · · · · · · ·			,
							ASME
1E OF	NAME OF	MANUFACTURER'S	National Board	OTHER	Year	Repaired Replaced, or	Code Stamped
PONENT	MANUFACTURER	SERIAL No.	No.	IDENTIFICATION	Built	Replacement	(Yes
							or No
CRD 14-35	GENERAL ELECTRIC	71-348 71-399	N/A .	NC02 CLASS 1	1967	REPLACED	YES
		 	*				
- : -		+					
	,	 					
•			.!	L			
	ription of Work			DD DRIVE WITH R			
S£	RIAL NUMBE	TR CORRECTION	S WERE	MADE IN	A CC OK	DHNCE WITH	<u>4. DER. j~1999</u>
	s Conducted:					•	
	Windrastatia V I	Pneumatic 🗆 Non	ninal Opera	ting Pressure 🗆 To	est Proc	redure: N1- ISI -I	.K-101 Rev.00
	nyurostauc x r						
	•	ressure <u>1035-104</u>	s Test Ten	np. <u>-200 227</u>	•F		

(12/82)This form (E00030) may be obtained from the Order Dept., ASHE, 345 E. 47th St., New York, N.Y. 10017

9. Remarks:

THIS WAS NOT THE RESULT OF AN INSERVICE FAILURE. THE CRD WAS EXCHANGED AS PART OF PREVENTATIVE MAINTENANCE. THIS INCLUDES A VT-1 EXAM (REFERENCE NDE REPORT 1-2.01-93-0739, 1-2.01-93-0218) FOR CATEGORY BG2 ITEM B7.80 BOLTS, AND VT-2 EXAM (REFERENCE NDE REPORT 1-2.01-93-0244). CRD SERIAL NO. 71-348 WAS BUILT TO ASME SECTION VIII.

6-2 52

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the ASME Code, Section XI.
conforms to the rules of the ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp NONE
Certificate of Authorization No <u>NONE</u> Expiration Date <u>NONE</u>
Signed (not ut a Torsin Whose Manut Unit! Date 6/1 , 1993
Signed For out of Tensin White Manut Unit! Date 6/1, 1993 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION .
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of NEW YORK and employed by ARKWRIGHT of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/15/95 to 1/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
FACTORY MUTUAL SYSTEM Lynn W Onleym Commissions NB 8496 SNY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date 6/4,1993 Lynn Dales 9/8/99

Owner .	Niagara Mohav Name P.O. Box 63, L Addre	ycoming, NY			Date <u>08/24/99</u> Sheet <u>1</u> of <u>1</u>				
2. Plant	Nine Mile Poir Name Lycoming, NY Addre	13093			Unit 1 chanical Maintenance WO # 98-07548-08 Repair Organization P.O. No., Job No., etc.				
3. Work P	erformed by Nia	gara Mohawk F	ower Corp.		le Symbo	ol Stamp	N/A		
•	. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	ation No.	•	N/A_		
		Youress	•	Expiratio	n Date _		N/A		
4. Identific	cation of System	Feedwater/HPC	CI (System :	31)					
5. (a)	Applicable Constr	uction Code A	SME_III_ 1	9 <u>80</u> Edition, <u>S'82</u> A	ddenda,	N-62-2 Code	Case		
*	••		_	,	Ť	.			
(b)	Applicable Edition	or Section At	Othized for	Repairs or Replace	ments 19	<u>03, 3um. 03 Au</u>	<u>ua.</u>		
6. Identific	cation of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:			
Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
CKV-31-011	Anchor , Darling	E6619-1-1	- N/A ·	CLASS 1 · VALVE	1986	Replacement	ИО		
	•								
-	of Work: <u>Replac</u> DER 1-1999-1469			with ASME Work P	lan in W	ork Order 98-07	<u>7548-08.</u>		
8. Tests Co	onducted: - Hydrostatic	Pneuma	atic 🔲 📑	Nominal Operating I	Pressure	Other [\boxtimes		
	Pressure 1056	<u>psi</u> Test Te	mp. <u>236°</u> F	Test Proceed	dure: <u>N1</u>	-IST-LK-101			
NOTE:	in. x 11 in., (2)	information in	items I thro	hes, or drawings ma ough 6 on this report f sheets is recorded	t is inclu	ded on each she			

9. Remarks: This replacement was not the result of an inservice failure. Valve seat replaced due to poor LLRT history. Replacement materials: valve seat (Cert.No. C-95-0804), weld filler material ER308 (Cert.No. C-97-0754/Ht.no.CT6878). VT-2 examination performed during N1-IST-LK-101 reference NDE Report No. 1-2.04-99-0266, QIR Report per 1-99-0495.

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.						
Type Code Symbol Stamp NONE						
Certificate of Authorization No. NONE Expiration Date NONE						
Signed:						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>5/15/49</u> to <u>\$126/49</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
Zm D Cluber Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements						
Date 8/26, 1999						

	_			_						
	Owner	Name				Date <u>08/05/99</u>				
		P.O. Box 63, I	ycoming, NY	13093		Sheet <u>1</u> of <u>1</u>				
2.	Plant	Nine Mile Poi				Unit1				
		Lycoming, N	7 13093		Mech			WO # 98-0591	<u>5-06</u>	
2	Worls Dom			Pouvor Corn		•		ol Stamp	N/A	
٥.	Work Per	•	ngara Mohawk P	•		• •	•	• .	N/A_	
		Address								
	Expiration DateN/A								N/A	
4.	Identificat	ion of System	Reactor Recirc	ulation (Sys	stem 32)				-	
5.	(a) A ₁	oplicable Consti	ruction Code <u>A</u>	<u>SME I</u> 19 <u>6</u>	55 Edition	n, <u>NONE</u>	Addenda	, <u>NONE</u> Code	Case	
	(b) A	nnligable Editio	n of Section XI	I Itilized for	· Ranaire	or Replace	ments 10	83 ሬነგ3 የዓዓ		
	(b) A	ppiicable Editio	ii of Section XI	Othized for	. Kepans	or replaces	mems 17	05, 5 05 Aud.		
6.	Identificat	ion of Compon	ents Repaired or	r Replaced a	and Repla	acement Co	mponent	S:		
	Name of	Name of	Manufacturer'	National	Other Id	lentification	Year	Repaired,	ASME	
	Component	Manufacturer	s Serial No	Board No.	,		Built	Replaced, or Replacement	Code Stamped	
							10.60		(Yes or No)	
	BV-32-381	General Electric	N/A	- N/A	· CL	ASS I	1969	Replacement	МО	
-	•		•	<u> </u>						
	·			·						
						•				
	accintion o	6Warler Danlag	e damaged valv	es aland stud	da and nu	to ac nort of	Fnravant	iva maintanana	e Renlaced	
2 ((two)studs	and 4 (four) nut	s per ASME Wo	ork Plan in \	Work Ord	ier 98-0591	5-06 at E	3V-32-381	<u>s. Replaced</u>	
8.			,							
0.	16212 COL	Hydrostatic	Pneuma	atic 🔲	Nominal	Operating 1	Pressure	Other [\boxtimes	
		Dane - 105	: _ :	02COT	7	Tost Deser	dumai NÝ1	፲ ሮሞ ፲ ፲/ 1/1		
		Pressure 1056	<u>psi</u> l'est l'e	mp. <u>236 °</u> F	•	rest Proce	ииге: <u>IN I -</u>	<u>-IST-LK-101</u>		
N	OTE:	Supplemental	sheets in form o	of lists, sketc	ches, or d	rawings ma	ry be used	d, provided (1)	size is 8 x	
j) information in numbered and th						:ei, ana (3)	
				•	7		•	- •		

9. Remarks: This replacement was not the result of an inservice failure. Replaced two studs and four nuts as part of preventive maintenance. New items installed, studs (Cert.No. C-96-1109/Ht.No.8073133), nuts (Cert.No. C-93-0987/Ht. No. 8079196). VT-1 of studs per NDE Report 1-2.04-99-0156. VT-2 per NDE Report 1-2.04-99-0266.

<u>'</u>									
CE	CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this _	Replacement conforms to the							
Type Code Symbol Stamp	NONE	i							
Certificate of Authorization No.	NONE E	xpiration Date <u>NONE</u>							
Signed: Owner sor Owner	Maintenance Manager	Date <u>& 11</u> ,1999							
I, the undersigned, holding a valid cor Inspectors and the State or Province Massachusetts have inspected the composite 17/19, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of New York and employed apponents described in this Own it of my knowledge and belief, and in this Owner's Report in a	al Board of Boiler and Pressure Vessel by Arkwright Mutual Ins. Co. of er's Report during the period 4/27/49 the Owner has performed examinations ecordance with the requirements of the tes any warranty, expressed or implied,							
concerning the examinations and correct	ctive measures described in this e liable in any manner for any	owner's Report. Furthermore, neither personal injury or property damage or							
Inspector's Signature Date \$17 1999	Commissions <u>NB 8496</u> National Bo	MY 2812 pard, State, Province, and Endorsements							

		3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -							
Owner	Name	vcoming, NY			Date <u>08/05/99</u> Sheet <u>1</u> of <u>1</u>				
2. Plant	Nine Mile Poi Name Lycoming, N	nt 7 13093			Unit 1 Mechanical Maintenance WO # 98-04789-00 Repair Organization P.O. No., Job No., etc.				
3. Work	·	ngara Mohawk F Name Box 63, Lycon Address		Type Coo	ype Code Symbol Stamp uthorization No xpiration Date				
5. (a) (b)	5. (a) Applicable Construction Code <u>ASME I</u> 1962 Edition, <u>Latest</u> Addenda, <u>Latest</u> Code Case								
Name of Compone		Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)		
IV-01-02	2 Atwood Morrill	Unknown	- N/A	MSIV CLASS I	1969	Replaced	NO		
	,	,							
			-						
in Work C Order.	on of Work: <u>Replace</u> Order 98-04789-00 - Conducted: Hydrostatic	e valve stem, po and DDC 1M00	113A. Exis	ids and (16)nuts in a ting seat was maching Nominal Operating	<u>ied per V</u>	VSI traveler wit	hin Work		
	Pressure 1056	<u> 5 psi</u> Test Te	mp. <u>236°</u> I	Test Proce	dure: <u>N1</u>	-IST-LK-101			
OTE:	in. x 11 in., (2)) information in	items 1 thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each sh			

9. Remarks: This replacement was not the result of an inservice failure. Valve retrofit modification performed to enhance performance: Replacement material includes; stem (Cert.No.C-94-0856/Ht.No.39600), poppet (Cert.No.C-94-0855/Ht.No.C2731), studs (Cert.No.C-99-0580/Ht.No.B4), nuts (Cert.No.C-99-0607/Ht.No.S-273). VT-1 of new studs and nuts per NDE Report 1-2.04-99-0212. VT-2 per NDE Report 1-2.04-99-0266.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and thi	s <u>Replacement</u> conforms to th					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed: Steen Self Owner's of Owner	Maintenance Manager	Date <u>& ·11</u> ,19 <u>99</u>					
CERTIFI	CATE OF INSERVICE IN	SPECTION					
Inspectors and the State or Province Massachusetts have inspected the come to <u>8/17/49</u> , and state that to the bes	of New York and employ apponents described in this Over the control of the contro	onal Board of Boiler and Pressure Vesse, yed by <u>Arkwright Mutual Ins. Co.</u> of wner's Report during the period <u>4</u> 24 9 ef, the Owner has performed examinations a accordance with the requirements of the					
concerning the examinations and correct	ctive measures described in t e liable in any manner for a	nakes any warranty, expressed or implied, his Owner's Report. Furthermore, neither ny personal injury or property damage or					
Inspector's Signature Date 8/17, 1999	Commissions <u>NB 5496</u> National	Board, State, Province, and Endorsements					

. Owner		wk Power Corp	oration		Da	te <u>08/21/99</u>	
	P.O. Box 63, I	vcoming, NY	13093		She	eet <u>1</u> of <u>1</u>	-
2. Plant	Nine Mile Poi				Un	it1	
	Lycoming, NY	7 13093		Mechanical Mair		WO # 98-0754 on P.O. No., Job No., etc.	18-00
3. Work Po	erformed by Nia	ngara Mohawk F	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A
	. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	Authoriza	tion No.		N/A
		Address		Expiration	n Date _		N/A
4. Identific	eation of System	Feedwater/HPC	CI (System :	31)			
5. (a)	Applicable Consti	ruction Code <u>A</u>	SME III 1	9 <u>80</u> Edition, <u>S'82</u> A	ddenda,	<u>N-62-2</u> Code	Case
(b)	Annlicable Editio	n of Section VI	Litilized for	r Repairs or Replace	ments 19	983 Sum '83 Ad	ld
• • •	•••,			4			<u>.u.</u>
6. Identific	ation of Compon	ents Repaired or	r Replaced a	and Replacement Co	mponent	:s:	
Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
CKV-31-01F	Anchor Darling	E6619-1-1	- N/A	CLASS I · VALVE	1986	Replacement	МО
	of Work: <u>Replace</u> r 98-07548-00, D			nuts and seat in acco	rdance v	vith ASME wor	k plan in
•		DO TIVIOU727 al	<u>IG 191-1911-19</u>	1-001-2-12.			
8. Tests Co	onducted: - Hydrostatic [Pneuma	atic 🗌	Nominal Operating I	Pressure	Other [\boxtimes
	Pressure 1056	<u>5 psi</u>	emp <u>, 236 °</u> F	Test Procee	dure: <u>N1</u>	<u>-IST-LK-101</u>	đ.
NOTE:	in. x 11 in., (2,) information in	items 1 thre	ches, or drawings ma ough 6 on this report of sheets is recorded	t is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. Valve refurbished due to poor LLRT history. Parts replaced: hinge pins (Cert.No. C-99-0706/Ht.No. H1075), bonnet nuts (Cert.No.C-91-0838 / Ht.No.YM1), seat (Cert.No.C-95-0804), filler weld material E308 (Cert.No.2B-1652/Ht.467366). VT-2 examination performed during N1-IST-LK-101 reference NDE Report No. 1-2.04-99-0266.

CE	RTIFICATE OF COMPLIANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the
Type Code Symbol Stamp	NONE
Certificate of Authorization No.	NONE Expiration Date NONE
Signed:Owner's or Owner	Maint. Manager Date <u>\$.25</u> ,1999
,	
CERTIFI	ICATE OF INSERVICE INSPECTION
Inspectors and the State or Province Massachusetts have inspected the com to 3/26/99, and state that to the bes	of New York and employed by Arkwright Mutual Ins. Co. of ponents described in this Owner's Report during the period 12/14/98 at of my knowledge and belief, the Owner has performed examinations ed in this Owner's Report in accordance with the requirements of the
concerning the examinations and correct	inspector nor his employer makes any warranty, expressed or implied, ctive measures described in this Owner's Report. Furthermore, neither e liable in any manner for any personal injury or property damage or ted with this inspection.
Inspector's Signature Date 8/26, 1999	Commissions NB 496 NY 2812 National Board, State, Province, and Endorsements

	Owner	Name	ycoming, NY		Date <u>07/23/99</u> Sheet <u>1</u> of <u>1</u>				
2.	Plant	Nine Mile Poir Name Lycoming, NY Addre	nt 13093		Mechanical Main			9-00	
3.	Work Peri	, <u>—</u>	gara Mohawk F Name Box 63, Lycon		<u> </u>	•	ol Stamp	N/A N/A	
ala		d	Address		Expiration	n Datë _		N/A	
4.5.6.	 Identification of System Main Steam (System 01) (a) Applicable Construction Code ASA B31.1 1955 Edition, NONE Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. '83 Add. 								
D	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)	
	01-HS-02	Grinnell- Bendix Westinghouse	N/A	- N/A	CLASS 1 Pipe Support	1969	Replacement	NO	
	···	•	•						
		19-00 and proced ducted: Hydrostatic	dure N1-MSP-	<u>GEN-352.</u> atic ☐	snubber in accordar Nominal Operating I	Pressure	Other [·	
D ^{NO}	OTE:	in. x 11 in., (2)	information in	of lists, sketo items 1 thro	EF Test Proced whes, or drawings made ough 6 on this report of sheets is recorded to	y be used t is include	d, provided (1) ded on each sho		

9. Remarks: This replacement was not the result of an inservice failure. Snubber rebuilt as part of preventive maintenance. Snubber replacement parts/Cert. No.s: load stud (Cert. No. C-OX-1146), hex nut (Cert. No. 2B1291). Performed VT-3 to reestablish PSI baseline, reference NDE Report 1-2.04-99-0205.

. CEI	RTIFICATE (OF COMPLIA	NCE			
We certify that the statements made in trules of the ASME Code, Section XI.	the report are c	orrect and this _	Replacement Repair or Replacement	_ conforms to the		
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	E	xpiration Date <u>NON</u>	VE		
Signed: Signed: Signed:	Mainten s Designee, Title	ance Manager	Date	,19 <u>99</u>		
CERTIFIC	CAȚE OF IN	SERVICE INS	PECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New-York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 9/17/93 to 9/3/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Ir concerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connected	tive measures liable in any	described in this manner for any	Owner's Report. Fur	thermore, neither		
Inspector's Signature	ommissions _	NC 3496 National Be	ルソ <u>2312</u> pard, State, Province, and En	ndorsements		
Date 3/3, 1999						

Owner	Name	wk Power Corp	=		Da Sh	te <u>07/31/99</u> eet <u>1</u> of <u>1</u>	_
2. Plant	Nine Mile Poi Name Lycoming, N	nt 7 13093		Mechanical Mair			
3. Work P	•	ngara Mohawk I Name Box 63, Lycon Address		093 Authoriza	ation No.	ol Stamp	N/A
5. (a) (b)	 5. (a) Applicable Construction Code <u>ASME III</u> 1968 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 S'83 Add. 						
Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSV-01-1021	D Dresser Industries	BT-06130	- N/A	CLASS 1	1979	Replacement	NO
Description		e 1(one) stud or	od 2(two) n	ute in accordance wit	h ASME	Work Plan in	Work
Order 98-03] Pneuma		Nominal Operating I	Pressure	·	
NOTE:				hes, or drawings ma ough 6 on this report			

each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: This replacement was not the result of an insrevice failure. Stud damaged during maintenance. Replacement material: stud (Cert.No. C-91-0894/Ht.no.F3), nuts (Cert.No.C-91-0838/Ht.no.RH85). VT-1 for PSI baseline performed per NDE Report 1-2.04-99-0204. VT-2 per NDE Report 1-2.04-99-0266.

CE	RTIFICATE OF COMPLIA	ANCE				
We certify that the statements made in rules of the ASME Code, Section XI.	Replacement Repair or Replacement					
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	Expiration Date _	NONE			
Signed: Owner Owner	Maintenance Manager's Designee, Title	Date	<u>8·11</u> ,19 <u>99</u>			
CERTIF	CATE OF INSERVICE IN	SPECTION				
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4/28/19 to 8/17/199, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the I concerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connect	ctive measures described in the liable in any manner for ar	nis Owner's Repor	t. Furthermore, neither			
Lynn D andersm (Inspector's Signature	Commissions <u>NB 8496</u> National	NY 28/2 Board, State, Province	, and Endorsements			
Date 8/17, 19 <u>99</u>						

	Owner	Niagara Mohay	wk Power Corp	<u>oration</u>	*	Dat	te <u>08/25/99</u>	
		P.O. Box 63, L	ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poir				Un	it <u> </u>	
		Lycoming, NY	13093		Mechanical Main		WO # 98-0479 on P.O. No., Job No., etc.	<u>91-00</u>
3.	Work Per	formed by Nia	gara Mohawk F	Power Corp.	Type Cod	ie Symbo	ol Stamp	N/A_
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriz	ation No <u>.</u>		N/A
			Address		Expiratio	n Date _		N/A
4.	Identificat	tion of System	Main Steam (S	ystem 01)				3
_	(-) A			CNCC I 104		ا مامسام	VI/A Codo Codo	
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	<u> </u>	52 Edition, N/A Ad	denda, <u>1</u>	<u>MA</u> Code Case	;
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83 S'83 Add.	
6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	:s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	IV-01-04	Atwood Morrill	Unknown -	- N/A	MSIV CLASS I	1969	Replacement	МО
	1							
Pla	an in Work	Order 98-04791 n Work Order, I	-00 and DDC's	1M00632A 1-1999-260	(13)studs, (13) nut 1, 1M00637. Existin 1 for documentation Nominal Operating	g seat wa n of mate	s machined per	· WSI der.
		Pressure 1056	<u>psi</u> Test Te		. •		-IST-LK-101	
	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each sh	

9. Remarks: This replacement was not the result of an inservice failure. Valve retrofit modification performed to enhance performance. Replacement material includes: stem (Cert.No.C-94-0856/Ht.no.94015), poppet (Cert.No.C-94-0855/Ht.no.3438), cover (Cert.No.C-98-1302/Ht.no.207s429), studs (Cert.No.C-99-0580,H138), nuts (Cert.No.C-90-1126/Ht.no.AZ and Cert.No.C-99-0607/Ht.no.S273). VT-1 of new studs per NDE Reports1-2.04-99-0160,0203, VT-1 of new nuts per NDE Reports 1-2.04-99-0160,0164. VT-3 of valve internals per NDE Report 1-2.04-99-0161. VT-2 per NDE Report 1-2.04-99-0266.

· CE	RTIFICATE OF COMPLIANCE					
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the Repair or Replacement					
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE Expiration Date NONE					
Signed:	. Maint. Manager Date 8.25 ,1999 "'s Designee, Title					
CERTIF	ICATE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>A17199</u> to <u>919199</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
concerning the examinations and corre	Inspector nor his employer makes any warranty, expressed or implied, ctive measures described in this Owner's Report. Furthermore, neither e liable in any manner for any personal injury or property damage or ted with this inspection.					
Zynn D Cholusm (Inspector's Signature	Commissions <u>NB 8496 NY 2812</u> National Board, State, Province, and Endorsements					
Date 919, 1999						

-								
I	Owner	Niagara Mohav	vk Power Corp	oration .		Dat	te	
	•	Name	ycoming, NY	<u> </u>			et <u>1</u> of <u>1</u>	
		Addre	55					
2.	Plant	Nine Mile Poir				Un	it1	
		Lycoming, NY			Mechanical Main		WO # 99-0237 on P.O. No., Job No., etc.	<u> 15-07</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.		le Symbo	ol Stamp	N/A_
		, <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093 Authoriza	tion No		N/A
	,		Address		Expiration	n Date _	<u> </u>	N/A
4.	Identificat	tion of System	Reactor Water	Cleanup (S	vstem 33)			
		•				- Addo	nda NI/A Code	Casa
5.	(a) A ₁	pplicable Constr	uction Code A	SA B31.1	19 <u>55</u> Edition, NONI	3_ Adde	nda, <u>IV/A</u> Code	e Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	ments 19	83 Sum.'83 Ad	<u>ld.</u>
6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
	. X	No	Manufactures?	National	Other Identification	Voor	Domained	ASME
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
	PIPING System 33	M.W. Kellogg	N/A	- N/A	CLASS 1 Piping System	1969	Replacement	NO
		•						
-			<u> </u>		'	<u> </u>		
								*
<u>d</u> :	Description of Work: Original 6 inch valve IV-33-01R replaced with new valve due to failed LLRT and damaged internals. Work was completed in accordance with ASME work plan in Work Order 99-02375-07 and DDC 1M00789B. Reference DER 's 1-1999-1363 and 1-1999-1443. WSI performed welding in accordance with approved WSI travelers within W.O. 99-02375-07.							
8.	Tests Con	iducted:						
3	TOSIS COI	Hydrostatic	Pneuma	atic 🔲	Nominal Operating l	Pressure	Other [\boxtimes
		Pressure 1056	<u>psi</u> Test Te	emp. <u>236°</u> F	Test Procee	dure: <u>N1</u>	<u>-IST-LK-101</u>	
	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings ma ough 6 on this repor of sheets is recorded	t is inclu	ded on each she	

9. Remarks: This replacement is not the result of an inservice failure. Valve replaced per Mod. N1-98-007. Valve, (Cert.No.C-99-0687/Serial No. C7712), weld filler material, (insert Cert.No.C-97-1042/Ht.T6834, spool wire Cert.No.C97-1018/Ht.T6834). VT-3 exam of accessible valve internals for PSI baseline per NDE Report No. 1-2.04-99-0230. UT exam of welds for PSI baseline per NDE Report No.s 1-6.24-99-261, 262, 263, 264, 265 and 266. Vt-2 per NDE Report No. 1-2.04-99-0266. Reference DER 1-1999-1622. Final RT exams per NDE Reports 1-5.02-99-0012, 1-5.02-99-0013. WSI NDE exams (PT) per report nos. 39032Crane R/O/IV-33-01R/002 and39032Crane R/O/IV-33-01R/003.

'		
CE	ERTIFICATE OF COMPLI	ANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this	Repair or Replacement conforms to the
Type Code Symbol Stamp	NONE	
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed: Stus Log	Maintenance Manager	Date <u>8.11</u> ,1999
Owier's obowner	- S Designee, True	
	•	
CERTIF	ICATE OF INSERVICE IN	SPECTION
Inspectors and the State or Province Massachusetts have inspected the com to \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	of New York and employ apponents described in this Over of my knowledge and belie	onal Board of Boiler and Pressure Vessel yed by <u>Arkwright Mutual Ins. Co.</u> of wner's Report during the period 5 19 199 of, the Owner has performed examinations accordance with the requirements of the
concerning the examinations and corre	ctive measures described in tl e liable in any manner for ar	akes any warranty, expressed or implied, his Owner's Report. Furthermore, neither by personal injury or property damage or
Inspector's Signature	Commissions <u>NB 8490</u> National	Board, State, Province, and Endorsements
Date 8/17, 1999		

_								
	Owner	Niagara Mohay	wk Power Corp	oration		Dat	te <u>07/07/99</u>	
	OWNER	Name					et <u>1</u> of <u>1</u>	
		Addre		13093		Sile	et <u>1</u> 01 <u>1</u>	•
2.	Plant	Nine Mile Poir	nt			Un	it1	<u></u>
		Lycoming, NY		-	Mechanical M	Saintenance	WO # 98-0209	2-00
		Addre			<u> </u>		on P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Type	Code Symbo	ol Stamp	N/A_
		, <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093 Autho	rization No <u>.</u>		N/A_
			Address		Expira	ation Date _		N/A
4	T.J.,4:6	: C. C	Control Dad D	-i				
4.	Identificat	ion of System	Control Rod Di	nve	ar .			
5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N</u> /	A Addenda	a, <u>1270-N</u> Cod	le Case
	(b) A	onlicable Edition	n of Section XI	Litilized for	Repairs or Repl	acements 19	83 Sum '83 Ad	ď
	(0) 1	ppiicable Edition	i of beetion 7th	Otilized for	repuirs of Repl		05, 0411, 05 110	<u>.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement	Component	s:	
	Name of	Name of	Manufacturer'	National	Other Identificati	on Year	Repaired,	ASME
	Component	Manufacturer	s Serial No.	Board No.	outer identification	Built	Replaced, or	· Code
							Replacement	Stamped (Yes or No)
D	RV-44-1419	General	71-663	- N/A	NC02 CLASSI	1967	Replaced	YES
(CRD 14-19)	Electric			•			
		,						
				·				
		ı				ı		
						<u>. </u>		
D		CWorley Domloo	o Control Dad I	Dairea ssiith a	ebuilt spare as pa	ert of preven	tiva maintanan	.
Re	eplaced CR	D and flange cap	oscrews per AS	ME Work P	Plan in Work Ord	er 98-02092	-00 at core loca	<u>tion 14-19.</u>
	•		•	•				
8.	Tests Cor	- ducted:						
0.	10313 001	Hydrostatic	Pneuma	atic 🔲	Nominal Operati	ng Pressure	Other [\boxtimes
		-					70m 777 101	
		Pressure 1056	psig Test Te	mp. <u>236°</u> I	Test Pro	ocedure: Nl	<u>-IST-LK-101</u>	
V	OTE:	Supplemental .	sheets in form o	of lists, sketo	ches, or drawings	s may be use	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items 1 thr	ough 6 on this re	port is inclu	ded on each sh	eet, and (3)
		each sheet is n	numbered and th	ne number o	of sheets is record	iea ai ine toj	p oj inis jorm.	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance, Serial No. 71-663 replaced by Serial No. 71-639. VT-2 per NDE Report No. 1-2.04-99-0266, Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. Repair or Replacement
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed: Maint. Manager Date 7.27, 1999 Owner's Designee, Title
-
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 7/28/99 to 7/29/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Tyna D dindessam Commissions NB 8496 NY 2912 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/29, 1999

	Owner		wk Power Corp	oration			Dat	e <u>07/29/99</u>	-
,		P.O. Box 63, L Addre	ycoming, NY	13093			She	et <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir				•	Uni	t <u>1</u>	1
		Lycoming, NY Addre	13093		<u>Mech</u>			WO # 98-0209 on P.O. No., Job No., etc.	<u>1-00</u>
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	<u> </u>	Type Cod	le Symbo	ol Stamp	N/A
		· <u>PO</u>	Box 63, Lycom	ning, NY 13	<u>093</u>	Authoriza	ition No <u>.</u>		N/A
			Unners			Expiration	n Date _		N/A_
4.	Identificat	tion of System	Control Rod D	rive					
5.	(a) A	oplicable Constr	nation Code A	CME III 1) 071 Editi	on \$172 A	ddanda	1361-2 Code	Casa
٥,		· -						•	
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs	or Replace	ments 19	83, Sum.'83 Ad	<u>d.</u>
6.	Identification	tion of Compone	ents Repaired or	r Replaced a	and Repla	acement Co	mponent	s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Id	lentification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1	RV-44-1411	General	A3492	- N/A	NC02	CLASS 1	1980	Replaced	YES
_(CRD 14-11)	Electric							
		· ·			r				
L		<u></u>	L	<u> </u>	1		ļ		<u> </u>
De	escription o	f Work: <u>Replac</u> D and flange car	e Control Rod I	Orive with r	ebuilt spa	are as part o	f prevent	tive maintenand	<u>e.</u> tion 14-11
1/2	placeu CR	D and Hange Cap	osciews per Asi	WIL WOIK I	<u>iaii iii vv</u>	ork Order 3	0-02091	-oo at core loca	11011 14-11.
Q	Tests Con	- ducted:				•			
8.	16313 CO	Hydrostatic	Pneuma	atic 🔲	Nominal	Operating I	Pressure	Other [\boxtimes
		Pressure 1056	psig Test Te	mp. <u>236°</u> F	;	Test Procee	lure: <u>N1</u> -	IST-LK-101	
	OTE:	in. x 11 in., (2)	sheets in form o information in umbered and th	items 1 thre	ough 6 oi	n this report	t is includ	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevention maintenance. Serial No. A3492 replaced by Serial No. 71-540, VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD, VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTII	FICATE OF COMPLIANCE
We certify that the statements made in the rerules of the ASME Code, Section XI.	eport are correct and this <u>Replacement</u> conforms to the
Type Code Symbol Stamp NO	NE .
Certificate of Authorization No. NO	NE Expiration Date NONE
Signed: Owner's Owner's Desi	Maintenance Manager Date 7.30,1991
CERTIFICAT	E OF INSERVICE INSPECTION
Inspectors and the State or Province of N Massachusetts have inspected the compone to $\frac{S/2/99}{2}$, and state that to the best of n	ion issued by the National Board of Boiler and Pressure Vessel ew York and employed by Arkwright Mutual Ins. Co. of

Own	1er	Niagara Mol	hawk Power Corp	oration		Dat	te 07/08/99	
D . Own		ы Р.О. Вох 63	Lycoming, NY				eet <u>1</u> of <u>1</u>	
2. Plan		Lycoming, 1	ame		, <u>Mechanical Mai</u>			59 <u>-00</u>
3. Wor	k Perfo	ormed by <u>1</u>	Niagara Mohawk P	ower Corp.	Туре Со	de Symbo	ol Stamp	N/A_
		. <u>F</u>	PO Box 63, Lycom	ing, NY 13	093 Authoriz	ation No <u>.</u>		N/A
			Auucs		Expiration	on Date _	·	N/A
5. (a) (b)	Ap _j	olicable Con	ion of Section XI	SME VIII Utilized for	19 <u>65</u> Edition, <u>N/A</u> Repairs or Replace and Replacement Co	ments 19	83, Sum.'83 Ad	
Name Compo		Name of Manufacture	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DRV-44 (CRD 10		General Electric	71-651	- N/A	NC02 CLASS I	1967	Replaced	YES
		,						
			•					
Replace	ts Cond		Work Plan in Work Pneuma	rk Order 98	ebuilt spare as part -01359-00 at core to Nominal Operating Test Proce	ocation 10 Pressure	<u>)-43.</u>	
NOTE:		Supplemente in. x 11 in.,	al sheets in form o (2) information in	items 1 thre	thes, or drawings mough 6 on this reported	rt is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preven maintenance. Serial No. 71-651 replaced by Serial No. A5311. VT-2 per NDE Report No. 1-2.04-99-0266.

VT-1 ISI exam for existing CRD flange capscrews per NDE Report No. 1-2.04-99-0166.

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.	he
Type Code Symbol Stamp NONE	-
Certificate of Authorization No. NONE Expiration Date NONE	
Signed: Maint. Manager Date 7.17, 1999 Owner's Designee, Title	
,	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vess Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. Massachusetts have inspected the components described in this Owner's Report during the period 7/20/5 to 7/29/94, and state that to the best of my knowledge and belief, the Owner has performed examination and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this inspection.	of 78 ns he d, er
Tynn 19 Orglesson Commissions 1418 18496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements	-
Date 7/29, 1999	

									•
	Owner	Niagara Mohav	wk Power Corp	oration			Dat	e 07/08/99	
		Name						et <u>1</u> of <u>1</u>	
		Addre		13093			Sile	et <u>1</u> 01 <u>1</u>	
2.	Plant	Nine Mile Poir	n t				Uni	· 1	
۷,	riant	Name			36.1			<u> </u>	1 00
		Lycoming, NY Addre			Mecn			<u>WO # 98-0136</u> In P.O. No., Job No., etc.	1-00
2	Wasta Dan	Commend have Nils				True Coa	la Comba	1 Stomm	NT/A
3.	Work Per	• —	gara Mohawk P Name			• •	•	l Stamp	<u>N/A</u>
		. <u>PO</u>	Box 63, Lycom Address	ning, NY 13	<u>093</u>	Authoriza	ation No <u>.</u>		N/A
						Expiratio	n Date _		N/A_
4.	Identifica	ion of System	Control Rad Da	rive					
т.	Identifica	non or bystem	Control Roa D	1140					
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Ed	ition, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	le Case
	(b) A	pplicable Edition	n of Section VI	I Itilized for	- Danaire	or Replace	ments 10	83 Sum 183 A	14
	(<i>0</i>) A	pplicable Edition	ii of Section XI	Offized for	Acpans	or Replace	inches 17	05, <u>54111, 65 A</u>	<u></u>
6.	Identifica	tion of Compone	ents Repaired or	r Replaced a	and Repla	acement Co	mponent	s:	
			i	· ·	1		1		
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Id	lentification	Year Built	Repaired, Replaced, or	ASME · Code
	Component	Manufacturer	S Scriai No.	Doagu 140.			Dune	Replacement	Stamped
<u></u>	777 44 1005		71.562	27/4	27000	OI ACC 1	1067	Deplead	(Yes or No) YES
1	RV-44-1035 CRD 10-35)	General Electric	71-563	- N/A	NC02	CLASS I	1967	Replaced	123
		<i>'</i>							,
				^			ļ		
]				<u> </u>		<u> </u>
D.	intian a	f Work: Replac	a Cantral Rad I	Deivo with e	abuilt and	are as part (sf nravan	tiva maintanana	••
Re	eplaced CR	D and flange car	oscrews per AS	ME Work P	lan in W	ork Order 9	98-01361	-00 at core loca	<u>tion 10-35.</u>
					-				
0	Tests Cor	ب باد مدورات							
8.	l ests Cor	iducted: Hydrostatic	Pneuma	atic 🗍	Nominal	Operating 1	Pressure	Other [\boxtimes
				·····		- P			
		Pressure 1056	psig Test Te	mp <u>. 236 °</u> F	7	Test Proce	dure: <u>N1</u> -	<u>-IST-LK-101</u>	1
7	OTE.	Cumplamantal	sheets in form o	fliste skata	shae ar a	lrawinas m	mi ho uso	d provided (1)	sizo is 8 v
	OTE:		sneeis in jorm c information in						
_			umbered and th						,

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial No. 71-563 replaced by Serial No. 71-729. VT-2 per NDE Report No. 1-2,04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2,04-99-0020.

CE	RTIFICATE O	F COMPLIANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are co	rrect and this Replacement conforms to the
Type Code Symbol Stamp	NONE	
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed: Owner's or Owner	Mant Maner's Designee, Title	Date 7 · 27 ,1999
	•	
CERTIF	CATE OF INS	ERVICE INSPECTION
Inspectors and the State or Province Massachusetts have inspected the com to 7/21/11, and state that to the bes	of New York ponents describe t of my knowled	by the National Board of Boiler and Pressure Vessel and employed by <u>Arkwright Mutual Ins. Co.</u> of ed in this Owner's Report during the period <u>7/20198</u> dge and belief, the Owner has performed examinations r's Report in accordance with the requirements of the
concerning the examinations and corre	ctive measures d e liable in any n	employer makes any warranty, expressed or implied, escribed in this Owner's Report. Furthermore, neither nanner for any personal injury or property damage or pection.
Lynn & Andersm (Inspector's Signature	Commissions <u>/</u>	National Board, State, Province, and Endorsements
Date 7/29, 1999		

C.	Owner		wk Power Corp	oration		Da	te <u>07/07/99</u>	
		P.O. Box 63,	Lycoming, NY	13093		Sh	eet <u>1</u> of <u>1</u>	_
2.	Plant	Nine Mile Po				Un	it1	
		Lycoming, N	Y 13093		Mechanical Mai		WO # 98-0200	01-00
3.	Work Per	formed by <u>Ni</u>	agara Mohawk I	Power Corp.	Туре Со	de Symbo	ol Stamp	N/A
		. <u>PC</u>	Name Box 63, Lycon	ning, NY 13	6093 Authoriz	ation No.		N/A
			Address		Expiration	n Date _		N/A
4.	Identificat	tion of System	Control Rod D	rive				
5.	(a) A ₁	pplicable Const	ruction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a, <u>1270-N</u> Cod	ie Case
	(b) A	oplicable Editic	on of Section XI	Utilized for	Repairs or Replace	ments 19	983. Sum '83 Ac	Id
6.					and Replacement Co			á
			T	T		1	<u> </u>	r
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	RV-44-1031 CRD 10-31)	General Electric	71-373	- N/A	NC02 CLASS 1	1967	Replaced	YES
	· · · · · · · · · · · · · · · · · · ·	;						
			-					
					ebuilt spare as part o			
0	Tests Con	duotodi						
8.	1 c212 C011	Hydrostatic	Pneuma	atic 🔲 🔝	Nominal Operating	Pressure	Other [\boxtimes
		Pressure 1056	<u>ó psig</u> Test Te	mp. <u>236°</u> F	Test Proce	dure: <u>N1</u>	-IST-LK-101	
	TE:	in. x 11 in., (2)) information in	items 1 thro	hes, or drawings mo ough 6 on this repor f sheets is recorded	t is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevention maintenance. Serial No. 71-373 replaced by Serial No. 71-419. VT-2 per NDE Report No. 1-2.04-99-0266.

Replaced eight (8) flange capscrews, Trace/Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	RTIFICATE OF COMI	PLIANCE					
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and	this Replacement conforms to the Repair or Replacement					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed: Owner's or Owner	Munt Manus c 's Designee, Title	Date 7.27 ,1999					
CERTIFI	CATE OF INSERVICE	Z INSPECTIÓN .					
Inspectors and the State or Province Massachusetts have inspected the com to 7/24/44, and state that to the bes	of New York and emp ponents described in this t of my knowledge and b	National Board of Boiler and Pressure Vesser Ployed by <u>Arkwright Mutual Ins. Co.</u> of Owner's Report during the period 7/22/95 relief, the Owner has performed examination t in accordance with the requirements of the					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Jynn id anders C Inspector's Signature	Commissions <u>NB 84</u> Nati	96 NY 2812 ional Board, State, Province, and Endorsements					
Date 7/29, 1999							

-		As required by ti	10 1 10 11310113	of the Abivil Code been	OII 7CL		
Own	Nam	wk Power Corp			Dat She	te <u>07/08/99</u> eet <u>1</u> of <u>1</u>	
	Addr						-
2. Plant	Nine Mile Poi				Un	it1	
	Lycoming, N	7 13093		Mechanical Main		WO # 98-0135	<u>57-00</u>
3. Worl	c Performed by Nis	agara Mohawk F	Power Corp.	. Type Cod	le Symbo	ol Stamp	N/A
2		Name Box 63, Lycon			•		N/A_
		Address			n Date _		N/A
4 7.1	*C	Control Dod D	.	•			
4. Ident	ification of System	Control Roa D	<u>nve</u>			1	
5. (a)	Applicable Const	ruction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	le Case
(b)	Applicable Edition	on of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum.'83 Ad	<u>ld.</u>
6 Ideni	ification of Compon	ents Renaired o	r Replaced a	and Replacement Co	mnonent	s:	
O. Idon		The stopuli of the stopul of t		Topius in the second of the se			·
Name Compor		Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
DRV-44-		71-595	- N/A	NC02 CLASS I	1967	Replaced	YES
, (CRD IC		λ			<u> </u>		
	,						
-			1		<u> </u>		
Descript Replaced	ion of Work: Replace Call CRD and flange call	ce Control Rod I	Drive with r ME Work F	ebuilt spare as part o Plan in Work Order 9	of preven 98-01357	tive maintenand	ce. ution 10-27.
8. Tests	Conducted:						
	Hydrostatic [Pneuma	atic 🔲	Nominal Operating I	Pressure	Other [\boxtimes
	Pressure 105	6 psig Test Te	emp. <u>236 °</u> I	Test Proceed	dure: <u>N1</u>	-IST-LK-101	
VOTE:	in. x 11 in., (2) information in	items 1 thr	ches, or drawings ma ough 6 on this report of sheets is recorded t	t is inclu	ded on each sh	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preven maintenance. Serial No. 71-595 replaced by Serial No. 71-719. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD, VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

					
CE	RTIFICATE	OF COMPLI	ANCE		
We certify that the statements made in rules of the ASME Code, Section XI.	the report are	correct and thi	Replacemen		nforms to the
Type Code Symbol Stamp	NONE				
Certificate of Authorization No.	NONE		Expiration Date	NONE	
Signed:	Marst. Man	0)66	Date	7.27	,19 <u>99</u>
	•-				
CERTIF	ICATE OF IN	SERVICE IN	SPECTION		
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 7/24/99, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of <u>New York</u> nponents descriptions of my knowl	and employ ibed in this Over the control of the con	yed by <u>Arkwrig</u> wner's Report dur ef, the Owner has	tht Mutual ing the peri performed	Ins. Co. of iod 7/20/48 examinations
By signing this certificate neither the longer concerning the examinations and corre the Inspector nor his employer shall be loss of any kind arising from or connections.	ctive measures e liable in any	described in t	his Owner's Repo	ort. Further	more, neither
Lynn & Anderson	Commissions	N	A/Y 2812 I Board, State, Province	ee, and Endorso	ements
Date 7/24, 19 99					

-								
D	Owner	P.O. Box 63, L	wk Power Corp			Dat She	te <u>09/03/99</u> eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir Name Lycoming, NY	nt 13093		Mechanical Main			8-00
3.	Work Per	formed by <u>Nia</u>	gara Mohawk P Name		Type Cod	le Symbo	ol Stamp	
		. <u>PO</u>	Box 63, Lycom Address	iing, NY 13		_		N/A
					Expiration	n Date _		<u>N/A</u>
4.	Identificat	ion of System	Control Rod D	rive				
5.	(a) A ₁	plicable Constr	uction Code <u>A</u>	SME III 1	9 <u>71</u> Edition, <u>S '73</u>	Addenda,	<u>1361-2</u> Code	Case
•	(b) A ₁	onlicable Edition	of Section XI	Utilized for	Repairs or Replace	ments 19	83 S '83 Add.	
		•			- 4			
6.	Identificat	tion of Compone	ents Repaired of	r Replaced a	and Replacement Co	mponent	S:	
D.	Name of Component	· Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
l	RV-44-1011 CRD 10-11)	General Electric	A3500	- N/A ·	NC02 CLASS I	1980	Replaced	NO
,			,					
De Re	placed CR	D and flange cap	e Control Rod I	Drive with r ME Work P	ebuilt spare as part o	of preven 98-01358	tive maintenand -00 at core loca	ce. tion 10-11.
8.	Tests Con	ducted: Hydrostatic	Pneuma	atic 🗌	Nominal Operating l	Pressure	Other [\boxtimes
		Pressure 1056	psig Test Te	mp. <u>236 °</u> F	Test Procee	dure: <u>N1</u>	<u>-IST-LK-101</u>	
	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each she	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. A3500 replaced by Serial No. 7662, VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CE	RTIFICATE OF CO	MPLIANCE	
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct	and this Replacement Repair or Replacement	_ conforms to the
Type Code Symbol Stamp	NONE		
Certificate of Authorization No.	NONE	Expiration Date NON	VE
Signed:Owner's or Owner	Maint. S's Designee, Title	Manager Date 9.7	,19 <u>99</u>
	•		
CERTIFI	CATE OF INSERV	CE INSPECTION	
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the com to 918199, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of <u>New York</u> and ponents described in t of my knowledge an	employed by <u>Arkwright Mu</u> this Owner's Report during the delief, the Owner has perfore	tual Ins. Co. of period 7/20/99
By signing this certificate neither the Inconcerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connect	tive measures describ : liable in any manne	ed in this Owner's Report. Fur for any personal injury or pro	thermore neither
Jynn Daleisn Co	ommissions <u>NC</u>	National Board, State, Province, and En	dorsements
Date <u>9/8</u> , 19 <u>99</u>			

-			1.0 1.0 1.0 0 0 0		or the reside beet				
0,	wner	Niagara Moh	awk Power Corp	oration	,	Da	te <u>07/07/99</u>		
		P.O. Box 63,	Lycoming, NY	13093		Sheet <u>1</u> of <u>1</u>			
0 10	4	*			r r	**	•. •		
2. Pla	ant	Nine Mile Po	ne		,	Un			
		Lycoming, N	Y 13093 ress		Mechanical Main		WO # 98-0210 on P.O. No., Job No., etc.	<u>05-00</u>	
3. W	ork Per	formed by <u>N</u> i	agara Mohawk]	Power Corp	Туре Сос	de Symbo	ol Stamp	N/A	
		. <u>PC</u>	Box 63, Lycon	ning, NY 13	8093 Authoriza	ation No	' 	N/A_	
			Aodress	•	Expiratio	n Date _		N/A_	
4. Id	entificat	ion of System	Control Rod D	rive					
					1065 P.M N/A	A 4.44	- 1070 N. O.	1. 0	
5. (a)	<i>)</i> A]	oplicable Cons	ruction Code A	Sivile VIII	19 <u>65</u> Edition, <u>N/A</u>	Aaaena	a, <u>1270-N</u> Coo	ie Case	
(b)) A ₁	pplicable Edition	on of Section XI	Utilized for	r Repairs or Replace	ments 19	83, Sum.'83 Ac	<u>ld.</u>	
6. Id	entificat	ion of Compor	ents Repaired o	r Replaced a	and Replacement Co	mponent	s:		
	me of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME	
Com	ponent	Manufacturer	s Serial No.	Board No.		Built	Replaced, or Replacement	Code Stamped (Yes or No)	
	44-0623 06-23)	General Electric	71-560	- N/A	NC02 CLASS 1	1967	Replaced	YES	
(CRD)		Electric							
								•	
	·····					<u> </u>		<u> </u>	
					ebuilt spare as part o				
	•				'				
8. Te	sts Con	ducted:							
		Hydrostatic [Pneuma	atic 🔲	Nominal Operating l	Pressure	Other [\boxtimes	
		Pressure 105	<u>6 psig</u> Test Te	mp. <u>236 °</u> F	Test Procee	dure: <u>N1</u> -	-IST-LK-101		
OTE	E:				hes, or drawings ma ough 6 on this report	•			
					f sheets is recorded			ei, una (3)	

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventive maintenance. Serial No. 71-560 replaced by Serial No. 5639. VT-2 per NDE Report No. 1-2.04-99-0266.

Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made rules of the ASME Code, Section XI		correct and this _	Repair or Replacement conforms to the				
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	E	expiration Date <u>NONE</u>				
Signed: Owners or Ow	Mant. Mana ner's Designee, Title	dre	Date <u>7.27</u> ,1999				
	 ;	•					
I, the undersigned, holding a valid of Inspectors and the State or Province Massachusetts have inspected the coto 7/24/44, and state that to the band taken corrective measures described ASME Code, Section XI. By signing this certificate neither the concerning the examinations and countries the Inspector nor his employer shall loss of any kind arising from or contributions.	commission issume of New Yor omponents described in this Ownibed in this Ownibed in this or or rective measured be liable in an ected with this in the commission of the commi	k and employed ribed in this Own ledge and belief, ner's Report in a his employer males described in this manner for any nspection.	ral Board of Boiler and Pressure Vessel of by Arkwright Mutual Ins. Co. of ther's Report during the period 7/29/92 the Owner has performed examinations accordance with the requirements of the exest any warranty, expressed or implied, is Owner's Report. Furthermore, neither a personal injury or property damage or board, State, Province, and Endorsements				

3000									
P	Owner	Niagara Moha	wk Power Corp	<u>oration</u>		Dat	te <u>06/30/99</u>		
		P.O. Box 63, I	ycoming, NY	13093	d	She	eet <u>1</u> of <u>1</u>	-	
2.	Plant	Nine Mile Poi				Un	it <u>1</u>		
	Lycoming, NY 13093 Address Mechanical Maintenance WO # 98-01953-00 Repair Organization P.O. No., Job No., etc.								
3.	Work Per		gara Mohawk F	Passar Carn		_	ol Stamp	Ń/A	
٥.	WOIK FEI	, -	Name Box 63, Lycon			•	or Stamp		
		, 10	Address	<u> </u>				N/A	
	71		, , , , , , , , , , , , , , , , , , ,	•	Zaphuno	Duto	· · · · · · · · · · · · · · · · · · ·		
4.	Identificat	ion of System	Control Rod D	rive					
5.	(a) A ₁	plicable Consti	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	le Case	
	(b) A ₁	oplicable Editio	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum.'83 Ad	<u>ld.</u>	
6.	Identificat	ion of Compon	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:		
			-	1	·	· · ·		1	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1	RV-44-0619	General	71-682	- N/A	NC02 CLASS I	1967	Replaced	YES	
	CRD 06-19)	Electric				,			
				<u></u>		<u> </u>			
					ebuilt spare as part o				
<u>Re</u>	placed CRI	D and flange ca	oscrews per AS	ME Work P	lan in Work Order 9	<u> 98-01953</u>	<u>-00 at core loca</u>	tion 06-19.	
0	Tests Con	- duotodi	,		•				
8.	rests Con	Hydrostatic	Pneuma	atic 🔲	Nominal Operating	Pressure	Other [\boxtimes	
		Pressure 1056	psig Test Te	emp. <u>236°</u> F	Test Proce	dure: <u>N1</u>	<u>-IST-LK-101</u>		
	OTE:	in. x 11 in., (2)) information in	items 1 thre	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each she		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preventmaintenance. Serial No. 71-682 replaced by Serial No. 71-338. VT-2 per Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to rules of the ASME Code, Section XI.							
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	E	Expiration Date <u>NON</u>	E			
Signed:							
				•			
I, the undersigned, holding a valid consistency and the State or Province Massachusetts have inspected the conto 7/24/49, and state that to the beand taken corrective measures describe ASME Code, Section XI. By signing this certificate neither the concerning the examinations and corrective Inspector nor his employer shall be loss of any kind arising from or connections. Date 7/29, 19/99	mmission issue of New York York York Mew York Mes of my know ed in this Own Inspector nor lactive measures the liable in any otted with this in	and employed ibed in this Own ledge and belief, ner's Report in a his employer male described in this manner for any aspection.	al Board of Boiler and by Arkwright Muler's Report during the the Owner has perform accordance with the recovers any warranty, express Owner's Report. Fur personal injury or pro-	tual Ins. Co. of period 7/28/98 ned examinations quirements of the essed or implied, thermore, neither operty damage or			

1	Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>06/30/99</u>			
			vcoming, NY	13093	•	Sh	eet <u>1</u> of <u>1</u>	_		
		Aoon	33							
2.	Plant	Nine Mile Poi				Un	it <u>1</u>			
		Lycoming, NY			Mechanical Mai		WO # 98-0194 on P.O. No., Job No., etc.	<u> 18-00</u>		
	Address Repair Organization F.O. No., 100 No., etc.									
3.	Work Perf	formed by Nia	gara Mohawk I Name	Power Corp.	Type Co	de Symbo	ol Stamp	<u>N/A</u>		
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriz	ation No.	·	N/A		
					Expiration	n Date _		N/A		
4.	Identificat	ion of System	Control Rod D	rive						
_		•			1045 7 111 374		1050) 7 0			
5.	(a) Ap	plicable Constr	uction Code <u>A</u>	SME VIII	19 <u>65</u> Edition, <u>N/A</u>	Addend	a, <u>1270-N</u> Cod	le Case		
	(b) Ap	plicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum.'83 Ad	<u>ld.</u>		
6	Identificat	ion of Compone	ents Renaired o	r Renlaced'a	and Replacement Co	mnonení	·c•			
<u> </u>	<u> </u>					, inponon		r		
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME		
	Component	Manufacturer	s Serial No.	Board No.		Built	Replaced, or Replacement	· Code Stamped		
DE	RV-44-0223	General	71-649	N/A	NC02 CLASS1	1967	Replaced	(Yes'or No) YES		
	RD 02-23)	Electric	/1-049		• NC02 CEASSI	1907	керіасец	1123		
								<u> </u>		
			1							
_	• • •									
					ebuilt spare as part o lan in Work Order 9					
8.	Tests Cond	ducted:								
		Hydrostatic _	Pneuma	atic 🔲 🔃	Nominal Operating	Pressure	Other [\boxtimes		
		December 1050	maio mala ma	0260E	Tank Dua	dumai NII	ICT 101			
		Pressure 1056	psig restre	mp. <u>236°</u> F	1 est Proce	uure: <u>171</u> -	<u>IST-LK-101</u>			
2	TE:			•	hes, or drawings ma	•	-			
			•		ough 6 on this repor f sheets is recorded			et, ana (3)		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of preven maintenance, Serial no. 71-649 replaced by Serial No. 71-596. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct ar	Repair or Replacement conforms to the					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed: Owner Sor Owner	Mant. Munaya	Date 7.27 ,19 <u>99</u>					
<u> </u>							
CERTIFICATE OF INSERVICE INSPECTION							
Inspectors and the State or Province Massachusetts have inspected the conto 7/24/44, and state that to the best	of <u>New York</u> and emponents described in that of my knowledge and	National Board of Boiler and Pressure Vessel mployed by <u>Arkwright Mutual Ins. Co.</u> of his Owner's Report during the period 7/29/18 belief, the Owner has performed examinations out in accordance with the requirements of the					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn 19 Anderson (Inspector's Signature	Commissions <u>NB 8</u>	496 NY 2812 Vational Board, State, Province, and Endorsements					
Date 7/29, 19 <u>99</u>							

_										
	Owner	Niagara Mohay	wk Power Corp	oration			Dat	e <u>06/30/99</u>		
1			vcoming, NY	<u>13093 </u>		Sheet <u>1</u> of <u>1</u>				
2.	Plant	Nine Mile Poir	nt		•		Uni	it <u>1</u>	=	
	Lycoming, NY 13093 Address Mechanical Maintenance WO # 98-01947-00 Repair Organization P.O. No., Job No., etc.									
2										
3,	work Pen	, —	Name Box 63, Lycom			•	•	or Stamp	N/A	
		, <u>FO</u>	Address	iiig, 141_13					N/A	
			,	_	15/	spiratioi	· Date _	· -	<u> </u>	
4.	Identificat	ion of System	Control Rod Di	rive						
5.	(a) Ap	oplicable Constr	uction Code A	SME VIII	19 <u>65</u> Edition	, <u>N/A</u>	Addenda	a, <u>1270-N</u> Cod	le Case	
	(b) Ap	oplicable Editio	n of Section XI	Utilized for	Repairs or F	Replacer	nents 19	83, Sum.'83 Ad	<u>d.</u>	
6	Identificat	ion of Compon	ents Repaired or	r Renlaced a	and Replacen	nent Co	mponent	s:		
<u>.</u>		- Compone	1		1				r	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identif	ication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1	RV-44-0219	General	71-471	- N/A	NC02 CLA	ASSI	1967	Replaced	YES	
(CRD 02-19)	Electric				,				
				ı			÷		•	
Re	Description of Work: Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and flange capscrews per ASME Work Plan in Work Order 98-01947-00 at core location 02-19. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other									
		Pressure 1056	<u>i psig</u> Test Te	mp. <u>236 °</u> I	Tes	t Proced	dure: <u>N1</u>	-IST-LK-101		
	OTE:	in. x 11 in., (2)	sheets in form of information in	items 1 thr	ough 6 on thi	is report	t is inclu	ded on each sh		

9. Remarks: This replacement was not the result of an inservice failure. CRD exchanged as part of prevent maintenance. Serial no. 71-471 replaced by Serial no. 71-336. VT-2 per NDE Report No. 1-2.04-99-0266. Replaced eight (8) flange capscrews, Heat code AFD. VT-1 for PSI per NDE Report No. 1-2.04-99-0020.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are	correct and th	is <u>Replacement</u> Repair or Replacement	conforms to the			
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE		Expiration Date NO	ONE			
Signed:							
		*.					
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 7/24/99, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of <u>New Yor</u> nponents descripted to the second seco	k and emploribed in this Orledge and beli	yed by <u>Arkwright Namer's Report during to the Owner has performed to the Arkwright Name and Arkwright Name and Arkwright Name and Arkwright Name and Arkwright Name and Arkwright Name and Arkwright Name and Arkwright Name and Arkwright Name and Arkwright Name and </u>	Mutual Ins. Co. of the period 7/28/48 formed examinations			
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Jynn W angleisn (Inspector's Signature	Commissions	N 13 8 4 9 6 Nation	NY 2812 al Board, State, Province, and	I Endorsements			
Date 7/29, 19 99							

	Owner	Nat	awk Power Corp			Dat She	te <u>08/01/99</u> eet <u>1</u> of 1	_
			iress					
2. I	Plant	Nine Mile Po				Un	it <u>·1</u>	•
		Lycoming, N		·	Mechanical Main		WO # 98-0197 on P.O. No., Job No., etc.	<u>78-00</u>
3. \	Work Peri	formed by N	iagara Mohawk F	ower Corp.	Type Cod	le Symbo	ol Stamp	N/A
		. <u>P</u> (Name O Box 63, Lycon	ning, NY 13	093 Authoriza	tion No.		N/A
			Address		Expiration	n Date _		N/A
, ,		·	Time! A Data and	(C 40	-			
4. I	Identificat	ion or System	Liquid Poison	System 42.	1)			
5. ((a) Ap	oplicable Cons	truction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, None	_ Addeno	ia, <u>None</u> Code	: Case
((b) A ₁	oplicable Editi	on of Section XI	Utilized for	Repairs or Replace	ments 19	83 S'83 Add.	
·	` '	•						
6. I	[dentificat	ion of Compo	nents Repaired or	r Replaced a	and Replacement Co	mponent	s:	=
	Name of omponent	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
CK.	V-42.1-02	CRANE	N/A	- N/A	CLASS I · VALVE	1966	Replacement	NO
		•						
		f Work: <u>Repla</u> 8-01978-00.	ced center body	assembly of	FCKV-42.1-02 in ac	cordance	with ASME W	ork Plan in
8 -	Tests Con	ducted: -						
0.	rests con	Hydrostatic [Pneuma	atic 🗌	Nominal Operating I	Pressure	Other [\boxtimes
		Pressure 105	<u>66 psi</u> Test Te	mp. <u>236 °</u> F	Test Proceed	dure: <u>N1</u>	<u>-IST-LK-101</u>	
NO	TE:	in. x 11 in., (2) information in	items 1 thr	thes, or drawings ma ough 6 on this report of sheets is recorded t	t is inclu	ded on each sh	

9. Remarks: This replacement was not the result of an inservice failure. Valve internals replaced for preventive maintenance. Replacement materials: body center section (Cert.No. C-97-0294/Ser.No. A7104). VT-2 per NDE Report 1-2.04-99-0266.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.							
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed:	Maintenance Manager	Date <u>& il</u> , 1999					
Owner owner	's Designee, Title						
	•						
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 1116178 to 317199, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn & Cindleson (Inspector's Signature	Commissions <u>NBS496</u> Nations	NY2812 al Board, State, Province, and Endorsements					
Date <u>8/17</u> , 19 <u>99</u>							

0	Owner	Niagara Moha	wk Power Corp	oration		Dat	e 08/05/99	
	- VIII-02	Name	ycoming, NY	. .			eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poi				Uni	it1	
		Lycoming, NY	13093		Mechanical Main		WO # 98-0053 on P.O. No., Job No., etc.	<u> 1-06</u>
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	Type Cod	ie Symbo	ol Stamp	N/A
		,	Name Box 63, Lycom	<u> </u>		-	•	
			Address		Expiratio	n Date _		N/A
4.	Identificat	ion of System	Emergency Co	ndenser (Sy	estem 39)			
		•			9 <u>86</u> Edition, <u>N/A</u>	Adanda	N62-4 Code (7 200
5,		-						
	(b) A ₁	pplicable Editio	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum.'83 Ad	<u>ld.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
D _e	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME · Code Stamped (Yes or No)
	CKV-39-04	Atwood &Morrill Co.	N/A	- N/A	CLASS I VALVE	1992	Replacement	NO
		•	-					
_		_						
	Description of Work: Replace body to bonnet stud and nut in accordance with ASME work plan in Work Order 98-00531-06. Reference DER 1-97-0592.							
8.	8. Tests Conducted: - Hydrostatic Pneumatic Nominal Operating Pressure Other							
	y	Pressure 1056	<u> psig</u> Test Te	mp. <u>236°</u> I	Test Proce	dure: <u>N1</u> -	-IST-LK-101	
No	OTE:	in. x 11 in., (2,) information in	items 1 thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each sh	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an in service failure. Stud replaced as part of preventive maintenance. Material replaced: stud (Cert.No. C-97-0414/Ht.No.52D), nut (Cert.No.C-99-0699/Ht.No.99480). VT-1 of stud performed per NDE Report No.1-2.04-99-0235. VT-2 performed per NDE Report No. 1-2.04-99-0266.

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in rules of the ASME Code, Section XI.	and this	Replacement Repair or Replacement	conforms to the			
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	Exp	oiration Date <u>N</u>	NONE		
Signed: Owner or Owner	Maintenance Ma 's Designee, Title	anager ·.	Date <u> </u>	<u>'11 ,1997 </u>		
CERTIFICATE OF-INSERVICE INSPECTION If, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 5/10/17 to 1/17/191, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or						
Jan Danderson (Inspector's Signature Date <u>8/17</u> , 1999	Commissions <u>Nルタ</u>		NY 2812 d, State, Province, ar	nd Endorsements		

D	Owner	Name	wk Power Corp			Da		
		Addre	zycoming, IN I	13093		Sile	eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poi				Un	it <u>1</u>	
		Lycoming, NY	13093	-	Mechanical N		WO # 99-0290 on P.O. No., Job No., etc.	<u>)1-00</u>
3.	Work Peri	formed by Nia	gara Mohawk P	ower Corp.	Туре	Code Symbo	ol Stamp	N/A_
		. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093 Autho	rization No	E	N/A
			Address		Expira	ation Date _		N/A_
4.	Identificat	ion of System	Reactor Water	Cleanup (S	ystem 37.1)	_		
5.		-			19 <u>55</u> Edition, <u>No</u>	- one Adden	ta None Code	Case
٦.	•	•					,	
Co	(b) A ₁ de Case N ²	•	n of Section XI	Utilized for	Repairs or Repl	acements 19	9 <u>83 S'83 Add. /</u>	1992 Ed.,
	Idontificat	ion of Compon	ants Danaired o	r Danlacad c	and Replacement	Component	ta.	
	Identificat	ion of Compon	citis Nepatred Of			Component		
	Name of Component	Name of Manufacturer	Manufacturer' - s Serial No.	National Board No.	Other Identificati	on Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
R	37.1 X. CLN-UP	M.W. Kellogg	N/A	N/A	* CLASS I Piping System	1969	Replaced	МО
						,		
		R 1-1999-1907 -			ith ASME Work for service induc		rk Order 99-029	<u>1</u> 01-00.
		Hydrostatic [Pneuma	ntic 🔲 📑	Nominal Operati	ng Pressure	Other	\bowtie
		Pressure 1056	psig Test Te	mp. <u>236 °</u> F	Test Pro	ocedure: N1	-2.04-99-0266	
J'O	OTE:	in. x 11 in., (2)) information in	items 1 thre	hes, or drawings ough 6 on this re f sheets is record	port is inclu	ded on each she	

9. Remarks: This replacement was the result of an inservice failure. Replacement materials: pipe (Cert.No.B50), weld filler material ER 316L 3/32, 1/8 (Cert.Nos, C-92-0490/Ht. CT6289 and Cert.No. C-98-0446/Ht. DT7011). PT exam of new welds per NDE Reports (root) 1-3,00-99-0179, final 1-3,00-99-0180. VT-2 per NDE Report 1-2,04-99-0266.

CE	RTIFICATE OF COMPLIA	NCE				
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this _	Replacement conforms to the				
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE E	Expiration Date <u>NONE</u>				
Signed:Owner's od Owner	Maintenance Manager	Date <u>3.11</u> ,19 <u>99</u>				
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 6/7/49 to 4/17/49, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
concerning the examinations and corre	ctive measures described in thi e liable in any manner for any	kes any warranty, expressed or implied, s Owner's Report. Furthermore, neither personal injury or property damage or				
Inspector's Signature	Commissions <u>NB 8496</u> National E	NY 2812_ Board, State, Province, and Endorsements				
Date <u>8/17</u> , 19 <u>99</u>						

D	Owner	Niagara Mohav	-			Dat	te <u>06/08/99</u>	
		P.O. Box 63, L		13093	•	She	eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming NY Addre	13093		Mechanical Mair		WO # 97-0308 on P.O. No., Job No., etc.	<u>86-01</u>
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	Туре Сос	le Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	ation No.		N/A
			Address		Expiratio	n Date _		N/A
4.	Identificat	ion of System	Reactor Instrur	nentation (S	System 36)			
5		•		 -	19 <u>55</u> Edition, <u>NON</u>	E Adde	nda NVA Code	a Casa
5.		-					-	
	(b) A ₁	oplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	36-HS-05	M.W. Kellogg Grinnell	N/A	- N/A	CLASS 1 Hydraulic Snubber	1969	Replacement	NO
		Industries			Hydraune Shubber	<u> </u>		ļ
				,				
Description of Work: Replace snubber in accordance with DDC 1S00215 and ASME work plan in Work Order 97-03086-01. Reference DER 1-1997-0081.								
8.	Tests Con	ducted: -	E					
		Hydrostatic [Pneuma	atic 🔲 📑	Nominal Operating I	Pressure	Other [
		Pressure	_ Test Te	emp.]	F Test Proce	dure: <u>NO</u>	NE	
NO D	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings ma ough 6 on this repor of sheets is recorded	t is inclu	ded on each she	

9. Remarks: This replacement is not the result of an inservice failure. Snubber was replaced as preventive action for DER 1-1997-0081 (original snubber obsolete requiring special order parts to maintain).

Snubber Cert. No. C-20-97, capscrew Cert. No.s C-99-0599. Performed VT-3 to reestablish PSI baseline, reference NDE Report No. 1-2.04-99-0219.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the Repair or Replacement						
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE Expiration Date NONE						
Signed: Maintenance Manager Date 7.30, 1999							
CERTIF	ICATE OF INSERVICE INSPECTION .						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 11/6/98 to 3/3/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Inspector's Signature	Commissions <u>NE 8496 NY 2812</u> National Board, State, Province, and Endorsements						
Date <u>3/3</u> , 19 <u>99</u>	•						

	Owner	Niagara Mohay	wk Power Corp	<u>oration</u>			Dat	e <u>07/23/99</u>	
1		P.O. Box 63, Lycoming, NY 13093 Address					She	eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir	nt				Uni	it1_	
		Lycoming, NY			Mech	anical Main	tenance	WO # 97-0308	35-0 <u>1</u>
		Addre		_		Rep	air Organizatio	on P.O., No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk F	Power Corp.		Type Cod	le Symbo	ol Stamp	N/A_
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	<u>093</u>	Authoriza	tion No <u>.</u>		N/A_
			Address			Expiration	n Date _		N/A
4.	Identificat	ion of System	Reactor Instrur	nentation (S	System 36	5)		•	
		•		·	•				•
5.	(a) A _l	oplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edi	ition, <u>NON</u>	<u>3</u> Addei	nda, <u>N/A</u> Code	e Case
	(b) A ₁	pplicable Edition	n of Section XI	Utilized for	Repairs	or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Repla	acement Co	mponent	s:	
			, 1	1			<u>*</u>		
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Id	lentification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
	36-HS-04	M.W. Kellogg	N/A	- N/A	1	ASS 1	1969	Replacement	МО
		Grinnell Industries			Hydrau	lic Snubber			
		1							
<u> </u>	· · · · · · · · · · · · · · · · · · ·				4				4
}									
<u> </u>		1	·	<u> </u>	<u> </u>	•	l.,	<u> </u>	<u>. </u>
		f Work: <u>Replac</u> Reference DER		cordance wi	th DDC	1S00215 an	d ASME	work plan in V	Vork Order
			1-1997-0081.			Ŋ			
8.	Tests Con	_	7 Pneuma	. ا مند	Mominal	Operating I	Draccura	Other [7
	,	Hydrostatic	_ rneum		LAUIIIIIAI	Operating I	1033016		
		Pressure	_ Test Te	emp	<u>°</u> F	Test Procee	dure: <u>NO</u>	NE	
N.	OTE:	in. x 11 in., (2)	sheets in form of information in umbered and th	items 1 thre	ough 6 o	n this repor	t is inclu	ded on each she	

9. Remarks: This replacement is not the result of an inservice failure. Snubber was replaced as preventive action for DER 1-1997-0081 (original snubber obsolete requiring special order parts to maintain).

Snubber Cert. No. C-20-97, capscrews Cert. No. C-99-0599. Performed VT-3 to reestablish PSI baseline, reference NDE Report No. 1-2.04-99-0213.

CE	RTIFICATE OF COMPLIANC	CE				
We certify that the statements made in rules of the ASME Code, Section XI.	•	Replacement conforms to the				
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE Exp	iration Date <u>NONE</u>				
Signed: Owner's or Owner	Maintenance Manager 's Designee, Title	Date 7.30,19 <u>99</u>				
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 115/92 to 3/3/91, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
inspector's Signature	Commissions <u>NB 8496 A</u> National Board	JY 2812 I, State, Province, and Endorsements				
Date $8/3$, 1999	*					

1.	Owner	Name	Lycoming, NY		Date <u>07/26/97</u> Sheet <u>1</u> of <u>1</u>			
2.	Plant	Nine Mile Poi Name Lycoming, NY Address	7 13093		Unit 1 Mechanical Maintenance WO # 97-01203-00 Repair Organization P.O. No., Job No., etc.			
3.	Work Perf		ngara Mohawk I Name Box 63, Lycon Address			ation No	ol Stamp	N/A N/A N/A
5.	(a) Ap	pplicable Edition	ruction Code <u>A</u>	SME VIII, I	Div 1 19 <u>65</u> Edition Repairs or Replacer and Replacement Co	ments 19	83, Sum. '83 A	
	Name of component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CI	∕IPR-94-01	JOY Mfg. Corp.	80913	N/A	Compressor Intercooler, CLASS 3	1969	Replacement	NO
De: and 092	nut per DO	Work: <u>Replace</u> CR N1-94-001L	ement of one (1 G282, ASME V) existing bo Work Plan, a	olt on the compresso and Work Order No.	<u>r interco</u> 97-0120	oler end cover v 3-00, Ref, DEF	with a stud No. 1-97-
8.	Tests Cond	lucted: Hydrostatic] Pneuma	itic 🗌 . 1	Nominal Operating P	ressure	Other [
yo	TE:	in. x 11 in., (2)	information in	f lists, sketci items 1 thro	PF Test Proced thes, or drawings may ough 6 on this report I sheets is recorded a	y be used is includ	led on each she	size is 8 x et, and (3)

9. Remarks: This replacement was not the result of an inservice failure. Installed as replacement one (1) 3 - 10 UNC hex nut A-194 Gr. 2H and one (1) 3/4" - 10 UNC stud SA-193 Gr. B7 heat code CAH. Reference DER No. 1-97-0926. VT-2 performed per NDE report number 1-2.01-97-0157.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed: Date
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 5/1/97 to 23/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Lynn D anders Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 10/28, 19 98

1. Owne		Power Corporation me	Da	Date March 11.1998					
	Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1 Address								
2. Plant	2. Plant Nine Mile Point Unit 1								
<u>P.O.</u>	Box 63 Lycoming, N Address	ew York 13093		Mech. Maint. Work Order No. 95-03818-00 Repair Organization P.O. No., Job No., etc.					
4. Ident 5. (a) A (b) A ₁	line Mile Point P.O. I Address ification of System <u>Ca</u> pplicable Construction pplicable Edition of Se	gara Mohawk Power Corp Name Box 63 Lycoming N.Y. 13 ondensate Storage and tran n Code ASA B31.1 ection XI Utilized for Repaired or Replaced	993 Au sfer (SYSTE 1955 airs or Replac	Edition, N/A A ements 19 <u>83, Sum.</u>	A A ddenda, n	one Code Case			
NAME OF ONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No		
VLV-57-164	CRANE	RANE N/A .	N/A	CLASS 3	N/A	-REPLACEMENT	NO		
							·		
***************************************						<u> </u>			
95-0381 8. Tests	8-00. Conducted: Iydrostatic □ Pneuma	e valve was removed and reparting Test Temp.	Pressure	dance with an ASME			rdet ——		
11 in.,	(2) information in	ets in form of lists, sket items 1 through 6 on r of sheets is recorded :	this report	is included on eac	d, provid h sheet,	ed (1) size is 8 ½ i and (3) each shee	n. x t is		

FORM NIS-2 (Back) (Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This replacement was not the result of an Inservice failure. The valve, which was originally a Hancock valve, was replaced with a Crane valve. The seat was damaged on the original valve and a one for one replacement is not available. The replacement valve was purchased commercial grade and dedicated. The cert number for the replacement valve is C-97-0129. A VT-2 examination was completed in conjunction with an Inservice test, reference NDE report 1-2.01-97-0159.

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed Maint. MGR. Unit-1 Date 8.7, 1998 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of NEW YORK and employed by ARKWRIGHT MUTUAL INS. of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 12/6/46 to 4/14-195, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions NB8496 NY 2812 National Board, State, Province, and Endorsements
Date 9/14,1998

(12/82)



1. Own	1. Owner Niagara Mohawk Power Corporation Date August 3, 1998								
	Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1 Address 2. Plant Name Nine Mile Point Unit 1								
2. Plan									
<u>P.O.</u>	Box 63 Lycoming, N Address	ew York 13093		<u>Mech. Maint. Wor</u> Repair Organizatio	k Order N n P.O. No	o. 97-01077-00 ., Job No., etc.			
1	Nine Mile Point P.O. Address	gara Mohawk Power Corp Name Box 63 Lycoming N.Y. 13	093 Au	e Code Symbol Stan thorization No. <u>N//</u> Expiration Date <u>N/</u>	-				
5. (a) A (b) A	— applicable Constructio pplicable Edition of S	iesel Generator Cooling Went of the Medical Cooling Went of the Medical Medica	itute B.58.1 airs or Replac	<u>1961</u> Edition, <u>1</u> ements 19 <u>83, Sum.</u>			ase		
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No		
PMP-79-54	PEERLESS PUMP	317891	N/A	77.47 9-14-99 CLASS #1 3	1991	REPLACED	МО		
- 8. Tests F	s Conducted: Hydrostatic □ Pneum Other ■ Pressure_	HE NEEDLE VALVE AI AND IN ACCORDANC atic Nominal Operating Test Temp.	; Pressure □ •F	Test Procedure: N	1-ST-025	(FLOW TEST)			
11 in	(2) information in	ts in form of lists, sket items 1 through 6 on of sheets is recorded	this report	is included on eac	d, provid h sheet,	ed (1) size is 8 ½ and (3) each she	in. x et is		



FORM NIS-2 (Back) (Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This replacement was not the result of an inservice failure. DER 1-97-0497 identified a cracked tube nut, but determined this was not an inservice failure. The cert number for the tube nut is C-97-0283-2 and the cert number for the needle valve is C97-0561-1. There is no inspection report as a flow test was performed per IWA-5244 (a).

CERTIFICATE OF COMPLIANCE

ASME Code, Section XI. repair or replacement repair or replacement
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed Maint. MGR. Unit-1 Date 9:14, 19 98 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of NEW YORK and employed by ARKWRIGHT MUTUAL INS. of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 5/1/47 to 3/1/4/2 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Jan Daylus Commissions NW 8 4 96 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 9/14 ,1998

(12/82)

. Owne		wk Power Corp	oration		Da	te <u>12/07/97</u>	
	P.O. Box 63.	Lycoming, NY	<u>13093</u> .		Sh	eet <u>1</u> of <u>1</u>	.
2. Plant					Un	it1	
	Lycoming, N	Y_13093		Mechanical Main		WO # 97-053	
3. Work	Performed by Ni	agara Mohawk	Power Corp	Type Cod	de Symb	ol Stamp	
	<u>PC</u>	Box 63, Lycor	ning, NY 13	3093 Authoriza	ation No	•	N/A
	•	Address		Expiratio	n Date _		N/A
4. Identi	fication of System	EC Emergenc	y Cooling			,	
5. (a)	Applicable Const	ruction Code A	SA R31 1	19 <u>55</u> Edition, <u>N/A</u>	Addend	N/A Code (⁷ ace
3. (a)	Applicable collst	raction code <u>.A</u>	OA DJ1.1	19 <u>55</u> Edition, <u>IVA</u>	Addelia	a, <u>11/14</u> Code C	Jase
(b)	Applicable Edition	n of Section XI	Utilized for	r Repairs or Replace	ments 19	83, Sum. '83 A	DD.
6. Identi	fication of Compon	ents Pennirad o	r Danlacad (and Replacement Co	mnonani	· 0 ·	
o, luciti	meation of Compon	ents Repaired 0	i Replaceu a	and Replacement Co	mponem	.S.	
Name of Compone	•	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	 Repaired, Replaced, or Replacement 	ASME Code Stamped (Yes or No
39-A2	M.W. Kellogg Co.	N/A	N/A	Class 1 Piping Support	1969	Replacement	ЙО
		<u>.</u>					
		<u> </u>					<u> </u>
Drilled ho	oles in existing 39-A	2 support mem	ber for mou	s to existing Class 1 s	tion supp	orts. Work per	rformed per
0080.	ork Plan and w.O.	140, 97-03300-2	s and DDC	No.1S00241. Refer	ence DE	KS_1-98-0076	and 1-98-
8. Tests	Conducted: Hydrostatic	Pneuma	atic 🔲 📑	Nominal Operating F	ressure	Other [
	Pressure	_ Test Te	mp	F Test Proced	lure: <u>N/A</u>	·,	
оте:	in. x 11 in., (2)	information in	items I thro	hes, or drawings ma ough 6 on this report	is includ	led on each she	size is 8 x eet, and (3)

9. Remarks: This replacement is not part of a service failure. Installed (per DDC No. 1S00241), by welding instrumentation supports 39-A2-b & c. Heat number for weld material is 76970 and cert. number is C-96-0214. Drilled four (4) 5/16" holes in existing 39-A2 support member for installation of instrumentation supports per DDC No. 1S00241. Two (2) holes unused reference DDC No. 1S00253 and DER's 1-98-0076 and 1-98-0080. VT-3 performed to re-establish PSI baseline per NDE report numbers 1-2.01-97-0170 (for welding) and 1-2.01-98-0003 (for drilled holes, See W.O. No. 98-00611-00 for inspection).

Cı	ERTIFICATE OF	COMPLIAN	ICE	
We certify that the statements made in rules of the ASME Code, Section XI.	the report are corr	ect and this	Replacement Repair or Replacement	conforms to the
Type Code Symbol Stamp	NONE			
Certificate of Authorization No.	NONE	Ex	xpiration Date <u>NO</u>	NE
Signed:	Masar.	MGC. UNIT	/ Date 10 · 25	8·,19 <u>98</u> ·
	,			
CERTIF	ICATE OF INSE	RVICE INSP	PECTION	
I, the undersigned, holding a valid co Inspectors and the State or Province Massachusetts have inspected the cort to 10/28/98, and state that to the be and taken corrective measures describ ASME Code, Section XI.	of New York and an an an an an an an an an an an an an	nd employed in this Owne e and belief, t	by <u>Arkwright M</u> er's Report during the the Owner has perfor	utual Ins. Co. of e period 11/30/97 rmed examinations
By signing this certificate neither the concerning the examinations and corrette Inspector nor his employer shall bloss of any kind arising from or connections.	ective measures des se liable in any ma	cribed in this nner for any	Owner's Report. Fu	irthermore, neither
Lynn D Cheleron Inspector's Signature	Commissions <u>とりと</u>	3 84 3 6 National Bo	NY 2812 ard, State, Province, and E	Indorsements
Date 10/28 19 98	•			

	Owner	Niagara Moha	wk Power Corp	oration		Ι	Date <u>02/25/99</u>		
_		P.O. Box 63, I	vcoming, NY	13093		S	Sheet <u>1</u> of <u>1</u>	 ,	
2.	Plant	Nine Mile Point Name				Unit 1 Chanical Maintenance WO # 99-00895-00 Repair Organization P.O. No., Job No., etc.			
3.	Work Per	formed by Nia	gara Mohawk I	Power Corn	Tyn		abol Stamp	N/A	
٠.	.,	•	Name Box 63, Lycon			•	lo		
			Address						
4.	Identificat	ion of System	39 EMERGEN	CY COND					
		-			-	***		_	
5.	(a) A _I	oplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, <u>1</u>	N/A Adden	nda, <u>N/A</u> Code (Case	
	(b) A ₁	oplicable Edition	n of Section XI	Utilized for	Repairs or Rep	placements	19 <u>83, Sum. '83 A</u>	DD.	
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacemen	nt Compone	ents:		
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identifies	ition Year Built	1	ASME Code Stamped (Yes or No)	
H	ITX-60-46	FOSTER- WHEELER	49.595	- 2314	CLASS 2 Portion System	on of 1966	Replacement	NO	
		•		•					
Description of Work: This NIS-2 is to serve as a corrected copy for the original. Work Order 99-00895-00 to perform previously omitted non-destructive examinations on welds (See remarks). Reference DER 1-99-0460. NIS-2 for installation and Testing see original dated 08/27/98 for Work Order 97-04629-29 and Sub-work orders 97-04629-11,26,28,30, and 32.									
8.	Tests Cond	ducted: Hydrostatic] Pneuma	itic 🔲 🛘 1	Nominal Opera	ting Pressur	e Other [
A		Pressure <u>N/A</u>	Test Temp. <u>N//</u>	<u>1 °</u> F	Test Procedur	·e:			
NO.	TE:	Supplemental s in. x 11 in., (2) each sheet is n	information in	items 1 thro	ough 6 on this r	eport is incl	sed, provided (1) luded on each she op of this form.	size is 8 x eet, and (3)	

9. Remarks: This NIS-2 is to serve as a corrected copy to the original (Attached). This documents the performance of previously omitted non-destructive examinations (NDE) per Work Order No. 99-00895-00 to Emergency Condenser 111. NDE preformed on weld no. 60-46-WD-001C1 - NDE Report No.s 1-6.21-99-0006, 1-6.21-99-0008, & 1-6.21-99-0009 for U.T.s and 1-3.00-99-0007 for P.T., weld no. 60-46-WD-006C1 - NDE Report No.s 1-6.21-99-0007, & 1-6.21-99-00011 for U.T.s and 1-3.00-99-0008 for P.T., weld no. 60-46-WD-005C1 - NDE Report No.s 1-6.21-99-0004 & 1-6.21-99-0002 for U.T.s, and weld no. 60-46-WD-002C1 - NDE Report No.s 1-6.21-99-0003 & 1-6.21-99-0001 for U.T.s. NDE preformed on welds no. 60-46-WD-001C1, 60-46-WD-006C1, 60-46-WD-005C1 and 60-46-WD-002C1 - NDE Report No.1-6.21-99-0010 for U.T.. There was no additional surface examination (P.T.) required on welds 60-46WD-005C1 and 60-46WD-002C1. Reference DER No. 1-99-0460.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the						
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE Expiration Date NONE						
Signed:Owner's or Owner	r's Désignee, Title Date 2 · 26 ,1999						

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period 2/26/19 to 2/26/19 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Lynn 19 anderson Commissions	NB 8496 NY 2812
Inspector's Signature	National Board, State, Province, and Endorsements
Date 2/26 . 19 99	

A			_	_		_		
	_Owner	Niagara Mohav	vk Power Corpo	oration		Dat	e <u>07/23/99</u>	
		P.O. Box 63, L	ycoming, NY	13093		She	et <u>1</u> of <u>1</u>	
	•	Aunc	••					•
2.	Plant	Nine Mile Poin	ıt			Uni	t1	
		Lycoming, NY			Mechanical Main		WO # 98-0494	1-02
				Q	· \$	-		
3.	Work Per	formed by Nia	gara Mohawk P Name	ower Corp.	Type Cod	e Symbo	l Stamp	<u>N/A</u>
ı		. <u>PO</u>	Box 63, Lycom	ing, NY 13	093 Authoriza	tion No <u>.</u>		<u>N/A</u>
			Vontess		Expiration	n Date _		N/A
4	Idontifica	tion of System	Emergency Co	olina (Systa	m 30)			
4.		-	-			*		
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, NONE	Addei Addei	nda, <u>N/A</u> Code	e Case
	· (b) A	nnligable Edition	n of Section VI	Titilized for	Repairs or Replacer	ments 19	83 Sum '83 A	dd
	(b) A	pplicable Edition	I of Section XI	Othized for	*	nents 12	<u>05, 6411. 05 71.</u>	<u></u>
6.	Identifica	tion of Compone	ents Repaired or	Replaced a	and Replacement Co	mponent	s:	
		Т				7/	Dougland	ACME
y	Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME · Code
	•				:		Replacement	Stamped (Yes or No)
\vdash	39-HS-05	M.W. Kellogg	N/A	- N/A	CLASS 2	1969	Replacement	NO
	07 113 00	Grinnell		•	Pipe Support		-	
-		Industries		1				
			·					
				<u> </u>				
						1	λ	
L			<u> </u>	<u> </u>		<u> </u>	<u>!</u>	1
D	escription o	f Work: Replac	e snubber with	new one in	accordance with DD	C 1S003	32 and ASME	work plan
<u>in</u>	work order	<u>· 98-04941-02. F</u>	Reference DER	<u>1-1999-257</u>	9 for parts replaceme	ent witho	out documentati	on.
8.	. Tests Cor	nducted: -						
		Hydrostatic [Pneuma	atic 🔲 📑	Nominal Operating I	Pressure	Other [
		.	m 4 m		OF Task Dasses	dura NIO	ANTE	
		Pressure	_ Test Te	mp	• F Test Proced	uure: <u>INC</u>	INE	
Ν	OTE:	Supplemental	sheets in form o	of lists, sketo	ches, or drawings ma	ry be use	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items 1 thre	ough 6 on this report	t is inclu	ded on each sh	eet, and (3)
		each sheet is n	numbered and th	ie number o	f sheets is recorded	ai ine 10]	o of inis form.	

9. Remarks: This replacement is not the result of an inservice failure. New snubber installed per DDC 1S00332. Replacement materials: cylinder (Cert.No. C-20-97), pivot mount (Cert.No. C-97-0319), Performed VT-3 to reestablish PSI baseline, reference NDE Report No. 1-2,04-99-0007.

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp NONE Certificate of Authorization No. NONE Maint. Manager Date 8:25,1999 Owner's or Owner's Designce, Title						
Certificate of Authorization No. NONE Expiration Date NONE						
· · · · · · · · · · · · · · · · · · ·						
Signed: Date 8.2S, 1999 Owner's or Owner's Designce, Title						
·						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 1/29/49 to 9/10/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
Inspector's Signature Commissions NB8496 NY 2812 National Board, State, Province, and Endorsements Date 9/10, 19 99						

	Owner	Niagara Mohay	vk Power Corpo	oration		Dat	e <u>07/23/99</u>	
		P.O. Box 63, L				She	et <u>1</u> of <u>1</u>	
		Addre		<u> </u>				
2.	Plant	Nine Mile Poir				Uni	it1	
		Lycoming, NY	13093		Mechanical Main			<u>7-00</u>
		Addre	35		·	_	on P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk P Name	ower Corp.	Type Cod	e Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycom	ing, NY 13	093 Authoriza	tion No <u>.</u>		<u> N/A</u>
			•••		Expiration	n Date _		<u>N/A</u>
4.	Identificat	ion of System	Emergency Cor	ndenser(Sys	stem 39)			
		•	- '			A ddamda	NI/A Codo C	000
5.	(a) A ₁	oplicable Constr	uction Code A	SA B31,1	19 <u>55</u> Edition, <u>N/A</u>	Addenda	i, <u>IV/A</u> Code C	ase
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83, Sum. 83 Ad	<u>ld.</u>
6.	Identificat	tion of Compone	ents Repaired or	Replaced a	and Replacement Co	mponent	s:	
_			· · · · · · · · · · · · · · · · · · ·		•	<u> </u>		·
5	Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME Code
] `	component	1vianoracia ci	b bottut ktor	200201101			Replacement	Stamped (Yes or No)
-	39-HS-27	Bergan	NONE	- N/A	Class 2	1969	Replacement	NO NO
		Patterson		•	Pipe Support			
-		•			•			
					ı			1
					,			
De	escription o	f Work: Rebuild	d hydraulic snul	ber using r	eplacement parts in a	accordan	ce with ASME	work plan
<u>in</u>	Work Orde	er 98-04947-00 a	and procedure N	11-MMP-G	EN-350.			
8.	Tests Cor	iducted: -		•				
		Hydrostatic [Pneuma	atic 🔲 📑	Nominal Operating I	ressure	Other [
		Pressure	Test Te	mp	° F Test Proced	iure: NC	NE	
		-		•				
N	OTE:	Supplemental .	sheets in form of	of lists, sketc items 1 thr	ches, or drawings ma ough 6 on this report	ry be use t is inclu	a, provided (1) ded on each she	size is 8 x eet, and (3)
.5		each sheet is n	numbered and th	ne number o	of sheets is recorded	at the to	p of this form.	· · · · · · · · · · · · · · · · · · ·

9. Remarks: This replacement was not the result of an inservice failure. Replaced cylinder tie rod and nut. Cert No.s for both items C-OX-0810. Performed VT-3 to reestablish baseline, reference NDE Report No. 1-2.04-99-0010.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this	Replacement conforms to the						
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE Ex	piration Date <u>NONE</u>						
Signed: Owner's or Owner	Date <u>7⋅30</u> ,19 <u>99</u>							
	-							
CERTIFICATE OF INSERVICE INSPECTION								
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 3/2/99 to 8/3/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.								
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature	Commissions <u>NB 8496</u> National Boa	MY 2812_ ard, State, Province, and Endorsements						
Date <u>8/3</u> , 19 <u>99</u>	•							

$\overline{}$						*****		
5	Owner	Niagara Moha	wk Power Corp	oration		Dat	te <u>08/21/99</u>	
	OWNER	Namo						
	•	P.O. BOX 63, L Addre	vcoming, NY	13093_		Sne	eet <u>1</u> of <u>1</u>	•
•	Plant	Nine Mile Poir				Un	it ·1	
2.	Fiant	Name						
		Lycoming, NY			Mechanical Main		WO # 99-0173 on P.O. No., Job No., etc.	1-00 *
•	*** 1 75			· · · · · · · · · · · · · · · · · · ·	T C- 4	- Camaba	-1 C4	N/A
3.	Work Per	•	gara Mohawk P Name			•	ol Stamp	
		. <u>PO</u>	Box 63, Lycom	ing, NY 13	093 Authoriza	tion No <u>.</u>		N/A_
	•				Expiration	n Date _		N/A
4.	Identificat	tion of System	Core Spray (Sy	stem 40 1)				
-1.	Identificat	non or bystom	<u> </u>	0.0.1.				
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	SME III 1	9 <u>77</u> Edition, <u>S '79</u> A	Addenda,	, <u>N/A</u> Code Ca	ise
	(b) A	policable Editio	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83. S'83 Add. C	Code Case
N-	416-1	ppiiouoio Editio	ii or beenen 711	Ottinzog 101	· ropulls of replace.		,	
_	* 1		4 D	· D 1 1 -				
6.	Identificat	tion of Compone	ents Repaired of	Replaced a	and Replacement Co	mponent	S;	
	Name of	Name of	Manufacturer' -	National	Other Identification	Year	Repaired,	· ASME
	Component	Manufacturer	s Serial No.	Board No.		Built	Replaced, or	Code
]	-			Replacement	Stamped (Yes or No)
	CKV-40-22	Rockwell	AZ640	N/A	· CLASS 2	1981	Replacement	NO
		International		,			·	
Ì					ŕ			
					•	ı	e .	
						1	1 1 A CD	CC 3371-
D _i	escription o an in Work	f Work: <u>Replac</u> Order 99-01731	<u>e valve internal</u> I-03 Valve cov	<u>s and seal w</u> er seal weld	veld cap, * Valve into was removed and n	ernais rej ew seal v	<u>piaced per ASN</u> weld made after	new
		alled per ASME						
8.	Tests Con	_	7 Pneuma	utio 🗀	Nominal Operating I	Praggura	Other [\overline{A}
		Hydrostatic _	_ rneuma	::::C []	rammar Operaning i	1633416	LL Cinei [_ ¥
		Pressure 150	<u>psig</u> Test Te	mp. <u>N/A°</u>	F Test Procee	dure: <u>N1</u>	<u>-IST-GEN-FUN</u>	<u> 1-ATT 4D</u>
19.	ome	G		.f.l:_414	du	a. ha	d myouidad (1)	ciaa ic 9 v
1 V	OTE:	in x 11 in 12	sneets in form () information in	oj iisis, skeid items 1 thr	ches, or drawings ma ough 6 on this report	y oe use t is inclu	u, proviaea (1) ded on each shi	size is o x eet, and (3)
		each sheet is n	numbered and th	ne number o	of sheets is recorded	at the to	p of this form.	, (2)

9. Remarks: This replacement was not the result of an inservice failure. Valve refurbished due to poor performance. Replacement materials include: disc (Cert.No. C-99-0751/Ht.no.L-84), spring (Cert.No. C-99-0751/Ht.no.A6146H), cover (Cert.No. C-99-0751/Ht.no.12378.21), weld filler material ER316L (Cert.No. C-92-0490/Ht.no.CT6289), PT exam of welding per NDE Report 1-3.00-99-0168. VT-2 exam per NDE Report 1-2.04-99-0274.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and thi	s <u>Replacement</u> conforms to the					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed:	Maint. Manager	Date <u>6.25</u> ,1999					
Owner ser Owner	r's Designee, Title						
CERTIF	icate of inservice in	NSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4/22/19/ to 9/24/19, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Jynn W Cloderson Inspector's Signature	Commissions <u>NB 8496</u> Nations	NY 2812 al Board, State, Province, and Endorsements					
Date 8 26 . 19 99							

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

							-	
Ũ.	Owner	Niagara Mohav	wk Power Corp	oration		Dat	te <u>08/21/99</u>	
		•	ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY Addre	13093		Mechanical Mair		WO # 99-0172 on P.O. No., Job No., etc.	21-00 *
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	Туре Сос	de Symbo	ol Stamp	N/A
		, PO	Name Box 63, Lycom	ning, NY 13	093 Authoriza	ation No <u>.</u>	-	N/A
		<u></u>	Address					
					•	_		
4.	Identificat	ion of System	Core Spray (Sy	stem 40.1)				
5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SME III 1	9 <u>77</u> Edition, <u>S'79</u> A	Addenda,	N/A Code Ca	se
	(b) A ₁	nnlicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments-19	83 S'83 Add. C	ode Case
<u>N-</u>	416-1	pphonoio Dunio	i or byonon 72	Cuilled 101	Tropuns of Iropinos		00 0 00 1100, 0	<u> </u>
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
	Name of Component	Name of Manufacturer	Manufacturer' - s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	CKV-40-23	Rockwell International	AZ641	N/A	CLASS 2	1981	Replacement	NO
						æ		
Pla	an in Work	f Work: <u>Replac</u> Order 99-01721 Illed per ASME	-02. Valve cov	<u>er seal weld</u>	veld cap. * Valve int was removed and n 99-01721-00.	ernals re ew seal v	placed per ASM weld made after	IE Work
8.	Tests Con	ducted:						
		Hydrostatic	Pneuma	atic 🗌	Nominal Operating	Pressure	Other	\bowtie
		Pressure 150	<u>osi</u> Test Te	mp. <u>N/A°</u>	F Test Proce	dure: <u>N1</u>	<u>-IST-GEN-FUR</u>	N-ATT 4D
NO	OTE:	in. x 11 in., (2)	information in	items 1 thr	ches, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each she	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. Valve refurbished due to poor performance. Replacement materials include; disc (Cert.No. C-99-0751/Ht.no.L-82), spring (Cert.No. C-99-0751/Ht.no.A6146H), cover (Cert.No. C-99-0751/Ht.no.12378-20), weld filler material ER 316L (Cert.No. C-92-0490/Ht.no.CT6289). PT exam of welding per NDE Report 1-3.00-99-0169. VT-2 exam per NDE Report 1-2.04-99-0274.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.							
Type Code Symbol Stamp NONE							
Certificate of Authorization No. NONE Expiration Date NONE							
Signed: Maint. Manager Date \$. 25 ,1999 Owner's or Owner's Designee, Title .							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4/22/99 to 4/26/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Tynn D director's Signature Commissions NB 3496 NY 2812 National Board, State, Province, and Endorsements Date 8/26, 1999							

D	Owner	Niagara Mohay	vk Power Corp	oration		Da	te <u>07/29/99</u>		
		P.O. Box 63, Lycoming, NY 13093 Sheet 1 of 1							
2.	Plant	Nine Mile Point Unit 1							
		Lycoming, NY Addre			Mechanical Main		WO # 99-0039 on P.O. No., Job No., etc.	<u>3-00</u>	
3.	Work Per	formed by <u>Nia</u>	gara Mohawk P	ower Corp.	Type Cod	le Symbo	ol Stamp	N/A	
		<u>PO</u>	Box 63, Lycom	ing, NY 13	093 Authoriza	ation No.		N/A	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Expiratio	n Date _	<u> </u>	N/A	
4.	Identificat	tion of System	Condensate Tra	ansfer (Syst	em 58.1)				
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, <u>N/A</u>	Addenda	a, <u>N/A</u> Code C	ase	
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	983. Sum.'83 Ad	d.	
		•			•				
6.	Identifica	tion of Compone	ents Repaired of	Replaced a	and Replacement Co	mponent	:S: 		
D	Name of Component	Name of Manufacturer	Manufacturer's s Scrial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
	FLANGE- 58.1-07	M.W. Kellogg	N/A	- N/A	CLASS 2	1969	Replacement	NO	
		•							
	escription o	f Work: Replace	e flange studs a	nd nuts in a	ccordance with ASN	Æ work	plan in Work C	order 99-	
8.	Tests Con	ducted: -							
		Hydrostatic _	Pneuma	ntic 🔲	Nominal Operating	Pressure	Other [\boxtimes	
		Pressure 35 Ps	SI Test Te	mp. <u>N/A°</u> l	F Test Proce	dure: <u>N/</u>	<u>A</u>		
D ^N	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x 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.								

9. Remarks: This replacement was not the result of an inservice failure. Spectacle flange studs and nuts were replaced as part of preventive maintenance. Items replaced: eight studs(Cert.No.X5A00421/Ht.No.B23332), sixteen (16) nuts (Cert.No. C-98-0623/Ht.No. 8077124). VT-2 performed per NDE Report No. 1-2.04-99-0271.

CE	RTIFICATE	OF COMPLIAN	CE					
We certify that the statements made in rules of the ASME Code, Section XI.	the report are o	correct and this	Replacement conforms to the					
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	Ex	piration Date <u>NONE</u>					
Signed:	Mainte 's Designee, Title	nance Manager	Date 7.30 .,1999					
CERTIFI	CATE OF IN	SERVICE INSP	ECTION					
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the com to $3/2/99$, and state that to the bes and taken corrective measures describe ASME Code, Section XI.	of <u>New York</u> ponents describ t of my knowle	_ and employed bed in this Owner edge and belief, the	by <u>Arkwright Mutual Ins. Co.</u> of 's Report during the period <u>2 19 199</u> ne Owner has performed examinations					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature	Commissions <u>/</u>	UBS496 National Boa	ルソ 2812_rd, State, Province, and Endorsements					
Date <u>\$ 2</u> , 19 <u>99</u>								

D	Owner	P.O. Box 63, L	wk Power Corpo			Dat She	te <u>07/23/99</u> eet <u>1</u> of <u>1</u>	. `			
2.	Plant	Nine Mile Poir Name Lycoming, NY Addre	13093		Mechanical Main			27-03			
3.	Work Per	formed by Nia	gara Mohawk P Name Box 63, Lycom Address		Type Cod	e Symbo	ol Stamp	N/A N/A N/A			
4.5.6.	5. (a) Applicable Construction Code <u>ASA B31.1</u> 1955 Edition, <u>NONE</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. '83 Add.										
0	Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code - Stamped (Yes or No)			
	80-H82	M.W. Kellogg	N/A	- N/A ·	CLASS 2 - Pipe Support	1969	Replacement	ИО			
		,			,						
an	Description of Work: Fabricate and install new items for support 80-H82 in accordance with DDC 1S00344 and ASME work plan in Work Order 99-00927-03. Reference DER 1-1999-0484. 8. Tests Conducted: - Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Test Temp. F Test Procedure: NONE										
N	OTE:	Pressure °F Test Procedure: NONE Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x 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.									

9. Remarks: This replacement is not the result of an inservice failure. New items installed per design change: plate (Cert. No. C-98-1098/HT. No. U-925), bolts (Cert. No. C-91-0768/HT. No.8097696), nuts (Cert. No. C-95-0272/HT. No. Y334350). Performed VT-3 exam to reestablish PSI baseline, reference NDE Report No. 1-2.04-99-0011,

С	ERTIFICAT	E OF COMPLIAN	CE	
We certify that the statements made in rules of the ASME Code, Section XI.	n the report ar	e correct and this	Replacement conforms	to the
Type Code Symbol Stamp	<u>NO`</u>			
Certificate of Authorization No.	NONE	Ex	piration Date <u>NONE</u>	
Signed:Owner's or Owner	Maint er's Designee, Tit	enance Manager le	Date <u>7 · 30</u> ,19	<u>95</u>
CERTIE	TICATE OF I	NSERVICE INSP.	ECTION	
I, the undersigned, holding a valid consistency and the State or Province Massachusetts have inspected the conto $\frac{8 2 qq}{}$, and state that to the beand taken corrective measures described ASME Code, Section XI.	of <u>New You</u> mponents desc est of my know	<u>rk</u> and employed cribed in this Owner vledge and belief, tl	by Arkwright Mutual Ins. (r's Report during the period $\geq /$ he Owner has performed examin	Co. of 3/99 ations
By signing this certificate neither the concerning the examinations and correct the Inspector nor his employer shall bloss of any kind arising from or connections.	ective measure se liable in an	es described in this (y manner for any p	Owner's Report. Furthermore n	either
· -	•			
Zynn D Challerson Inspector's Signature	Commissions	NB 8496 National Boa	Nソ 2812 rd, State, Province, and Endorsements	
Date <u>8/2</u> , 19 <u>99</u>				

-										
	Owner	Niagara Mohav	vk Power Corp	oration		Dat	e <u>07/23/99</u>			
		P.O. Box 63, Lycoming, NY 13093 Address Sheet 1 of 1								
	75.					T 7 . '				
2.	Plant	Nine Mile Poir				Un	it <u>1</u>			
		Lycoming, NY			Mechanical Main		WO # 99-0092 on P.O. No., Job No., etc.	<u> </u>		
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Type Cod	e Symbo	ol Stamp	_N/A		
		<u>PO</u>	Name Box 63, Lycom	ing, NY 13	093 Authoriza	tion No <u>.</u>		N/A_		
			Address		Expiration	n Date _		N/A		
4.	Identifica	tion of System	Containment S	nray (Syste	n 80)					
٦.	identifica	non of System	Contaminent 5	pray (Gyster	11 00)					
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SA B31.1_	19 <u>55</u> Edition, <u>NONE</u>	Adde	nda, <u>N/A</u> Code	e Case		
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83, Sum. '83 A	<u>dd.</u>		
'_	T.J4161	· · · · · · · · · · · · · · · · · · ·	uta Danainad a	- Dominos H	and Donlogomont Co.	mnanan	01			
6.	Identifica	non of Compone	ents Repaired of	Replaced a	and Replacement Co	пропеш	S.			
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)		
	80-H86	M.W. Kellogg	N/A	- N/A	CLASS 2 Pipe Support	1969	Replacement	ИО		
		·								
					_		•			
<u>an</u>	Description of Work: Fabricate and install new items for support 80-H86 in accordance with DDC 1S00344 and ASME work plan in Work Order 99-00927-00. Reference DER 1-1999-0484. 8. Tests Conducted: - Hydrostatic Pneumatic Nominal Operating Pressure Other									
		Pressure	_ Test Te	mp	°_F Test Proced	iure: <u>NC</u>	NE			
N	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings ma ough 6 on this report of sheets is recorded	t is inclu	ded on each she	size is 8 x eet, and (3)		

9. Remarks: This replacement was not the result of an inservice failure. New items installed per design change: angle (Cert. No. C-99-0098/HT.No.JB0228), plate (Cert.No. C-98-1098/HT.No. U925), bolts (Cert.No. X5A00116/HT.NO. ASI), nuts (Cert.No. C-99-0020 HT.NO.8868157), weld material E7108 (Cert. No. C-96-0214/HT. No. 76970). Performed VT-3 exam to reestablish PSI baseline reference NDE Report No. 1-2.04-99-0113.

	-						
CE	RTIFICATE OF COMPL	JANCE					
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and th	is Replacement conforms to the					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date <u>NONE</u>					
Signed: 2257 Owner's or Owner	Maintenance Manager's Designee, Title	er Date 7:30 ,1999					
	•						
CERTIF	CATE OF INSERVICE II	NSPECTION					
Inspectors and the State or Province Massachusetts have inspected the come to $\frac{8/2}{9}$, and state that to the bes	of New York and emplo ponents described in this O at of my knowledge and beli	ional Board of Boiler and Pressure Vessel yed by Arkwright Mutual Ins. Co. of wner's Report during the period 3/3/99 ef, the Owner has performed examinations accordance with the requirements of the					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Inspector's Signature	Commissions <u>N 13 B 4-9</u> Nationa	6 NY 2812 Il Board, State, Province, and Endorsements					
Date 8/2 1999							

D	Owner	Name	wk Power Corports yeoming, NY	-		Dar She	te <u>07/23/99</u> eet <u>1</u> of <u>1</u>			
2.	Plant	Nine Mile Poir	nt			Un	it <u> </u>			
	Lycoming, NY 13093 Mechanical Maintenance WO # 99-00927-0									
		Addre					on P.O. No., Job No., etc.			
3.	Work Per	formed by Nia	gara Mohawk P Name	ower Corp.		•	ol Stamp	N/A		
		. <u>PO</u>	Box 63, Lycom Address	ing, NY 13	093 Authoriza	tion No.	•	N/A		
					Expiration	n Date _		N/A_		
4.	Identificat	tion of System	Containment S	pray (Syster	m 80)					
5.	(a) A ₁	pplicable Constr	uction Code A	SA B31.1	19 <u>55</u> Edition, NONE	E Adde	nda. N/A Code	e Case		
٠.										
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	<u>83, Sum.'83 Ad</u>	<u>.d.</u>		
6.	Identification	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	es:			
D	Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
	80-H87	M.W.Kellogg	NONE -	- N/A ·	CLASS 2 Pipe Support	1969	Replacement	ИО		
		,		•			ı			
	,						,			
<u>an</u>	Description of Work: Fabricate and install new items for support 80-H87 in accordance with DDC 1S00344 and ASME work plan in Work Order 99-00927-04. Reference DER 1-1999-0484. 8. Tests Conducted: - Hydrostatic Pneumatic Nominal Operating Pressure Other									
		Pressure	_ Test Te	mp	°F Test Proceed	dure: <u>NC</u>	ONE			
No	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings ma ough 6 on this report of sheets is recorded t	t is inclu	ded on each she	size is 8 x eet, and (3)		

Remarks: This replacement is not the result of an inservice failure. New items installed per design change
plate (Cert. No. C-98-1098 HT. No. U-925), bolts (Cert No. C-91-0768 HT. No. 8097696), nuts (Cert. No.
C-95-0272 HT, No. Y334350). Performed VT-3 exam to reestablish PSI baseline, reference NDE Report
No. 1-2.04-99-0099.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.								
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE Expiration Date NONE							
Signed: Signed: Owner's or Owner	Maintenance Manager Date <u>フ・シン</u> ,19 <u>९</u> 9							
CERTIF	TICATE OF INSERVICE INSPECTION							
Inspectors and the State or Province Massachusetts have inspected the cort to $\frac{9}{2}$, and state that to the be	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 3/3/4/ to 3/5/49, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature	Commissions <u>NB S496 NY 2817</u> National Board, State, Province, and Endorsements							
Date 8/3, 19 99								

	Owner	Niagara Mohawk Power Corporation Name P.O. Box 63, Lycoming, NY 13093 Address Date 07/23/99 Sheet 1 of 1									
2.	Plant	Nine Mile Point Name Lycoming, NY 13093 Address Unit Mechanical Maintenance WO # 99-00927-02 Repair Organization P.O. No., Job No., etc.									
3.	3. Work Performed by Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A PO Box 63, Lycoming, NY 13093 Authorization No. N/A Address Expiration Date N/A										
5.	 Identification of System Containment Spray (System 80) (a) Applicable Construction Code ASA B31.1 1955 Edition, NONE Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. '83 Add. Identification of Components Repaired or Replaced and Replacement Components: 										
D	Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)			
	80-H88	M.W. Kellogg	N/a	- N/A	CLASS 2 Pipe Support	1969	Replacement	NO			
		•									
		•			Þ						
De an	Description of Work: Fabricate and install new items for support 80-H88 in accordance with DDC 1S00344 and ASME work plan in Work Order 99-00927-02. Reference DER 1-1999-0484. 8. Tests Conducted: - Hydrostatic Pneumatic Nominal Operating Pressure Other										
		Pressure	_ Test Te	mp	°F Test Procee	dure: <u>NO</u>	NE				
NO	Pressure ° F Test Procedure: NONE NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x 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.										

9. Remarks: This replacement is not the result of an inservice failure. New items installed per design change: angle (Cert. No. C-99-0098/HT. No. JB0228), bolts (Cert. No. F17292), nuts (Cert. No. C-99-0020/HT. No. LTM), weld material ER70S-2 1/16" (Cert. No. 2B1675/HT. No. 421N3602), 1/8" (Cert. No. C-96-0072/HT. No. F8080). Performed VT-3 exam to reestablish PSI baseline, reference NDE Report No. 1-2.04-99-0010.

. CE	ERTIFICATE OF COMPLIAN	NCE .						
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this _	Replacement conforms to the						
Type Code Symbol Stamp	NONE	·						
Certificate of Authorization No.	NONE E	xpiration Date <u>NONE</u>						
Signed: Owner's or Owner	Maintenance Manager r's Designee, Title	Date 7.30 ,1999						
CERTIF	ICATE OF INSERVICE INSI	PECTION						
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto $\frac{9/2/9}{9}$, and state that to the besand taken corrective measures describ ASME Code, Section XI.	of <u>New York</u> and employed appropriate of my knowledge and belief,	I by Arkwright Mutual Ins. Co. of er's Report during the period 3/3/99 the Owner has performed examinations						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature Date \$12, 1999	Commissions <u>NB 84-96</u> National Bo	AIY 2812 pard, State, Province, and Endorsements						

	Owner	Niagara Mohawk Power Corporation Name P.O. Box 63, Lycoming, NY 13093 Address					Date <u>08/01/99</u> Sheet <u>1</u> of <u>1</u>			
2.	Plant	Nine Mile Point Name Lycoming, NY 13093 Address Unit Mechanical Maintenance WO # 99-01014- Repair Organization P.O. No., Job No., etc.								
3.	Work Per	formed by <u>Nia</u>	gara Mohawk P	ower Corp.	<u> </u>	Type Cod	le Symbo	ol Stamp	N/A	
		, <u>PO</u>	Box 63, Lycom	ing, NY 13	<u>093</u>	Authoriza	ition No <u>.</u>		N/A	
						Expiration	n Date _		<u>N/A</u>	
4.	Identificat	ion of System	Containment S	pray (Syster	m 80)		et			
5.	(a) A ₁	oplicable Constr	uction Code A	<u>SME I</u> 19 <u>6</u>	55 Edition	n, <u>None</u> A	ddenda,	None Code Ca	ise ·	
6.		pplicable Edition			1	-			·	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Id	lentification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
	BV-80-40	Powell	None	- N/A	· CL	ASS 2	1966	Replacement	NO	
		,	•					4		
		f Work: Replace DER 1-99-019 ducted: - Hydrostatic Pressure NOP	9 <u>.</u>] Pneuma		Nominal	Operating I	Pressure		\boxtimes	
NO	OTE:	in. x 11 in., (2)	sheets in form o information in	items 1 thre	ough 6 oi	n this report	t is inclu	ded on each sh		

9. Remarks: This replacement was not the result of an inservice failure. Valve internal wedge replaced as part of preventive maintenance. Replacement material: wedge (Cert.No. C-OX-0919/Ht.No. CM5392B). VT-2 per NDE Report 1-2,04-99-0253.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and th	is Replacement conforms to the					
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed: Some Signed:	Maintenance Manager	Date <u>8.11</u> ,19 <u>99</u>					
Owner's or Owner	r's Designee, Title						
	•-						
CERTIF	ICATE OF INSERVICE I	NSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4122 99 to 417 199, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Tynn 19 andersm (Inspector's Signature	Commissions <u>UB 8490</u> Nationa	NY 2812_ al Board, State, Province, and Endorsements					
Date 8/17, 19 99	•						

	Owner	Name	ycoming, NY		•	Dat She	te <u>08/24/99</u> eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir Name Lycoming, NY Addre	13093		Mechanical Main			<u> </u>
3.	Work Per	formed by <u>Nia</u>	gara Mohawk P	ower Corp.	Type Cod	e Symbo	ol Stamp	N/A
		. <u>PO</u>	Name Box 63, Lycom Address	ning, NY 13	093 Authoriza	tion No <u>.</u>		N/A
-			Address		. Expiration	n Date _		N/A_
4.	Identificat	ion of System	Containment S	pray (Syster	n 80)		,	
5.	(a) A ₁	oplicable Constr	uction Code A	SME I 196	65 Edition, None_A	ddenda,	None Code Ca	se
		-						
		•			Repairs or Replacer			
6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	S:	
	Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	CKV-80-68	Crane Chapman	N/A	- N/A	CLASS 2	1965	Replacement	NO
	•	•		1				
	P				,			
Description of Work: Replaced stud in accordance with ASME Work Plan in Work Order 99-00972-02. Reference DER 1-1999-2734 for documentation of materials in work order. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other								
		Pressure <u>N/A</u>	Test Temp. N/	<u>A°</u> F	Test Procedure: N	1-ST-C4		
No	OTE:	in. x 11 in., (2)	information in	items 1 thre	thes, or drawings ma ough 6 on this report of sheets is recorded o	t is inclu	ded on each she	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure, Valve CKV-80-68 body stud replace as part of preventive maintenance. Replaced materials: stud (Cert.No. X5A00894/Ht.no. ACV). Valve CKV-80-68 part of open ended system, demonstration of a open flow path (OPS procedure N1-ST-C4) satisfies Sect XI Code.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the						
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE Expiration Date NONE						
Signed: Dwner's or Owner	Maint. Manager Date <u>§ · 25</u> , 1999						
•							
CERTIFI	TICATE OF INSERVICE INSPECTION						
Inspectors and the State or Province Massachusetts have inspected the com to 919199, and state that to the bes	mmission issued by the National Board of Boiler and Pressure Vessel of New York and employed by Arkwright Mutual Ins. Co. of apponents described in this Owner's Report during the period 4/23/19 st of my knowledge and belief, the Owner has performed examinations and in this Owner's Report in accordance with the requirements of the						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Inspector's Signature	Commissions <u>NBG496 NY 2812</u> National Board, State, Province, and Endorsements						
Date 9/9, 19 99							

	Owner	Niagara Mohay	vk Power Corp	oration		Dat	te <u>08/01/99</u>	
		P.O. Box 63, L	ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY Addre	13093		Mechanical Ma		WO # 99-0240 on P.O. No., Job No., etc.	<u>)5-00</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Туре Со	de Symbo	ol Stamp	N/A_
		. <u>PO</u>	Name Box 63, Lycom	ing, NY 13	093 Authoriz	ation No,		N/A
			Address		Expiration	on Date _		N/A
4.	Identificat	tion of System	Containment S	prav (Svstei	m 80)			
		•					1	
5.	(a) " A	pplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, None	<u>Addeno</u>	ia, <u>None</u> Code	: Case
	(b) A	pplicable Editio	n of Section XI	Utilized for	Repairs or Replace	ements 19	83 S'83 Add.	
6.	Identifica	tion of Compone	ents Repaired or	Replaced a	and Replacement C	omponent	s:	
D	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	80 CTN-SP	M.W. Kellogg	N/A	- N/A	CLASS 2 Piping System	1969	Repaired	ИО
		4						
Description of Work: Removed indications in piping upstream of IV-80-35 per DER 1-99-1405 in accordance with ASME Repair Plan in Work Order 99-02405-00.								
8.	Tests Cor	nducted: -	-					<u> </u>
	•	Hydrostatic	Pneuma	atic	Nominal Operating	Pressure	Other	
		Pressure	_ Test Te	mp	°F Test Proc	edure: <u>N/</u>	<u>A</u>	
	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings mough 6 on this repo ough 6 on this repo of sheets is recorded	rt is inclu	ded on each sh	

9. Remarks: This repair was not the result of an inservice failure. Pipe indication removal by grinding per DER 1-99-1405 disposition. Indication removed and MT/UT exams performed per NDE Reports: MT 1-4.00-99-0171, UT 1-6.05-99-0069.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI.							
Type Code Symbol Stamp NONE							
Certificate of Authorization No. NONE Expiration Date NONE							
Signed: Maint. Manager Date 5.11 ,1997							
•							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 5/11/97 to 8/17/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn D Clorderson Commissions NB 3496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements							
Date 8/17, 19 99							

	Owner	Niagara Mohay	wk Power Corp	oration		Dat	e <u>08/01/99</u>	
	Owner	Name		-				
		P.O. Box 63, L	vcoming, NY	<u>13093 </u>		She	et <u>1</u> of <u>1</u>	•
•	71	D :				TT		
2.	Plant	Nine Mile Poir				Uni	t1	
		Lycoming, NY			Mechanical Main		<u>WO#98-0667</u> n P.O. No., Job No., etc.	<u>4-00</u>
		Addie	33		Кер	an Organizano	111.0. 110., 300 110., 616.	
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	Type Cod	e Symbo	1 Stamp	N/A
	i.	. <u>PO</u>	Box 63, Lycom	ing, NY 13	093 Authoriza	tion No <u>.</u>		N/A
			Address		Expiration	n Date		N/A
_					 pu			-
4.	Identificat	ion of System	Containment (S	<u>System 201)</u>				
5.	(a) A ₁	onlicable Constr	uction Code A	SA B31 1	19 <u>55</u> Edition, None	Addend	a None Code	Case
J.		ppiicaole Colisti	uction code <u>-A</u>	<u> </u>	17 <u>55</u> Edition, <u>None</u>	_ radond	.a, <u>110110</u> 0000	Cuso
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	ments 19	83 S'83 Add.	
_	Tdom4:Coo	ion of Common	nta Danainad a	. Donlood e	". and Danlagamant Ca	mnonont	a•	
0.	Identifica	tion of Compone	ents Repaired of	Replaced a	and Replacement Co	mponent	.	
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.	,	Built	Replaced, or	Code
1							Replacement	Stamped (Yes or No)
H	ITX-201-03	Aerofin Corp.	N/A	- N/A	CLASS 2	1966	Replacement	NO
				•	•			
-]				
				•				
-		-					•	
L			<u> </u>	<u> </u>	<u> </u>			<u> ` </u>
De	escription o	f Work: Replac	ed 2 (two) coil:	assemblies :	and piping of compo	nent HT	X-201-03 in acc	cordance
<u>wi</u>	th ASME V	<u>Work Plan in Wo</u>	ork Order 98-06	674-00. Re	ference DER 1-98-19	<u>930.</u>		
8.	Tests Con	ducted: -						
υ,	TOSES COI	Hydrostatic	Pneuma	atic 🗍	Nominal Operating I	ressure	Other [\boxtimes

		Pressure NOP	Test Temp. N/	<u>A°</u> F	Test Procedure: N	I-IST-GE	EN-INS Att. 9A	<u>.</u>
N	OTE:	Supplemental	sheets in form c	of lists skote	hes, or drawings ma	rv he usei	d. provided (1)	size is 8 x
	<i>,</i> 1 20.				ough 6 on this report			
1					f sheets is recorded			. •

9. Remarks: This replacement was not the result of an inservice failure. Area cooler coils and piping replaced as part of preventive maintenance. Replacement materials: coils (2) (Cert.No. C-99-0319/Ht.nos. 282684, 282996), pipe (Cert.No. C-99-0565/Ht.no.203734), VT-2 per NDE Report 1-2.04-99-0241.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. Repair or Replacement							
Type Code Symbol Stamp NONE							
Certificate of Authorization No. NONE Expiration Date NONE							
Signed:							
CERTIFICATE OF INSERVICE INSPECTION							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New-York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4/6/97 to 3/17/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn 19 Onderson Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements							
Date <u>8/17</u> , 19 <u>99</u>							

	Owner		awk Power Corp	oration		Da	te <u>09/07/99</u>	
		P.O. Box 63, Lycoming, NY 13093 Address				She	eet <u>1</u> of <u>1</u>	•
•	7014		*			7. 7	! <u>.</u> 1	
2.	Plant	Nine Mile Po	ne			Un		
		Lycoming, N	Y 13093		<u>Mechanical Mai</u>		WO # 98-0255 on P.O. No., Job No., etc.	<u>52-03</u>
3.	Work Per	formed by <u>Ni</u>	agara Mohawk P	ower Corp.		de Symbo	ol Stamp	N/A_
		. <u>PC</u>	Name D Box 63, Lycom	ing, NY 13	093 Authoriz	ation No.	·	N/A_
			Address		Expiration	on Date _		N/A
4.	Identificat	ion of System	Pv Bldg Close	ed I oon Co	oling (System 70)			
٠.	Identifica	ion of System	IX. Didg. Close	ca coop co	omig (Bystem 70)			
5.	(a) A ₁	oplicable Const	ruction Code A	SA B31.1	19 <u>55</u> Edition, <u>N/A</u>	Addenda	a, None Code	Case
	(b) A	pplicable Edition	on of Section XI	Utilized for	Repairs or Replace	ements 19	83 S '83 Add.	
6	Identificat	ion of Compor	ients Renaired o	· Replaced a	and Replacement C	omponent	·s·	
·	- Identified			- Tropinoon (•
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	System 70 Piping	M.W. Kellogg	N/A	- N/A	CLASS 2	1969	Replaced	МО
L_			<u> </u>		<u> </u>	<u> </u>]	<u> </u>
	-	-	ced flow switch	in RBCLC	piping in accordanc	e with AS	SME Work Plan	in Work
<u>or</u>	der 98-0255	<u>52-03.</u>						
8.	Tests Con	ducted: - Hydrostatic [Pneuma	atic 🔲	Nominal Operating	Pressure	Other [
		Pressure NO	P Test Te	mp. <u>N/A</u> °]	F Test Proce	edure: <u>N1</u>	-IST-GEN-INS	Attach 9A
N	OTE:				ches, or drawings m ough 6 on this repo			

each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: This replacement is not the result of an inservice failure. Flow switch replaced due to malfunction, Replacement flow switch Cert.No. C-98-1118. VT-2 performed per NDE Report 1-2.04-99-0241.

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the					
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE Expiration Date NONE					
Signed:Owner's or Owner	Maint. Manager Date 9.7,1999					
,						
CERTIF	ICATE OF INSERVICE INSPECTION .					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>91919</u> to <u>918199</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
Inspector's Signature	Commissions NB 8496 NY 2812 National Board, State, Province, and Endorsements					
Date <u>9/8</u> , 19 <u>99</u>						

_ ==								
	Owner	Niagara Moha	wk Power Corp	oration		Dat	e <u>09/07/99</u>	
1.	Owner	Name					et <u>1</u> of <u>1</u>	
		Addre		13093		Siic	et <u>1</u> 01 <u>1</u>	•
2.	Plant	Nine Mile Poi	nt			Uni	t1	
		Lycoming, NY			Mechanical Main	tenance	WO # 98-0209	00-00
		Addre					n P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Type Cod	le Symbo	l Stamp	N/A
		. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093 Authoriza	ition No <u>.</u>		N/A
		•	Address		Expiration	n Date _		N/A_
4	T.d	tian af Creatana	Containment C	mmare (Creator	90\			
4.	identifica	tion of System	Containment S	pray (Syster	11 80)			
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SME III 1	9 <u>80</u> Edition, <u>None</u>	Addenda	, None Code (Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83 S '83 Add.	
_		• •			•			
6.	Identifica	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	S:	
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.	•	Built	Replaced, or Replacement	Code Stamped
					,			(Yes or No)
1	TX-80-33	Joseph Oat Corporation	J-2479-C	- N/A	CLASS 2	1985	Replacement	NO
_		·						
		,	<u> </u>					
<u> </u>								
L				I		_		
					two nuts in accordan ed to perform prever			
					work order documen		ntonunco on no	<u></u>
8.	Tests Cor	- rducted:						
0.	16818 COI	Hydrostatic	Pneuma	atic 🔲 🗆	Nominal Operating I	Pressure	Other [
		_		_				
_		Pressure NOP	Test Te	mp. <u>N/A°</u> l	F Test Proced	dure: Nl-	<u>-ST-Q6B</u>	
V	OTE:				ches, or drawings ma			
		in. x 11 in., (2)	information in	items 1 thro	ough 6 on this report of sheets is recorded	t is includ at the tor	ded on each she o of this form	ret, and (3)
		cauli sileti is li	mnoorea ana n	mamoer U	, bricero io recoraca i	+Up		

9. Remarks: This replacement was not the result of an inservice failure. Heat exchanger end cover stud and nuts replaced as part of preventive maintenance. Replacement materials: stud (Cert.No. F22875/Ht.no.T1), nuts (Cert.No. C-99-0331/Ht.no. 8098740). VT-2 performed per NDE Report No. 1-2.04-99-0275.

CE	CERȚIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and	this Replacement conforms to the						
Type Code Symbol Stamp	NONE	· · · · · · · · · · · · · · · · · · ·						
Certificate of Authorization No.	NONE	Expiration Date NONE						
Signed: Owner Owner	Maint. Manac	ger Date <u>9.8</u> ,19 <u>99</u>						
CERTIF	ICATE OF INSERVICE	ZINSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>5/2/98</u> to <u>9/9/99</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.								
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature	Commissions NB84	96 NY 2812 ional Board, State, Province, and Endorsements						
Date 919, 1999		~						

) 1.	Owner	Niagara Mohay	wk Power Corp	oration		Da	te <u>10/26/98</u>	
		·	•	vcoming, NY	13093		She	eet <u>1</u> of <u>1</u>	-
	2.	Plant	Nine Mile Poir				Un	it1	
			Lycoming, NY Addre	13093		Mechanical Mair		WO # 97-0465 on P.O. No., Job No., etc.	<u>57-31</u>
	3.	Work Peri	formed by Nia	gara Mohawk I	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A
			<u>PO</u>	Name Box 63, Lycon	ning, NY 13	093 Authoriza	ation No <u>.</u>	·	N/A
			•	Address		Expiratio	n Date _		N/A_
	4.	Identificat	ion of System	39 EMERGEN	ICY COND	ENSER			
			_			19 <u>55</u> Edition, <u>N/A</u>	Addenda	none Code (Tase.
	5.								
		(b) A ₁	oplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum. '83 A	<u>dd.</u>
	6.	Identificat	ion of Compone	ents Repaired o	r Replaced a	and Replacement Co	mponent	s:	
		Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
•		39-H3	M.W.Kellogg	N/A	N/A	Class 2 pipe support	1969	Replacement	NO .
				•		1			1
			l f Work: <u>Modifi</u> ASME Work Pl			1 39-H3 in accordance 97-04657-31.	with DE	OC's 1800221A,	1800234,
	8.	Tests Con	ducted: N/A Hydrostatic	Pneuma	atic 🔲 📑	Nominal Operating l	Pressure	Other [
			Pressure	_ Test Te	emp	F Test Proce	dure:		
	Pressure Test Temp ° F Test Procedure: NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x 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.								

9. Remarks: THIS IS NOT THE RESULT OF AN INSERVICE FAILURE. SUPPORT 39-H3 WAS MODIFIED AND REINSTALLED TO FACILITATE TUBE BUNDLE REPLACEMENT ON EMERGENCY CONDENSER 121, THIS WORK INCLUDES INSTALLATION OF INTEGRAL ATTACHMENTS AND THE REESTABLISHMENT OF PRESERVICE INSPECTION BASELINE (REFERENCE INSPECTION REPORT 1-97-0471, NDE REPORTS 1-3.00-97-0352, 1-2.01-97-0162, MATERIAL CERT, NO. C-97-1178 AND WELD MAT'L CERT NOS. C-96-0794, C-92-0072, C-2465).

CERTIFICATE OF COMPLIANCE			
We certify that the statements made i rules of the ASME Code, Section XI.	•	correct and this _	Replacement conforms to the
Type Code Symbol Stamp	NONE		•
Certificate of Authorization No.	NONE		xpiration Date <u>NONE</u>
Signed:			
CERTIFICATE OF INSERVICE INSPECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 11/19/97 to 11/2/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.			
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.			
Lynn D andersm Inspector's Signature	_ Commissions	NB 8496 National B	NY 2812 Board, State, Province, and Endorsements
Date 11/2, 1998	, '		

	. Owner	Name	wk Power Corp Lycoming, NY			Da She	te <u>10/14/98</u> eet <u>1</u> of <u>1</u>	· -
2	2. Plant	Nine Mile Poir Name Lycoming, NY	7 13093		Mechanical Mai	Un ntenance pair Organizati	<u> </u>	<u> </u>
3	. Work Per	• -	ngara Mohawk I Name Box 63, Lycon Address	<u> </u>	Authoriz	ation No,	ol Stamp	N/A N/A N/A
5	i. (a) A (b) A	pplicable Edition	ruction Code <u>A</u>	SA B31.1 Utilized for	ENSER 1955 Edition, N/A Repairs or Replace and Replacement Co	ments 19	83, Sum. '83 A	
	Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	39-H1	M.W.Kellogg	N/A	N/A	Class 2 pipe support	1969	Replacement	йо
7	<u>Vork Plan. R</u>	of Work: Modificate Mork (Modificate Mork) Inducted: N/A Hydrostatic	<u>Order 97-04629</u>	-38.	89-H1 in accordance Nominal Operating		_	_
	NOTE:	in. x 11 in., (2)	sheets in form o information in	f lists, sketc items I thro	EF Test Proce thes, or drawings moongh 6 on this report f sheets is recorded	ay be used it is includ	d, provided (1) ded on each she	

9. Remarks: THIS IS NOT THE RESULT OF AN INSERVICE FAILURE. SUPPORT 39-H1 WAS MODIFIED AND REINSTALLED TO FACILITATE TUBE BUNDLE REPLACEMENT ON EMERGENCY CONDENSER 111. THIS WORK INCLUDES INSTALLATION OF INTEGRAL ATTACHMENTS AND THE REESTABLISHMENT OF PRESERVICE INSPECTION BASELINE (REFERENCE INSPECTION REPORT 1-97-0473, NDE REPORTS 1-3.00-97-0373, 1-2.01-97-0168, MATERIAL CERT, NO. C-97-1178 AND WELD MAT'L CERT NOS. C-96-0794, C-92-0072).

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. Repair or Replacement
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed:
CÉRTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 1115197 to 112198, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Lynn D Circles Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 11/2, 1998

	1.	Owner	Name	wk Power Corp			Dat She	te <u>10/26/98</u> tet <u>1</u> of <u>1</u>	
	2.	Plant	Nine Mile Poir Name Lycoming, NY Addre	13093		Mechanical Main			<u>)7-50</u>
•	3.	Work Peri	· ·	gara Mohawk F Name Box 63, Lycon Address		093 Authoriza	tion No <u>.</u>	ol Stamp	
	4.5.6.	(a) A ₁ (b) A ₁	oplicable Edition	uction Code <u>A</u>	SA B31.1 Utilized for	ENSER 19 <u>55</u> Edition, <u>N/A</u> Repairs or Replaced and Replacement Co	ments 19	83, Sum, '83 A	
	(Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
		39-Н4	M.W.Kellogg	N/A	N/A	Class 2 pipe support	1969	Replacement	,
					1				
			f Work: <u>Modifi</u> ASME Work Pl			9-H4 in accordance 97-04407-50.	with DD	C's 1S00222A,	<u>1S00234,</u>
	8.	Tests Con	ducted: N/A Hydrostatic	_		Nominal Operating I			
	NO	OTE:	in. x 11 in., (2)	information in	of lists, sketo items 1 thro	PF Test Proced thes, or drawings made ough 6 on this report f sheets is recorded	y be used t is includ	 d, provided (1) ded on each she	size is 8 x eet, and (3)

9. Remarks: THIS IS NOT THE RESULT OF AN INSERVICE FAILURE, SUPPORT 39-H4 WAS MODIFIED AND REINSTALLED TO FACILITATE TUBE BUNDLE REPLACEMENT ON EMERGENCY CONDENSER 122. THIS WORK INCLUDES INSTALLATION OF INTEGRAL ATTACHMENTS AND THE REESTABLISHMENT OF PRESERVICE INSPECTION BASELINE (REFERENCE INSPECTION REPORT 1-97-0465, NDE REPORTS 1-3.00-97-0339, 1-2.01-97-0163, MATERIAL CERT, NO. C-97-1178, C-94-0575 AND WELD MAT'L CERT NOS, C-96-0794, C-92-0072, C-2465).

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed:
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 11/25/97 to 11/2/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Lynn 19 Cholum Commissions NB 84 96 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 1/12 . 19 98

) .	Owner	Niagara Moha Name P.O. Box 63, I	Date <u>11/03/98</u> Sheet <u>1</u> of <u>1</u>					
	2.	Plant	Nine Mile Poi				Un	it <u>1</u>	
Lycoming, NY 13093 Me					Mechanical Mair	tenance	WO # 95-0143 an P.O. No., Job No., etc.	2-34	
	3.	Work Perf		gara Mohawk I	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A
	_ •		•	Name Box 63, Lycon			-		N/A_
•				Address	_	Expiration	n Date _		N/A
	4.	Identificat	ion of System	39 EMERGEN	CY COND	ENSER			•
	5.		•			19 <u>55</u> Edition, <u>N/A</u>	Addenda	none Code (Case
	٥.	•	•						
		(b) Ap	plicable Edition	n of Section XI	Utilized for	Repairs or Replaces	ments 19	83, Sum. 83 Ad	<u>.a.</u>
	6.	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
	,	Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
		39-H2	M.W.Kellogg	N/A	N/A	Class 2 pipe support	1969	Replacement	ЙО
-									
	Description of Work: Modified and reinstalled support 39-H2 in accordance with DDC 1S00220A and ASME Work Plan, Reference Work Order 95-01432-34. 8. Tests Conducted: N/A Hydrostatic Pneumatic Nominal Operating Pressure Other								
			Pressure	_ Test Te	mp	F Test Proced	lure:		
	NC	OTE:	Supplemental sin. x 11 in., (2)	- sheets in form o information in	f lists, sketc items I thro	- hes, or drawings ma ough 6 on this report f sheets is recorded t	t is includ	ded on each she	size is 8 x eet, and (3)

9. Remarks: THIS IS NOT THE RESULT OF AN INSERVICE FAILURE, SUPPORT 39-H2 WAS MODIFIED AND REINSTALLED TO FACILITATE TUBE BUNDLE REPLACEMENT ON EMERGENCY CONDENSER 112. THIS WORK INCLUDES INSTALLATION OF INTEGRAL ATTACHMENTS AND THE REESTABLISHMENT OF PRESERVICE INSPECTION BASELINE (REFERENCE INSPECTION REPORT 1-97-0480, NDE REPORTS 1-3,00-97-0365, 1-2,01-97-0164, MATERIAL CERT NOS. C-97-1178, C-97-1179 AND WELD MAT'L CERT. NOS. C-92-0072, C-96-0794).

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.						
Type Code Symbol Stamp NONE						
Certificate of Authorization No. NONE Expiration Date NONE						
Signed:						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>111697</u> to <u>1112198</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
Lynn 19 andusm Commissions NB 8 4 9 6 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements						
Date 11/12, 19 9 8						

<i>f</i> 1.	Öwner	Name	wk Power Corr			Da Sh	te <u>10/22/98</u> eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poi	7 13093		Mechanical Mair			96-01
3.	Work Per	•	ngara Mohawk I Name Box 63, Lycon Address	<u>-</u>	093 Authoriza	ation No.	ol Stamp	N/A N/A N/A
4.5.6.	(a) A ₁	pplicable Edition	uction Code <u>A</u>	SME III, No	C 19 <u>80</u> Edition, <u>S'a</u> Repairs or Replace and Replacement Co	ments 19	83, Sum. '83 A	•
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	FCV-93-71	XOMOX CORP	N/A	N/A	12" Flow Control Valve - Class 2	1983	Replacement	МО
	<u>696-01.</u>		Pneuma	atic 🗌 . 1	new plug per ASME Nominal Operating P Test Procedure: Sy	ressure	∑ Other [
NO	OTE:	in. x 11 in., (2)	information in	items 1 thro	hes, or drawings ma ough 6 on this report f sheets is recorded o	is includ	led on each she	

9. Remarks: This replacement was not a result of a service failure. Replaced existing valve plug with new plug. The cert, number for the new plug C-93-0205, VT-2 performed per NDE report number 1-2.04-98-0010.

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to rules of the ASME Code, Section XI.	the
Type Code Symbol Stamp NONE	
Certificate of Authorization No. NONE Expiration Date NONE	
Signed:	<u> </u>
CERTIFICATE OF INSERVICE INSPECTION	1
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vest Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. Massachusetts have inspected the components described in this Owner's Report during the period 7/30 to 11/2/92, and state that to the best of my knowledge and belief, the Owner has performed examination and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.	of 198 ions
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implicance concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neit the Inspector nor his employer shall be liable in any manner for any personal injury or property damage loss of any kind arising from or connected with this inspection.	ther
Lynn D Ordesm Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements	
Date 11/2, 19 98	

_	. ,		As Kedulied by	the Provisions	of the ASME Code Sect	IOII AI		
ji.	Owner		wk Power Con	poration		Da	ite <u>08/27/98</u>	
		P.O. Box 63, I	Lycoming, NY	13093		Sh	eet <u>1</u> of <u>1</u>	_
2.	Plant	Nine Mile Poi	nt	<u></u>		Ur	nit <u>1</u>	
1		Lycoming, NY Addr	7 13093		Mechanical Main		WO # see rem	
3.	Work Perf	formed by Nia	ngara Mohawk	Power Corp	<u></u> Туре Сос	de Symb	ol Stamp	N/A
		<u>PO</u>	Box 63, Lycor	ning, NY 13	8093 Authoriz	ation No		N/A_
			Address		Expiratio	n Date _		N/A
4.5.	(a) Ap	pplicable Consti	uction Code <u>A</u>	S'A B31.1	ENSER / 60 EMER. 19 <u>55</u> Edition, <u>None</u> r Repairs or Replace	_ Adden	da, <u>None</u> Code	
6.	Identificat	ion of Compone	ents Repaired o	r Replaced	and Replacement Co	mponen	s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
H	ITX-60-46	FOSTER - WHEELER	49.595	2314	CLASS 2	1966	Replaced	.NO
	S 39 PIPING SYSTEM	MW KELLOGG	NONE	N/A	CLASS 2 PIPING SYSTEM	1969	Replaced	NO
<u>bun</u>	idle. Work	scope included ince DER 1-97-	cutting and rep 2669. Pneuma	lacing pipe : .	nd. heat exchanger I and vessel welds to g Nominal Operating F	gain acce	ess to the tube si	heet and
N O	TE:	Supplemental s	heets in form o	f lists, sketc	hes, or drawings ma	y be used	d, provided (1)	size is 8 x

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.

9. Remarks: This replacement was the result of service failure. Work order 97-04629-29 replaced the tulbundle. Sub-work orders 97-04629-11, 26, 28, 30, and 32 replaced condenser and piping welds and condenser piping. Certification/Serial numbers for tube bundle, piping and weld material are recorded in each applicable work order. All code-required non-destructive exam reports are also documented in each work order. Deviation/event reports generated during replacement activities were DER 1-97-3184, 1-97-3212, and 1-97-3252. Hydrostatic test was performed per work order 97-04407-64 and documented on VT-2 data report 1-2.01-97-0169.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed: MAINT. MGR. UNIT Date Supt 11, 1978 Owner's or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION .
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period u/7/47 to 9/14-195, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Tym 15 Order Commissions NB 8446 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements Date 9114 19 48

41-64667-27

FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL

NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

•	NOT TO EXC	eed One Day's Produc	tion	Pg. 1 of2_			
Manufactured and certified by	Joseph Oat Corpo	ration 2500 Broadway	, Camden, NJ	08104			
Manufactured for		(name and address of NPT Certificate er Corp. Lake Road Lyc	•	093			
mandiactured for		(name and address of purchaser)					
3. Location of installation Niagara Mohawk Power Corp. Nine Mile Point Nuclear Station Lycoming, NY 13093 (name and address)							
Type: <u>D-11858.01/3</u>	*See Remarks	75 ksi	N/A	1997			
(drawing no.)	(mat'l spec. no.) - 1986	(tensile strength) None	(CRN)	(year built) N/A			
ASME Code, Section III, Division 1:	(edition)	(addenda date)	(class)	(Code Case no.)			
Fabricated in accordance with Con-	st. Spec. (Div. 2 only)	N/A Revisio	n <u>N/A</u>	DateN/A			
Remarks: Part is a U-Tub	e Bundle with Inlet/Out	let Bonnets. Bundle ler	ngth = 22'-2.2	5".			
		+-1	010 010 0	64949.946			
Inlet/Outlet Bonnet lengt	h = 1'-2.43/"	* Tubes = SA	213-316. Bon	nets = SA240-316.			
Tubesheets = $SA182-F31$	16		•				
Nom. thickness (in.) 1.25	Attended to Malatina and the N	340 - 55 - 15 // 6 /- 1"	-6 625" Lameb				
		·	Length	overall (it. o. iii.)			
When applicable, Certificate Holder	rs Data Heports are attached to	r each item of this report:	¥				
			1				
Part or Appurtenance	National	Part or App	urtenance	National			
Part or Appurtenance Serial Number	Board No.	Part or App Serial N		Board No.			
Serial Number	Board No. in Numerical Order	Serial N	umber	Board No.			
Serial Number (1) <u>2570D</u> (2)	Board No.	(26)	umber	Board No.			
Serial Number (1) <u>2570D</u>	Board No. in Numerical Order	Serial N	umber	Board No.			
(1) <u>2570D</u> (2)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7) (8) (9)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7) (8)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (19) (19) (19) (19) (19) (19) (20)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (19) (19) (19) (19) (19) (19) (20) (21)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2)	Board No. in Numerical Order	(26)	umber	Board No.			
Serial Number (1) 2570D (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)	Board No. in Numerical Order	(26)	umber	Board No.			

Certificate Holder's Serial Nos. __

2570D

CERTIFICATION OF DESIGN M. Annett 068270 Reg. no. P. E. State Design specifications certified by M. Holtz PA. Reg. no. P, E. State Design report* certified by CERTIFICATE OF COMPLIANCE Tube Bundle, Inlet/Outlet Bonnet We certify that the statements made in this report are correct and that this (these) conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. Expires Joseph Oat Corporation (NPT Certificate Holder) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Commercial Union Insurance Company and employed by have inspected these items described in this Data Report on and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection, NB-10539-NA/NJ-1121 Commissions (Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES***

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of __2__

(when applicable)

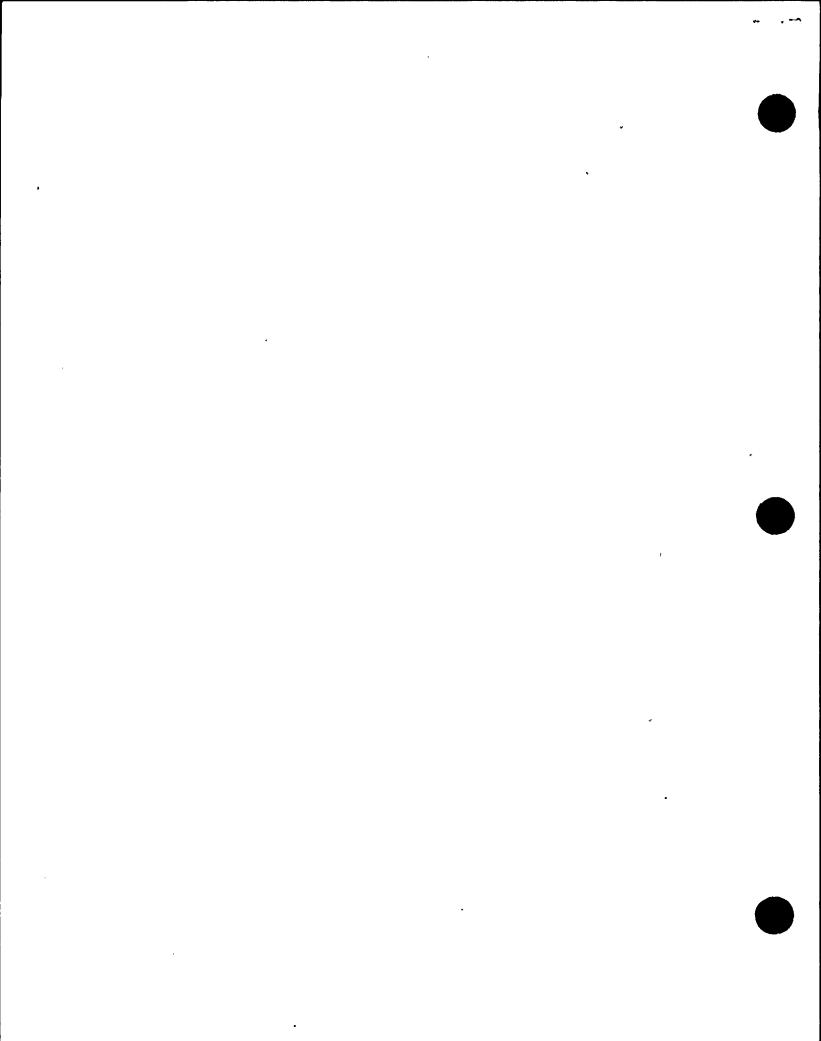
Manufactured and certified by	Joseph Oat Corpo			08104		
(name and address of NPT Certificate Holder) 2. Manufactured for Niagara Mohawk Power Corp. Lake Road Lycoming, NY 13093 (name and address of purchaser)						
3. Location of installation	Niagara Mohawk Powe		oint Nuclear Statio	n Lycoming, NY 13093		
4 Type: D-11858.01/3 (drawing no.)	*See Remarks	70 KSi (tensile strength)	N/A (CRN)	1997 (year built)		
5. ASME Code, Section III, Division 1:	1000	None (addenda-date)	3 (class)	N/A (Code Case no.)		
6. Fabricated in accordance with Const	• •		, ,	DateN/A		
7. Remarks: Part is a S	Shell Nozzle. * Nozzle	= SA312-316, Fla	nge = SA516-70N			
		000	41.61			
B. Nom. thickness (in.) 0.5	Min. design thickness (in.)	.008 Dia. ID (ft &	in.) <u>1'-8"</u> Length	overall (ft. & in.) Q'-4.875"		
9. When applicable, Certificate Holder's	s Data Reports are attached fo	or each item of this report	•	•		
	·	 -				
Part or Appurtenance	National	Bort	or Appliedonous	National		
Serial Number	Board No.		or Appurtenance erial Number	Board No.		
	in Numerical Order			in Numerical Order		
				1		
(1) 2570D	N/A	(0)				
(1) <u>2570D</u> (2)	IV/A					
(3)		(28)	 			
(4)		1 1 7				
(6)		(31)				
(7)		1 1 ' '				
(9)		(34)				
(10)						
(12)		(37)				
(13)		(38)				
(15)		(39) —				
(16)		(41) —				
(17)		(42) —				
(19)		(44)				
(20)		(45)				
(22)		(47) —				
(23)		(48) —				
(25)		(50)				
	V nei Temn	<u> </u>				

Certificate Holder's Serial Nos. 2570D through

· · · · · · · · · · · · · · · · · · ·				
Design specifications certified by	CERTIFICATION OF DESIG	N P. E. State	NY	Reg. no <u>068270</u> _
Design report* certified by	M. Holtz	P. E. State	PA	Reg. no <u>28767-E</u> _
•	CERTIFICATE OF COMPLIA	INCE		
We certify that the statements made in the conforms to the rules of construction of the statements.	•	Shell N	lozzle	· · · · · · · · · · · · · · · · · · ·
NPT Certificate of Authorization No.	N-1489	Expir	es	8/23/2000
Date ///3/7 Name	Joseph Oat Corporation (NPT Certificate Holder)	Signed	Turas	authonzed representative)
	CERTIFICATE OF INSP	ECTION	,	
of Boston, MA have inspected have inspected have inspected have and belief, the Cer III, Division 1. Each part listed has been a By signing this certificate, neither the inspin this Data Report. Furthermore, neither loss of any kind arising from or connected.	by <u>Commercial Unio</u> pected these items described in this Dat tificate Holder has fabricated these part authorized for stamping on the date sho pector nor his employer makes any warr the inspector nor his employer shall be	n Insurance Co a Report on	mpany n accordance mplied, conce	and state that to the with the ASME Code, Section ming the equipment described
Date 11-21-97 Signed	(Authorized Inspector)	_ Commissions		539-NA/NJ-1121 dorsements) and state or prov. and r

ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	WELD WIRE
1	MR103	62	NOT USED	!		3E406A02
1	SF344	THRU	NOT USED			2H310A02
1 ,	438306	79	NOT USED			AT6670 ⁻
1	437276	80	* NP BRACKET			7D3E-3A
1	710439	81	* NAMEPLATE		-	7D4E-4A
1	438052	END				. DT7011
1	710493					ET7102
1	438054					- *
1	710187					
2A	1N716					
2B	1N716·					
3A	BPX					
3B	BPX					
4A	26042					
4B	26042			Ì		
5	U3907/2BA					
6	8654043			1		
7	· 28440					
8	* TEST CAP					
9	* TEST RING		,			
10	* TEST VENT					
11	* TEST CAP			1		
12	* TEST RING					
13	96931-4B					
14	NOT USED			ĺ		
THRU	NOT USED					,
19	NOT USED					
20	R898					
21	R898					
22A	R898			<u> </u>		
22B	R898					
23	R898					
24	SD372					
25	NOT USED					
THRU	NOT USED					
56	NOT USED					
57	R332					
58	14655		•			
59	C8-2214			i		
60A	953197					
60B	953197					
60C	953197					
61 i	* EDQ		,			

^{* =} No Documentation Req'd.



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

)	Owner	Nam	Lycoming, NY			ate <u>08/27/98</u> eet <u>1</u> of <u>1</u>	- ,	
2.	Plant	Nine Mile Poi				Ur	nit1	······
		Lycoming, NY 13093 Address Mechanical Maintenance WO # see remark Repair Organization P.O. No., Job No., etc.						<u>arks</u>
3.	Work Perf	ormed by <u>Ni</u>	ngara Mohawk I	Power Corp	Type Cod	de Symb	ol Stamp	N/A
		PO	Name Box 63, Lycon	ning, NY 13	8093 Authoriz	ation No		N/A
			Address		Expiratio	n Date _		N/A
4.	Identificati	ion of System	39 EMERGEN	ICY COND	ENSER / 60 EMER.	COND.	MAKEUP	_
5.	(a) Ap	plicable Consti	nction Code A	SA B31 1	19 <u>55</u> Edition, None	Adden	da None Code	Case
	_							Cuso
•	(b) Ap	plicable Editio	n of Section XI	Utilized for	Repairs or Replace	ments'19	83,S83	
6. 3	Identificati	on of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
	Name of omponent	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	, ASME Code Stamped (Yes or No)
H	ΓX-60-44	FOSTER - WHEELER	49.597	2316	CLASS 2	1966	Replaced	NO
	39 PIPING YSTEM	MW KELLOGG	NONE	N/A	CLASS 2 PIPING SYSTEM	1969	Replaced	NO
		М						
bunc	Description of Work: Original tube bundle for Emer. Cond. heat exchanger HTX-60-44 was replaced with new bundle. Work scope included cutting and replacing pipe and vessel welds to gain access to the tube sheet and bundle. Reference DER 1-97-2669.							
8. 7	rests Cond	ucted: Hydrostatic 🔀	Pneuma	itic 🔲 .	Nominal Operating F	ressure	Other [
		Pressure <u>1540</u>	psig Test Ter	mp. <u>N/A</u> F	Test Proced	ure: <u>N1-</u>	IST-HYD-007	<u>R/1</u>
01			•		hes, or drawings ma			

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 x 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.

9. Remarks: This replacement was the result of service failure. Work order 97-04657-32 replaced the tube bundle. Sub-work orders 97-04657-08, 22, 23, 24, 33, and 35 replaced condenser and piping welds and condenser piping. Certification/Serial numbers for tube bundle, piping and weld material are recorded in each applicable work order. All code-required non-destructive exam reports are also documented in each work order. Deviation/event reports generated during replacement activities were DER 1-97-2818 and 1-97-3155. Hydrostatic test was performed per work order 97-04407-52 and documented on VT-2 data report 1-2.01-97-0165.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed: MAINT. MGR. LINIT 1 Date Sept 11, 1998 Owner's or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period USIAT to 11419, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Zm D Circlius Commissions NB \$496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 9/14, 1998

71-076010

___at temp.50° F.

1980

FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III

Not to Exceed One Day's Production

Manufactured and certified by	Joseph Oat Corpora	tion 2500 Broadway,	Camden, NJ (08104
•	(ma Niagara Mohawk Power	me and address of NPT Certificate Ho		193
2. Manufactured for	Niagara Monawk Power	(name and address of purchaser)	ming, 141 150	,
3. Location of installation	Niagara Mohawk Power C	Corp. Nine Mile Point N	uclear Statior	Lycoming, NY 13093
D 11050 01/2	#C D	(name and address)	N/A	1997
4 Type: <u>D-11858.01/3</u> (drawing no.)	*See Remarks (mat'l spec. no.)	75 ksi (tensile strength)	N/A (CRN)	(year built)
5. ASME Code, Section III, Division 1	1986	None (addenda date)	2	N/A
J. ACITE COUD, COMOII III, DIVISOII I	(edition)		(¢l255)	(Code Case no.)
6. Fabricated in accordance with Con-	st, Spec. (Div. 2 only)	N/A Revision	N/A	DateN/A
7. Remarks: Part is a U-Tub	e Bundle with Inlet/Outle	t Bonnets. Bundle leng	th = 22'-2.2	5"
				
Inlet/Outlet Bonnet lengt	h = 1'-2.437"	* Tubes = SA2	13-316. Bon	nets = SA240-316,
Tubanhanta CA102 F2	16		¥	
Tubesheets = SA182-F3				
8. Nom. thickness (in.) <u>1.25</u>	Min. design thickness (in.)3	40 Die. ID (ft & in.)1 "-6	5.625" Length (overall (ft. & In.) 23"-4.687"
9. When applicable, Certificate Holder				
•				
	1	[]	l	
Part or Appurtenance	National	Part or Appurt	enance	National
Part or Appurtenance Serial Number	Board No.	Part or Appurt Serial Num		Board No.
	1			•
	Board No.			Board No.
Serial Number . (1)2570B	Board No.	Serial Nun	nber	Board No.
Serial Number (1)2570B	Board No. in Numerical Order	Serial Nun	nber	Board No.
Serial Number (1) 2570B (2) (3) (4)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1)	Board No. in Numerical Order	(26)	nber	Board No.
Serial Number (1) 25708 (2) (3) (4) (5) (6) (7)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number - (1)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1) 2570B (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number - (1) 2570B - (2) (3) (4) (5) (6) (7) (8) (9) (10)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1) 2570B (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1) 2570B (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1) 2570B (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (17) (18) (19)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order
Serial Number (1) 2570B (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)	Board No. in Numerical Order	(26)	nber	Board No. in Numerical Order

____ psi. Temp. ____575___ °F. Hydro, test pressure .

10. Design pressure _

Certificate Holder's Serial Nos. 2570B through __

		·	
	CERTIFICATION OF DESIG	N	
Design specifications certified by	M. Annett	P. E. StateN	Y Reg. no. <u>068270</u>
Design report* certified by	M. Holtz	P. E. StateP/	A Reg. no. <u>28767-E</u>
	CERTIFICATE OF COMPLIA	NCE ;	
We certify that the statements made in	his report are correct and that this (these	Tube Bundle, In	nlet/Outlet Bonnet
conforms to the rules of construction of		,	
NPT Certificate of Authorization No.	N-1489	Expires	8/23/2000
Date 11/12/97 Name	Joseph Oat Corporation (NPT Certificate Holder)	Signed	(authorized representative)
	(NP1 Catinizate house)		(source representative)
	CERTIFICATE OF INSPE	CTION	•
I, the undersigned, holding a valid comm	ision issued by the National Board of Boi byCommercial Unior	<u> Insurance Compan</u>	Ý
of Boston, MA have ins	pected these items described in this Data	Report on 37-13	and state that to the
best of my knowledge and belief, the Ce III, Division 1. Each part listed has been	authorized for stamping on the date shov	m above.	
By signing this certificate, neither the ins in this Data Report. Furthermore, neither	pector nor his employer makes any warra	anty, expressed or implied, or	concerning the equipment described
loss of any kind arising from or connecte		·	become minery or broberry agrinage or
Date 11-12-97 Signed	210 John	Commissions NB	-10539-NA/NJ-1121
	(Authorized Inspector)		ncl. endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III

<u></u>	NOU TO EXCE	ed One Day 5 Frodu	CUOII	Pg. 1 of2
Manufactured and certified by		ration 2500 Broadway		08104
2. Manufactured for	Niagara Mohawk Powe	r Corp. Lake Road Lyc	coming, NY 13	093
3. Location of installation	Niagara Mohawk Power			n Lycoming, NY 13093
4 Type: <u>D-11858.01/3</u>	*See Remarks	(name and address) 70 KSi (tensile strength)	N/A (CRN)	1997
(drawing no.) 5. ASME Code, Section III, Division	(mat'l spec, no.) 1: 1986		(CRN) *3	(year buit) N/A
	(edition)	None (addenda date)	(ciass) ,	(Code Case no.)
6. Fabricated in accordance with Co	• • •			DateN/A
7. Remarks: Part IS 3	3 Shell Nozzle. * Nozzle =	SAS 12-5 16, Plange :	= SAS 10-7 VIN	
	•			
8. Nom. thickness (in.) 0.5	Min. design thickness (in.)	.008 Dia. ID (ft & in.)	1'-8"Length	overall (ft. & in.) 0'-4.875"
9. When applicable, Certificate Hold	er's Data Reports are attached for	each item of this report:		
Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or App Serial N	urtenance umber	National Board No. In Numerical Order
(1) 25708	N/A	(26)		•
(2)		(27)		
(4)				
(8)				
(8)		(33)		
(9)		(34)		
(11)		(36)		
(13)		(37)		
(14)		(39)		,
(16)		(40)		
(17)		(42)		
(19)		(44)		
(20)		(45)		
(22)		(47)		
(23)		(48)		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 (\70)		
(25)		(50)		

15/FV psi. Temp. 300 °F. Hydro. test pressure

at temp.

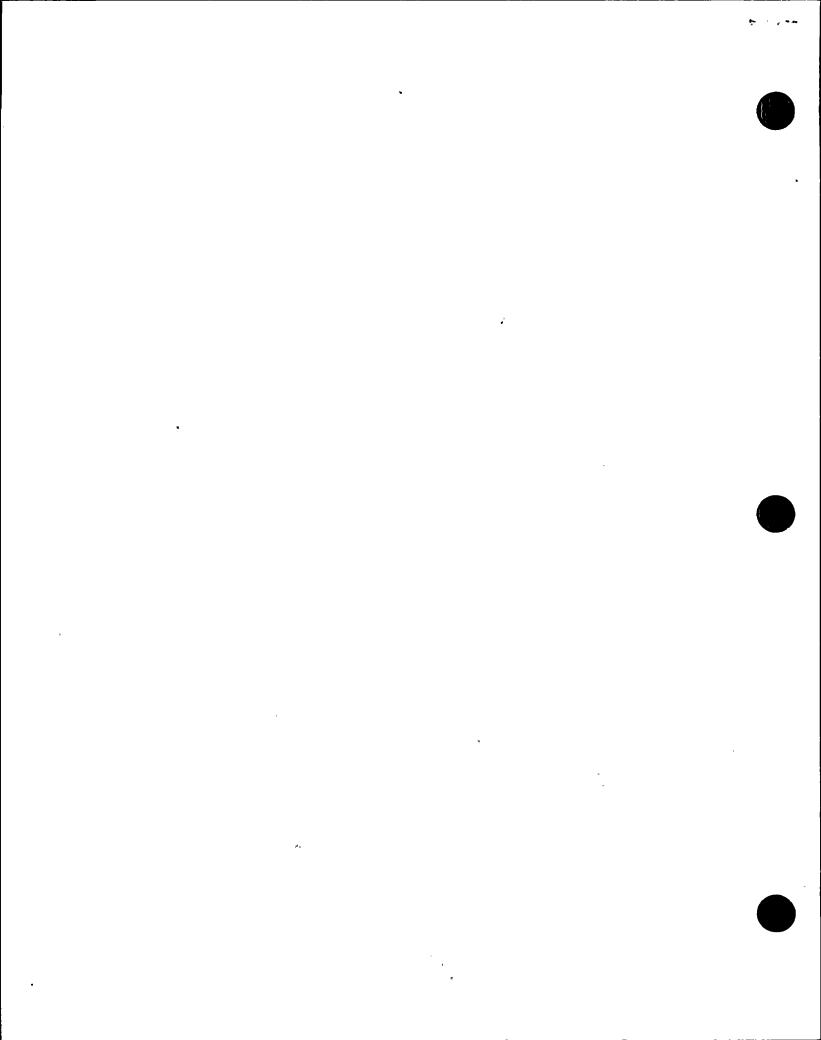
(when applicable)

Design pressure

	Certificate Holder	's Serial Nos. <u>2570B</u>	through
	CERTIFICATION OF DESIGN		
Design specifications certified by	M. Annett	P. E. State NY	Reg. no. <u>068270</u>
Design report* certified by	M. Holtz	P. E. State PA	Reg. no. <u>28767-E</u>
	CERTIFICATE OF COMPLIAN	Œ;	
	this report are correct and that this (these) the ASME Code, Section III, Division 1.	Shell Nozzie	•
NPT Certificate of Authorization No.	N-1489	Expires	8/23/2000
Date 11/12/97 Name	Joseph Oat Corporation (NPT Certificate Holder)	Signed E	(authorized representative)
	CERTIFICATE OF INSPEC	TION	
of Boston, MA have instead have	7/194	nsurance Company Report on 11-11-0 r appurtenances in accorda above. ry, expressed or implied, co ble in any manner for any po	and state that to the cince with the ASME Code, Section

ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	WELD WIRE
1	MR103	62	NOT USED	1		3E406A02
1	SF344	THRU	NOT USED			2H310A02
1	438306	79	NOT USED			AT6670
1	437276	80	* NP BRACKET			7D3E-3A
1	710439	81	* NAMEPLATE		1	7D4E-4A
1	438052	END				DT7011
1	710493					ET7102
1	438054					
1	710187					·
2A	1N716				•	
2B	1N716					
3A	BPX .					
3B	BPX					
4A	26042					
4B	26042					
5	U3907/2BA					
6	8654043					
7	28440					
8	* TEST CAP					
9	* TEST RING					
10	* TEST VENT					
11	* TEST CAP				-	
12	* TEST RING					,
13	96931-4B		٧.			
14	NOT USED					
THRU	NOT USED					•
19	NOT USED					•
20	R898			}		1
21	R898			İ		
22A	R898					
22B	R898					
23	R8981					
24	SD372			1		
25	NOT USED				·	
THRU	NOT USED				·····	
56	NOT USED					
57	R332					
58	14655					
59	C8-2214					
60A	953197			<u> </u>		
60B	953197				· · · · · · · · · · · · · · · · · · ·	
60C	953197					
61	* EDQ	1	1	.		

^{* =} No Documentation Req'd.



			713 Acquired by	110 1 10 11310113	Of the Fibrial Code Deer	1011 111		
	Owner	Nam	wk Power Corp				ate 08/27/98	
		P.O. BOX 03, 1	Lycoming, NY	13093	-	SII	eet <u>1</u> of <u>1</u>	_
2.	Plant	Nine Mile Poi	nt			Ur	nit1	
		Lycoming, N			<u>Mechanical Mair</u>			
		Addr	ess		Re	pair Organizat	ion P.O. No., Job No., etc.	
3.	Work Per	formed by Ni	agara Mohawk I	Power Corp	Type Cod	ie Symb	ol Stamp	N/A
		PO	Box 63, Lycon	ning, NY 13	8093 Authoriza	ation No		N/A
		•			Expiratio	n Date _		N/A
4.	Identifica	tion of System	39 EMERGEN	ICY COND	ENSER / 60 EMER.	COND.	MAKEUP	
5.	(a) A	nnlicable Const	ruction Code A	SA B31 1	19 <u>55</u> Edition, None	Adden	da None Code	Case
J.								, Case
	(b) A	pplicable Editio	n of Section XI	Utilized for	Repairs or Replace	ments-19	9 <u>83,S83</u>	
6.	Identifica	tion of Compon	ents Repaired o	r Replaced	and Replacement Co	mponen	ts:	
D	Name of Component	Name of Manufacturer	Manufacturer'	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME Code
	zomponom	Manaracturer	3 001141 1101	Bound 110.		Duin	Replacement	Stamped (Yes or No
I	HTX-60-42	FOSTER - WHEELER	49.596	2315	CLASS 2	1966	Replaced	NO
	S 39 PIPING SYSTEM	MW KELLOGG	NONE	N/A	CLASS 2 PIPING SYSTEM	1969	Replaced	NO
<u>bu</u>	ndle. Work		cutting and rep		nd. heat exchanger I and vessel welds to			
8.	Tests Con	ducted:	_					_
		Hydrostatic \succeq	Pneuma	atic	Nominal Operating F	ressure	Other	
	,	Pressure 1540	psig Test Te	mp. <u>N/A</u> F	Test Proced	lure: <u>N1-</u>	<u>-IST-HYD-007</u>	<u>R/1</u>
Jo	PTE:	in. x 11 in., (2)	information in	items 1 thro	hes, or drawings ma ough 6 on this report f sheets is recorded o	is includ	ded on each she	

9. Remarks: This replacement was the result of service failure. Work order 97-04407-53 replaced the tub bundle. Sub-work orders 97-04407-20, 21, 41, 42, 43, 51 and 54 replaced condenser and piping welds and condenser piping. Certification/Serial numbers for tube bundle, piping and weld material are recorded in each applicable work order. All code-required non-destructive exam reports are also documented in each work order. Deviation/event reports generated during replacement activities were DER 1-97-2764 and 1-97-2796, 1-97-2830, 1-97-2862, 1-97-2873, 1-97-3129 and 1-97-3150. Hydrostatic test was performed per work order 97-04407-52 and documented on VT-2 data report 1-2.01-97-0165.

CE	RTIFICATE OF COMPLIANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the
Type Code Symbol Stamp	NONE .
Certificate of Authorization No.	NONE Expiration Date NONE
Signed: Owner's or Owner's	MAINT. MGR. UNIT Date Sept 11 ,1998
CERTIFI	CATE OF INSERVICE INSPECTION .
Inspectors and the State or Province Massachusetts have inspected the com to 4/14-148, and state that to the bes	nmission issued by the National Board of Boiler and Pressure Vessel of New York and employed by Arkwright Mutual Ins. Co. of ponents described in this Owner's Report during the period 11/7/17 t of my knowledge and belief, the Owner has performed examinations and in this Owner's Report in accordance with the requirements of the
concerning the examinations and correct	nspector nor his employer makes any warranty, expressed or implied, etive measures described in this Owner's Report. Furthermore, neither liable in any manner for any personal injury or property damage or ed with this inspection.
	Commissions NB8446 NY 2812 National Board, State, Province, and Endorsements
Date 9/14 10 98	

FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL

NUCLEAR PARTS AND APPURTENANCES*

d by the Provisions of the ASME Code, Section III

s reduited by	THE LIGARIOUS OF THE VOLUE GOOD! GOO	
Not	to Exceed One Day's Production	,

Pg. 1 of Joseph Oat Corporation 2500 Broadway, Camden, NJ 08104 Manufactured and certified by (name and address of NPT Certificate Holder) Niagara Mohawk Power Corp. Lake Road Lycoming, NY 13093 2. Manufactured for (name and address of purchaser) Niagara Mohawk Power Corp. Nine Mile Point Nuclear Station Lycoming, NY 13093 3, Location of installation (name and address) D-11858.01/3 *See Remarks 75 ksi 4 Type: (year built) (tensue strength) (mat'l spec, no.) N/A 1986 **None** 5. ASME Code, Section III, Division 1: (ctass) (Code Case no.) (addenda date) (edition) N/A Date 6. Fabricated in accordance with Const. Spec. (Div. 2 only) Revision Part is a U-Tube Bundle with Inlet/Outlet Bonnets. Bundle length = 22'-2.25" 7. Remarks: *Tubes = \$A213-316. Bonnets = \$A240-316. Injet/Outlet Bonnet length = 1'-2.437" Tubesheets = SA182-F316 Min. design thickness (in.) 340 Dia. ID (ft & in.) 1"-6.625" Length overall (ft. & in.) 23"-4.687" 9, When applicable, Certificate Holder's Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number		National Board No. in Numerical Order
ı) <u>—</u>	2570A	N/A
3) _		···
5)		
<u> </u>		
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,		
5)		
7)		
9)		
:0)		
2) —		
?3) — ?4) —		
25)		

Part or Appurtenance Nationa Serial Number Board N in Numerical	o.
(26)	
(27)	
(28)	· .
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(50)	

10. Design pressure	1250	psi.	Temp.	575	°F.	Hydro, test pressure	1980	_et temp 50º F.
							(when accecacie)	

	Certificate Hold	er's Serial Nos. <u>2570A</u>	through
	CERTIFICATION OF DESIG	N	
Design specifications certified by	M. Annett	P. E. StateNY	Reg. no. <u>068270</u>
Design report* certified by	M. Holtz	P. E. State PA	Reg. no. <u>28767-E</u>
	CERTIFICATE OF COMPLIA	ANCE	
. We certify that the statements made in to conforms to the rules of construction of	this report are correct and that this (these the ASME Code, Section III, Division 1.	Tube Bundle, Inlet	/Outlet Bonnet
NPT Certificate of Authorization No.	N-1489	Expires	8/23/2000
Date 11/2/97 Name —	Joseph Oat Corporation (NPT Certificate Holder)	Signed <u>F. P.</u>	(authorized representative)
•	CERTIFICATE OF INSPE	CTION	
of <u>Boston</u> , <u>MA</u> have ins best of my knowledge and belief, the Cer III, Division 1. Each part listed has been a By signing this certificate, neither the insin this Data Report. Furthermore, neither loss of any kind arising from or connected.	t by <u>Commercial Unior</u> pected these items described in this Data tificate Holder has fabricated these parts authorized for stamping on the date show pector nor his employer makes any warra the inspector nor his employer'shall be I	n Insurance Company a Report on or appurtenances in accordan on above, anty, expressed or implied, con- iable in any manner for any per	and state that to the ce with the ASME Code, Section cerning the equipment described sonal injury or property damage or
Date Signed	(Authorized Inspector))539-NA/NJ-1121

FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL

NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg.	1. of	2

lanufactured and certified by	Joseph Oat Corpor	ation 2500 Broadway,	ober)	00104			
Aanufactured for	ufactured for Niagara Mohawk Power Corp. Lake Road Lycoming, NY 13093 (name and address of purchaser)						
ocation of installation	Niagara Mohawk Power		luclear Statio	n Lycoming, NY 130			
		(name and address)	N/A	. 1997			
/pe: <u>D-11858.01/3</u> (drawing no.)	*See Remarks (mat'l spec. no.)	70 ksi (tensile strength)	(CRN)	(year built)			
SME Code, Section III, Division	11: 1986 (equition)	None (addenga date)	(ciass)	N/A (Code Case no.)			
abricated in accordance with C	•	N/A Revision	N/A	DateN/A			
	a Shell Nozzle. * Nozzle =						
omarks.	<u> </u>						
			- 				
		008	11-9"	overall (ft. & in.) 0'-4.8			
lom, thickness (in.)	Min. design thickness (in.)	.000 Dia. ID (ft & in.)	1'-0' Length	overall (ft. & in.) <u>V.=4.0</u>			
/hen applicable, Certificate Hok	der's Data Reports are attached for	each item of this report:					
							
				ļ			
	,	1 1		•			
Part or Appurtenance	National	Part or Appur	tenance	National			
Part or Appurtenance Serial Number	National Board No.	Part or Appui Serial Nu		National Board No.			
				•			
	Board No.			, Board No.			
Serial Number	Board No. in Numerical Order	Serial Nu	nber	, Board No.			
Serial Number (1)2570A	Board No.	Serial Nu	nber	, Board No.			
Serial Number	Board No. in Numerical Order	Serial Nu	nber	, Board No.			
Serial Number (1)	Board No. in Numerical Order	(26) (27) (28) (29) (29)	nber	, Board No.			
Serial Number (1) 2570A (2)	Board No. in Numerical Order	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6)	Board No. in Numerical Order	(26) (27) (28) (29) (30) (31)	nber	, Board No.			
Serial Number (1) 2570A (2)	Board No. in Numerical Order	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9)	Board No. in Numerical Order	(26):	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10)	Board No. in Numerical Order	(26): (27) (28) (30) (31) (32) (33) (34) (35)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)	Board No. in Numerical Order	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13)	Board No. in Numerical Order	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)	Board No. in Numerical Order	(26)* (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (15) (15)	Board No. in Numerical Order	(26): (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (15) (15) (16) (16) (16) (16) (16) (16) (16) (16	Board No. in Numerical Order N/A	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (15) (16) (17)	Board No. in Numerical Order N/A	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (16) (17) (18) (19) (19)	Board No. in Numerical Order N/A	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (16) (17) (18) (19) (19) (20)	Board No. in Numerical Order N/A	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (35) (37) (38) (39) (40) (41) (42) (43) (44) (45)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (19) (19) (19) (19) (19) (19) (20) (21)	Board No. in Numerical Order N/A	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44) (44) (45) (46)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)	Board No. in Numerical Order N/A	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44) (45) (45) (46) (47)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)	Board No. in Numerical Order N/A	(26)	nber	, Board No.			
Serial Number (1) 2570A (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)	Board No. in Numerical Order N/A	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44) (45) (45) (46) (47)	nber	, Board No.			

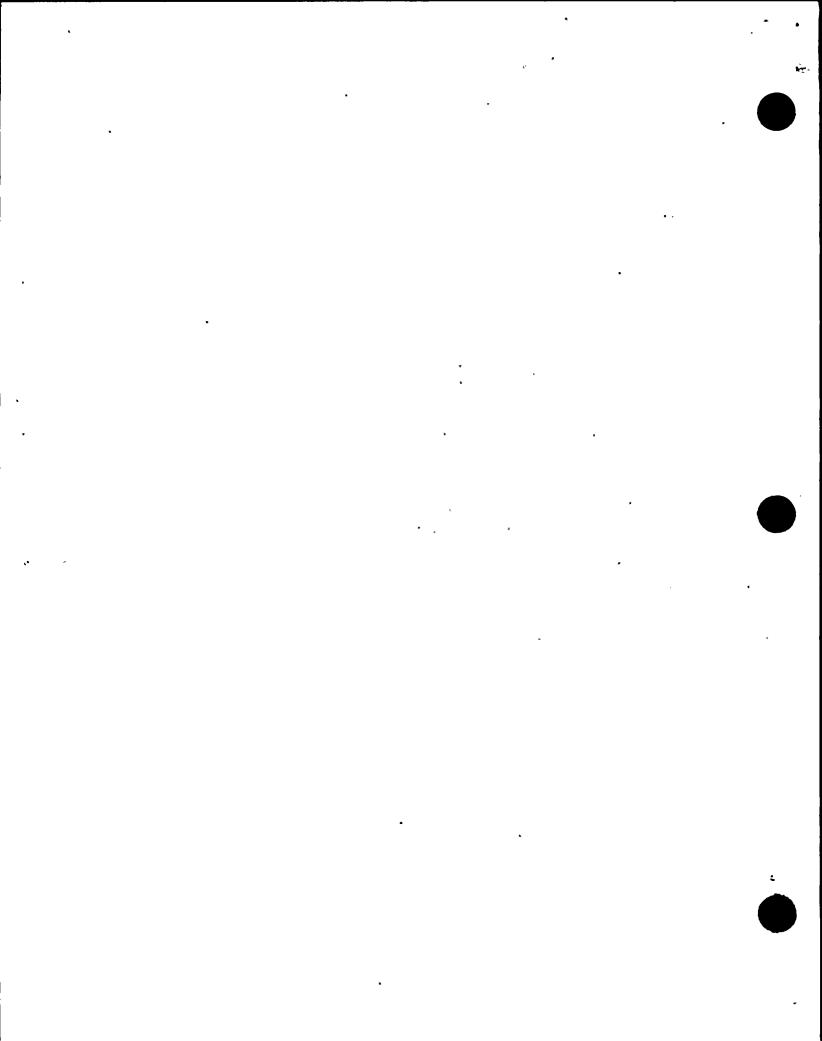


Certificate Holder's Senal Nos. 2570A through

					
Design specifications certifled by	CERTIFICATION OF DESIGN M. Annett	. P. E. State _	NY	Reg. no.	_068270
Design report* certified by	M. Holtz	P. E. State	PA	Reg. no.	_28767-E
	CERTIFICATE OF COMPLIAN	Œ	·		·
We certify that the statements made in t conforms to the rules of construction of	his report are correct and that this (these) the ASME Code, Section III, Division 1.	Shell I	Vozzle	·····	
NPT Certificate of Authorization No.	N-1489	Ехрі	res	8/23/20	00
Date 11/7/97 Name	Joseph Oat Corporation (NPT Certificate Holder)	Signed	23	(authorized repre	sentative/
	CERTIFICATE OF INSPEC	TION	· · · · · · · · · · · · · · · · · · ·		
of <u>Boston</u> , MA have inspect of my knowledge and belief, the Cer III, Division 1, Each part listed has been a By signing this certificate, neither the insp	ision issued by the National Board of Boile by <u>Commercial Union</u> bected these items described in this Data F tifficate Holder has fabricated these parts o tuthorized for stamping on the date shown bector nor his employer makes any warrant the inspector nor his employer shall be liable if with this inspection.	Insurance Co Report on	mpany 1-3-9- n accordance mplied, conc	and and a with the ASMI	I state that to the E Code, Section
Date 1: Signed	(Authorized Inspector)	Commissions		539-NA/NJ	

ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	WELD WIRE
1	MR103	62	NOT USED		;	3E406A02
- 	SF344	THRU	NOT USED	1	<u>!</u>	2H310A02
1	438306	. 79 .		,		AT6670
 	437276	80	* NP BRACKET		i	7D3E-3A
1	710439	81	* NAMEPLATE			7D4E-4A
 	438052	END .			-	DT7011
1	710493			,	i	· ET7102
1	438054			,	,	1
1	710187	<u></u>		;	}	
2A	1N716				1	
2B	1N716			i		,
3A	BPX				<u>:</u>	1
3B	BPX				1	;
4A	26042			Ī	:	
4B	26042				:	*
5	U3907/2BA				<u>.</u> i	•
6	8654043	· · · · · · · · · · · · · · · · · · ·			<u></u>	
7	28440	· 			<u>.</u> I	•
8	* TEST CAP				 	
9	* TEST RING	· · · · · · · · · · · · · · · · · · ·		<u></u>	!	
10	* TEST VENT					·
11	* TEST CAP		· · · · · · · · · · · · · · · · · · ·		1	
12	* TEST RING		· · · · · · · · · · · · · · · · · · ·			
13	96931-4B				<u> </u>	· !
14	NOT USED					;
THRU	NOT USED				1	;
11.1KG	NOT USED			 -	:-	<u></u>
20	R898				<u> </u>	- <u> </u>
21	R898		· 		 	
22A	R898	-, 			<u> </u>	
22B	R898				<u>:</u> !	
23	R898	.			 	-
24	SD372	, :		,	<u>'</u>	
25	NOT USED					
THRU	NOT USED				;	
56	NOT USED				<u> </u>	
57	R332			·	<u> </u>	
58	14655				i 	_
59	C8-2214	<u>:</u> !				-
60A	953197				 	
60B	953197	1	· · · · · · · · · · · · · · · · · · ·	i	;	
. 60C	953197					
61	* EDQ		 -		<u>!</u>	
<u></u>					<u> </u>	

 $[\]star$ = No Documentation Req'd.



. Owner	Niagara Moha	wk Power Corr	oration		Date <u>08/21/98</u>		
	•	Lycoming, NY	13093		Sh	eet <u>1</u> of <u>1</u>	-
2. Plant	Nine Mile Poi		<u></u>		Ur	nit1	··
	Lycoming, NY	7 13093		Mechanical Mair			<u>arks</u>
	Addn			·		ion P.O. No., Job No., etc.	
3. Work Peri		<u>igara Mohawk I</u> Name			•	ol Stamp	
	<u>PO</u>	Box 63, Lycon Address	ning, NY 13				
				Expiration	n Date _		N/A
4. Identificat	ion of System	39 EMERGEN	ICY COND	<u>ENSER / 60 EMER.</u>	COND.	MAKEUP	_
5. ` (a) Ar	oplicable Constr	uction Code <u>A</u>	SA B31.1	1955 Edition, None	_ Adden	da, <u>None</u> Code	: Case
				r Repairs or Replace			
•	•						
6. Identificat	ion of Compone	ents Repaired o	r Replaced a	and Replacement Co	mponent	ts:	
Name of Component	Name of Manufacturer	Manufacturer's s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HTX-60-45	FOSTER - WHEELER	49.598 ·	2317	CLASS 2	1966	Replaced	ЙО
SYS 39 PIPING SYSTEM	MW KELLOGG	NONE	N/A	CLASS 2 PIPING SYSTEM	1969	Replaced	NO
bundle. Work		cutting and rep		and vessel welds to a			
8. Tests Cond	ducted:					ı	
	Hydrostatic 🔀	Pneuma	ntic 🔲 📑	Nominal Operating P	ressure	Other [
	Pressure 1540	psig Test Te	mp. <u>N/A</u> F	Test Proced	ure: <u>N1-</u>	IST-HYD-007	<u>R/1</u>
NOTE:	Supplemental s	sheets in form o	f lists, sketc	hes, or drawings ma ough 6 on this report		•	

each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: This replacement was the result of service failure. Work order 95-01432-30 replaced the tube bundle. Sub-work orders 95-01432-10, 11, 23, 24, 25, 26, 31 and 33 replaced condenser and piping welds and condenser piping. Certification/Serial numbers for tube bundle, piping and weld material are recorded in each applicable work order. All code-required non-destructive exam reports are also documented in each work order. Deviation/event reports generated during replacement activities were DER 1-97-2831.

Hydrostatic test was performed per work order 97-04407-64 and documented on VT-2 data report 1-2.01-97-0169.

CI	ERTIFICATE OF COM	PLIANCE	
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and	this Replacement Repair or Replacement	_ conforms to the
Type Code Symbol Stamp	NONE		•
Certificate of Authorization No.	NONE	Expiration Date NON	IE
Signed: Owner's or Owne	MAINI. MGR	UNIT Date Sypt	1998
CERTIF	ICATE OF INSERVICE	E INSPECTION	
I, the undersigned, holding a valid consistency and the State or Province Massachusetts have inspected the consto 4/14/98, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of New York and em nponents described in this st of my knowledge and t	ployed by <u>Arkwright Muss</u> Owner's Report during the pelief, the Owner has perforn	period <u>US 97</u> ned examinations
By signing this certificate neither the concerning the examinations and correthe Inspector nor his employer shall b loss of any kind arising from or connections.	ctive measures described e liable in any manner fo	in this Owner's Report. Fur	thermore, neither
Inspector's Signature	Commissions <u>NB 8 9</u> Nat	196 NY 28/2 lional Board, State, Province, and En	adorsements
Date 9/14, 19 98			

Pg. 1 of _

anulactured and certified by	Sanufactured and certified by Joseph Oat Corporation 2500 Broadway, Camden, NJ 08104					
	(name and address of NPT Certificate Holder)					
2. Manufactured for	Niagara Mohawk Powe	er Corp. Lake Road Lyco	<u>ming, NY 13</u>	093		
		(name and address of purchaser)				
3. Location of installation	Niagara Mohawk Power	Corp. Nine Mile Point N	uclear Statio	n Lycoming, NY 13093		
		(name and address)				
4 Type: <u>D-11858.01/3</u>	*See Remarks	75 ksi	N/A	1997		
(drawing no.)	(mat'l spec. no.)	(tensile strength)	, (CRN)	(year built)		
	1006	None	2	NI/A		
5. ASME Code, Section III, Division 1:	1986	None (addenda date)	(class)	N/A (Code Case no.)		
	(edition)	,	•-			
6. Fabricated in accordance with Cons	st, Spec. (Div. 2 only)	N/A Revision	N/A	DateN/A		
5		lat Daniel Daniel Lane		cu		
7. Remarks: Part is a U-Tube	e Bundle with Inlet/Out	iet Bonnets. Bundle leng	tn = 22 - 2.2	<u>.5</u>		
			•			
Inlet/Outlet Bonnet lengt	h = 1'-2 437"	* Tubes = SA2	13-316, Bon	nets = SA240-316		
THOU COUNTY TO THE						
T 1 1 . 01400 F04		ř.		•		
Tubesheets = SA182-F31	6					
4.05		0.40		00" 4 007"		
8. Nom. thickness (in.) 1.25	Min. design thickness (in.)	.340 Dia. ID (ft & in.)1 <u>''-6</u>	.625" Length	overall (ft. & in.) 23"-4.687"		
9. When applicable, Certificate Holder	s Data Reports are attached for	each item of this report:		,		
			· · · · · · · · · · · · · · · · · · ·			
1		1 1				
Part or Appurtenance	National	Part or Appurte	enance	National		
Serial Number	Board No.	Serial Num	ber	Board No.		
<u> </u>	in Numerical Order	i i		in Numerical Order		
m		l i				
(1)2570C	·N/A	(26)				
(2)		(27)				
(3)		(28)				
(4)		(29)				
(5)		(30)		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 		
(6)		(31)				
(8)		(32)				
(9)		(34)				
(10)		(35)				
(11)	····	(36)				
(12)		(37)				
(13)		(38)				
(14)		(39)		 		
(16)		(40)				
(17)		(42)				
(18)		(43)				
(19)		(44)				
(20)	· · · · · · · · · · · · · · · · · · ·	(45)				
(21)		(48)		······································		
(22)		(47)				
(24)		(48)				
(25)		(50)				
(23)						
(23)	 		<u></u>			



Certificate Holder's Serial Nos. 2570C through ___

	e .				
CERTIFICATION OF DESIGN Design specifications certified by M. Annett		Reg. no. <u>068270</u>			
Design report* certified by .M. Holtz	P. E. State <u>PA</u>	Reg. no. <u>28767-E</u>			
CERTIFICATE OF COMPLIA We certify that the statements made in this report are correct and that this (these conforms to the rules of construction of the ASME Code, Section III, Division 1.	Take Benedic take	t/Outlet Bonnet			
NPT Certificate of Authorization No. N=1489 Date	Expires	8/23/2000 (authorized representative)			
CERTIFICATE OF INSPE	ECTION				
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NJ and employed by Commercial Union Insurance Company of Boston, MA have inspected these items described in this Data Report on III. Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage loss of any kind arising from or connected with this inspection					
Date 11-74-97 Signed (Authorized Inspector)		0539-NA/NJ-1121			

NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of _2_

Manufactured and certified by	flactured and certified by Joseph Oat Corporation 2500 Broadway, Camden, NJ 08104						
(name and address of NPT Certificate Holder) Manufactured for Niagara Mohawk Power Corp. Lake Road Lycoming, NY 13093							
Manufactured for	Magara Monawk Powe		address of purchaser)	ing, ivi 13	093		
3. Location of installation	Niagara Mohawk Power			lear Statio	n Lycomina.	NY 13093	
(name and address)							
4 Туре: <u>D-11858.01/3</u>	70	ksi	N/A_		1997		
(drawing no.)	(mat'l spec. no.)	(tensile s		(CRN)		(year built)	
5. ASME Code, Section III, Division 1	: 1986		Vone	3		N/A	
	(edition)	•	lenda-date)	(class)		de Case no.)	
6. Fabricated in accordance with Con-	st. Spec. (Div. 2 only)	N/A	Revision -	N/A	Date	_N/A	
7. Remarks: Part is a	Shell Nozzle * Nozzle =	SΔ312-	316 Flance - S/	1516-70N			
7. Hemarks	SHELL HOLLIC =		D TOT HATING OF	3310 6011			
					c ,*		
	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •					
8. Nom. thickness (in.) 0.5	Min. design thickness (in.)	.008	Dia. ID (ft & in.)	.8" Length	overall (ft. & in.)	0 <u>'-4.875"</u>	
				_			
9. When applicable, Certificate Holder	S Data Reports are attached for the	each item of	this report:				
]	1 1					
Part or Appurtenance	National		Part or Appurten	ance	Na	tional	
Serial Number	Board No.	1 1	Serial Numbe		Bos	rd No.	
	in Numerical Order				in Nume	rical Order	
2570C	N/A		400				
(1) <u>2570C</u> (2)	IV/A		(26)				
(3)			(28)				
(4)			(29)			 	
(6)			(31)				
<u></u>			(32)				
(8)			(33)			····	
(10)			(35)				
(11)			(36)				
(12)			(37)				
(14)			(39)				
(15)			(40)				
(16)			(41)				
(18)			(43)			•	
(19)			(44)				
(20)			(45)				
(22)		\Box	(47)				
(23)			(48)				
(24)			(49)				
<u> </u>		—→ ∟	()				
10. Design pressure15/F\	/ psi. Temp	300_ 9	F. Hydro, test press	ure		at temp. OF.	
<u> </u>	Lan ramer			(wh	en applicable)		

FORM N-2 (BACK - Pg. 2 of 2)

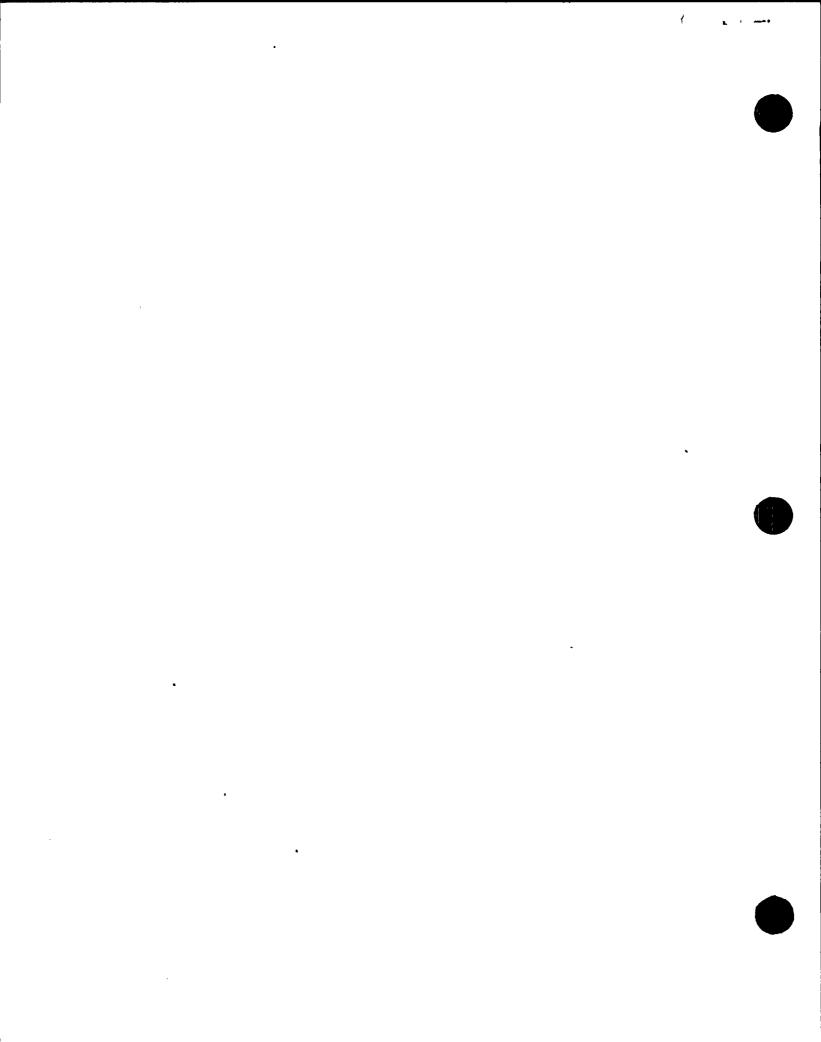
Certificate Holder's Serial Nos. 2570C through ___

		•••		•				
. Design specifications certified by	CERTIFICATION OF DESIGN M. Annett	P. E. State	NY	Reg. no	068270			
Design report* certified by	M. Holtz	P. E. State	PA	Reg. no	28767-Е			
	CERTIFICATE OF COMPLIANCE	Œ						
•	de in this report are correct and that this (these) on of the ASME Code, Section III, Division 1.	Shell N	lozzie					
NPT Certificate of Authorization No	o. <u>N-1489</u>	Expire	os	8/23/200	0			
Date 11/14/97 Name	Joseph Oat Corporation (NPT Certificate Holder)	Signed	ES ?	authorized represe	matple			
	CERTIFICATE OF INSPECT	ΓΙΟΝ						
I, the undersigned, holding a valid commision issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NJ and employed by Commercial Union Insurance Company of Boston, MA have inspected these items described in this Data Report on 11-14-77 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this Inspection.								
Date 11-14-97 Signed	(Authorized Inspector)	enoissimmo		39-NA/NJ-				

	·					
ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	ITEM	HEAT NUMBER	WELD WIRE
1	MR103	62	NOT USED	<u> </u>		3E406A02
1 ,	SF344	THRU	NOT USED			2H310A02
1	438306	79	NOT USED			AT6670
1	437276	80	* NP BRACKET			7D3E-3A
1	710439	81	* NAMEPLATE	1		7D4E-4A
1	438052	END				DT7011
1	710493				•	ET7102
1	438054					
1	710187					
2A	1N716				•	
.2B	1N716					
3A	BPX					
3B	BPX					
4A	26042					
4B	26042					
5	U3907/2BA				,	
. 6	8654043					
7	28440			j		
8	* TEST CAP	<u>-</u>		i		
9	* TEST RING					
10	* TEST VENT	i				
11	* TEST CAP	İ				
12	* TEST RING	i				
13	96931-4B	1				
14!	NOT USED	1				
THRU	NOT USED					i
19	NOT USED					
20 1	R898		1			
21	R898		1	Ï		
22A ;	R898					
22B	R898			1		
23 !	R898					
24	SD372					
25	NOT USED					
THRU	NOT USED					
56	NOT USED					
57	· R332					
58	14655					
59 <u>l</u>	C8-2214					
60A i	953197					
60B :	953197					
60C	953197					
61 !	* EDQ 1					



^{* =} No Documentation Req'd.



1. Owner Niagara Mohawk Power Corporation . Date January 7, 1998

		Name				• ,	
		Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	1	
2. Plant	Nine Mile Poin Name	<u>t</u>	Unit _	1			
<u>.P.O.</u>	Box 63 Lycoming. 1 Address	New York 13093	 .	Mech. Maint. Wor Repair Organizatio			•
	•	agara Mohawk Power Co Name Box 63 Lycoming N.Y. 1	An	be Code Symbol Stan thorization No. <u>N/</u> Expiration Date <u>N</u>	Δ.		
4. Ident	ification of System	Reactor Bldg, Closed Ioop	cooling (system	m 70)			
(b) A ₁	pplicable Edition of S	on Code <u>ASA B31.1</u> Section XI Utilized for Rep ents Repaired or Replaced	pairs or Replac	ements 19 <u>83, Sum.</u>			
NAME OF PONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No
FS-70-540	PEECO	N/A	N/A	CLASS 2	1981	REPLACEMENT	NO
-		· · ·					,
work on	ription of Work: Fl der 97-02234-02. DE work plan.	ow switch was replaced wi R 1-97-3198 was generate	th a new flow s	switch in accordance iginal work documen	with ASN It sent to t	IE work plan provided he field did not contain	lon n.an
8. Tests	Conducted:						
H	Iydrostatic□ Pneum	atic 🛘 Nominal Operatin	ng Pressure	Test Procedure: 1	VA 5211B	(system functional)	
	Other D Pressure_	Test Temp	•F				
11 in.,	(2) information in	ets in form of lists, ske n items 1 through 6 or er of sheets is recorded	n this report	is included on eac	d, provid ch sheet,	ed (1) size is 8 ½ i and (3) each shee	n. x it is

FORM NIS-2 (Back) (Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This replacement was not the result of an inservice failure. Replaced the entire switch due to nonpressure boundary Portion not fuctioning properly. The original pressure switch was procured commercial grade and dedicated. The replacement was also procured in the same manner from the original manufacturer. The replacement was longer than the original requiring the pipe to be cut and rethreaded. Cert number of replacement switch is C-97-1201. A VT-2 examination was completed in conjuction with a system functional test. Reference NDE report no. 1-2.01-97-0167

CERTIFICATE OF COMPLIANCE

_conforms to the rules of the

repair or replacement

We certify that the statements made in the report are correct and this <u>replacement</u>
ASME Code, Section XI. repair or rep

Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed Maint. MGR. Unit-1 Date 8.7, 19 9 8
,
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>NEW YORK</u> and employed by <u>ARKWRIGHT MUTUAL INS.</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>11 25 170 11 418</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Jun Dander Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 9/14/98,19

$\overline{}$								
	Owner	Niagara Mohay	wk Power Corp	oration		Da	te <u>08/05/99</u>	
		Name					eet <u>1</u> of <u>1</u>	
		Addre					····	•
2.	Plant	Nine Mile Poi				Un	it1	
		Lycoming, NY	13093		Mechanical Main			<u>4-01</u>
		Addre	35		Rep	air Organizati	on P.O. No., Job No., etc.	•
3.	Work Per	formed by Nia	gara Mohawk F	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	tion No.	· · · · · · · · · · · · · · · · · · ·	N/A
			Aodress		Expiration	n Date _		N/A
1	Identificat	ion of System	Ry Bldg Close	d Loon Co	oling (System 70)			
٦.			_	-				
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, None	Adden	la, <u>None</u> Code	Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	r Repairs or Replaces	ments 19	83 S'83 Add.	
_	Tdontifica	ion of Common	nta Donairad a	r Donlogod (and Replacement Co	mnonani	٠٥٠	
6.	identifica	non of Compone	ents Repaired of	Replaced a	and Replacement Co	mponem		
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
T	Component	Manufacturer	s Serial No	Board No.	·	Built	Replaced, or Replacement	· Code Stamped
<u> </u>	<u> </u>	7,177	27/4	27/4	OF A CC 2	1060	Domloand	(Yes or No) NO
-	System 70 Piping	M.W. Kellogg	N/A	- N/A	CLASS 3 PIPING	1969	Replaced	NO
		,						
								·
				.				
_	• .•				1 4 1 1 4 1 1 1 1 1	11 1		!41-
		r Work: <u>Kepiac</u> Plan in Work O			' suction line to dryw	en coole	er in accordance	: With
	٩					,		
8.	Tests Con	ducted: - Hydrostatic [Pneuma	atic 🗍	Nominal Operating I	Dreceure	Other [
		rryurusianu [T Ticaille		Trommai Operating I	. 4033416		
		Pressure NOF	Test Te	emp. <u>N/A °.</u>	F Test Proceed	dure: <u>Sys</u>	stem In-Service	
N(OTE:	Supplemental	sheets in form o	of lists, sketo	ches, or drawings ma	y be use	d, provided (1)	size is 8 x
7		'in. x 11 in., (2)	information in	items 1 thr	ough 6 on this report	t is inclu	ded on each she	
		each sheet is n	numbered and th	ne number o	of sheets is recorded	at the to	o of this form.	

9. Remarks: This replacement was not the result of an inservice failure. Piping components replaced as part of preventive maintenance. Replaced materials: union (Cert.No. C-97-1289), elbow (Cert.No. C-OX-0376), coupling (C-92-0404). VT-2 per NDE Report 1-2.04-99-0273.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. Repair or Replacement								
Type Code Symbol Stamp NONE								
Certificate of Authorization No. NONE Expiration Date NONE								
Signed: Maintenance Manager Date 4.11, 1919 Owner's or Owner's Designee, Title								
CERTIFICATE OF INSERVICE INSPECTION								
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 5/27/99 to 8/17/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.								
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Lynn D On-leusen Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements								
Date 8/17, 1999								

		>** > * 1	1.70					•
	Owner	Niagara Mohay				Da		
		P.O. Box 63, L		13093		She	eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poir	nt			Un	it <u>1</u>	
		Lycoming, NY Addre		·····	Mechanical Main		WO # 99-001 1 on P.O. No., Job No., etc.	12-01
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	Type Cod	le Symbo	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	tion No.		N/A
		,	Address	•	Expiration	n Date _		N/A_
4.	Identificat	tion of System	Rx Bldg. Close	d Loop Cod	oling (System 70)			
		•					do Nono Codo	Cogo
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	SA D31.1	19 <u>55</u> Edition, None	_ Addend	ia, <u>inone</u> Code	Case
Cas	(b) A se N-416-1		n of Section XI	Utilized for	Repairs or Replacer	ments 19	83 S'83 Refere	ence Code
6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	ts:	
	Name of component	Name of Manufacturer	Manufacturer' - s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5	System 70 Piping	M.W. Kellogg	N/A	N/A	CLASS 3 PIPING	1969	Replaced	NO
							,	
								
					,			-
	<u>ındry-drair</u>				assembly in 20" RB in Work Order 99-0			
8.	Tests Con	iducted:	,					
٠.	1000 001	Hydrostatic _	Pneuma	atic 🗌	Nominal Operating I	Pressure	Other [\boxtimes
		Pressure 85 ps	s <u>i</u> Test Te	mp. <u>64 °</u> F	Test Procee	dure: <u>Sys</u>	stem Leakage (1	<u>V-416-1)</u>
NO	TE:				ches, or drawings ma			

in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheach sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: This replacement was not the result of an inservice failure. Drain line components added to support operational mark-ups. Replacement materials: pipe (Cert.No.C-92-0075/Ht.no.L00503), sockolet (Cert.no.X3003734/S837), valve (Cert.no.C-99-0159/Ht.no.426564), cap (Cert.no.C-98-1321/Ht.no.9113), filler weld material ER70S-2 1/8"C-92-0072, E7018 3/32" C-98-1220, E7018 1/8" C-98-0070. NDE Reports of weld root and final passes: 1-3.00-99-0022, 1-4.00-99-0030, 1-4.00-99-0031. Final visual exams per QIR 1-99-0169. VT-2 per NDE Report No. 1-2.04-99-0102.

CE	CRTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the								
Type Code Symbol Stamp	NONE								
Certificate of Authorization No.	NONE Expiration Date NONE								
Signed:Owner	Maintenance Manager Date 8:11, 1999 T's Designee, Title								
<u></u>									
CERTIF	CERTIFICATE OF INSERVICE INSPECTION								
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>41399</u> to <u>91799</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.									
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.									
	Commissions NBB496 NY 2812 National Board, State, Province, and Endorsements								
Date <u>8/17</u> , 19 <u>99</u>									

D.	Owner	Niagara Mohay	vk Power Corp	oration		Dat	te <u>07/29/99</u>	
		P.O. Box 63, L	vcoming, NY	13093		She	eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir	nt			Un	it1	
	,	Lycoming, NY			Mechanical Main			<u> </u>
		Addre			Rep	air Organizatio	on P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	Type Cod	le Symbo	ol Stamp	<u>N/A</u>
		· <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriza	tion No.		<u>N/A</u>
			Yources	,	Expiration	n Date _		N/A
4.	Identificat	ion of System	Service Water	(System 72)	<u>) </u>			
		•			0	7 4 4 4	uda NI/A Cada	. C
5.	(a) A ₁	oplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, <u>NONE</u>	3_ Adde	nda, <u>N/A</u> Code	e Case
Ca	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum.'83 Ad	ld. Code
				Davis - 1				
6.	Identificat	tion of Compone	ents Repaired of	r Kepiaced a	and Replacement Co	mponent	:S:	
(Name of Component	Name of Manufacturer	Manufacturer' - s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
s	PIPING YSTEM 72	M.W. Kellogg	N/A	N/A	CLASS 3 Piping System	1969	Replaced	МО
]	BV-72-123 VALVE	Powell William Co.	93053	N/A	CLASS 3	1991	Replacement	МО
<u>AS</u>	escription o SME work Tests Con	plan in Work Or	<u>der 98-01304-0</u>	00 and DDC	and replace with new 1M00647A. Refere	nce DER	<u>1-91-0687.</u>	
-		Pressure NOP	* Test Te	mp. <u>60°</u> F	Test Procee	dure: <u>Sys</u>	stem Leakage	
V	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings ma ough 6 on this repor of sheets is recorded	t is inclu	ded on each sh	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. Valve replaced due to poor performance. Materials replaced: valve (Cert. No.C-91-0396/Ht. No.A-6045), flanges (Cert. No.C-90-0063/Ht. No.Q9024-A), elbow (Cert. No.X7A00118/Ht. No.DX6B), pipe (Cert. No.C-97-0299/Ht. No. L22569), studs (Cert. No.C-X4002770/Ht. No.ACB-B), nuts (Cert. No.C-98-0623/Ht. No.8077124), weld filler material (ER70S-2 3/32, C-97-1061/Ht. No.065651, 1/8, C-92-0072/Ht. No. F8080, E7018 C-98-1220/Ht. No.T50210), VT-2 per NDE Report 1-2,04-99-0225. NDE of welding per PT exams 1-3.00-99-0013, 0014, 0015, MT exams 1-4.00-99-0105, 0151.

Applicable Manufacturers Data Reports to be attached.

Date <u>8/2</u>, 1999

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the							
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE Expiration Date NONE							
Signed: Owner's or Owner	Maintenance Manager Date 7.30,1999							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4/0/11 to 3/2/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.								
Inspector's Signature	Commissions NB 3496 NY 2312 National Board, State, Province, and Endorsements							

	Owner	Nicassa Moha	vk Power Corp	oration		Dod	08/06/00	
	Owner	Name		Date <u>08/06/99</u>				
		P.O. Box 63, L	-	She	et <u>1</u> of <u>1</u>	•		
2.	Plant	Nine Mile Poir	n f			Un	it ·1	
4.	1 Idile	Name			MarkanialMain			1 00
		Lycoming, NY			Mechanical Main		on P.O. No., Job No., etc.	<u> </u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Type Cod	le Symbo	ol Stamp	N/A
		. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	093 Authoriza	tion No <u>.</u>		N/A
			Address	1	Expiration	n Date _		N/A_
А	Tdontifica	tion of Cristom	Emar Diagal G	anaratar (S	ustam 70)			
4.	Identifica	tion of System	Ellier, Dieser O	elierator (S	ystem 19)			
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SA B31,1	19 <u>55</u> Edition, None	Addend	la, <u>None</u> Code	Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	nents 19	83 'S83 Add, c	ode Case N-416-
_		•			• •			0
6.	Identifica	tion of Compone	ents Repaired of	r Kepiaced a	and Replacement Co	mponent	S:	
1	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.	•	Built	Replaced, or Replacement	· Code Stamped
							Replacement	(Yes or No)
	System 79	M.W. Kellogg	N/A	• N/A	Class 3	1969	Replaced	NO
L	Piping		•		Piping			
		,	1	,		,		
<u> </u>		ļ						
	****			<u></u>	<u> </u>			
D	escription o	f Work: Installe	d elbowlet on s	ix inch line	in accordance with	ASME V	Vork Plan in Wo	ork Order
98	<u>3-05951-02</u>	and DDC 1M00	638. Reference	DER 1-97-	<u>3359.</u>			
8.	Tests Cor	iducted: -						
		Hydrostatic _] Pneuma	atic 🗌 📑	Nominal Operating I	Pressure	Other [\boxtimes
		Pressure NOP	_ Test Te	mp. <u>60°</u> F	Test Proceed	iure: <u>Sys</u>	tem Leakage	
አ /	OTE:	Sunnlamantal	shoots in form o	flicte chote	ches, or drawings ma	n he 1150	d provided (1)	size is 8 x
b	OIL.	in. x 11 in., (2)	information in	items 1 thre	ough 6 on this report	t is inclu	ded on each sh	et, and (3)
					f sheets is recorded			а.

9. Remarks: This replacement was not the result of an inservice failure. Fittings welded into piping to support system cleaning. Materials installed: elbowlet (Cert.No. C-99-0442/Ht.no.853ZNR), pipe (Cert.No. C-98-0698/Ht.no. S42839), cap (Cert.No. X2002574/lot CJ91), weld filler material ER70S-2 1/16" Cert. 2B-1675/Ht.no.421N3602, 3/32" Cert. C-92-0072/Ht.no. F8080, 1/8" Cert. C-97-1061/Ht.no. 065651, E7018 3/32" Cert. C-98-1220/Ht.no.T-50210. MT exam of root pass per NDE Report 1-4.00-99-0016, final MT per 1-4.00-99-0017. VT-2 per NDE Report 1-2.04-99-0150. QIR report per 1-99-0161.

CERTIFICATE OF COMPLIANCE

Applicable Manufacturers Data Reports to be attached.

Date 8/17, 1999

We certify that the statements made in rules of the ASME Code, Section XI.	n the report are	correct and this		acement Replacement	conforms to the
Type Code Symbol Stamp	NONE				· · · · · · · · · · · · · · · · · · ·
Certificate of Authorization No.	NONE		Expiration	n Date	NONE
	Maintenance er's Designee, Title		<u>D</u> ate _	8.11	,19 <u>91</u> `
,		*		•	
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 8/17/99, and state that to the beand taken corrective measures describe ASME Code, Section XI. By signing this certificate neither the concerning the examinations and corrective Inspector nor his employer shall be loss of any kind arising from or connections.	mponents described in this Own Inspector nor lective measures the liable in any	ed by the Natikand employed in this Overledge and believer's Report in this employer manner for a manner for a described in the manner for a described.	onal Board yed by A wner's Rep ef, the Own a accordance hakes any y his Owner ny persona	d of Boile rkwright oort during ner has pe ce with the warranty, 's Report al injury of	t Mutual Ins. Co. of g the period 3/15/99 erformed examinations he requirements of the expressed or implied, Furthermore, neither or property damage or
✓ Inspector's Signature		Nationa	I Board, State	e, Province,	and Endorsements

						-		
	Owner	Niagara Mohay	vk Power Corp	<u>oration</u>		Dat	te <u>08/05/99</u>	
		P.O. Box 63, L Addre	ycoming, NY	<u>13093 </u>		She	eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir	nt			Un	it <u>1</u>	
		Lycoming, NY Addre		···········	Mechanical Mair		WO # 98-0520 on P.O. No., Job No., etc.	<u>)1-00</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Туре Сос	ie Symbo	ol Stamp	N/A_
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriza	ation No <u>.</u>		N/A
			Address		Expiratio	n Date _		N/A
4.	Identifica	ion of System	Containment S	nrav Raw W	Vater (System 93)			
٦.		•						
5.	(a) A ₁	pplicable Constr	uction Code <u>A</u>	SA B31.1	19 <u>55</u> Edition, None	_ Addeno	la, <u>None</u> Code	: Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	83 S'83 Add.	
6	Idontifico	ion of Company	nta Danairad as	r Danlaged s	and Replacement Co	mnonant	· c ·	
6.	Identifica	non of Compone	mis Kepaned Oi	- Kepiaced a	ind Replacement Co	mponem		
O,	Name of Component	Name of Manufacturer	Manufacturer's s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	93 CNT-SP Raw Water	M.W. Kellogg	N/A	- N/A	CLASS 3 Piping System	1969	Replacement	ИО
	,	<u> </u>						
-								
L			1	i		<u></u>	1	J
		f Work: <u>Remov</u> Work <u>Order 98</u>			placed with welded	cap in ac	cordance with A	ASME
W	ork Pian in '		0521 -00. Relei 05201-00 c.Ru					
8.	Tests Cor	_	.	. 🗀 .		_		\Box
		Hydrostatic	Pneuma	atic	Nominal Operating	Pressure	Other	<u>کا</u>
		Pressure 145	osi Test Te	mp. <u>N/A°</u> l	F Test Proce	dure: <u>N1</u>	<u>-IST-GEN-FUN</u>	J Att. 3B
N	OTE:	in. x 11 in., (2)	information in	items 1 thre	hes, or drawings mo ough 6 on this repor f sheets is recorded	t is inclu	ded on each she	

9. Remarks: This replacement was not the result of an inservice failure. Valve removed and pipe capped to be consistent with PSRS requirements (ref. DER 1-98-0784), Replacement material: cap (Cert.No. X3003254), weld material E7018 3/32 Cert.No. C-98-1220/Ht.no. T50210. Final weld inspection per QIR 1-99-0294. VT-2 per NDE Report 1-2.04-99-0252.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this _	Replacement conforms to the						
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE E	Expiration Date <u>NONE</u>						
Signed: Owner's or Owner	Maintenance Manager	Date <u>&·II</u> ,19 <u>91</u>						
CERTIF	ICATE OF INSERVICE INS	PECTION						
Inspectors and the State or Province Massachusetts have inspected the come to $\frac{9/17/99}{19}$, and state that to the best	of <u>New York</u> and employed apponents described in this Own at of my knowledge and belief,	nal Board of Boiler and Pressure Vesseld by Arkwright Mutual Ins. Co. of the of the Owner has performed examinations accordance with the requirements of the						
concerning the examinations and corre-	ctive measures described in this e liable in any manner for any	kes any warranty, expressed or implied, s Owner's Report. Furthermore, neither personal injury or property damage or						
Lynn Danlersn (Inspector's Signature Date <u>8/17</u> , 19 99	Commissions <u>NB8496</u> National B	NY 2812 Toard, State, Province, and Endorsements						

Y	Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>11/16/98</u>			
••	•	Nam					eet <u>1</u> of <u>1</u>			
		Addr			*		· · · · · · · · · · · · · · · · · · ·	-		
2.	Plant	Nine Mile Poi				Un	it1			
		Lycoming, N	7 13093		Mechanical Mair		WO # 96-0345 on P.O. No., Job No., etc.	<u>56-01</u>		
3.										
ч		. <u>PO</u>	Name Box 63, Lycon	ning, NY 13	093 Authoriza	ation No.	·	N/A		
			Address		Expiratio	n Date _		N/A		
4.	Identificat	ion of System	CRAC-Contro	i Room HV	'AC					
5.	(a) Ap	onlicable Const	nuction Code A	ISC 8th Fd	ition, <u>N/A</u> Addenda	a N/A (Code Case			
٥.	•	-	*		и					
	(b) A _l	oplicable Editio	n of Section XI	Utilized for	Repairs or Replace	ments 19	83, Sum, '83 A	DD.		
6.	Identificat	ion of Compon	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:			
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
HT:	X-210.1-119	Carrier Corp.	N/A	N/A	ÇLASS 3 Seismic Restraint	1969	Replacement	NO		
			,							
De:	scription of ME Work	Work: <u>Install</u> Plan in Work C	seismic restrain rder 96-03456-	ts at two (2)	location on Control No. 1S00244C. Re	Room C	Chiller HTX-210 DER No. 1-95-3	0.1-119 per 216.		
		-				-				
0	Tests Con	duatadı								
8.	Tests Com	Hydrostatic	Pneuma	ntic 🔲 📑 1	Nominal Operating F	ressure	Other [
h		Pressure N/A	Test Te	mp. <u>N/A</u>	F Test Proceed	lure: <u>N/A</u>	<u>.</u>			
NO	TE:	in. x 11 in., (2)	information in	items 1 thro	hes, or drawings ma ough 6 on this report f sheets is recorded o	' is includ	ded on each she	size is 8 x et, and (3)		

9. Remarks: This replacement was not the result of an inservice failure, Installation and inspection of seismic restraints at two (2) location on Control Room Chiller HTX-210.1-119 per DDC No. 1S00244C. Reference QIR No. 1-98-0204 for final visual exam of welds. Reference certifications for materials used for fabrication and installation of seismic restraints: C-98-0195 (Ht. No. C44716) Tube steel, C-98-0089 (Ht. No. 314700) Tube steel, C-98-1098 (Ht. No. B31308) Tube steel, C-98-1098 (Ht. No. U947) Plate, C-97-1152 (Ht. No. 5B21361) Plate, C-95-0940 (Ht. No. C72103) Bolt(s), C-95-0272 (Ht. No. Y334350) Nut(s), C-96-0214 (Ht. No. 76970) Weld rod, and C-96-1186 (Ht. No. 104931) Weld rod. Reference DER No. 1- 95-3216.

CERTIFICATE OF COMPLIANCE								
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.								
Type Code Symbol Stamp	NONE							
Certificate of Authorization No.	NONE	*4	Expiration Date NONE					
Signed: Owner's or Ov	When the Designee, Title	Manager	Date 1 · 5	,19 <u>99</u> ,				
		a	•					

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>Arkwright Mutual Ins. Co.</u> of <u>Massachusetts</u> have inspected the components described in this Owner's Report during the period <u>7,29,78</u> to <u>1,6,49</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Lum Dandus	 Commissions 	NB 8496 NY 2812
Inspector's Signature		. National Board, State, Province, and Endorsements

Date 1/6, 1999

_									
	Owner	Niagara Moha	wk Power Corp	oration		Da	te <u>04/27/98</u>		
	Owner	Nam					eet <u>1</u> of <u>1</u>	•	
		Address Shoot 1							
2.	Plant	Nine Mile Poi				Ur	nit <u>1</u>		
		Lycoming, N	7 13093		Mechanical N		WO # 96-032		
		Addr	es		1	Repair Organizati	ion P.O. No., Job No., etc.		
3.	Work Per	formed by Nia	agara Mohawk I Name	Power Corp		•	ol Stamp	N/A_	
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	Author	orization No	·	N/A	
					Expir	ation Date_		N/A_	
4.	Identificat	ion of System	CRAC-Contro	l Room HV	AC_				
5.	(a) A ₁	onlicable Const	nuction Code A	ISC 8th Ed	lition, <u>N/A</u> Add	enda N/A	Code Case		
٥.		-							
	(b) A ₁	pplicable Editio	n of Section XI	Utilized for	Repairs or Repl	acements 19	9 <u>83, Sum. '83 A</u>	<u>DD.</u>	
6.	Identificat	ion of Compon	ents Repaired o	r Replaced a	and Replacement	Component	ts:		
	Nama of	Name of	Manufacturer'	National	Other Identificati	on Year	Repaired,	ASME	
	Name of Component	Manufacturer	s Serial No.	Board No.	Odiei identificati	Built	Replaced, or Replacement	Code Stamped (Yes or No)	
нт	X-210.1-120	Carrier Corp.	N/A	-N/A ·	CLASS 3 Seism Restraint	ic 1969	Replacement	NO	
<u> </u>		·							
-			<u> </u>		·				
De AS	scription o	f Work: <u>Install</u> Plan in Work C	seismic restrain order 96-03271-	ts at two (2)	location on Cor No. 1S00244B	trol Room (Reference	Chiller HTX-21 DER No. 1-95-	0.1-120 per 3216.	
^		du aka di							
8.	Tests Con	ducted: Hydrostatic	Pneuma	atic 🗌 📑	Nominal Operati	ng Pressure	Other		
		Pressure N/A	Yest Te	mp. <u>N/A</u>	°F Test Pro	ocedure: <u>N/</u>	<u>4</u>		
	OTE:	in. x 11 in., (2)) information in	items I thro	hes, or drawings ough 6 on this re f sheets is record	port is inclu	ded on each she	size is 8 x eet, and (3)	

9. Remarks: This replacement was not the result of an inservice failure. Installation and inspection of seismic restraints at two (2) location on Control Room Chiller HTX-210.1-120 per DDC No. 1S00244B.

Reference QIR No. 1-98-0050 for final visual exam of welds. Reference certifications for materials used for fabrication and installation of seismic restraints: C-98-0195 (Ht. No. C44716) Tube steel, C-98-0089 (Ht. No. 314700) Tube steel, C-97-0384 (Ht. No.263405) Tube steel, C-97-1052 (Ht. No. R525) Plate, C-97-1152 (Ht. No. 5B21361) Plate, C-95-0940 (Ht. No. C72103) Bolt(s), C-95-0272 (Ht. No. Y334350) Nut(s), C-96-0214 (Ht. No. 76970) Weld rod, and C-96-1186 (Ht. No. 104931) Weld rod. Reference DER No. 1-95-3216.

CERT	CERTIFICATE OF COMPLIANCE								
We certify that the statements made in the rules of the ASME Code, Section XI.	e report are correct		olacement or Replacement	conforms to the					
Type Code Symbol Stamp N	ONE								
Certificate of Authorization No.	NONE .	Expirati	on Date N	ONE					
Signed: Owner's or Owner's D	Mant M	Janyre	Date 1 ·	5 ,1999					
Owner's or Owner 3 L	Jesignee, Tine	•							
	. <u></u>	·							
CERTIFICA	ATE OF INSERV	TCE INSPECT	ION						
I, the undersigned, holding a valid comm Inspectors and the State or Province of Massachusetts have inspected the compo to 11019, and state that to the best o and taken corrective measures described ASME Code, Section XI.	New York and onents described in of my knowledge a	employed by this Owner's R nd belief, the O	Arkwright leport during to when has perf	Mutual Ins. Co. of the period 3/6/98 formed examinations					
By signing this certificate neither the Inspector concerning the examinations and corrective the Inspector nor his employer shall be listed to be any kind arising from or connected	ve measures descri iable in any mann	bed in this Owner or for any perso	er's Report. 🗎	Furthermore, neither					
Inspector's Signature	mmissions <u>NB</u>	8496 National Board, St	1 Y 2 8 1 2 ate, Province, and	d Endorsements					
Date 1/6, 1999									

			-		1			
	Owner	Niagara Mohav	vk Power Corpe	oration		Dat	te <u>12/09/98</u>	
		Name					et <u>1</u> of <u>1</u>	
		Addre		15055		J.i.	,,,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,	
2	Plant	Nine Mile Poir	n t			Un	it <u>1</u>	
	2	Name Lycoming, NY		···	Mechanical Main	tenance	WO # 98-0088	8-02
		Addre			Rep	air Organizatio	on P.O. No., Job No., etc.	0_02
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Type Cod	le Symbo	ol Stamp	N/A
		•	Name Box 63, Lycom			tion No <u>.</u>		` N/A
			Address	<u> </u>				N/A
					Dapitation			<u></u>
4.	Identifica	tion of System	DG - Emergen	cy Diesel G	enerator	•		
5.	(a) A	nnlicable Constr	uction Code A	SA B31.1	19 <u>55</u> Edition, <u>N/A</u>	Addend	a, N/A Code C	Case
٠.								
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	83, Sum. '83 A	<u>DD.</u>
6.	Identifica	tion of Compone	ents Renaired or	r Replaced a	and Replacement Co	mponent	:s:	
•	1001111100							
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.		Built	Replaced, or Replacement	Code Stamped
							-	(Yes or No)
H	TX-79-03	Young Radiator Co.	2694620	* N/A	CLASS 3	1996	Replacement	МО
		Radiator Co.			b			
				,		ļ	ļ	
						<u> </u>		
1		į	{				ĸ	
L			<u> </u>		·			<u> </u>
ח	escription o	f Work: Replac	ed heat eychano	ver ner ASN	1E Work Plan in Wo	rk Order	- 98-00888-02 o	n
E	mergency D	iesel Generator	102. Reference	DER 1-98	<u>-1962.</u>			=
				•				
8.	Tests Cor	_	Pneuma	ا أ	Nominal Operating l	Draccura	Other	\neg
		Hydrostatic	_ Fileullia		Hommar Operating 1	1033016	∠√ Other [
	ч	Pressure <u>NO</u>	P Test Te	mp. <u>N/A</u>	• Test Proce	dure: <u>N1</u>	<u>-ST-M4</u>	
_N	OTE:	Supplemental .	sheets in form o	of lists, sketc	ches, or drawings ma	y be use	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items I thre	ough 6 on this repor	t is inclu	ded on each she	et, and (3)
		each sheet is n	umbered and th	ne number o	f sheets is recorded	at the to	p of this form.	

9. Remarks: This replacement was not the result of an inservice failure. Heat exchanger serial no. 2694620 replaced by serial no 2813075. VT-2 per NDE Report No. 1-2,04-98-0027.

. CE	ERTIFICATE OF COM	PLIANCE	
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and	this Replacement Repair or Replacement	conforms to the
Type Code Symbol Stamp	NONE		
Certificate of Authorization No.	NONE	Expiration DateNONE	<u>; </u>
Signed:Owner's or Owner	Designee, Title	Date 12.30	,19 <u>78</u> _
		•	
CERTIF	ICATE-OF INSERVIC	E INSPECTION	
I, the undersigned, holding a valid co Inspectors and the State or Province Massachusetts have inspected the corto 12/31/98, and state that to the be and taken corrective measures describe ASME Code, Section XI.	e of New York and em mponents described in this est of my knowledge and b	ployed by <u>Arkwright Muture</u> s Owner's Report during the poelief, the Owner has performed	ual Ins. Co. of eriod <u>u19198</u> ed examinations
By signing this certificate neither the concerning the examinations and corrected the Inspector nor his employer shall loss of any kind arising from or connections.	ective measures described be liable in any manner f	in this Owner's Report. Furth	nermore, neither
Lynn W Andern Inspector's Signature	Commissions NB 84	96 NY 2812 tional Board, State, Province, and End	orsements
Date 12 31 , 19 98			

								
0	Owner	Niagara Mohay	vk Power Corp	oration		Dat	te 12/09/98	
•	Owner	Name	ycoming, NY				eet <u>1</u> of <u>1</u>	
		Addre						•
2.	Plant	Nine Mile Poir				Un	it <u>·1</u>	
		Lycoming, NY	13093		Mechanical Main		WO # 98-0517	<u>′5-00</u>
					•	•		N T/A
3.	Work Per	• —	gara Mohawk P		 ,.	·	ol Stamp	N/A
		. <u>PO</u>	Box 63, Lycom Address	ing, NY 13			-	N/A
					Expiration	n Date _	-	<u>N/A</u>
4.	Identification	tion of System	DG - Emergen	cy Diesel G	enerator_			
5.	(a) A	pplicable Constr	uction Code A	SA B31.1	19 <u>55</u> Edition, <u>N/A</u>	Addend	a, <u>N/A</u> Code (Case
					Repairs or Replacer			
	` ,				i th at			
6.	Identifica	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	ts:	
D	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
НТ	X-79-04	Young Radiator Co.	2693001 -	- N/A	CLASS 3	1996	Replacement	МО
		,		,				
			9					
De En	nergency D	of Work: Replace Diesel Generator and ucted: Hydrostatic	102, Reference	<u>DER 1-98</u>	1 1E Work Plan in Wo -1962. Nominal Operating I			
		Pressure <u>NO</u>	P Test Te	emp. <u>N/A</u>	°F Test Procee	dure: <u>N1</u>	<u>-ST-M4</u>	
D ^{NO}	OTE:	in. x 11 in., (2)) information in	items 1 thr	ches, or drawings ma ough 6 on this report of sheets is recorded	t is inclu	ded on each sh	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. Heat exchanger serial no. 2693001 replaced by serial no 2422086. VT-2 per NDE Report No.1-2.04-98-0027.

				·····	
, CE	RTIFICATE	OF COMPLIA	ANCE		
We certify that the statements made in rules of the ASME Code, Section XI.	the report are	correct and this	Replacemen Repair or Replaceme		forms to the
Type Code Symbol Stamp	NONE				
Certificate of Authorization No.	NONE		Expiration Date	NONE	
Signed: Stree Sch	r's Designee Title	inerst	Date	12.30	,19 <u>_9</u> &
Owner Sor Over	I S Designee, 1140				
	•				
CERTIF	TCATE OF I	NSERVICE IN	SPECTION		
I, the undersigned, holding a valid co Inspectors and the State or Province Massachusetts have inspected the corto 12/2/1/98, and state that to the be and taken corrective measures describ ASME Code, Section XI.	of New York mponents described of my know	k and employ ribed in this Ovaledge and belie	ved by <u>Arkwri</u> vner's Report du ef, the Owner has	ght Mutual ring the perio performed e	Ins. Co. of od <u>11/20/98</u> examinations
By signing this certificate neither the concerning the examinations and correct the Inspector nor his employer shall toss of any kind arising from or connections.	ective measure be liable in any	s described in the substitution of the second second in the second secon	his Owner's Rep	ort. Furthern	nore, neither
Inspector's Signature	Commissions	NB 8416 National	NY 2812 1 Board, State, Provin	ce, and Endorser	ments
Date 12/3/ , 19 98					

	Owner		wk Power Corp	oration		Dat	te <u>08/05/99</u>	
		P.O. Box 63, I	Lycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poi	3			Un		
		Lycoming, NY		<u> </u>	<u>Mechanical Mai</u>		WO # 98-033] on P.O. No., Job No., etc.	4-04
3.	Work Per	formed by Nis	agara Mohawk F	Power Corp.	Type Co	de Symbo	ol Stamp	N/A
		· <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriz	ation No <u>.</u>		N/A
					Expiration	on Date _		N/A_
4.	Identificat	ion of System	PCS (TORUS)					
5.	(a) A ₁	onlicable Const	ruction Code A	SMF III 10	9 <u>65</u> Edition, <u>Sub. S</u>	ect R A	ddenda N/A (ode Case
٥.		-	•					
	(b) A	pplicable Editio	n of Section XI	Utilized for	Repairs or Replace	ments 19	92, '92 Add. •	
6.	Identificat	ion of Compon	ents Repaired or	r Replaced a	and Replacement Co	omponent	s:	
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.	Outer recitations	Built	Replaced, or Replacement	Code Stamped (Yes or No)
	TORUS	CB&I	G1293	· N/A	CLASS MC	1965	Replacement	YES
			•					
				•	,			,
						<u> </u>		<u> </u>
De	escription o	f Work: Install	new Torus hatc	h studs and	nuts for penetration	hatches,	XS-310, XS-31	1 and XS-
<u>31</u>	2 in accord	ance with ASM	E work plan in	Work Order	98-03314-04. Refe	rence DE	R 1-1999-1074	<u>.</u>
8.	Tests Con	ducted: -						
		Hydrostatic [Pneuma	atic 🔲 📑	Nominal Operating	Pressure	Other	\boxtimes
		Pressure 34.6	Test Temp. N/	<u>A°</u> F	Test Procedure: N	11-TSP-20	01-001 Rev. 4	
No	OTE:	in. x 11 in., (2)) information in	items I thre	thes, or drawings m ough 6 on this repo f sheets is recorded	rt is inclu	ded on each she	

9. Remarks: This replacement is not the result of an inservice failure. Torus penetration XS-310, XS-311 and XS-312 hatch studs and nuts did not comply with design drawing F-48271-C and are being replaced per DER 1-1999-1074 disposition. New studs Heat code MBE. New nuts Heat code DJQ. This work includes final acceptance and establishment of PSI baseline. Refer to NMPC NDE reports for each hatch as listed. Torus hatch XS-310: VT-1 (bolting) 1-2.04-99-0223, Torus hatch XS-311: VT-1 (bolting) 1-2.04-99-0224, Torus hatch XS-312: VT-1 (bolting) 1-2.04-99-0222, VT-2 per 1-2.04-99-0270.

Applicable Manufacturers Data Reports to be attached.

Date <u>\$117</u>, 19 99

· C	ERTIFICATE OF COMPL	IANCE				
We certify that the statements made in rules of the ASME Code, Section XI.		S Replacement Repair or Replacement	conforms to the			
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	Expiration Date NONE				
Signed:Owner's or Owner	Maintenance Manager er's Designee, Title	Date _ \$ · (\	,19 <u>.7</u>			
		•				
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel						
Inspectors and the State or Province Massachusetts have inspected the cost to \$117199, and state that to the beand taken corrective measures describe ASME Code, Section XI.	e of New York and employ mponents described in this Ovest of my knowledge and believed.	yed by <u>Arkwright Mutu</u> wner's Report during the po of, the Owner has performe	al Ins. Co. of criod 415199 d examinations			
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, oncerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither he Inspector nor his employer shall be liable in any manner for any personal injury or property damage or oss of any kind arising from or connected with this inspection.						
Lynn D Andersn Inspector's Signature	Commissions <u>L/B 8496</u> National	Board, State, Province, and Endo	rsements			
4			4			

-	•							
J.	Owner	Niagara Mohav	wk Power Corp	<u>oration</u>		Dat	te <u>08/05/99</u>	
		P.O. Box 63, L	ycoming, NY	<u>13093 </u>		She	eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY	13093		Mechanical Main			<u> 14-06</u>
		Addre	33		Ke	pair Organizatio	on P.O. No., Job No., etc.	
3.	Work Per	formed by Nia	gara Mohawk F Name	Power Corp.		•	ol Stamp	
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriz	ation No <u>.</u>		<u>N/A</u>
					Expiratio	n Date _		N/A
4.	Identifica	tion of System	Torus (PCS)					
5.	(a) A	nnlicable Constr	action Code A	SMF III 1	965 Sub. B Edition,	N/A A	ddenda N/A (Code Case
٥.		•						
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	92, 92 Add.	
6.	Identifica	tion of Compone	ents Repaired of	r Replaced a	and Replacement Co	mponent	s:	
2		T		N. C. C. C. C. C. C. C. C. C. C. C. C. C.			Danaisad	ASME
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	TORUS	Chicago Bridge&Iron	G-1293	• N/A	CLASS MC	1965	Replacement	YES
	•	,		A				
<u> </u>	1					<u> </u>		
							1	
	Description of Work: Install new support baseplates (2) as part of the Torus ECCS suction strainer modification N1-96-005. Support baseplates installed per ASME work plan in Work Order 98-03314-06 and DDC 1M00686.							
	A	-						
8.	Tests Cor	iducted: Hydrostatic	Pneum	atic 🗌	Nominal Operating	Pressure	Other	\boxtimes
		Pressure 34.6	psig Test Te	emp. <u>N/A °</u>	F Test Proce	dure: <u>N1</u>	-TSP-201-001	R/04
V	OTE:	in. x 11 in., (2)	information in	items 1 thre	thes, or drawings mo ough 6 on this repor of sheets is recorded	t is inclu	ded on each sh	size is 8 x eet, and (3)

9. Remarks: This replacement was not the result of an inservice failure. Support baseplates installed as part Modification N1-96-005. Installed materials include: plates (Cert.No.C-99-0167/Ht,No.401A3431) weld filler material E7018 3/32 (Cert.No. 98-1220/Ht.No. T50210), 1/8 (Cert.No. 98-0070/Ht.No. 107165).

Performed VT-1 examination to reestablish PSI baseline per NDE Report No. 1-2.04-99-0209. MT per NDE Reports 1-4,00-99-0128 and 1-4.00-99-0110. VT-2 per NDE Report No. 1-2.04-99-0269.

CE	RTIFICATE OF COMPLIA	NCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this	Replacement conforms to the
Type Code Symbol Stamp	NONE	
Certificate of Authorization No.	NONE I	Expiration Date <u>NONE</u>
Signed:Owner's owner	Maintenance Manager 's Designee, Title	Date <u>% \\\</u> ,19 <u>99</u>
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the com to 9/17/49, and state that to the bes and taken corrective measures describe ASME Code, Section XI. By signing this certificate neither the Inspectors of the Inspector of the Inspe	of New York and employed uponents described in this Own tof my knowledge and belief, and in this Owner's Report in a support of the control o	al Board of Boiler and Pressure Vessel d by Arkwright Mutual Ins. Co. of ner's Report during the period 4/13/99 the Owner has performed examinations accordance with the requirements of the kes any warranty, expressed or implied, s Owner's Report. Furthermore, neither
the Inspector nor his employer shall be loss of any kind arising from or connect	e liable in any manner for any ted with this inspection.	personal injury or property damage or
Inspector's Signature	Commissions <u>ND 8496</u> National B	NY 2812 Foard, State, Province, and Endorsements

P	Owner	Niagara Moha	wk Power Corp	oration		Dat	te <u>08/05/99</u>	
	Owner	Name					•	
		P.O. Box 63, L Addre	ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	-
^	Dlant	Nuna Mila Daia				¥ 7	: ₄ 1	
2.	Plant	Nine Mile Poir				Un		-
		Lycoming, NY			Mechanical Main		WO # 98-033 1 on P.O. No., Job No., etc.	<u>14-08</u>
_	4				-	-		
3.	Work Per	formed by Nia	gara Mohawk F	Power Corp.	Type Cod	e Symbo	ol Stamp	N/A_
		. <u>PO</u>	Box 63, Lycon	ning, NY 13	093 Authoriza	tion No.		N/A
			Autics		Expiration	n Date _		N/A
	T.1416			,			4	
4.	Identifica	tion of System	Torus (PCS)		-		ч	
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SME III I	965 Sub. B Edition,	<u>N/A</u> A	ddenda, <u>N/A</u> (Code Case
				1.A				
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	nents 19	92, 92 Add.	
6.	Identifica	tion of Compone	ents Repaired o	r Replaced a	and Replacement Co	mponent	s:	
					<u>-</u>	-	T	·
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.	•	Built	Replaced, or Replacement	Code Stamped
		.					торшоото	(Yes or No)
	TORUS	Chicago	G-1293	- N/A	CLASS MC	1965	Replacement	YES
		Bridge&Iron						

		j		,	,			
	1	1					*	
					•			
			_	4 45				
					as part of the Torus c plan in Work Order			
17	, ,	арроп оазерган	es mstaned per_	ASIVIL WOLL	Cpian in Work Orde	1_20-033	14-00 and DDC	<u> </u>
8.	Tests Con		7 n	🗀 .	Noneta al Ou anadia a r	*		\triangleleft
		Hydrostatic	Pneuma	atic	Nominal Operating F	ressure	Other [\triangle
qi		Pressure 34.6	psig Test Te	mp. <u>N/A°</u> I	F Test Proced	lure: <u>N1</u> -	-TSP-201-001 I	<u>2/04</u>
	OTE:	Supplemental :	sheets in form o	of lists, sketo	hes, or drawings ma	y be use	d, provided (1)	size is 8 x
		in. x 11 in., (2)	information in	items 1 thre	ough 6 on this report	is inclu	ded on each she	
		each sheet is n	umbered and th	ne number o	f sheets is recorded a	at the top	o of this form.	

9. Remarks: This replacement was not the result of an inservice failure. Support baseplates installed as part of Modification N1-96-005. Installed materials include: plates (Cert.No.C-99-0167/Ht.No.401A3431) weld filler material E7018 3/32 (Cert.No. 98-1220/Ht.No. T50210), 1/8 (Cert.No. 98-0070/Ht.No. 107165). Performed VT-1 examination to reestablish PSI baseline per NDE Report No. 1-2.04-99-0211. MT per NDE Reports 1-4.00-99-0111 and 1-4.00-99-0112, VT-2 per NDE Report No. 1-2.04-99-0269.

CE.	RTIFICATE OF COMPL	IANCE			
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and thi	s <u>Replacement</u> conforms to the			
Type Code Symbol Stamp	NONE				
Certificate of Authorization No.	NONE	Expiration DateNONE			
Signed:	Maintenance Manager	Date <u>§·\\</u> ,19 <u>97</u>			
Owner's or Owner	's Designee, Title				
CERTIF	ICATE OF INSERVICE IT	SPECTION			
Inspectors and the State or Province Massachusetts have inspected the conto 8/17/19, and state that to the best	of New York and employ apponents described in this Out of my knowledge and believed.	onal Board of Boiler and Pressure Vessel yed by Arkwright Mutual Ins. Co. of wner's Report during the period 413/99 ef, the Owner has performed examinations a accordance with the requirements of the			
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.					
Lynn 19 Anderson of Inspector's Signature Date 8/17, 1999	Commissions <u>NB 8496</u> Nationa	1 Board, State, Province, and Endorsements			

-				•				
	Owner		wk Power Corp	<u>oration</u>		Dat	te <u>08/05/99</u>	
		P.O. Box 63, I	ycoming, NY	13093		She	eet <u>1</u> of <u>1</u>	-
2.	Plant	Nine Mile Poi	nt			Un	it1	
		Lycoming, NY	13093		Mechanical Main		WO # 98-033]	4-07
3.	Work Per		gara Mohawk F	Power Corp.		-	ol Stamp	N/A
•	., 01 2 0.	, <u> </u>	Name Box 63, Lycom			•		
		-	Address		Expiration	n Date _		N/A
4.	Identifica	tion of System	Torus (PCS)					
		•		 CME III 1	065 Sub B Edition	NI/A A.	ddanda NI/A (Code Care
5.	• • • • • • • • • • • • • • • • • • • •	· -			965 Sub. B Edition,			Loue Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	ments 19	92, 92 Add.	
6.	Identifica	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (Yes or No)
	TORUS	Chicago Bridge&Iron	G-1293	- N/A	CLASS MC	1965	Replacement	YES
		,						
-			·					
					,	!		
					as part of the Torus k plan in Work Orde			
	•	H er						
8.	Tests Cor	iducted: Hydrostatic [Pneuma	atic	Nominal Operating I	Pressure	Other [\boxtimes
		Pressure 34.6	<u>psig</u> Test Te	mp. <u>N/A°</u>	F Test Proceed	lure: <u>N1</u>	-TSP-201-001 I	R/04
J.	OTE:	in. x 11 in., (2)	information in	items 1 thr	thes, or drawings ma ough 6 on this report of sheets is recorded	t is inclu	ded on each sh	

9. Remarks: This replacement was not the result of an inservice failure. Support baseplates installed as part a Modification N1-96-005. Installed materials include: plates (Cert.No.C-99-0167/Ht.No.401A3431) weld filler material E7018 3/32 (Cert.No. C-98-1220/Ht.No.T50210), 1/8 (C-99-0245/Ht.No. 114590 and C-98-0070/Ht.No. 107165). Performed VT-1 examination to reestablish PSI baseline per NDE Report No. 1-2.04-99-0210. MT per NDE Reports 1-4.00-99-0129 and 1-4.00-99-0130. VT-2 per NDE Report No. 1-2.04-99-0269.

. CERTIFICATE OF COMPLIANCE							
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. Repair or Replacement							
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE	Expiration Date NONE					
Signed:	Maintenance Man	nager Date <u>& 111</u> ,1999					
Owner:s or Own	er's Designee, Title						
CERTII	FICATE OF INSERVIC	CE INSPECTION					
Inspectors and the State or Province Massachusetts have inspected the co to $\frac{8/17/99}{1}$, and state that to the be	e of New York and en mponents described in the est of my knowledge and	National Board of Boiler and Pressure Vessel mployed by <u>Arkwright Mutual Ins. Co.</u> of his Owner's Report during the period <u>4113199</u> belief, the Owner has performed examinations ort in accordance with the requirements of the					
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Lynn D Andersm Inspector's Signature	Commissions NB 84	496 NY 2812 Vational Board, State, Province, and Endorsements					
Date 8/17, 1999		•					

J.	Owner	Niagara Mohay	wk Power Corp	<u>oration</u>		Dat	e <u>08/05/99</u>	
		P.O. Box 63, L	ycoming, NY	13093		She	et <u>1</u> of <u>1</u>	
_			1					
2.	Plant	Nine Mile Poir				Un		
		Lycoming, NY			Mechanical Main		WO # 98-0331 on P.O. No., Job No., etc.	<u>4-05</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.	Type Cod	e Symbo	ol Stamp	, N/A
		. PO	Name Box 63, Lycom	ning, NY 13	093 Authoriza	tion No <u>.</u>		N/A
			Address			n Date _		N/A_
4	T.J4:6	U C. Caratana	T (DCC)		•			
4.	Identifica	tion of System	Torus (PCS)			•		
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SME III 1	965 Sub. B Edition,	<u>N/A</u> A	ddenda, <u>N/A</u> (Code Case
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	nents 19	92, 92 Add.	
_		•			•	,		
6.	Identifica	tion of Compone	ents Repaired of	r Kepiaced a	and Replacement Co	mponent	S:	
7	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.		Built	Replaced, or Replacement	- Code Stamped
							<u>-</u>	(Yes or No)
	TORUS	Chicago Bridge&Iron	G-1293	- N/A	CLASS MC	1965	Replacement	YES
-		,						
<u> </u>								
L								
De	escription o 1-96-005 S	f Work: <u>Install:</u> upport baseplate	new support bases installed per	seplates (2) ASME worl	as part of the Torus c plan in Work Orde	<u>ECCS su</u> r 98-033	iction strainer n	iodification 1M00686.
<u> </u>	,	apport ousepiate	,	10.112 WO.				
8.	Tests Cor	- iducted:						
0.	10313 001	Hydrostatic [] Pneuma	atic 🗌 📑	Nominal Operating I	Pressure	Other [\boxtimes
		Decamo 246	nair Tost To	NT/A 0 1	Tost Droco	lurai NII	-TSP-201-001 I	2/4
		Pressure 34.6	hzik test te	mp. <u>N/A°</u> l	r iest piocec	iui 6. <u>191</u> 4	-13r-201-001 I	<u> </u>
M	OTE:				ches, or drawings ma			
					ough 6 on this report f sheets is recorded			ei, ana (3)
		,			•			

9. Remarks: This replacement was not the result of an inservice failure. Support baseplates installed as part of Modification N1-96-005. Installed materials include: plates (Cert.No. C-99-0167/Ht.No.401A3431) weld filler material E7018 3/32 (Cert.No. C-98-1220/Ht.No.T50210), 1/8 (C-99-0245/HtNo.114590 and C-98-0070/Ht.No.107165). Performed VT-1 examination to reestablish PSI baseline per NDE Report No. 1-2.04-99-0208. MT per NDE Reports 1-4.00-99-0113 and 1-4.00-99-0118. VT-2 per NDE Report No. 1-2.04-99-0269.

CE	RIFICATE OF	COMPLIA	ANCE	
We certify that the statements made in rules of the ASME Code, Section XI.	the report are cor	rect and this	Replacement Repair or Replacement	conforms to the
Type Code Symbol Stamp	NONE		•	······································
Certificate of Authorization No.	NONE		Expiration Date <u>NONE</u>	
Signed: Owner or Owner	Maintenance r's Designee, Title	Manager	Date _ <u>% ' \</u>	,19 <u>99</u>
		•		
CERTIF	ICATE OF INSE	RVICE IN	SPECTION	
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the conto 4)17/199, and state that to the best and taken corrective measures describe ASME Code, Section XI.	of New York and ponents described stof my knowledge	and employed in this Ow ge and belief	ed by <u>Arkwright Muter</u> ner's Report during the p f, the Owner has performe	ual Ins. Co. of period 4/13/99 ed examinations
By signing this certificate neither the laconcerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising-from or connect	ctive measures de e liable in any ma	scribed in th anner for an	is Owner's Report. Furth	nermore, neither
Zmn D andersm (Inspector's Signature	Commissions <u>N</u>	<u>B 8 4 9 6</u> National I	NY 2812 Board, State, Province, and End	orsements
Date <u>6/17</u> , 19 <u>99</u>				

Ţ	Owner	Name	ycoming, NY		*	Dat She	eet <u>08/17/99</u> eet <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir				Uni	it <u>-1</u>	
		Lycoming, NY Addre	13093		Mechanical Mair	ntenance pair Organization	WO # 99-0188 on P.O. No., Job No., etc.	<u>4-00</u>
3.	Work Per	formed by Nia	gara Mohawk P	ower Corp.		ie Symbo	ol Stamp	N/A
		, <u>PO</u>	Box 63, Lycom	ing, NY 13	093 Authoriza	ation No <u>.</u>		<u>N/A</u>
			Aoutess		Expiratio	n Date _		N/A
4. 5.		tion of System	,		9 <u>65</u> Edition, <u>Sub.Sec</u>	<u>c. B</u> Add	denda, <u>N/A</u> Co	ode Case
6.			•		Repairs or Replace			
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	XS-312 (TORUS)	CB&I	G1293 -	- N/A	CLASS MC	1965	Replacement	YES
		·	*					
	cordance w	ith ASME work		<u>Order 99-01</u>	orus penetration XS- 884-00. Reference D Nominal Operating	<u>)ER 1-19</u>	<u>99-1074.</u>	_
		Pressure <u>N/A</u>	Test Temp. N/	<u>A °</u> F	Test Procedure: N	<u>/A</u>		
NO	OTE:	in. x 11 in., (2)	information in	items 1 thre	ches, or drawings mo ough 6 on this repor f sheets is recorded	t is inclu	ded on each she	size is 8 x eet, and (3)

9. Remarks: This work is not the result of an inservice failure. Torus penetration XS-312 hatch studs were no welded to top nuts as depicted in NMPC drawing F-48271-C. DER 1-1999-1074 disposition required fabrication of new studs and nuts. New studs Heat code MBE. New nuts Heat code DJQ. Weld material Cert. No. C-97-1061. This work includes final acceptance and establishment of PSI baseline, refer to NMPC NDE report; VT-1, 1-2.04-99-0222.

CE	RTIFICATE OF COMPLI	ANCE
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this	Repair or Replacement conforms to the
Type Code Symbol Stamp	NONE	
Certificate of Authorization No.	NONE	Expiration Date NONE
Signed: 222	Maint. Manager r's Designee, Title	Date 8 · 25 ,1999
CERTIF	ICATE OF INSERVICE IN	ISPECTION
Inspectors and the State or Province Massachusetts have inspected the conto $9/26/99$, and state that to the best	of <u>New York</u> and employ nponents described in this Over the state of my knowledge and believes.	onal Board of Boiler and Pressure Vessel yed by Arkwright Mutual Ins. Co. of wner's Report during the period 4130199 ef, the Owner has performed examinations accordance with the requirements of the
concerning the examinations and corre	ctive measures described in t e liable in any manner for a	nakes any warranty, expressed or implied, his Owner's Report. Furthermore, neither ny personal injury or property damage or
Inspector's Signature	Commissions <u>N B 8 4 9 6</u> National	Board, State, Province, and Endorsements
Date \$126 1999		

				4				 -	
7	Owner	Niagara Mohay	wk Power Corp	oration		Date <u>08/05/99</u>			
		P.O. Box 63, I	vcoming, NY	13093		Sheet <u>1</u> of <u>1</u>			
		Addre			ŧ				
2.	Plant	Nine Mile Poir				Un	it <u>1</u>		
		Lycoming, NY		····	Mechanical Mair		WO # 99-0188	<u>84-02</u>	
•	377- J. D. (.	·	•		27/4	
Name								<u>N/A</u>	
		. <u>PO</u>	Box 63, Lycom Address	ing, NY 13	1	_		N/A	
					Expiration	n'Date _	 	N/A	
4.	Identificat	ion of System	PCS (TORUS)						
5.	(a) Ap	onlicable Constr	auction Code A	SME III 1	9 <u>65</u> Edition, <u>Sub.Sec</u>	a.B. Add	lenda N/A Co	de Case	
•		_			•				
	(b) A ₁	oplicable Edition	n of Section XI	Utilized for	Repairs or Replacer	ments 19	92, '92 Add.		
6.,	Identificat	ion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:		
	N	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME	
	Name of Component	Name of Manufacturer	s Serial No.	Board No.	Outer identification	Built	Replaced, or	· Code	
							Replacement	Stamped (Yes or No)	
	XS-311	CB&I	G1293	- N/A	CLASS MC	1965	Replacement	YES	
	(TORUS)								
		 				<u> </u>			
			1	<u> </u>		l			
De	scription of	f Work: Welded	d new studs and	nuts for To	rus penetration XS-1884-02. Reference D	311 man	way hatch cove	<u>r in</u>	
acc		IIII ASIVIE WOLK	pian in work	<u> </u>	884-02. Reference D	<u> </u>	777-107-4.		
8.	Tests Con	ducted: - Hydrostatic _	Pneuma	atic 🔲 📑	Nominal Operating I	Pressure	Other [
		Pressure <u>N/A</u>	Test Temp. N/	<u>A°</u> F	Test Procedure: N/	<u>′A</u>			
NO	OTE:				hes, or drawings ma ough 6 on this repor				

each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: This work is not the result of an inservice failure. Torus penetration XS-311 hatch studs were not welded to top nuts as depicted in NMPC drawing F-48271-C. DER 1-1999-1074 disposition required fabrication of new studs and nuts. New studs Heat code MBE. New nuts Heat code DJQ. Weld material Cert. No. C-97-1061. This work includes final acceptance and establishment of PSI baseline, refer to NMPC NDE report: VT-1, 1-2,04-99-0224.

. CE	RTIFICATE OF COMPLIA	ANCE .			
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this	Replacement conforms to the			
Type Code Symbol Stamp	NONE				
Certificate of Authorization No.	NONE	Expiration Date <u>NONE</u>			
Signed: Owner's or Owner	Maintenance Manager 's Designee, Title	Date <u><.\\</u> ,1999			
•					
CERTIF	ICATE OF INSERVICE INS	SPECTION			
Inspectors and the State or Province Massachusetts have inspected the conto \$117/99, and state that to the best	of New York and employed and employed apponents described in this Ownst of my knowledge and belief	nal Board of Boiler and Pressure Vessed by <u>Arkwright Mutual Ins. Co.</u> oner's Report during the period <u>4-30/4</u> ; the Owner has performed examination accordance with the requirements of the			
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.					
Inspector's Signature	Commissions <u>NB8496</u> National I	NY 2812 Board, State, Province, and Endorsements			
Date <u>\$17</u> , 199					

D	Owner	Name	wk Power Corpo				Dat	et <u>09/06/99</u>	•
		P.O. BOX 03, L.	ycoming, NY	13093			Sile	et <u>1</u> 01 <u>1</u>	ı
2.	Plant	Nine Mile Poir		.			Uni	it <u>1</u>	
		Lycoming, NY	13093		Mech			WO # 99-0188	<u>4-01</u>
_						·	-		NT/A
3.	Work Per	• ——	gara Mohawk P			••	•	ol Stamp	
		. <u>PO</u>	Box 63, Lycom	ing, NY 13	093			,.	
						Expiration	n Date _		N/A
4.	Identificat	tion of System	PCS (TORUS)						
5.	(a) A ₁	pplicable Constr	uction Code A	SME III 19	965 Editi	ion. Sub.Sec	.B Add	enda. N/A Co	de Case
٥.		-							
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs	or Replacer	ments 19	92, '92 Add.	
6.	Identificat	tion of Compone	ents Repaired or	Replaced a	and Repla	acement Co	mponent	s:	
		T				1	,,	Description	4 C) (E
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No	National Board No.	Other Id	dentification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	XS-310 (TORUS)	CB&I	G1293	· N/A	. CLA	ASS MC	1965	Replacement	YES
		 						···	
				•					
						•			
De	escription o	f Work: Welded	l new studs and	nuts for To	rus pene	tration XS-3	310 many	way hatch cove	<u>r in</u>
ac	cordance w	ith ASME work	plan in Work (Order 99-01	884-01.	Reference D	ER 1-19	99-1074.	
⁻ 8.	Tests Con	iducted: -							
		Hydrostatic _	Pneuma	ntic 🗌	Nominal	Operating I	Pressure	Other [
		Pressure <u>N/A</u>	Test Temp. N/	<u>A°</u> F	Test Pi	rocedure: <u>N/</u>	<u>'A</u>		
NO	OTE:	in. x 11 in., (2)	sheets in form o information in numbered and th	items I thre	ough 6 o	n this report	t is inclu	ded on each sh	size is 8 x eet, and (3)

9. Remarks: This work is not the result of an inservice failure. Torus penetration XS-310 hatch studs were needed to top nuts as depicted in NMPC drawing F-48271-C. DER 1-1999-1074 disposition required fabrication of new studs and nuts. New studs Heat code MBE. New nuts Heat code DJQ, Weld material Cert. No. C-97-1061, This work includes final acceptance and establishment of PSI baseline, refer to NMPC NDE report: VT-1, 1-2.04-99-0223.

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in rules of the ASME Code, Section XI.	the report are corr	ect and this	Replacement Repair or Replacement	conform	s to the	
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE	Ex	piration Date	NONE		
Signed: Owner's or Owner	Mair's Designee, Title	nt. Manager	Date	<mark>ዓ · </mark>	9 <u>99</u>	
CERTIF	ICATE OF INSE	RVICE INSP	ECTION	•	,	
I, the undersigned, holding a valid con Inspectors and the State or Province Massachusetts have inspected the con to 11919, and state that to the best and taken corrective measures describ ASME Code, Section XI.	of <u>New York</u> and an an an an an an an an an an an an an	nd employed in this Owne e and belief, t	by <u>Arkwrigh</u> r's Report durin he Owner has po	t Mutual Ins. g the period 41 erformed exami	Co. of 1301411 nations	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
-						
Inspector's Signature	Commissions <u>人</u> /	B 8496 National Bo	ard, State, Province,	2 and Endorsements		
Date 9/8, 19 97					4	

Owner	Niagara Moha	wk Power Corp	oration			Dat		
	P.O. Box 63, L	vcoming, NY	13093		ı	She	eet <u>1</u> of <u>1</u>	•
2. Plant	Nine Mile Poir					Un	it <u>1</u>	
	Lycoming, NY	13093	<u>.</u>	Mech			WO # 99-0188 on P.O. No., Job No., etc.	<u>32-04</u>
3. Work Pe	erformed by <u>Nia</u>	gara Mohawk F	ower Corp.	<u> </u>	Type Cod	le Symbo	ol Stamp	N/A
	. <u>PO</u>	Name Box 63, Lycom	ning, NY 13	<u>093</u>	Authoriza	ition No <u>.</u>		N/A_
		Address			Expiration	n Date _		N/A
4. Identific	ation of System	Primary Cont.	Structure (E	rywell)				
	•	1			Edition 97	Addone	la N/A Code	Casa
5. (a)	Applicable Constr	uction Code <u>A</u>	<u> </u>	<u>6</u> 19 <u>80</u> 1	Edition, <u>87</u>	_ Addend	ia, <u>in/A</u> Code	Case
(b)	Applicable Edition	n of Section XI	Utilized for	Repairs	or Replacei	ments 19	92 '92 Add.	
6. Identific	ation of Compone	ents Repaired or	r Replaced a	and Repla	cement Co	mponent	s:	
Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Id	entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PENET-X-2I	B PATHWAY	N/A	- N/A	CLA	SS MC	1969	Repaired	NO
		•						
	of Work: Weld r with ASME Worl							<u>n in</u>
8. Tests Co	onducted: - Hydrostatic] Pneuma	atic 🕅	Nominal	Operating I	Pressure	Other [\neg
	, _	Test Temp. N/					RT-TYB Att. 58	_
NOTE:	in. x 11 in., (2)	sheets in form of information in	items 1 thre	ough 6 or	n this report	t is inclu	ded on each she	

9. Remarks: This repair was not the result of an inservice failure. Repair welding was required due to failed VT-2 exam. Repair weld filler material ER NI CR3 (Cert.No. C-95-0353/Ht.no. AM6577). PT exams of weld repairs per NDE Reports 1-3.00-99-0157 and 1-3.00-99-0158. VT-1 for PSI baseline per NDE Report 1-2.04-99-0237. VT-2 per NDE Report 1-2.04-99-0233.

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp NONE
Certificate of Authorization No. NONE Expiration Date NONE
Signed: Date 8.25 ,1999 Owner's or Owner's Designee, Title
I, the undersigned, holding a valid commission-issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 5/15/99 to 3/26/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Tynn & Cluder Commissions N B 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements Date 8/26, 19 99

0	Owner		wk Power Corp	<u>oration</u>		Dat	te <u>08/24/99</u>	in the second
			vcoming, NY	13093_		She	eet <u>l</u> of <u>l</u>	_
		Addre	33					
2.	Plant	Nine Mile Poir				Un	it <u>1</u>	
		Lycoming, NY			Mechanical Main	itenance	WO # 99-0188	32-01
		Addre					on P.O. No., Job No., etc.	
3.	Work Per	formed by <u>Nia</u>	gara Mohawk F	Power Corp.	Type Cod	le Symbo	ol Stamp	N/A
		, PO	Name Box 63, Lycom	ning, NY 13	093 Authoriza	ation No.		N/A ·
			Address			•		
					Expiration	Dato _		
4.	Identificat	ion of System	Primary Cont.	Structure (D	Orywell)			
5.	(a) A ₁	oplicable Constr	uction Code A	SME III. NI	E 19 <u>86</u> Edition, <u>87</u>	Adden	ia, N/A Code	Case
٠.		-						
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	ments 19	<u>92 '92 Add.</u>	
6.	Identificat	tion of Compone	ents Repaired or	r Replaced a	and Replacement Co	mponent	s:	
			,					
	Name of	Name of	Manufacturer'	National	Other Identification	Year	Repaired,	ASME
	Component	Manufacturer	s Serial No	Board No.		Built	Replaced, or Replacement	· Code Stamped
				\	07.400.70	1000	Destand	(Yes or No)
P	ENET-X-2B	PATHWAY	N/A	- N/A	CLASS MC	1969	Replaced	МО
<u> </u>				<u> </u>				
_	·							
	·			<u> </u>	•	<u> </u>		<u> </u>
De	escription o	f Work: Cut ou	t existing mains	team drywe	ll bellows and weld	in new b	ellows for com	ponent
		3 in accordance	with ASME Wo	ork Plan in V	<u> Work Order 99-0188</u>	2-01. Re	ference DER 1	<u>-1999-</u>
11	<u>13.</u> ·	_						
8.	Tests Con	iducted:		_				_
		Hydrostatic _	Pneuma	atic 🔀	Nominal Operating I	Pressure	Other	
	•	Pressure 35.3	nsi Test Te	emp. <u>N/A°</u> 1	F Test Proce	dure: N1	-ISP-LRT-TYB	Att. 58
				•				
V	OTE:	Supplemental	sheets in form o	of lists, sketc	ches, or drawings ma	ry be use	d, provided (1)	size is 8 x
					ough 6 on this repor of sheets is recorded			zei, ana (3)

Remarks: This replacement was not the result of an inservice failure. Main steam drywell bellows replace
per DER 1-1999-1113. Replacement materials: bellows (Cert.No. C-92-0411), weld filler material ER70S2
1/16" Cert.No. 2B-1675, 3/32" Cert.No. C-97-1061, ERNiCrMo-3 .045" Cert.No. C-95-0573, 1/16"
Cert.Nos. C-95-0353 and C-96-0006. VT-1 for PSI baseline per NDE Report 1-2.04-99-0237, VT-2 per
NDE Report 1-2.04-99-0233.

CERTIFICATE OF COMPLIANCE							
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the						
Type Code Symbol Stamp	NONE						
Certificate of Authorization No.	NONE Expiration Date NONE						
Signed: Signed:	Maint. Manager Date 8.25,1999						
Owner 3 on gwile	1						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4/30/99 to 9/26/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither							
loss of any kind arising from or connec	be liable in any manner for any personal injury or property damage or cted with this inspection.						
	Commissions No 8496 NY 2812 National Board, State, Province, and Endorsements						
Date 8/26, 1999							

						~	00/04/00		
	Owner	Name				Date <u>08/24/99</u>			
		P.O. Box 63, L	vcoming, NY	<u>13093 </u>		She	et <u>1</u> of <u>1</u>		
2.	Plant	Nine Mile Poir	nt			Un	it <u> </u>		
		Lycoming, NY			Mechanical Main	tenance	WO # 95-0130	08-01	
		Addre					on P.O. No., Job No., etc.		
3.	Work Per	formed by Nia	gara Mohawk P	Power Corp.	Type Cod	e Symbo	ol Stamp	N/A_	
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	093 Authoriza	tion No <u>.</u>		N/A	
			Address		Expiration	n Date _		N/A	
4.	Identifica	tion of System	Reactor Vessel	(System 00	0.0)				
		•				D 4.1	1 1 27/4 0	1.0	
5.	(a) A	pplicable Constr	uction Code <u>A</u>	SME III I	9 <u>65</u> Edition, <u>Sub.Sec</u>	<u>.B</u> Add	lenda, <u>N/A</u> Co	de Case	
	(b) A	pplicable Edition	n of Section XI	Utilized for	Repairs or Replace	nents 19	<u>92 S '92 Add.</u>		
6.	Identifica	tion of Compone	ents Repaired o	r Replaced a	and Replacement Co	mponent	s:		
		•	•	-	<u>-</u>			1	
3	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or	ASME Code	
				~			Replacement	Stamped (Yes or No)	
\vdash	НАТСН-	CB&I	G-1292	- N/A	MC	1965	Replacement	NO	
	DW-HEAD				Metal Containment				
		,							
_				ļ <i>'</i>				-	
L			<u> </u>		<u> </u>	<u>. </u>	<u> </u>	<u> </u>	
D	escription o	of Work: <u>Drywe</u>	l Head swingbo	olts (2) insta	alled per Work Order	95-013	08-01. Reference	e DER 1-	
		allation without			e with design docum	ents, Re	referice DER 1-	·98 - 3920	
		-							
8.	Tests Co	nauctea: Hydrostatic	Pneuma	atic 🗍	Nominal Operating I	Pressure	Other	\boxtimes	
		_	_	_			_		
		Pressure	_ Test Te	emp	r Test Proces	ure: <u>Nl</u>	<u>-ISP-LRT-TYE</u>	<u> Att. 0</u>	
	OTE:	Supplemental	sheets in form c	of lists, sketo	ches, or drawings ma	y be use	d, provided (1)	size is 8 x	
		in. x 11 in., (2) each sheet is n	information in numbered and th	items I thr he number d	ough 6 on this report of sheets is recorded	t is inclu at the to	aea on eacn sh p of this form.	zei, ana (3)	

9. Remarks: This replacement was not the result of an inservice failure. Reactor swingbolts replaced as part of preventive maintenance. Swingbolts material ASTM A320 Grade L43 (symbol no. 95-83-440, P.O. 22335).

CE	ERTIFICATE OF COMPLIANCE					
We certify that the statements made in rules of the ASME Code, Section XI.	the report are correct and this <u>Replacement</u> conforms to the					
Type Code Symbol Stamp	NONE					
Certificate of Authorization No.	NONE Expiration Date NONE					
Signed: Signed: Owner's or Owner	Maint: Manager Date 8.25, 1999 r's Designee, Title					
CERTIF	ICATE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 12/17/18 to 12/19/19, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
• •	Commissions NBS496 NY 2812 National Board, State, Province, and Endorsements					
Date 8 26, 19 99						

Û	Owner	Niagara Moha	wk Power Corp	oration		1	Date	07/27/99	
1		P.O. Box 63, I	vcoming, NY	13093	'		Shee	et <u>1</u> of <u>1</u>	
2.	Plant	Nine Mile Poir	nt			1363	Unit		
		Lycoming, NY			Mechanic			VO # 98-0378 P.O. No., Job No., etc.	<u>6-00</u>
3.	Work Per	formed by Nia	gara Mohawk F	ower Corp.	T	ype Code	Symbol	Stamp	N/A
		. <u>PO</u>	Box 63, Lycom	ning, NY 13	<u>093</u> A	uthorizati	ion No <u>. </u>		N/A
		I	Voges		E	xpiration !	Date		N/A_
4.	Identificat	ion of System	Reactor Vessel	(System 00	.0)				
5.	(a) A ₁	oplicable Consti	uction Code A	SME III 19	965 Edition,	Sub.Sec.	B Add	enda, <u>N/A</u> Co	ode Case
٥.				1				4	
	(b) A ₁	pplicable Editio	n or Section XI	Utilized for	Repairs or I	Kepiacem	ents 19 <u>9</u>	2, 92 Add.	
6.	Identificat	ion of Compon	ents Repaired or	r Replaced a	and Replacer	nent Com	ponents	•	
	Name of Component	Name of Manufacturer	Manufacturer' s Serial No.	National Board No.	Other Identi	fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	НАТСН-	CB&I	G-1292	NONE	MC	·	1965	Replacement	YES
	DW-HEAD			•	Metal Conta	mment		·	
		*	,						
									<u> </u>
D <u>in</u>	escription o Work Orde	f Work: <u>Replac</u> r 98-03786-00 :	e reactor drywe as part of prever	II dome bole ntive mainte	ting and was	hers in ac	cordanc	e with AMSE	work plan
8.	Tests Con	ducted: _ Hydrostatic [Pneuma	atic 🔲 📑	Nominal Op	erating Pr	essure [Other [\boxtimes
		Pressure 59.8	<u>psig</u> Test Te	mp. <u>N/A°</u>]	F Tes	st Procedu	ıre: <u>N1-I</u>	SP-LRT-TYB	Att. 6 R/0
N	OTE:	in. x 11 in., (2)	sheets in form o information in numbered and th	items 1 thre	ough 6 on th	is report i	is includ	led on each she	size is 8 x eet, and (3)

9. Remarks: This replacement is not the result of an inservice failure. Drywell dome bolts replaced as part preventive maintenance. Ten (10) dome bolts replaced (HT. No.s K6Z2, LNZ2, LNZ1, AGZ1), ten (10) nuts replaced (HT. No. LZZ) ten (10) washers replaced (HT. No.3M07261). Cert No. for all assemblies C-99-0173). Performed VT-1 for PSI per NDE Report No. 1-2.04-99-0247. VT-2 per NDE Report No. 1-2.04-99-0268. Reference DER 1-99-1763 for bolt surface blemishes corrected pwe W.O. 98-03786-01.

CERT	TFICATE OF COMPLIANCE					
We certify that the statements made in the rules of the ASME Code, Section XI.	report are correct and this <u>Replacement</u> conforms to the					
Type Code Symbol Stamp N	ONE					
Certificate of Authorization No. No.	NONE Expiration Date NONE					
Signed: Owner's or Owner's D	Maintenance Manager Date 7.30 ,1999 esignee, Title					
•						
CERTIFICA	TE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Arkwright Mutual Ins. Co. of Massachusetts have inspected the components described in this Owner's Report during the period 4-16-19 to \$13199, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.						
-						
Zynn & donderson Com Inspector's Signature	missions NB 5496 NY 2512 National Board, State, Province, and Endorsements					
Date <u>\$ 3</u> , 19 <u>99</u>	•					



Nine Mile	Point	Nuclear	Power	Station
1		Unit 1		

NMP1-ISI-99-05

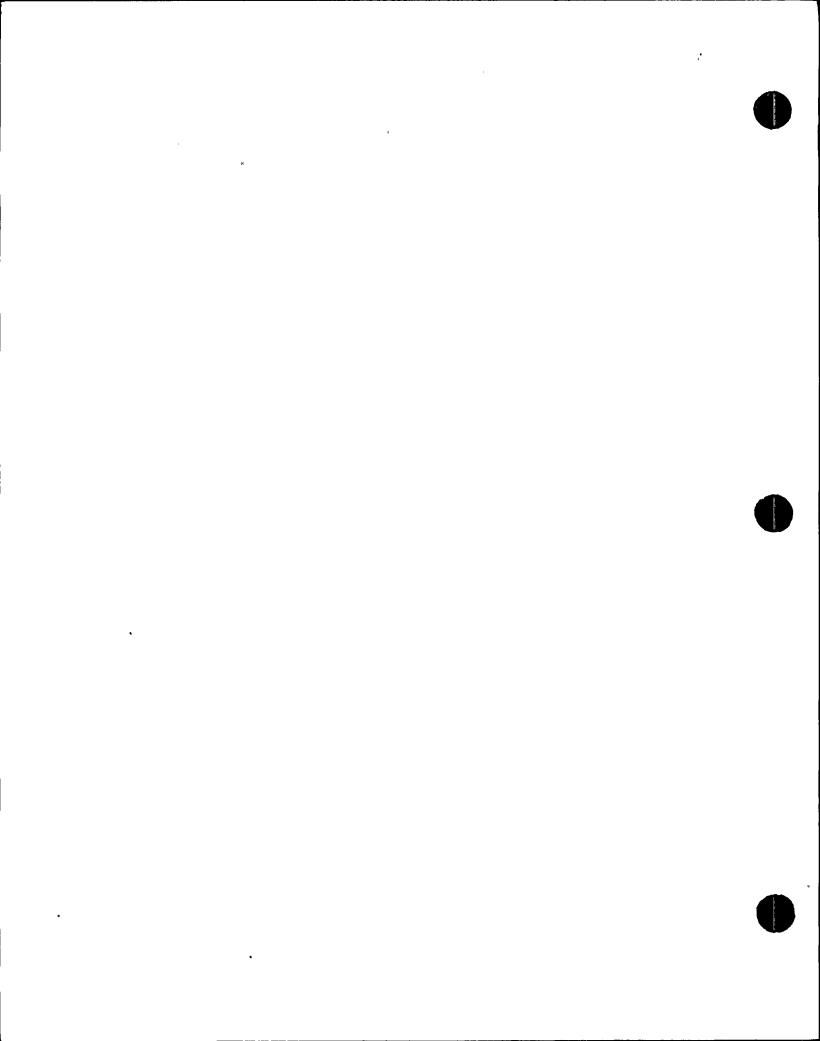
SECOND INSERVICE INSPECTION INTERVAL

INSERVICE INSPECTION SUMMARY REPORT SUBMITTAL

Rev. 0 September 14, 1999

Page 15 of 15

END OF NMP-1 1999 SUMMARY REPORT



ENCLOSURE 2



Reactor Pressure Vessel Weld Flaw Evaluations

In accordance with the requirements of ASME Code Section XI, Subsection IWB-3610 (1983 Edition with Summer 1983 Addenda), Niagara Mohawk Power Corporation (NMPC) is submitting for NRC staff review and approval a structural flaw evaluation of subsurface flaw indications found in two (2) Reactor Pressure Vessel (RPV) welds (RV-WD-140 and RV-WD-099) during RFO15. By letter dated December 10, 1998 (NMP1L 1391), NMPC requested permanent relief from the inservice inspection requirements of 10 CFR 50.55a(g) for the volumetric examinations of circumferential RPV welds in response to NRC Generic Letter 98-05. In that letter, NMPC informed the staff of our intent to perform volumetric examinations of longitudinal RPV shell welds and the shell-to-flange weld (ASME Code Section XI, Table IWB-2500-1, Examination Category B-A, Item 1.12, Longitudinal Shell Welds and Item 1.30, Shell-to-Flange Weld). By letter dated April 7, 1999, the NRC approved our request. The examinations were completed from the inside surface of the RPV using the General Electric Remote Inspection System (GERIS-2000) during RFO15.

The ultrasonic (UT) examinations identified subsurface flaw indications in shell weld RV-WD-140 and shell-to-flange weld RV-WD-099 that exceeded the acceptance standards of ASME XI, IWB-3510. Further analytic evaluation performed in accordance with the methods prescribed in ASME Code Section XI, IWB-3600, demonstrate that the welds containing the flaws are acceptable for continued service for twenty-eight (28) Effective Full Power Years (EFPY). The flaw evaluations included fatigue crack growth and irradiation embrittlement for up to 28 EFPY.

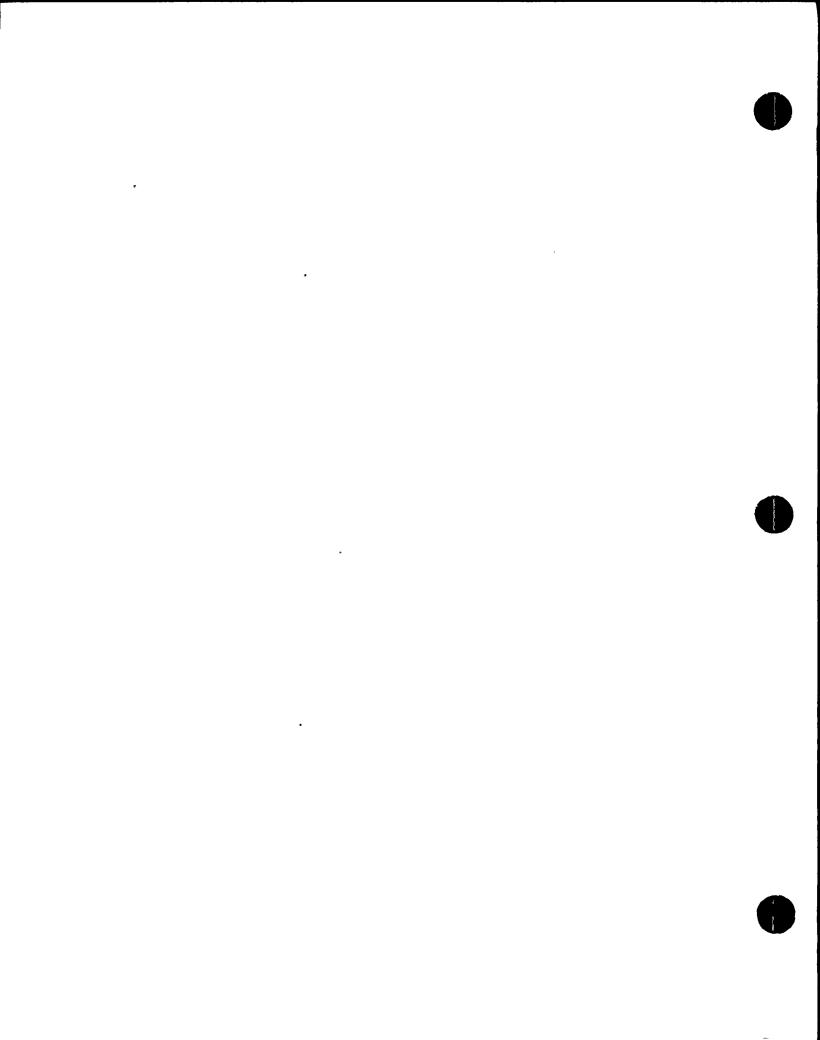


Prior to RFO15, GE Nuclear Energy developed for NMP-1, flaw evaluation criteria entitled, "GE Nuclear Energy RPV Flaw Evaluation Handbook for NMP1", (See Attachment 2A). The attached flaw handbook includes analysis methods prescribed by ASME Code Section XI IWB-3600. The flaw handbook contains a series of flaw evaluation curves that are used to determine the allowable flaw sizes. The flaw handbook also contains flaw evaluation worksheets in Section B of the handbook. Completed flaw evaluation worksheets including the UT data sheets and flaw evaluation curves for each flaw evaluated to the criteria in the flaw handbook are included in the attached calculation S0VESSELM030 (Attachment 2B).

The flaw indications evaluated using the flaw handbook were all subsurface and were plotted to the region of the weld fusion lines and are attributed to lack of fusion and/or thin film slag deposits remaining from fabrication (Reference 1). The original RPV fabrication radiographs (RT) and the UT data for welds RV-WD-140 and RV-WD-099 were compared. The radiographs for these welds have been digitized and were reviewed with computer enhancements. The RT and UT comparison evaluation concluded that the indications recorded by the GERIS ID system can be attributed to the fabrication process. This is demonstrated by the presence of indications in the digitally enhanced radiographs from the original construction (Reference 2). The fact that there are numerous intermittent linear RT indications with characteristics of slag inclusions throughout the area that contains UT indications shows the complementary nature of these two examination techniques, and provides reasonable assurance that these indications are related to the original fabrication processes (Reference 3).

As documented in the Nine Mile Point Unit 1 Second Ten-Year Interval Inservice Inspection Program Plan, NMPC utilizes the philosophy of ASME Code Section XI, 1986 Edition, IWB-2430, which requires selection of additional examinations according to the Code item number of the defective item. Weld RV-WD-140 is a RPV longitudinal shell weld in Examination Category B-A, Code item 1.12. All of the accessible Code item 1.12 longitudinal shell welds were examined (approximately 79% coverage of the total cumulative weld lengths), including approximately 91% coverage in the beltline region. These examinations were part of the original examination scope. No additional unacceptable flaw indications were detected. Additionally, the examination of the RPV longitudinal welds included incidental examination of at least 3 percent of the







intersecting circumferential shell welds, consistent with the NRC's April 7, 1999, safety evaluation. No unacceptable flaw indications were detected in these intersecting regions. Weld RV-WD-099 is the only RPV shell-to-flange weld for Code item 1.30. This weld was examined to the maximum extent practicable using the GERIS ID system, resulting in approximately 83% coverage. Thus, the Code expanded sample requirements for each Code item examined were completed.

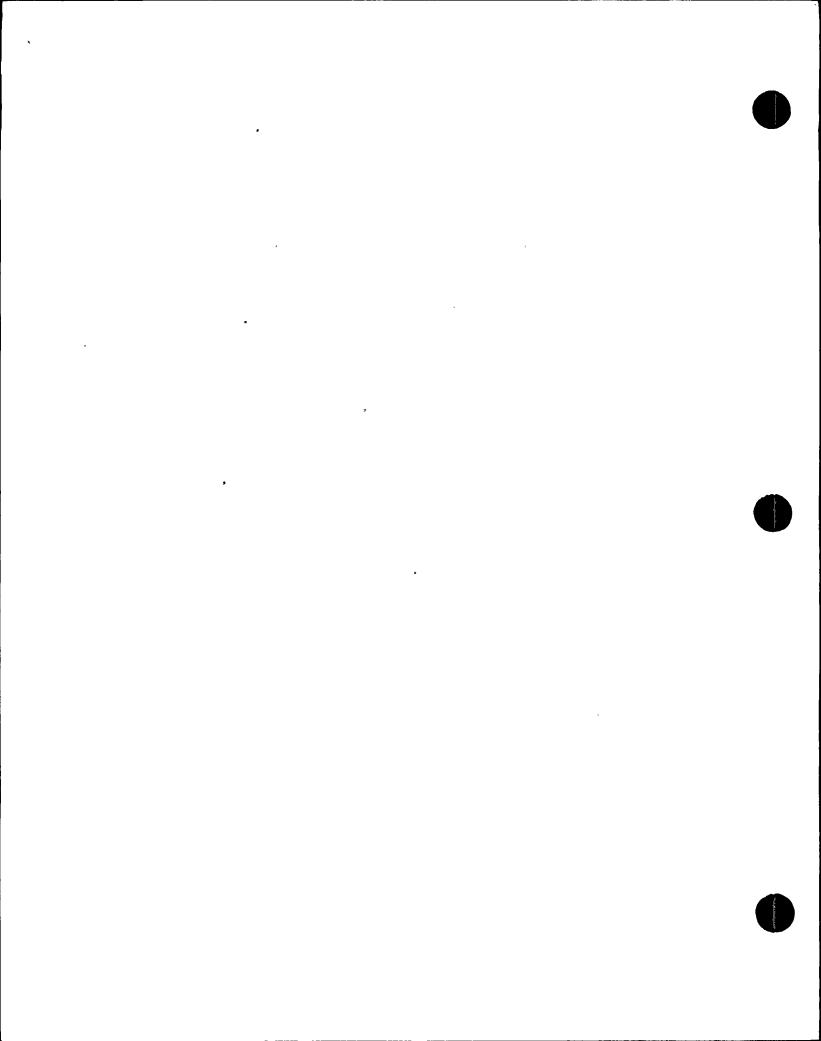
ASME Code Section XI, IWB-2420(b) requires that areas found to have indications that were evaluated per IWB-3600, be re-examined during the next three inspection periods. Code Case N-526 provides alternative requirements for successive inspections of Class 1 vessels. The Code Case does not require re-examination of the areas containing subsurface flaws if the requirements delineated in the Code Case are met. NMPC has determined that the flaws in welds RV-WD-140 and RV-WD-099 meet Code Case N-526 requirements. As this Code Case has not yet received Regulatory Guide 1.147 endorsement, NMPC plans to submit a relief request to allow the use of Code Case N-526 as an alternative to re-examination. The relief request will be included in the NMP-1 Third Ten-Year Interval Inservice Inspection Program Plan, which will be submitted by October 30, 1999.

References:

- 1. GE Nuclear Energy Report (Project 1JHN2), Revision 1, August 11, 1999, entitled, "Flaw Indications in the NMP-1 Reactor Pressure Vessel".
- 2. Level III Review of Data for DER 1-1999-1451, "Comparison of Radiographic and Ultrasonic Data for Weld RV-WD-140", dated May 6, 1999.



Internal Correspondence from Quality Inspection to DER 1-1999-1640 (File Code 99108), "Level III
Review of Data for DER 1-1999-1640, Weld RV-WD-099: Comparison of Digitized Construction
Radiographs to GE Automated Ultrasonic Data".





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