NIAGARA MOHAWK POWER CORPORATION

300 ERIE BOULEVARD WEST SYRACUSE, NY 13202

As Owner of the

NINE MILE POINT UNIT 1 NUCLEAR POWER STATION P.O. BOX 63 LYCOMING, NY 13093

which went into

COMMERCIAL OPERATION DECEMBER 1969

submits this

SUMMARY REPORT

of

INSPECTIONS AND EXAMINATIONS

performed for

ASME BOILER & PRESSURE VESSEL CODE

SECTION XI, CLASS 1 AND 2

PRESSURE RETAINING COMPONENTS

and their

SUPPORTS

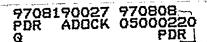
at the culmination of

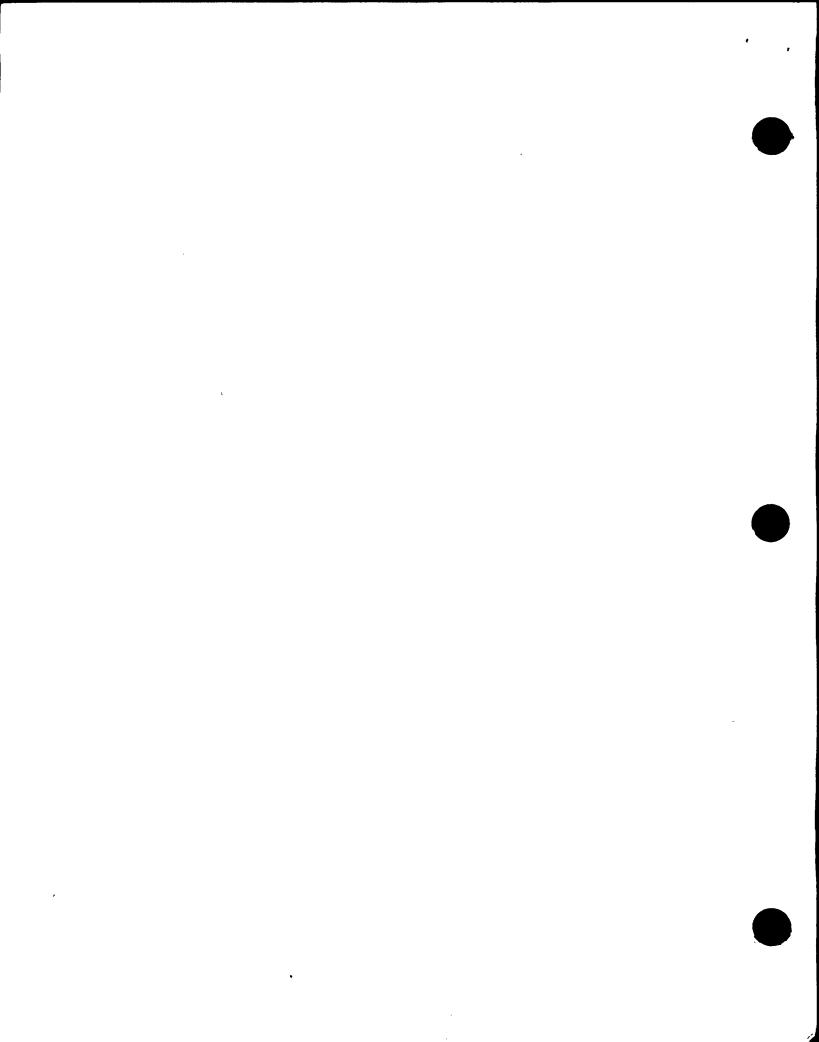
REFUELING OUTAGE NO. 14

This document completed

August 7, 1997

which ended on May 10, 1997

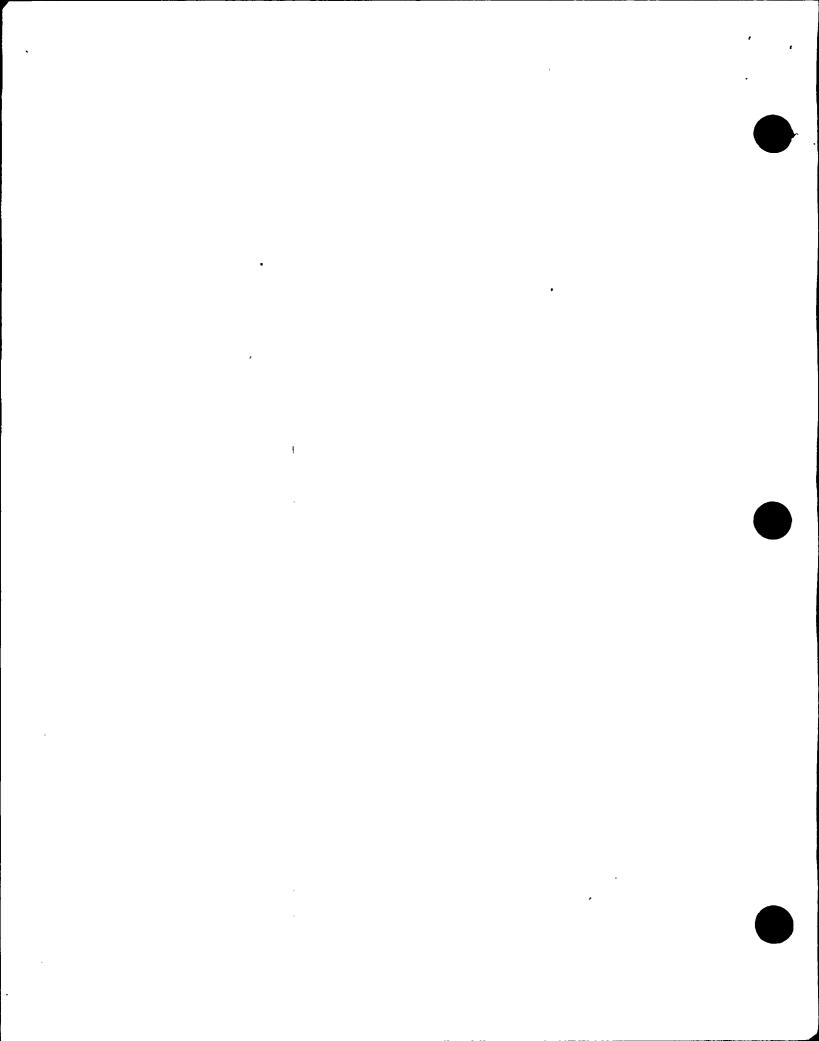




PREAMBLE

Pursuant to 10CFR50.55a(g)(1), Niagara Mohawk Power Corporation (NMPC), the holder of the operating license for Nine Mile Point Unit 1 (NMP1), a General Electric BWR-2 boiling (light) water-cooled nuclear power facility, whose construction permit was issued prior to January 1, 1971, is committed to inservice inspection and examination of pressure retaining nuclear safety related components (including supports) in accordance with the ASME Boiler & Pressure Vessel Code's Section XI 1983 Edition with Addenda to and including the Summer of 1983, entitled, Rules for Inservice Inspection of Nuclear Power Plant Components, with the following exception: (1) the extent of the examination for code class 2 piping welds has been determined by ASME Code Case N-408, Alternative Rules for Examination of Class 2 Piping. In those publications (herein referred to as "the Code"), NMPC is defined as the Owner of NMP1.

The Code Subsubarticle IWA-6230 requires the Owner to prepare inservice inspection summary reports within 90 days of the completion of an inservice inspection conducted during a refueling outage. Further, the Owner must file those reports (for Class 1 and 2 pressure retaining components and their supports) with the enforcement and regulatory authority having jurisdiction at the plant site, that is, the United States Nuclear Regulatory Commission (USNRC). This report is submitted to USNRC in satisfaction of that requirement.



EXECUTIVE SUMMARY

This report documents examinations conducted at NMP1 from April 4, 1995, through the conclusion of the fourteenth Refueling Outage (RFO-14), May 10, 1997.

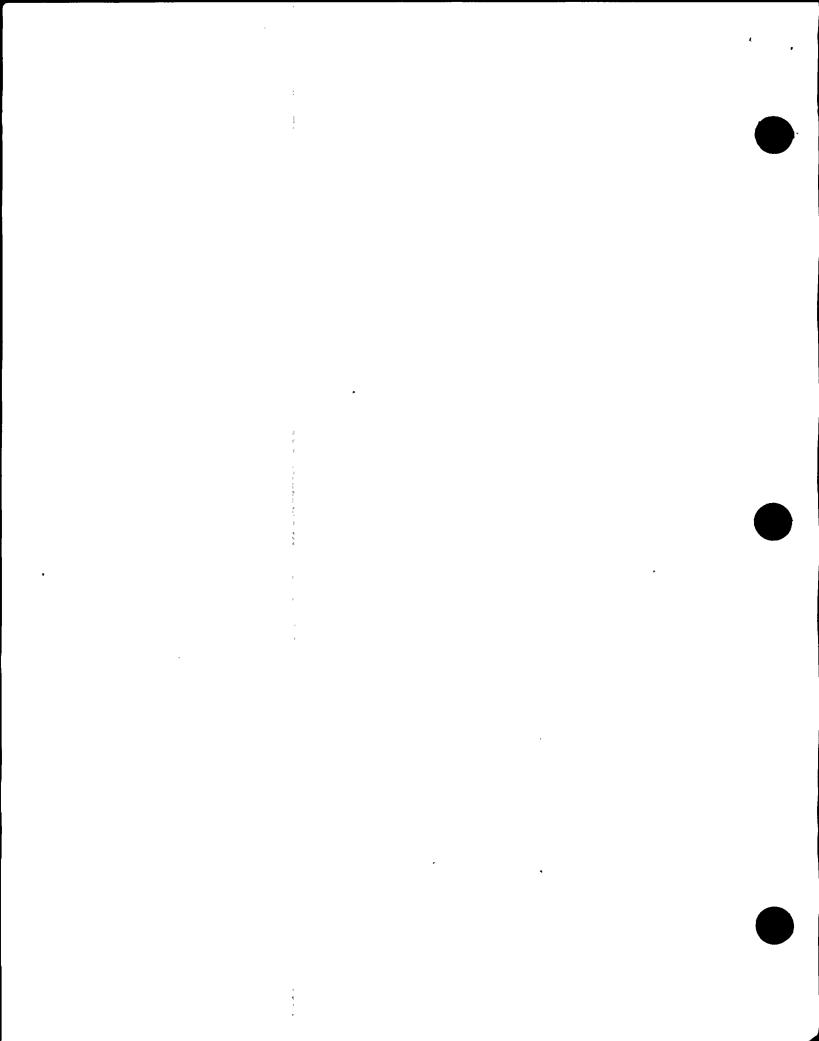
For scheduling purposes, the Code divides each of four, ten-year Intervals into three (3) *Periods*. NMP1 is in the Third Period of the Second Interval. Each period (nominally equal to 40 calendar months) includes performance of a large number of examinations usually conducted during the plants refueling outages which defines the end of the cycle. NMP1 has just completed the first of two refueling outages currently scheduled within this third and final period of the second interval.

As reported in our last Summary to the Commission, NMP1 began this Period with a completion ratio of 65% for non-deferrable examinations required by ASME XI for the 10-year Interval, which was within the Code required completion ratio of 50 to 67%.

This Period was altered so that it would include two refueling outages. The other two Periods possessed one refueling outage in the first and two in the second. At the end of RFO-14, an additional 11% of the non-deferrable required examinations have been completed, for a to-date total of 76%. The Program Plan's schedule for the last refueling outage (RFO-15) of the Second Interval includes all remaining examinations. This will include the Augmented, previously unexaminable, Reactor Pressure Vessel shell welds (also referred to as "beltline welds"). The current population of Class 1 and 2 non-deferrable examinations in the ISI Program Plan for pressure retaining components (excluding supports) is 967. The total population of component support examinations is 1179.

Virtually 100% of all ISI pressure boundary examinations performed for RFO-14 (since RFO-13) were "Accepted by Examination", (that is, they required neither Engineering Evaluation, nor Repair, nor Replacement as the Code justification for continued service). Approximately 97% of all ISI examinations of supports performed for RFO-14 were "Accepted by Examination", with the balance being "Accepted by Evaluation".

This leaves NMP1 in a good position to complete the *Third Period* examinations and close out the *Second Interval*. Additionally, the results of these examinations completed to date, (and with the satisfactory performance of the remaining examinations) provides NMPC with reasonable assurance that the NMP1 ASME Code systems have been maintained and continue to function as designed.



INSPECTION SUMMARY

SECOND TEN YEAR INTERVAL

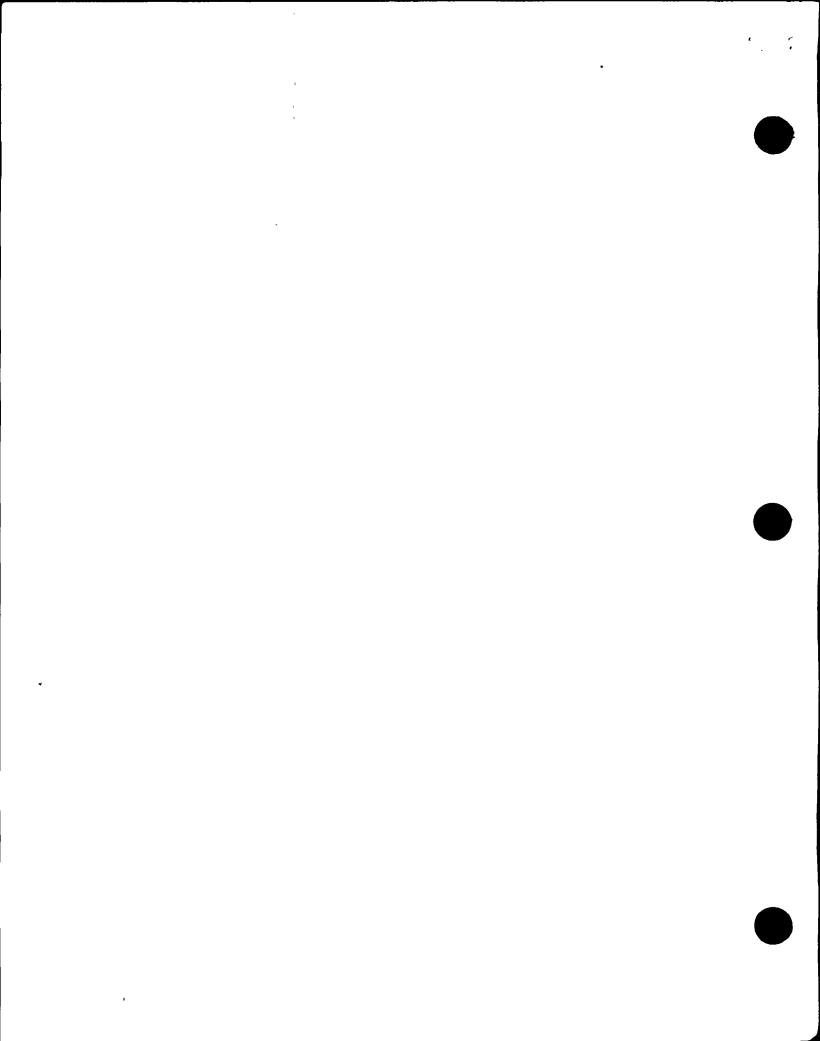
The Code recognizes a 40-year design life expectancy for a nuclear power facility, and thus, divides those 40 years into four (4) *Inspection Intervals*. For NMP1, those Intervals are, in essence, of equal (10 year) duration. These four Intervals are, for the most part, four iterations of the same inspections. All components subject to inspection are examined each Interval. When an Interval is completed, a new one starts, beginning another schedule of examinations. Throughout the service life of the facility, NMPC must meet the requirements set forth in later editions of the Code that are incorporated by reference in 10CFR50.55a(b). These later requirements are reflected in each Interval's new and updated Inservice Inspection Plan, as generated by the Owner and submitted to the USNRC for review. NMP1 submitted its Second Ten Year Interval Program Plan to the USNRC on March 30, 1992. On April 6, 1994, the USNRC Nuclear Reactor Regulation issued the safety evaluation for NMP1's Second Ten-Year Interval Inservice Inspection Program Plan, Revision 0.

THIRD PERIOD

For scheduling purposes, the Code divides each of the four Intervals into three (3) *Periods*. Ideally, these Periods are of equal length at nominal 40-month durations (excluding outages of six (6) months or longer). The Code's scheduling requirements are for 16% to 34% of non-deferrable examinations to be completed by the end of the first Period; 50% to 67% to be completed by the end of the second Period; with 100% completion by the end of the third Period, and hence, the end of the Interval.

NMP1's First Inspection Period was an extended Period, due to the inclusion of the 30 month extension during refueling outage eleven (RFO-11), the only of that Period. The Second Period contained two: the twelfth (RFO-12) and thirteenth (RFO-13) refueling outages. The Third Period will now consist of two: the fourteenth (RFO-14) and fifteenth (RFO-15) refueling outages. This is due to the extension of the Second Interval by alteration of the Third Period so that there are two refueling outages scheduled within it. This was deemed necessary prior to RFO-14 to accommodate outage scheduling and examination completion. Accordingly, the Interval has been extended by approximately 3 months to conclude at the end of Refueling Outage Fifteen, scheduled for March 1999. This is allowed by Code subparagraphs IWA 2400(c) and IWB 2412(b), which make provisions for extensions by as much as 1 year to enable an inspection to coincide with a plant outage. Therefore, the conclusion of the Third Period/Second Interval is planned to occur with the completion of RFO15 (currently scheduled for March 1999).





The end of RFO-14 finds NMP1 twenty one months into the third, nominal 40-month inspection Period. Examinations reported herein must be no fewer than 50% of the Interval's total (those reported for the Second Period up to a maximum of 67%), nor meet the 100% requirement because of the time remaining (including another refueling outage) within this Period, to complete the remaining examinations before the end of this Interval.

It should be noted that four (4) required examinations reported on the NIS-1 Data Report abstract, appeared in "Section F" of the RFO-11 Summary Report, under the title Miscellaneous Examinations. Again, those examinations have been listed (and disclaimed) in the enclosed NIS-1 Abstract of Examinations.

It should also be noted that the total population of Class 1 and 2 component support examinations is only 677. There are 502 Class 3 supports, and although the topic of this report excludes Class 3 items, they are included in the total population used for statistical analysis as required by IWF-2410(b).

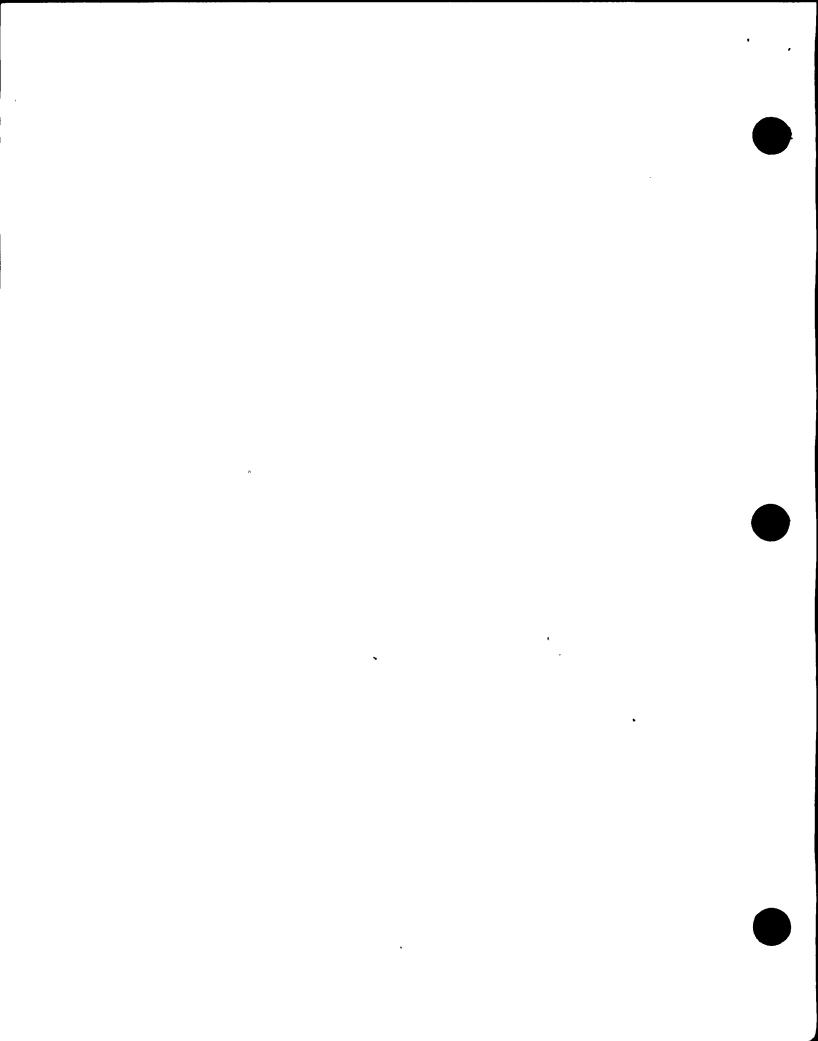
RESULTS ACHIEVED

CLASS 1 PRESSURE BOUNDARY EXAMINATIONS

CODE CATEGORY B-A

Examinations were performed on one and five-eights (1 5/8) pressure retaining welds in the reactor vessel, and were acceptable by examination. This included the remaining 5 segments (8 total) of the closure head-to-flange weld; and also the closure head circumferential weld, which was re-examined to obtain additional examination coverage. The Code required volume coverage was achieved by removal of the reactor top head personnel platform structure. These examinations, with those credited in the first two periods, equate to 3.75 of 21 weldments, for a completion percentage of 18% for Code Examination Category B-A¹. This completion percentage of 18% accounts for the additional sixteen (16) RPV Shell Weld examinations, mandated by 10CFR50.55a(g)(6)(ii)(A)(2) on August 6, 1992. Without these Augmented examinations, the reported completion percentage would have been 75% (3.75 of 5). The remaining reactor vessel weld examinations, including the additional sixteen (16) Augmented RPV Shell Welds, are scheduled to be performed during RFO-15, the last refueling outage of the Second Ten Year Interval.

¹ The total number of examinations under this reporting has changed because prior reporting divided welds into segments and credited each upon completion of that portion of the weld. Now, upon completion of a segment, the exam is tallied as a whole weld. Note: One (1) RPV shell weld is included within the population of 5 for Code Category B-A.



CODE CATEGORY B-D

Eighteen (18) examinations were performed on full penetration welds of nozzles in the reactor vessel. Of those six (6) were nozzle welds, and 12 were inner radius examinations. All welds and inner radius examinations were found to be acceptable by examination. These examinations, added to those credited to the first two Periods, equate to 66 of 80, for a percentage completion of 83% for Code Examination Category B-D. The remaining welds and Inner Radius examinations are scheduled for examination during RFO-15.

CODE CATEGORY B-E

The Second Interval requirements for examination of Code Category B-E were completed during refueling outage twelve (RFO-12).

CODE CATEGORY B-F

Eighteen (18) examinations were performed on pressure retaining dissimilar metal welds, all of which were found to be acceptable by examination. These examinations, added to those credited to the first two Periods, equate to 41 of 48 non-deferrable welds, for a percentage completion of 85% for Code Examination Category B-F². (It should be noted that some welds are performed more than once per Interval to fulfill the USNRC Generic Letter 88-01 frequency for examination). The remaining weld examinations are scheduled to be completed during RFO-15.

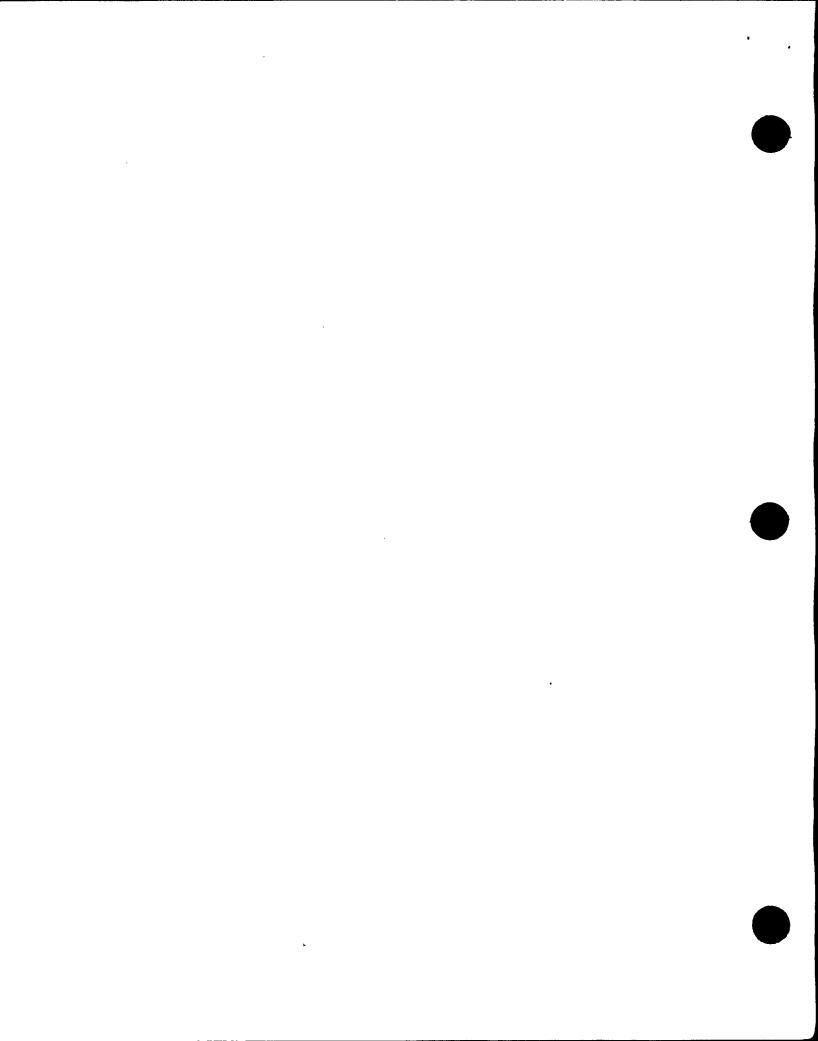
CODE CATEGORY B-G-1

Only one examination was performed on pressure retaining bolting greater than 2" in diameter this cycle. This examination, added to those credited to the first two Periods, brings the total performed for Code Examination Category B-G-1 to 216 (out of a possible 393 - Code quotas are not applicable to this Category). The remaining examinations are scheduled to be completed during RFO-15.

CODE CATEGORY B-G-2

Fifty-eight visual examinations were performed on pressure retaining bolting 2" and less in diameter. Fifty-seven were accepted by examination, one was accepted by evaluation. These

²The total number of examinations under this reporting has changed (increased by 1) due to a dissimilar metal weld at a valve, inadvertently omitted from previous reporting.



examinations, added to those credited to the first two Periods, equate to 164 of 231, for a percentage completion of 71% for Code Examination Category B-G-2³.

CODE CATEGORY B-H

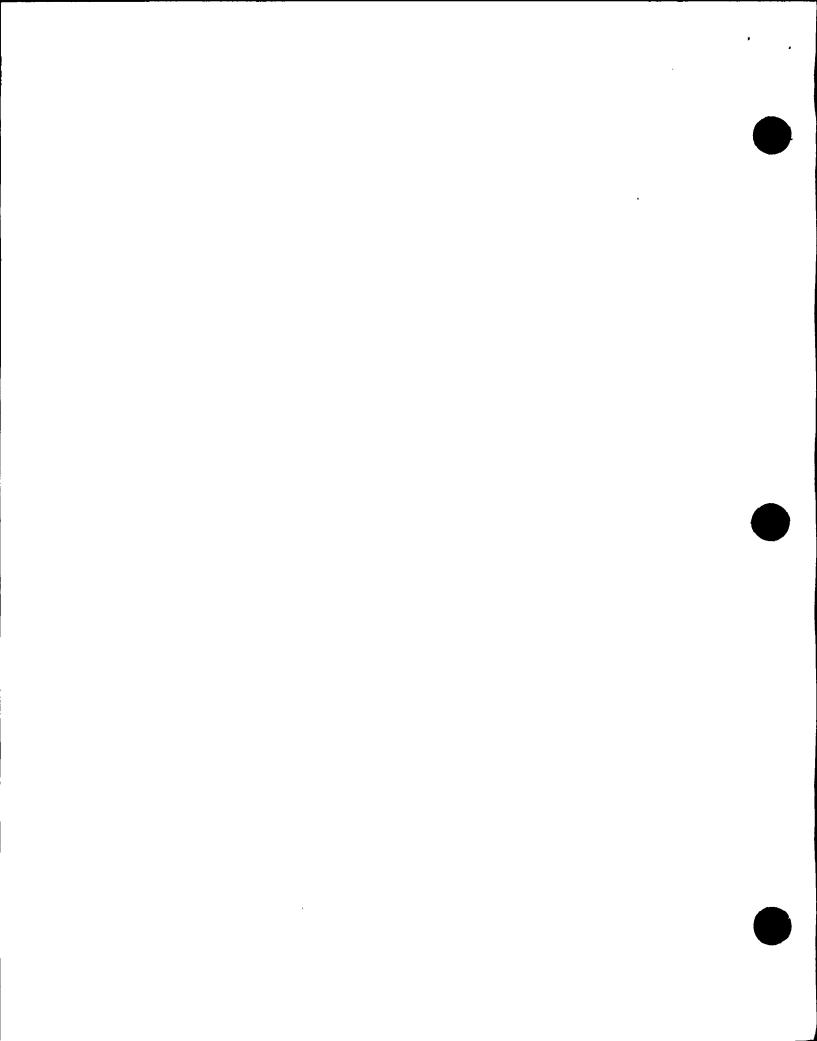
One examination was performed on integral attachments to the reactor vessel. The inside surface of the attachment weld joining the support (skirt) to the reactor vessel was completed by volumetric examination, as this surface area is inaccessible from under the vessel (between the Control Rod Drive Mechanism (CRDM) and the skirt). As was the case with the First Ten Year Interval, NMPC anticipates resubmitting a Request for Relief pursuant to 10CFR50.55a(g)(6)(i), at the culmination of examinations for this Second Interval due to RPV Stabilizer brackets limiting the extent of surface examination (LP) to 31%; and because there has been no change in the factors which originally limited examination. There are 5 integral attachments, however previous reporting stated a population of 6 examinations as the support skirt is divided into two examinations, one from the inside and one from the outside diameter. With this, the total examinations performed on Code Examination Category B-H is 3 out of 5 which equates to a 60% completion percentage, assuming these examinations will again be acceptable to the Commission. The remaining two integral attachment weld examinations are scheduled to be completed during RFO-15.

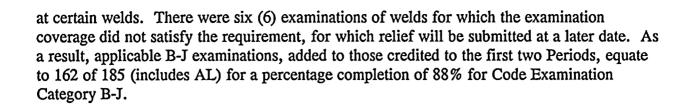
CODE CATEGORY B-J

There were forty-two (42) Code circumferential weld examinations performed on pressure retaining welds in piping. Forty-one (41) were accepted by examination results and one (1) was accepted by analytical evaluation. There were nine (9) additional (expanded sample) weld examinations required in the reactor recirculation system as a result of the Engineering evaluation and disposition of weld 32-WD-050, which identified a flaw indication exceeding the acceptance standard of IWB-3000. All of the expanded sample welds were accepted by examination. There were also fifteen (15) Code required examinations performed on pressure retaining associated longitudinal (AL) welds intersecting the circumferential welds in piping, all accepted by examination. Additionally, sixty (60) Ultrasonic Examinations required by Generic Letter 88-01 were performed on pressure retaining welds in piping and accepted by examination. The bulk of those Generic Letter 88-01 examinations are, by Code, not included in the Category B-J mandated population. As was the case with the First Ten Year Interval, NMPC anticipates resubmitting a Request for Relief pursuant to 10CFR50.55a(g)(6)(i), at the culmination of examinations for this Second Interval due to limitations of examination volume

³ Code Item B7.80, CRD Housings, Bolts, Studs, and Nuts requires examination when a control rod drive is disassembled. Some CRD have been disassembled more than once during this interval, hence, the credited number fluctuates from the examinations performed tally.

⁴ Note some of the Code credited examinations also satisfy the GL 88-01 examination requirements and are not counted twice.





CODE CATEGORY B-K-1

All twenty-two (22) examinations performed on integral attachments for piping and valves were accepted by examination. As a result, B-K-1 examinations, added to those credited to the first two Periods, equate to 87 of 100, for a percentage completion of 87%. However, as identified in the last reporting, over examination had occurred resulting in a completion ratio above that allowed by the Code for the Second period. Because of this, four (4) integral attachments have been rescheduled to be repeated within this period (now at RFO-15), with the remaining attachments to be examined. This will result in accounting for a maximum 67% percentage completion within the Second period. Also as previously reported, the schedule for the third interval plan will be altered to assure no repetition of this over-inspection.

CODE CATEGORY B-L-1

No examinations were performed on pressure retaining welds in pump casings, as this Examination Category (B-L-1) is not applicable at NMP1.

CODE CATEGORY B-L-2

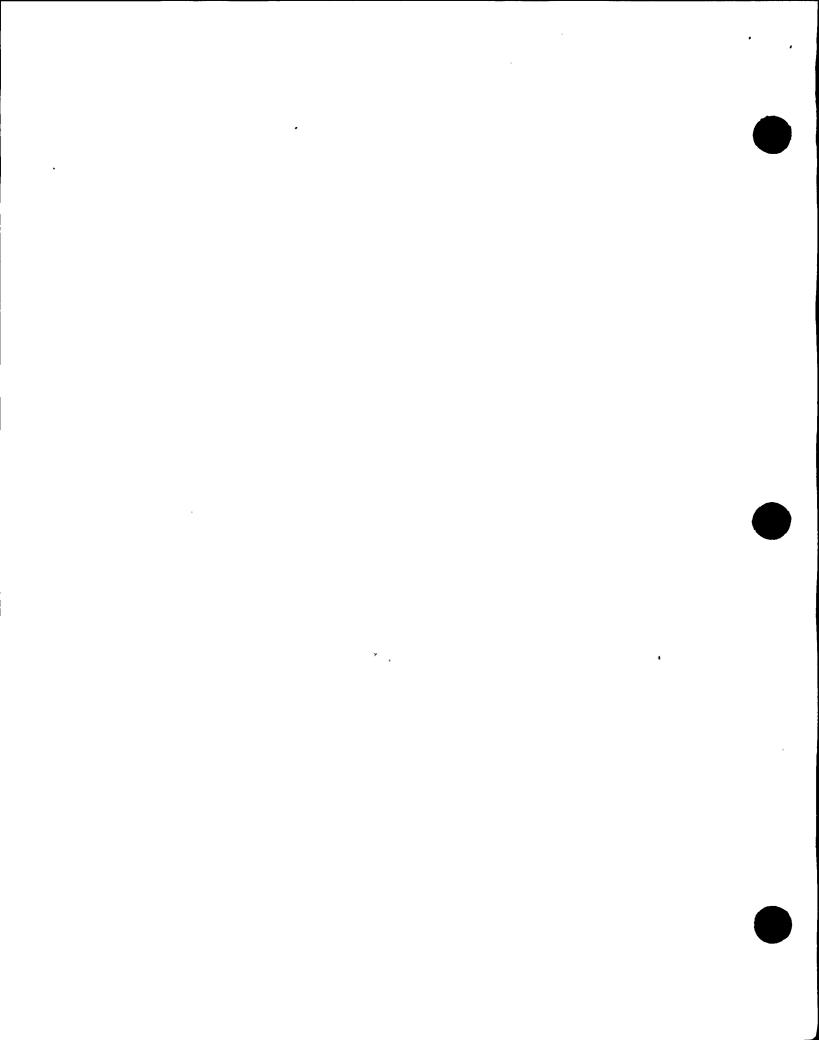
There were no pump casing (internal surface) examinations performed this cycle. The internal surface of Recirculation Pump #14 casing was examined at RFO-12, therefore the Interval requirements have been meet; one out of a population of 5 Code quotas are not applicable to this Category (B-L-2).

CODE CATEGORY B-M-1

No examinations were performed on pressure retaining welds in valve bodies, as this Examination Category (B-M-1) is also not applicable at NMP1.

CODE CATEGORY B-M-2

There were no examinations performed on valve bodies (internal body surfaces) this cycle. Therefore, the total examined remains the same as those that were performed within the first





two Periods, which is revised because the count was one to high as reported after RFO-12. Thus, the total number of examinations performed for Code Examination Category B-M-2 components is 30 (out of a population⁵ of 67). Code quotas are not applicable to this Category.

CODE CATEGORY B-N-1

All six examinations performed on the interior of the reactor vessel were accepted by examination. These examinations, added to those credited to the first two Periods of this Interval, equate to 18 of 18 items that are used to define the required ASME XI examinations, for a percentage completion of 100% for Code Examination Category B-N-1. This completes the examinations for this category for the Second Ten Year Inservice Inspection Interval.

CODE CATEGORY B-N-2

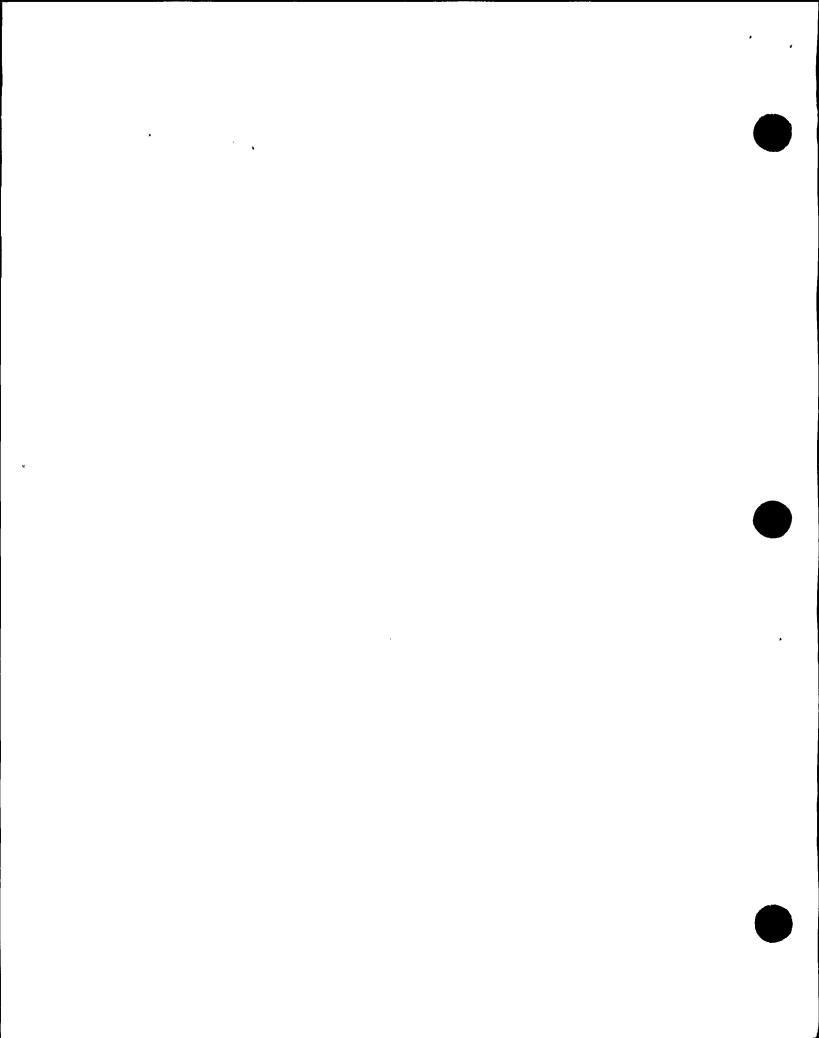
No examinations were credited to those items that are used to define the required ASME XI examinations on integrally welded core support structures and interior attachments to the reactor vessel this cycle. The total performed on Code Examination Category B-N-2 components remains at 5 out of a population of 5 for a completion percentage of 100% for this Second Interval (Code quotas are not applicable to this Category)⁶. Additionally, inspection of the core shroud, attachment weld, and shroud repair components were conducted pursuant to USNRC Generic Letter 94-03, and the Boiling Water Reactor Vessel and Internal Project (BWRVIP) Document BWRVIP-07. The results of these examinations were transmitted to the USNRC by submittal dated April 8, 1997.

CODE CATEGORY B-N-3

No examinations were performed on removable core support structures in the reactor vessel, as this Examination Category (B-N-3) is not applicable at NMP1.

⁵ The total number of valves in Code Category B-M-2 has changed. This is due to the reduction of safety relief valves on the Reactor Vessel, (Mod. # N1-93-021).

⁶ As previously reported after Refueling Outages 12 and 13, for Code Examination Category B-N-2, the Second Period requirements were completed during RFO-12, and inferred that they would be performed again in the Third Period. However, these examinations were completed in the first period at RFO-11, (also again in the second period at RFO-12, although not required) which satisfied the Code requirements and Program commitment for this Second Interval.



CODE CATEGORY B-O

There were no surface examinations performed on pressure retaining welds in control rod drive housings this cycle. Thus, the total performed remains at 4 (out of a possible 8) Code quotas are not applicable to Code Examination Category B-O. The remaining weld examinations are scheduled to be completed during RFO-15. However, augmented UT examinations were performed during RFO-14 at ten (10) of the stub tube to control rod drive housing (CRDH) J-welds and in the roll repair area. These examinations were performed satisfactorily (no evidence of flaws were detected), prior and subsequent to the roll repair (USNRC sanctioned, non-Code repair, stub tube rolling operation) of the applicable housing.

CODE CATEGORY B-P

A VT-2 examination was performed on the pressure retaining components in the reactor coolant pressure boundary during a system leakage test, which was conducted at the conclusion of RFO-14, to satisfy Examination Category B-P requirements. Of the hundreds of items examined, only fifty-three (53) revealed any leakage and of those only 4 items were rejected. Any leakage found was accepted by examination, except for four (4) items, which were accepted by USNRC sanctioned, non-Code repair, (stub tube rolling operation).

CODE CATEGORY B-Q

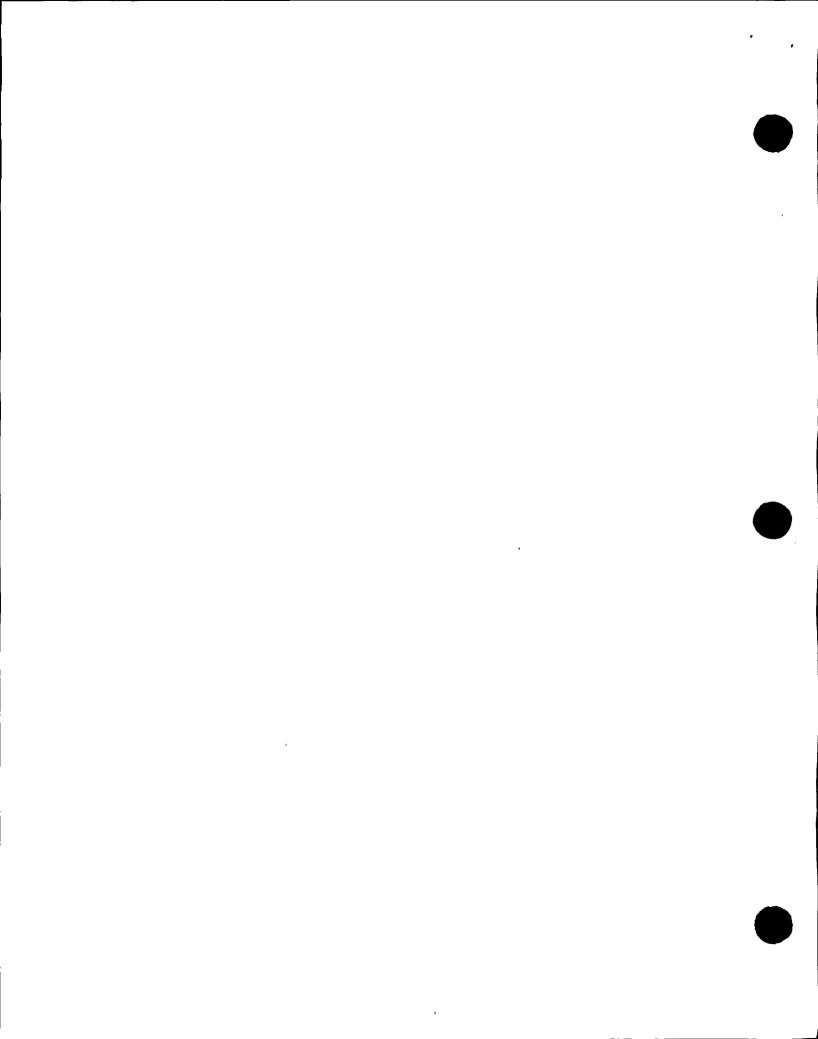
No examinations were performed on steam generator tubing, as this Examination Category (B-Q) is not applicable at NMP1.

RESULTS ACHIEVED CONTINUED - CLASS 2

CLASS 2 PRESSURE BOUNDARY EXAMINATIONS

CODE CATEGORY C-A

There were no examinations performed on pressure retaining welds in pressure vessels this cycle. However, for this Second Interval there are only three examinations required in this category, of which two were completed in the Second Period. Thus, the total performed on Code Examination Category C-A remains at 2 (out of 3), for a percentage completion of 67%. As reported previously, the remaining (third) weld examination is scheduled for the last outage of the Interval, and therefore, scheduled to be completed by the end RFO-15.



CODE CATEGORY C-B

There were no examinations performed on pressure retaining nozzle welds in vessels this cycle. Therefore, the count remains unchanged from the first two Periods, with the total performed on Code Examination Category C-B at 2 (out of 4), for a percentage completion of 50%. The remaining two welds in this category are scheduled for examination during RFO-15.

CODE CATEGORY C-C

There were 4 examinations performed on integral attachments for vessels, piping, pumps, and valves which were accepted by examination. These examinations, added to those credited to the first two Periods, equate to 76 of 107 for a percentage completion of 71% for Code Examination Category C-C. The remaining examinations in this category are scheduled to be completed prior to the end of the *third period* (RFO-15).

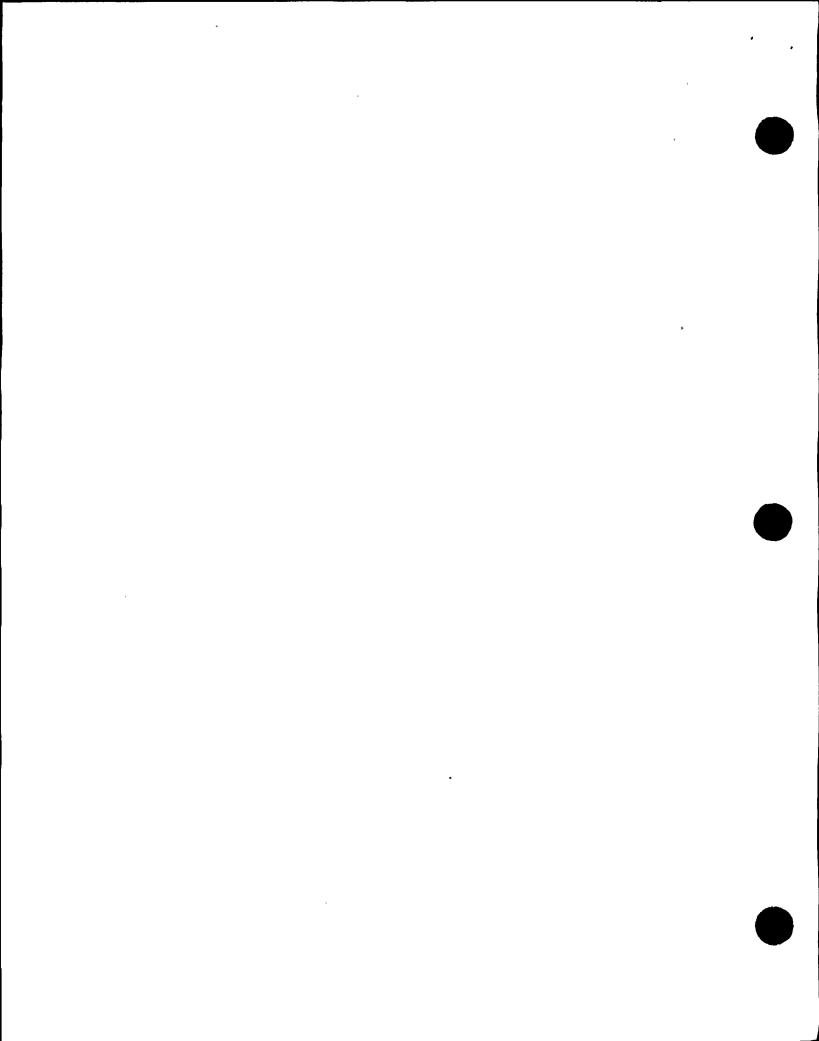
CODE CATEGORY C-D

Examinations were not performed on pressure retaining bolting greater than 2" in diameter, as this Examination Category (C-D) is not applicable at NMP1.

CODE CATEGORY C-F-1

There were four (4) Code required examinations performed on pressure retaining (circumferential) welds in austenitic stainless steels or high alloy piping that were accepted by examination. There were also eleven (11) Code required examinations performed on pressure retaining associated longitudinal (AL) welds intersecting the circumferential welds in piping, accepted by examination. Additionally, thirty-two (32) Ultrasonic Examinations required by Generic Letter 88-01, were performed on pressure retaining welds in austenitic stainless steels or high alloy piping and accepted by examination. The bulk of those Generic Letter 88-01 examinations are, by Code, not included in the Category C-F-1 mandated population. As a result, applicable C-F-1 examinations, added to those credited to the first two Periods, equate to 59 of 70 (includes AL) for a percentage completion of 84% for Code Examination Category C-F-1. The remaining weld examinations in this category are scheduled to be completed prior to the end of the *third period* (RFO-15).

⁷ The total population was reduced. This is attributed to updating for piping replacements which eliminate longitudinal seam welds (Ref. DDC 1M00009 - Mod # N1-89-120).



CODE CATEGORY C-F-2

No examinations were performed on pressure retaining welds in carbon or low alloy steel piping this cycle. Therefore, the count remains unchanged from those credited to the first two Periods, with the total performed at 50 of 79, for a completion percentage of 63% for Code Examination Category C-F-2. The remaining examinations in this category are scheduled to be completed prior to the end of the third Period (RFO-15).

CODE CATEGORY C-G

For Code Examination Category C-G, there were no examinations performed on pressure retaining welds in pumps and valves this cycle. For NMP1, all of these examinations are on pumps. Thus, the count remains unchanged from those credited to the first two Periods, with the total performed at 5 of 16, (another 3 welds were previously attempted, but they are buried in concrete making them inaccessible). Therefore, as reported previously, NMPC anticipates submitting a Request for Relief pursuant to 10CFR50.55a(g)(6)(i) at the culmination of examinations for this Second Interval. With that, a completion percentage of 31% for Code Examination Category C-G has been achieved, or assuming the Commission's acceptance of a request for relief, then the completion percentage becomes 50% (8 out of 16). The remaining examinations in this category are scheduled to be completed prior to the end of this third Period (RFO-15).

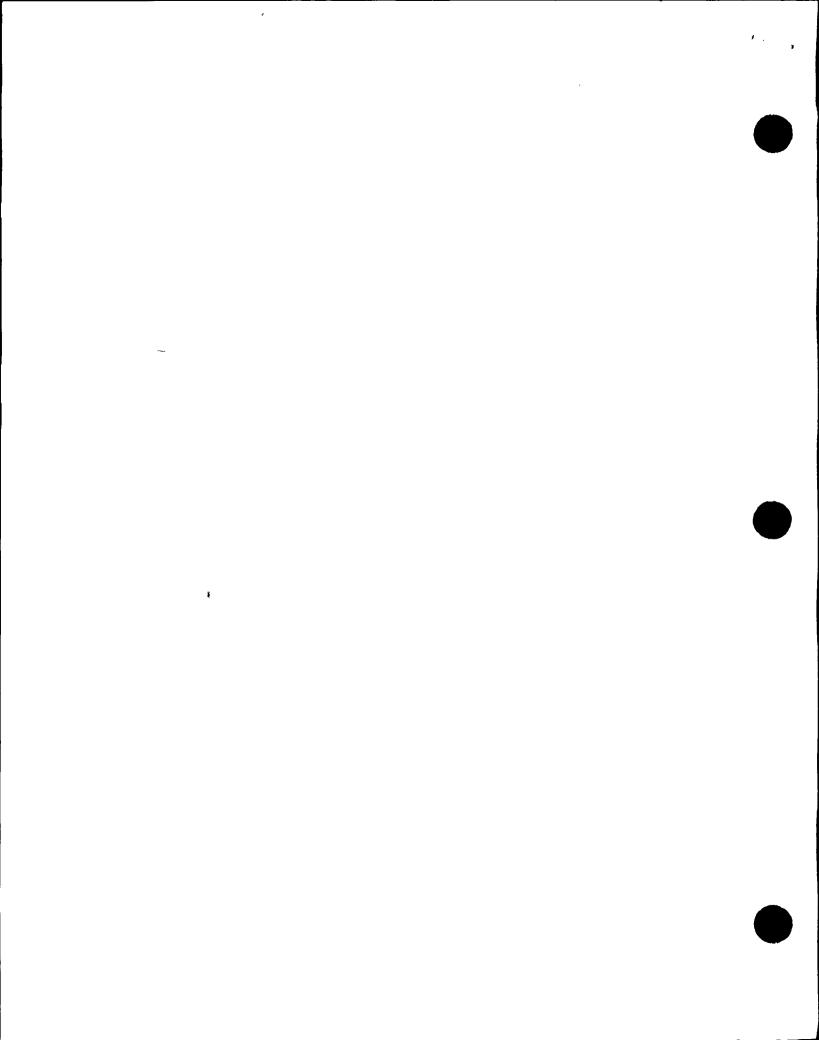
CODE CATEGORY C-H (D-A, D-B, D-C)

VT-2 examinations were conducted pursuant to Examination Categories C-H, D-A, D-B, D-C. The pressure tests required to satisfy the Second Period examination requirements have been conducted. No pressure tests have been performed to date for the Third Period. NMPC anticipates that the balance of periodic testing and examination requirements for these categories will be met by the end of the Third Period.

RESULTS ACHIEVED CONTINUED - COMPONENT SUPPORTS

CLASS 1 COMPONENT SUPPORT EXAMINATIONS

There were Seventy-three (73) examinations performed on Class 1 component supports with sixty-six (66) accepted by examination. Seven (7) were dispositioned as acceptable by engineering evaluation. No Repair, Replacement, or additional examinations (expanded sample) were required.



CLASS 2 COMPONENT SUPPORT EXAMINATIONS

There were Fifty-one (51) examinations performed on Class 2 component supports, with forty-seven (47) accepted by examination. Four (4) were accepted by engineering evaluation. No Repair, Replacement, or additional examinations (expanded sample) were required.

CLASS 3 COMPONENT SUPPORT EXAMINATIONS

There were two hundred (200) examinations performed on Class 3 component supports, with one hundred ninety-eight (198) accepted by examination. Only two (2) were dispositioned as acceptable by engineering evaluation. No Repair, Replacement, or additional examinations (expanded sample) were required. These examinations (Class 3, in a report whose scope is Class 1 and 2 only) are reported for the sake of clarity, pursuant to IWF-2410(b).

NIS-1 Data Report

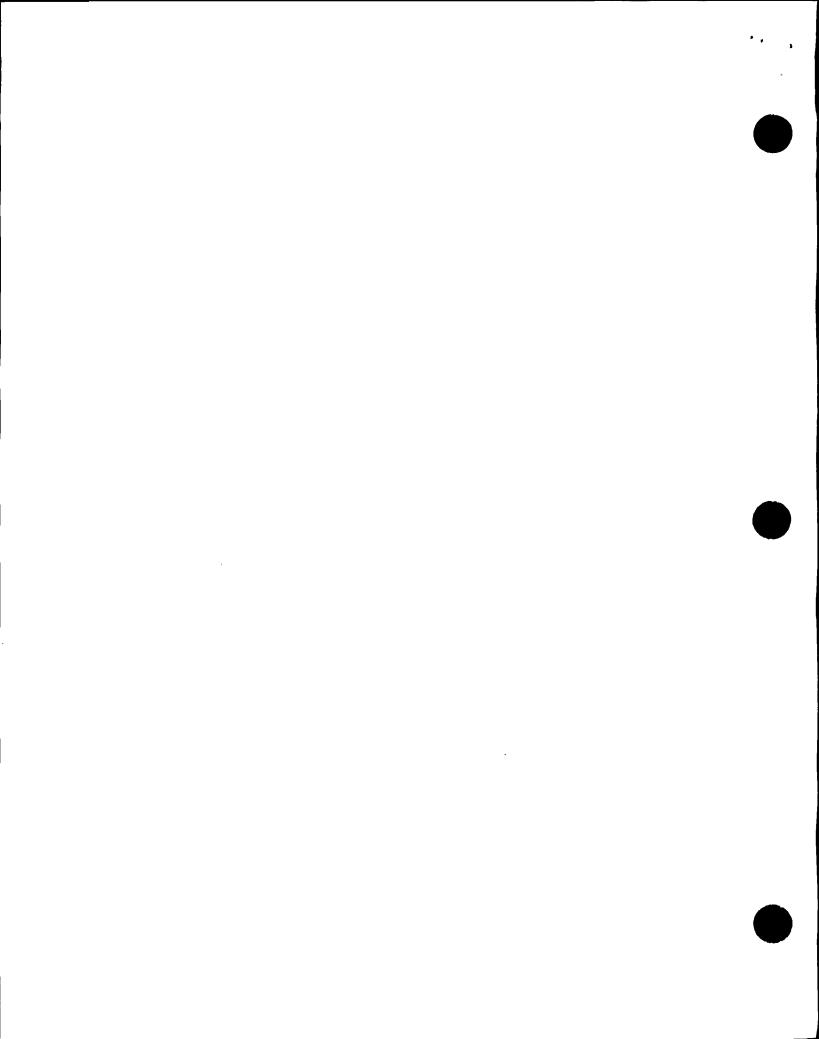
As required by the Code, enclosed is a copy of the NIS-1 data report that has been signed by a duly authorized representative of our authorized inspection agency. This report attests to the examinations and corrective measures reported above.

NIS-2 Data Reports

Code maintenance, modification, and corrective actions conducted under NMP1's ASME XI repair/replacement program (a set of documents that define the managerial and administrative controls for the completion of repairs or the replacements of items) during the fourteenth fuel cycle have resulted in 67 Class 1, 37 Class 2, and 34 Class 3, NIS-2 data reports. They have been signed by a duly authorized representative of our authorized inspection agency (as required by the Code). The Class 1 and 2 data reports are enclosed.

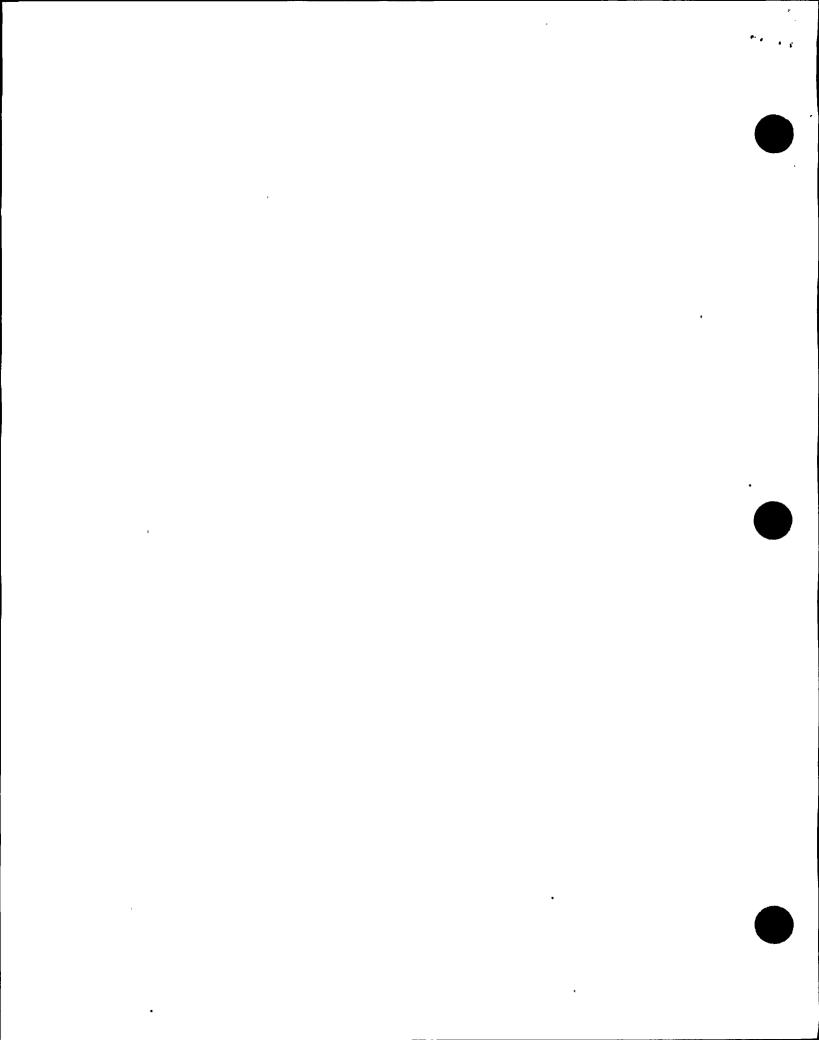
CONCLUSION

The composite percentage of code non-deferrable examinations completed is 76%. This is a 11% increase from that credited in the last reporting near the closing of the Second Period. The remaining examinations are scheduled to be completed prior to the end of this third and final Period of the Second Interval during our Fifteenth Refueling Outage (RFO-15), which is currently scheduled for March 1999. The additional refueling outage became part of this Period due to the extension of the Period/Interval by approximately three months (to coincide with RFO-15 as allowed by the Code). This allows NMP1 ample time to complete the remaining number of examinations to be performed and sets NMP1 in a good position to finish out the last Period, and therefore the Interval, as currently scheduled.

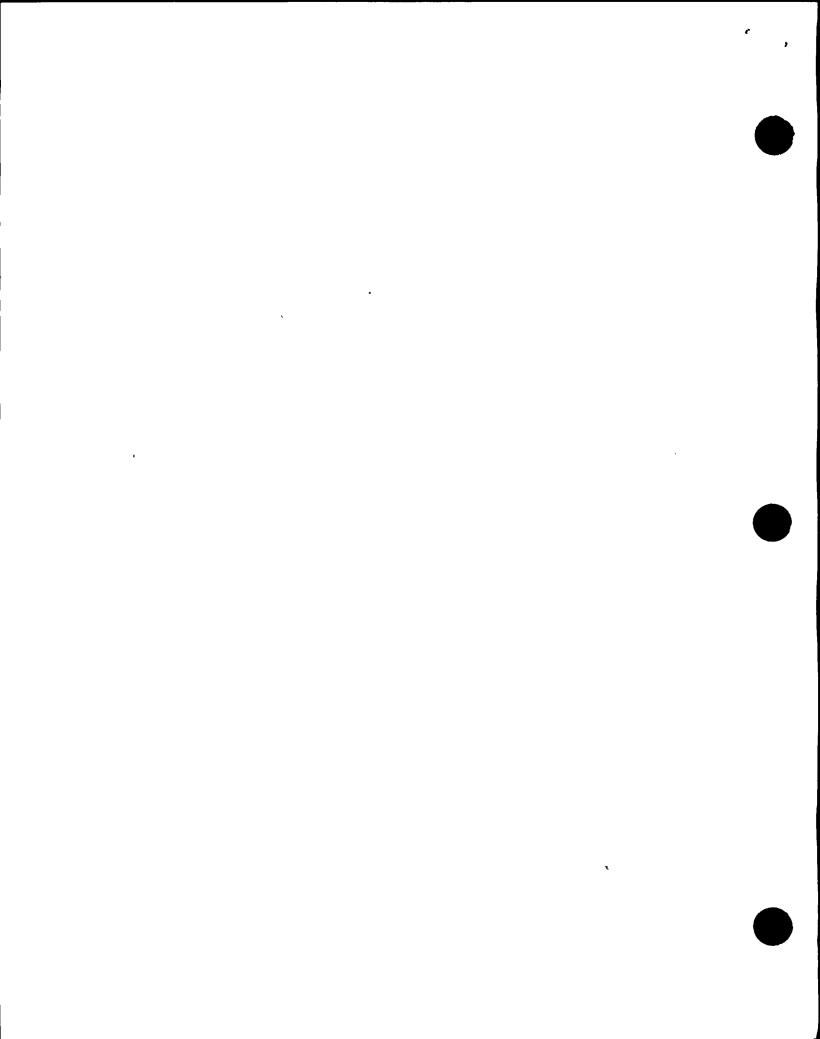


Virtually 100% of all ISI pressure boundary examinations performed for this cycle were "Accepted by Examination", (i.e., they required neither Engineering Evaluation, Repair, nor Replacement as the Code justification for continued service). Approximately 97% of all ISI examinations of supports performed for RFO-14 were accepted by examination, with the balance being accepted by engineering evaluation.

enc. NIS-1 Data Report (1)
Abstract of Augmented Examinations (1)
NIS-2 Data Reports (104)



NIS-1 DATA REPORT



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

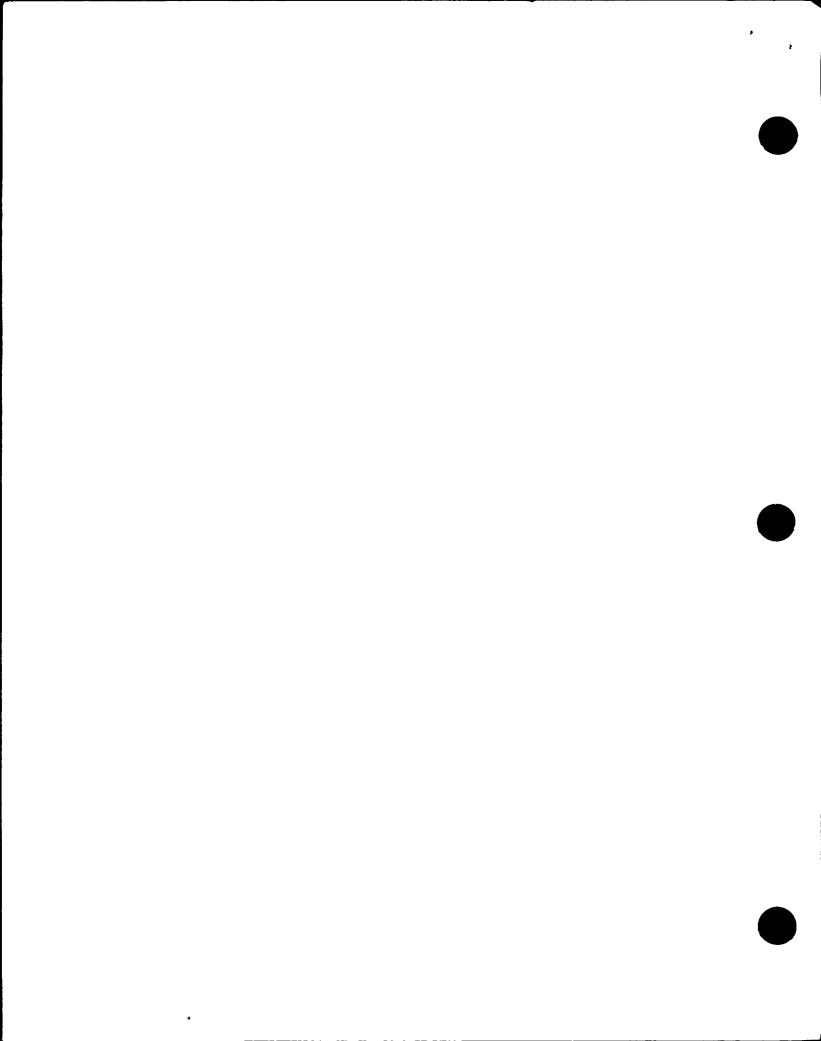
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1.	Owner Niagara Mohawk Power Corporation PO Box 63, Lycoming, NY 13093 (Name and Address of Owner)		
2.	Plant Nine Mile Point Unit #1 PO Box 63, Lycoming, NY 13093 (Name and Address of Plant)		
3.	3. Plant Unit #1 4. Owner Certificate of Authorization (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 - 18

Manufacturer	Manufacturer	State on	National
or Installer	Serial No.	Province No.	Board No.
Combustion Engineering	CE64101		14893
Combustion Engineering	CE64101	N/A	14893
Byron Jackson Pump Div.	32-188	N/A	N/A
Byron Jackson Pump Div.	32-191	N/A	N/A
Crane-Chapman	32-385	N/A	N/A
Crane-Chapman	32-386	N/A	N/A
Crane-Chapman	32-387	N/A	N/A
· Crane-Chapman	32-389	N/A	N/A
Crane-Chapman	38-01	N/A	N/A
M.W.Kellogg ,	01.0	N/A	N/A
M.W.Kellogg	31.0	N/A	N/A
Newport News Industrial Corp.	32.0	N/A	N/A
M.W.Kellogg	33.0/33.2/33.3	N/A	N/A
M.W.Kellogg	36.0	N/A	N/A
M.W.Kellogg	37.0/37.1	N/A	N/A
M.W.Kellogg	38.0	N/A	N/A
M.W.Kellogg	39.0	N/A	N/A
M.W.Kellogg	40.0	N/A	N/A
M.W.Kellogg	42.1	N/A	N/A
M.W.Kellogg	44.1	N/A	N/A
M.W.Kellogg	54.0	N/A	N/A
	Combustion Engineering Combustion Engineering Byron Jackson Pump Div. Byron Jackson Pump Div. Crane-Chapman Crane-Chapman Crane-Chapman Crane-Chapman M.W.Kellogg M.W.Kellogg	Manufacturer or Installer or Installer Combustion Engineering CE64101 Combustion Engineering CE64101 Byron Jackson Pump Div. 32-188 Byron Jackson Pump Div. 32-191 Crane-Chapman 32-385 Crane-Chapman 32-386 Crane-Chapman 32-387 Crane-Chapman 32-389 Crane-Chapman 38-01 M.W.Kellogg 01.0 M.W.Kellogg 31.0 Newport News Industrial Corp. 32.0 M.W.Kellogg 36.0 M.W.Kellogg 37.0/37.1 M.W.Kellogg 39.0 M.W.Kellogg 40.0 M.W.Kellogg 42.1 M.W.Kellogg 44.1	Manufacturer or Installer Or Installer Serial No. State or Province No. Combustion Engineering CE64101 N/A Combustion Engineering CE64101 N/A Byron Jackson Pump Div. 32-188 N/A Byron Jackson Pump Div. 32-191 N/A Crane-Chapman 32-385 N/A Crane-Chapman 32-386 N/A Crane-Chapman 32-387 N/A Crane-Chapman 32-389 N/A M.W.Kellogg 01.0 N/A M.W.Kellogg 31.0 N/A M.W.Kellogg 31.0 N/A M.W.Kellogg 33.0/33.2/33.3 N/A M.W.Kellogg 36.0 N/A M.W.Kellogg 38.0 N/A M.W.Kellogg 39.0 N/A M.W.Kellogg 40.0 N/A M.W.Kellogg 42.1 N/A M.W.Kellogg 42.1 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

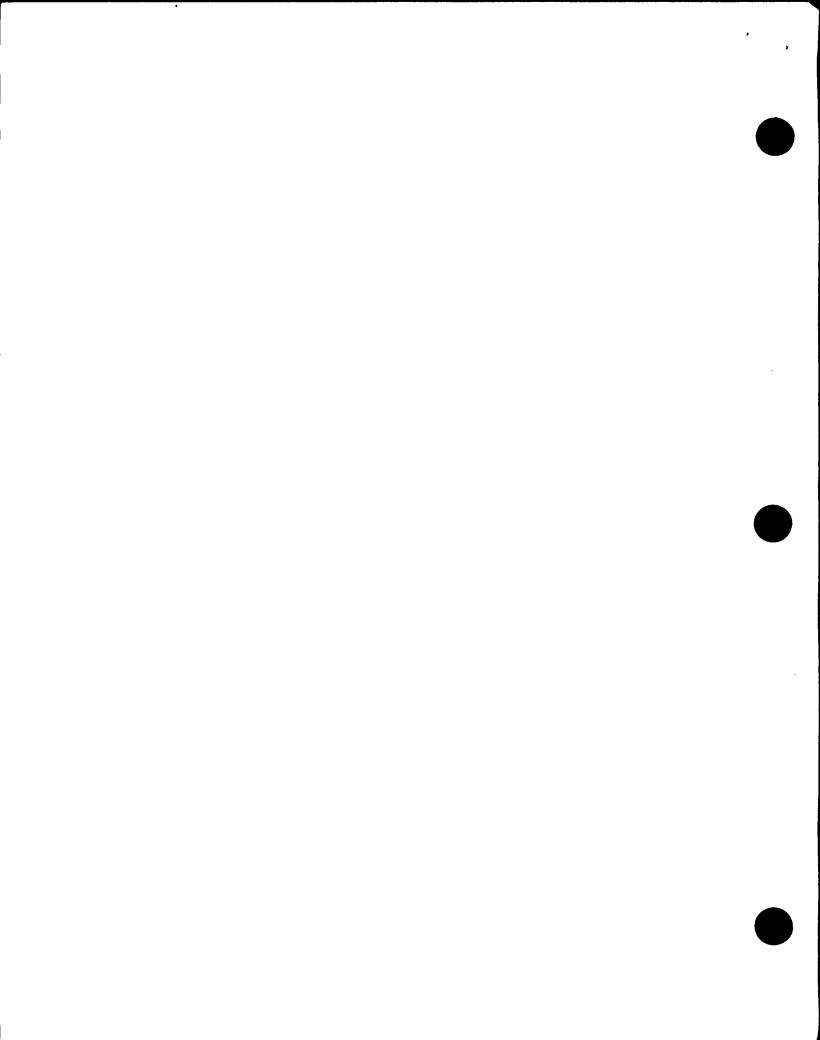
Page 2 of 3

1.	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.	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				

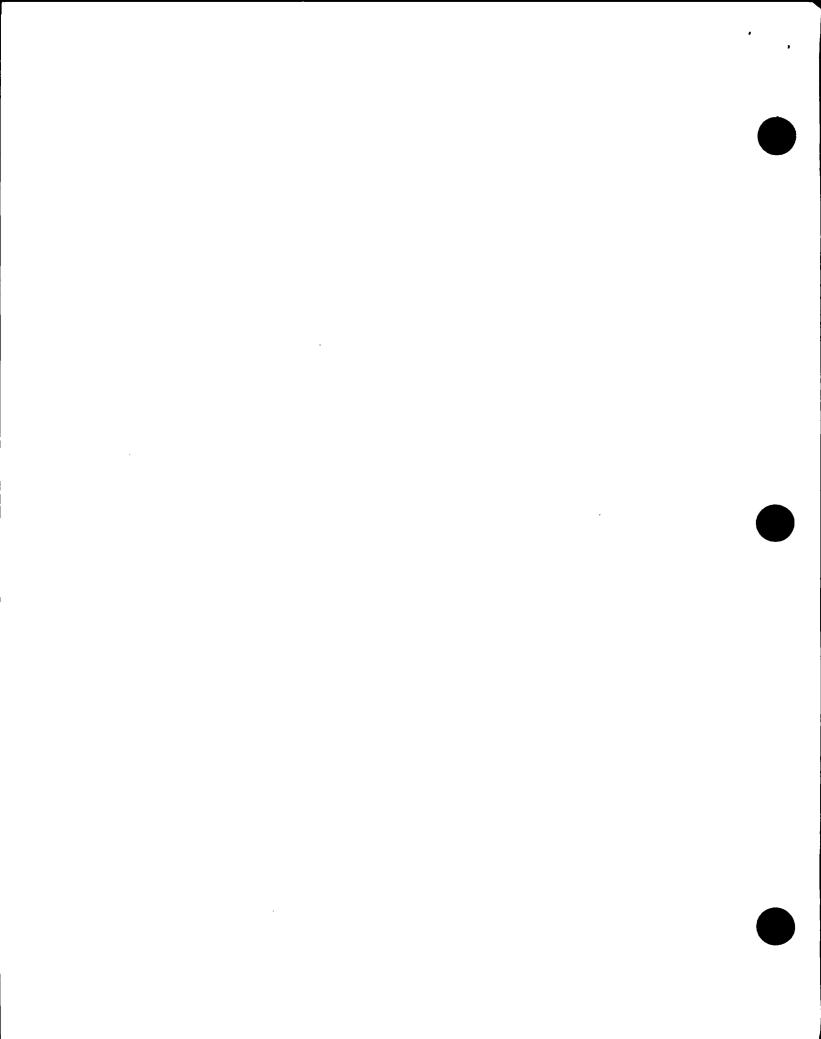
7. Components Inspected Please see attached Abstract of Examinations pages 1 - 18

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
60.0 Emergency Condencer Make-Up	M.W.Kellogg	60.0	N/A	N/A
68.0 Drywell & Torus Vacuum 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 Gen. 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 Reactor Core Spray	M.W.Kellogg	81.0	N/A	N/A
93.0 Containment Spray Raw Water	M.W.Kellogg	93.0	N/A	N/A
		•		
	**- *:			

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 81/2 in. x 11 in., (2) information in items 1 through 6 on this 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.



8. Examination Dates 4/5/95 to 5/10/97 9. Inspection Interval from 6/86 to 3/99
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See Attached Abstract of Examinations and Summary Report Section
11. Abstract of Conditions Noted See Summary Report Section
12. Abstract of Corrective Measures Recommended and Taken See Summary Report Section
A
We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.
Niagara Mohawk Posts 1/9/97 Signed Power Corporation By 1/1/1/1/4 for C6 8 at 4 an
Date Signed Power Corporation By William Co Section Owner
Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Certificate of Authorization No. (if applicable) Expiration DateN/A
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and/or the State or Province of New Yorkand employed by Arkwright Mut. Ins. Co. of
Mass. have inspected the components described in this Owner's Data Report during the period to 5/10/97, and state that to the best of my knowledge and belief, the Owner has
performed examinations and taken corrective measures described in this Owners' Data Report in accordance
with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his his employer makes any warranty, expressed or
implied, concerning the examinations and corrective measures described in this Owners' Data 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.
Date 7/9/97
Lonn D Clockern Commissions NB 8496 SNY 2812
Inspector's Signature Zola 8/8/97 National Board, State, Province and No.



Commercial Service Date: Dec. 1969 1997 Outage Summary Report - Abstract of Examinations of 18 Page: 1 Data Sheet % Exam Exam Sys Exam Item Number Comp. Date Comments Type 00.0 36-WD-1073 1-6.08-97-0032 UT-45 3/24/97 Acceptable by Examination 1-6.08-97-0033 **UT-60** 3/24/97 30% CRV achieved by averaging sum of required scans. Relief Request Required. 1-6.08-97-0034 UT-0 3/24/97 00.0 36-WD-1073-IR 1-6.07-97-0037 **UT-45** 100 3/15/97 Acceptable by Examination UT-70 100 3/15/97 1-6.07-97-0038 UT-45 100 3/17/97 1-6.07-97-0039 **UT-45** 3/17/97 1-6.07-97-0040 100 37-WD-001-IR **UT-45** 00.0 1-6.07-97-0002 100 3/17/97 Acceptable by Examination 1-6.07-97-0003 UT-45 100 3/17/97 1-6.07-97-0004 UT-70 100 3/15/97 00.0 39-WD-002 1-3.00-97-0126 PT 100 3/20/97 Acceptable by Examination 1-6.13-97-0010 **UT-45** 100 3/20/97 **UT-45** 1-6.13-97-0011 100 3/20/97 **UT-60** 1-6.13-97-0012 100 3/20/97 1-6.13-97-0013 UT-45 100 3/21/97 0.00 CH-576-07C-B 1-2.01-97-0033 VT-1 100 3/8/97 Acceptable by Examination 0.00 CH-576-12A-B 1-2.01-97-0025 VT-1 100 3/8/97 Acceptable by Examination VT-1 00.0 CH-576-12D-B 100 1-2.01-97-0032 3/8/97 Acceptable by Examination 00.0 CH-576-12E-B **VT-1** 100 3/8/97 1-2.01-97-0031 Acceptable by Examination VT-1 00.0 CH-576-12G-B 1-2.01-97-0030 100 3/8/97 Acceptable by Examination 00.0 VT-1 Acceptable by Examination CH-576-12H-B 1-2.01-97-0026 100 3/8/97 0.00 CH-576-12J-B 1-2.01-97-0027 VT-1 100 3/8/97 Acceptable by Examination **VT-1** 00.0 CH-576-12L-B 100 3/8/97 1-2.01-97-0028 Acceptable by Examination 00.0 CH-576-12M-B VT-1 100 3/8/97 1-2.01-97-0029 Acceptable by Examination 00.0 CRD-A4-B 1-2.01-97-0076 VT-1 100 3/13/97 Acceptable by Examination 00.0 Acceptable by Examination CRD-B2-B 1-2.01-97-0098 **VT-1** 100 3/13/97 00.0 CRD-D2-B 1-2.01-97-0096 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-D7-B VT-1 100 1-2.01-97-0077 3/13/97 Acceptable by Examination 00.0 CRD-E4-B **VT-1** 1-2.01-97-0092 100 3/13/97 Acceptable by Examination 00.0 CRD-F1-B VT-1 100 3/13/97 1-2.01-97-0089 Acceptable by Examination 00.0 VT-1 CRD-G2-B 1-2.01-97-0079 100 3/13/97 Acceptable by Examination 00.0 CRD-G6-B 1-2.01-97-0102 **VT-1** 100 3/13/97 Acceptable by Examination 00.0 CRD-G7-B 1-2.01-97-0081 **VT-1** 100 3/13/97 Acceptable by Examination 00.0 CRD-H1-B 1-2.01-97-0087 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-H8-B 1-2.01-97-0075 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-K1-B VT-1 100 1-2.01-97-0100 3/13/97 Acceptable by Examination VT-1 00.0 100 3/13/97 CRD-K4-B 1-2.01-97-0069 Acceptable by Examination VT-1 00.0 CRD-K5-B 1-2.01-97-0073 100 3/13/97 Acceptable by Examination 00.0 CRD-L2-B 1-2.01-97-0066 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-M4-B 1-2.01-97-0068 **VT-1** 100 3/13/97 Acceptable by Examination 00.0 CRD-N10-B 1-2.01-97-0078 VT-1 100 3/13/97 Acceptable by Examination CRD-N3-B VT-1 100 00.0 1-2.01-97-0101 3/13/97 Acceptable by Examination VT-1 00.0 CRD-N4-B 1-2.01-97-0088 100 3/13/97 Acceptable by Examination VT-1 00.0 CRD-N6-B 1-2.01-97-0067 100 3/13/97 Acceptable by Examination 00.0 CRD-N8-B 1-2.01-97-0090 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-01-B 1-2.01-97-0103 **VT-1** 100 3/13/97 Acceptable by Examination 0.00 CRD-02-B 1-2.01-97-0086 VT-1 100 3/13/97 Acceptable by Examination 0.od CRD-03-B 1-2.01-97-0095 VT-1 100 3/13/97 Acceptable by Examination 00.0 VT-1 CRD-O5-B 1-2.01-97-0072 100 3/13/97 Acceptable by Examination

VT-1

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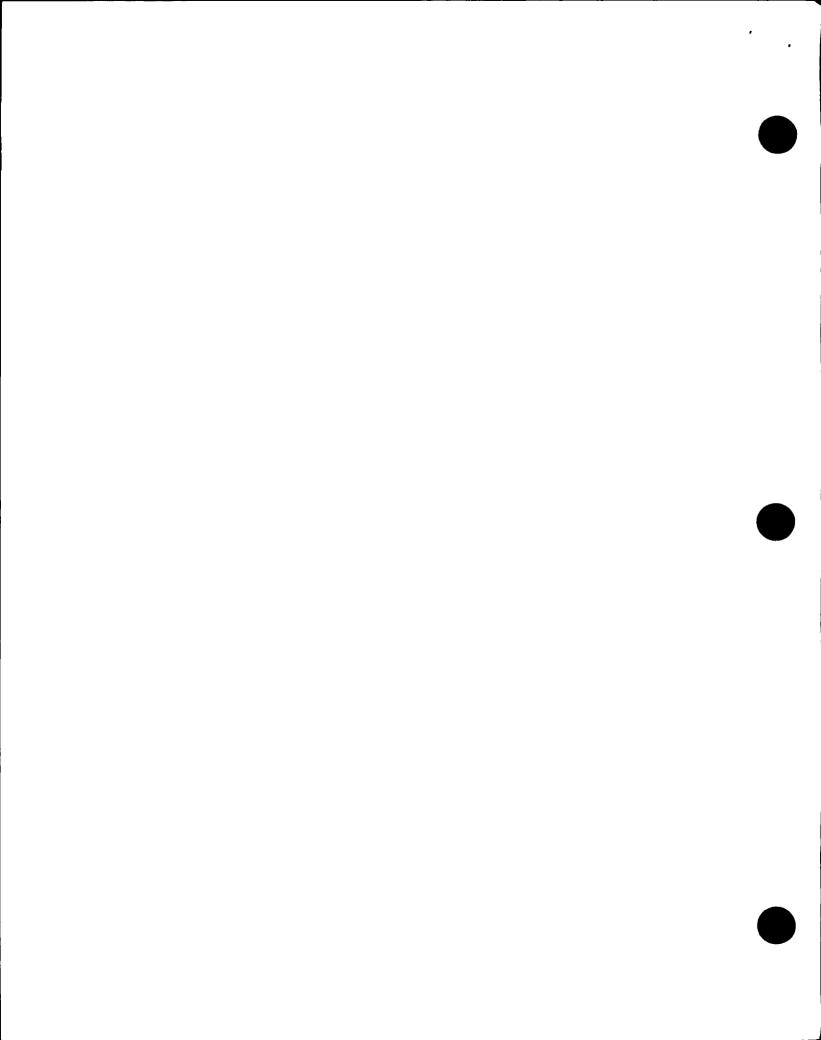
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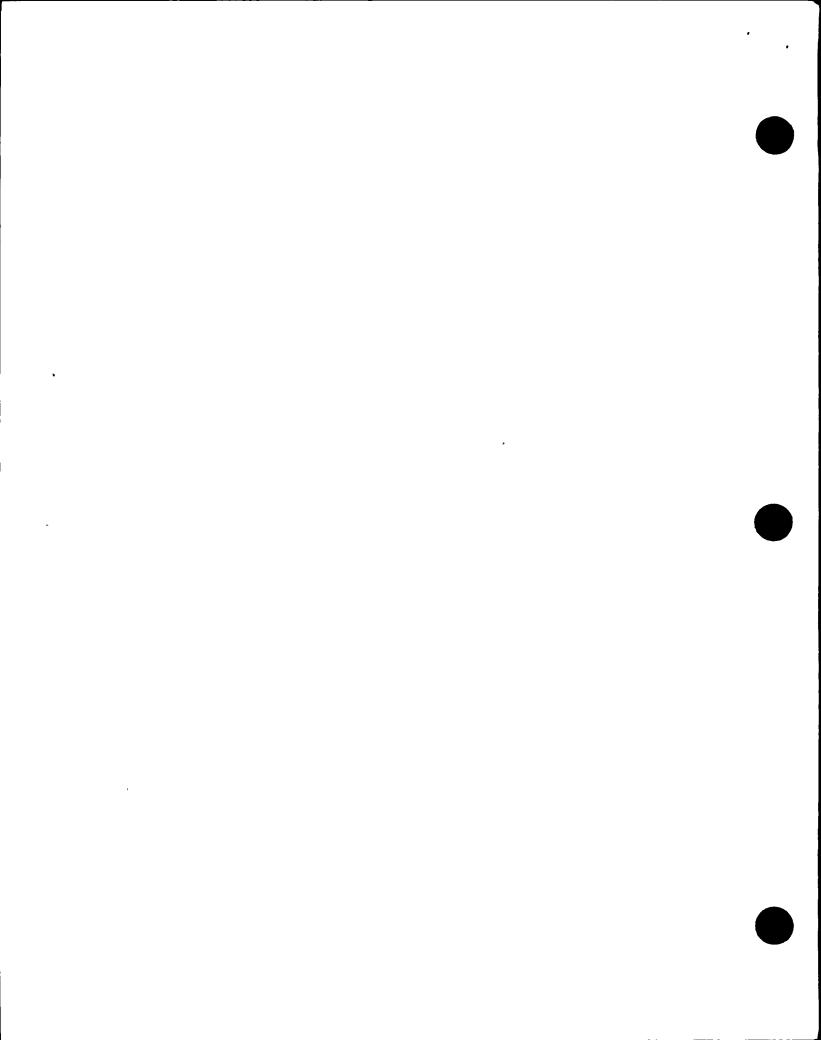
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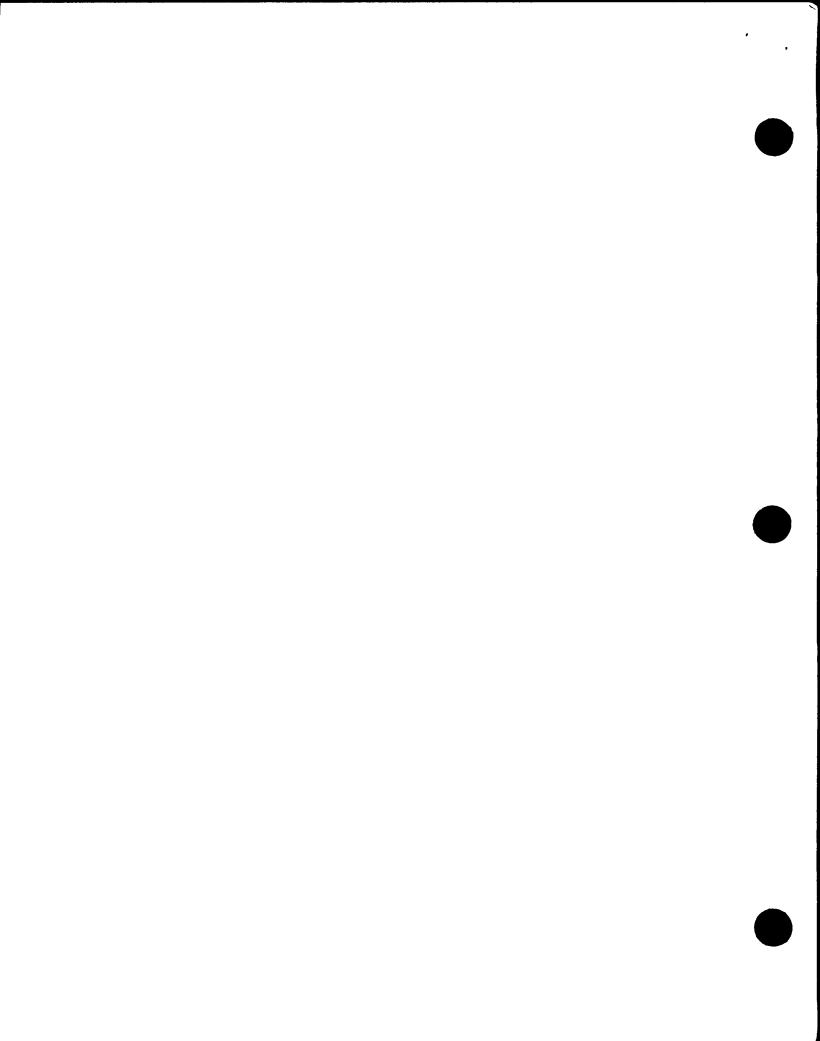


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Data Sheet 96 Exam Exam Svs Exam Item Compa Number Date Comments Type CRD-R2-B 0.00 3/13/97 1-2.01-97-0082 VT-1 100 Acceptable by Examination 00.0 CRD-R4-B 1-2.01-97-0065 VT-1 100 3/13/97 Acceptable by Examination 0.00 CRD-S1-B 1-2.01-97-0074 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-S2-B 1-2.01-97-0084 VT-1 100 3/13/97 Acceptable by Examination CRD-S3-B VT-1 0.00 1-2.01-97-0071 100 3/13/97 Acceptable by Examination CRD-S4-B 0.00 1-2.01-97-0080 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-T7-B 1-2.01-97-0091 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-U1-B 1-2.01-97-0085 VT-1 100 3/13/97 Acceptable by Examination 00.0 CRD-U2-B VT-1 1-2.01-97-0097 100 3/13/97 Acceptable by Examination 00.0 CRD-U3-B 3/13/97 1-2.01-97-0093 VT-1 100 Acceptable by Examination CRD-U4-B 00.0 1-2.01-97-0070 VT-1 100 3/13/97 Acceptable by Examination CRD-U7-B VT-1 100 00.0 1-2.01-97-0099 3/13/97 Acceptable by Examination 00.0 CRD-X-B 1-2.01-97-0094 VT-1 100 3/13/97 Acceptable by Examination **FUEL SUPPORT CASTING** 00.0 1-2.01-97-0045 VT-3 4/12/97 Acceptable by Examination @ 10-39 * 100 % of the accessible area. Reference: RV-16-I **FUEL SUPPORT CASTING** Acceptable by Examination **VT-3** 00.0 1-2.01-97-0045 4/12/97 @ 18-39 * 100 % of the accessible area. Reference: RV-16-I * 00.0 FUEL SUPPORT CASTING 1-2.01-97-0045 **VT-3** 4/17/97 Acceptable by Examination @ 22-03 * 100 % of the accessible area. Reference: RV-16-I 00.0 **FUEL SUPPORT CASTING** ٠ 1-2.01-97-0045 VT-3 4/12/97 Acceptable by Examination @ 22-39 * 100 % of the accessible area. Reference: RV-16-I **FUEL SUPPORT CASTING** * 1-2.01-97-0045 VT-3 4/12/97 Acceptable by Examination @ 26-39 * 100 % of the accessible area. Reference: RV-16-I 0.00 **FUEL SUPPORT CASTING** 1-2.01-97-0045 **VT-3** 4/12/97 Acceptable by Examination * 100 % of the accessible area. @ 30-39 Reference: RV-16-I 00.0 **FUEL SUPPORT CASTING** 1-2.01-97-0045 **VT-3** 4/17/97 Acceptable by Examination @ 50-31 * 100 % of the accessible area. Reference: RV-16-I FUEL SUPPORT CASTING * 00.0 1-2.01-97-0045 VT-3 4/11/97 Acceptable by Examination & CONTROL ROD GUIDE * 100 % of the accessible area. TUBE @ 10-15 Reference: RV-16-I 00.0 **FUEL SUPPORT CASTING** 1-2.01-97-0045 **VT-3** 4/11/97 Acceptable by Examination * 100 % of the accessible area. & CONTROL ROD GUIDE TUBE @ 10-23 Reference: RV-16-I **FUEL SUPPORT CASTING** 0.00 1-2.01-97-0045 **VT-3** Acceptable by Examination 4/11/97 & CONTROL ROD GUIDE * 100 % of the accessible area. TUBE @ 10-31 Reference: RV-16-I 0.00 **FUEL SUPPORT CASTING** 1-2.01-97-0045 VT-3 4/11/97 Acceptable by Examination & CONTROL ROD GUIDE * 100 % of the accessible area. TUBE @ 14-23 Reference: RV-16-I 00.0 **FUEL SUPPORT CASTING** 1-2.01-97-0045 4/11/97 **VT-3** Acceptable by Examination & CONTROL ROD GUIDE * 100 % of the accessible area. TUBE @ 14-31 Reference: RV-16-I **FUEL SUPPORT CASTING** ٠ 00.0 1-2.01-97-0045 VT-3 4/12/97 Acceptable by Examination & CONTROL ROD GUIDE * 100 % of the accessible area. TUBE @ 14-47 Reference: RV-16-I **FUEL SUPPORT CASTING** bo.o 1-2.01-97-0045 VT-3 4/11/97 Acceptable by Examination & CONTROL ROD GUIDE * 100 % of the accessible area. TUBE @ 18-15 Reference: RV-16-I



	1997	Outage Summary	Report - /			lons Page: 3 of 18
Sys	Exam Item	Data Sheet Number	Exam Type	% Comp	Exam Date	Comments
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 22-15	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 22-19	1-2.01-97-0045	VT - 3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 22-35	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 26-15	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 26-23	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 26-31	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 30-15	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 30-35	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 34-15	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 34-39	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 38-23	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 38-31	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 42-15	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 42-23	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 42-31	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 42-39	1-2.01-97-0045	VT-3	•	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	NI-IST-LK-101	1-2.01-97-0136	VT-2	100	4/30/97	Acceptable by Examination
00.0	RV-01-I	1-2.01-97-0045 1-2.01-97-0045	VT-1 VT-3	•	3/27/97 4/10/97	Acceptable by Examination * 100 % of the accessible area.
00.0	RV-02-I	1-2.01-97-0045	VT-3	•	4/10/97	Acceptable by Examination 100 % of the accessible area.
00.0	RV-13-I	1-2.01-97-0045	VT-3	•	3/27/97	Acceptable by Examination * 100 % of the accessible area.
00.0	RV-14-I	1-2.01-97-0045	VT-3	100	4/2/97	Acceptable by Evaluation
00.0	RV-15-I	1-2.01-97-0045	VT-3	100	4/2/97	Acceptable by Evaluation



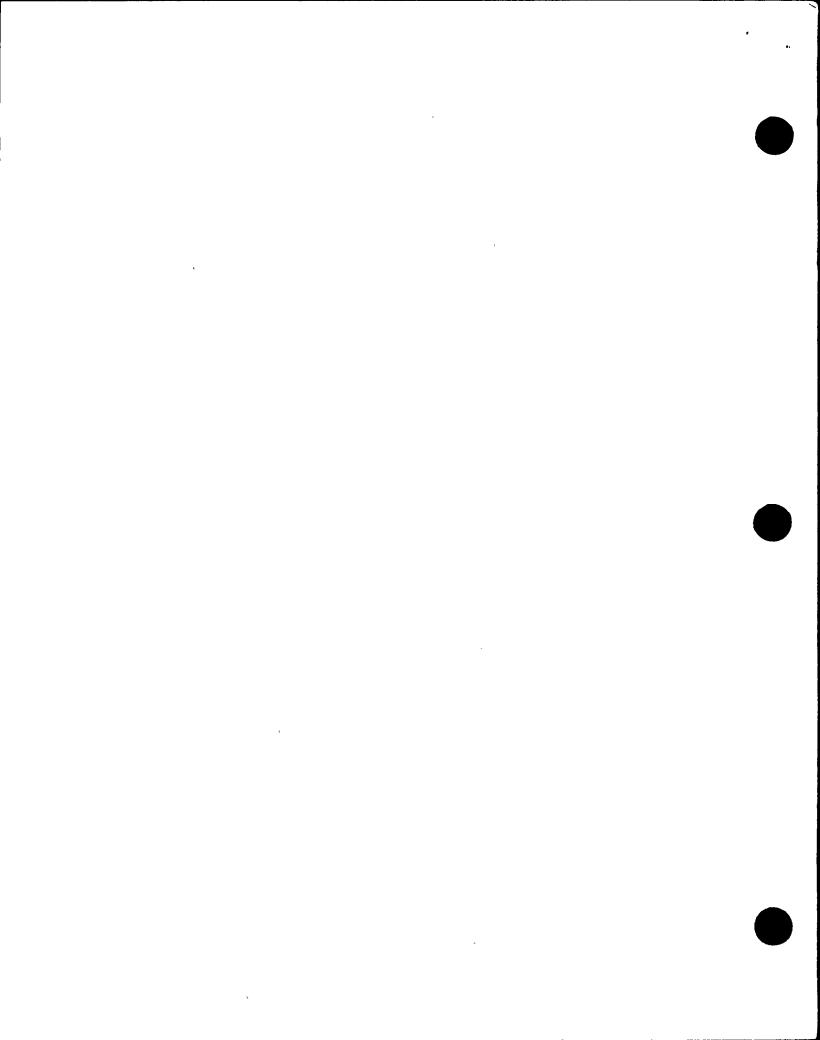
1997 Outage Summary Report - Abstract of Examinations Page: 4 of 18 **Data Sheet** % Exam Exam Sys Exam Item Number Comp. Comments Date Type 00.0 RV-16-I 1-2.01-97-0045 VT-1 3/31/97 Acceptable by Examination * 100 % of the accessible area. 00.0 RV-WD-001 (BC) 1-6.08-97-0008 UT-0 100 3/21/97 Acceptable by Examination 1-6.08-97-0009 **UT-45** 100 3/21/97 **UT-60** 1-6.08-97-0010 100 3/21/97 100 3/22/97 1-4.00-97-0092 MT RV-WD-001 (EF) UT-0 00.0 1-6.08-97-0002 100 3/21/97 Acceptable by Examination 1-6.08-97-0003 **UT-45** 100 3/21/97 **UT-60** 100 1-6.08-97-0004 3/21/97 1-4.00-97-0088 MT 100 3/22/97 RV-WD-001 (FG) UT-0 00.0 1-6.08-97-0011 100 3/21/97 Acceptable by Examination 1-6.08-97-0012 **UT-45** 100 3/21/97 1-6.08-97-0013 **UT-60** 100 3/21/97 1-4.00-97-0089 MT 100 3/22/97 0.00 RV-WD-001 (GH) 1-6.08-97-0005 UT-0 100 3/21/97 Acceptable by Examination 1-6.08-97-0006 UT-45 100 3/21/97 UT-60 1-6.08-97-0007 100 3/21/97 1-4.00-97-0090 MT 100 3/22/97 RV-WD-001 (HA) 00.0 1-6.08-97-0014 UT-0 100 3/21/97 Acceptable by Examination 1-6.08-97-0015 **UT-45** 100 3/21/97 UT-60 100. 3/21/97 1-6.08-97-0016 100 3/22/97 1-4.00-97-0091 MT 00.0 RV-WD-002 UT-0 100 3/24/97 Acceptable by Examination 1-6.08-97-0035 1-6.08-97-0036 **UT-45** 100 3/24/97 **UT-60** 100 3/24/97 1-6.08-97-0037 0.00 RV-WD-011 1-3.00-97-0146 PT 100 3/23/97 Acceptable by Examination **UT-60** 100 3/22/97 1-6.13-97-0026 1-6.13-97-0027 UT-30 100 3/22/97 1-6.13-97-0028 **UT-45** 100 3/22/97 **UT-45** 1-6.13-97-0029 100 3/22/97 RV-WD-013 00.0 1-3.00-97-0142 PT 100 3/23/97 Acceptable by Examination **UT-60** 100 1-6.13-97-0014 3/22/97 1-6.13-97-0015 UT-30 100 3/22/97 **UT-45** 100 1-6.13-97-0016 3/22/97 1-6.13-97-0017 **UT-45** 100 3/22/97 00.0 **RV-WD-015** PT 100 1-3.00-97-0149 3/23/97 Acceptable by Examination **UT-30** 100 1-6.13-97-0054 3/22/97 **UT-45** 1-6.13-97-0055 100 3/22/97 1-6.13-97-0056 **UT-45** 100 3/22/97 **UT-60** 100 3/22/97 1-6.13-97-0057 00.0 RV-WD-017 1-3.00-97-0150 PT 100 3/23/97 Acceptable by Examination 1-6.13-97-0058 **UT-45** 100 3/24/97 UT-30 1-6.13-97-0059 100 3/24/97 UT-45 3/24/97 1-6.13-97-0060 100 **UT-60** 3/24/97 1-6.13-97-0061 100 00.0 **RV-WD-019** PT 100 3/23/97 1-3.00-97-0151 Acceptable by Examination 1-6.13-97-0038 UT-30 100 3/22/97 1-6.13-97-0039 **UT-45** 100 3/22/97 **UT-45** 100 1-6.13-97-0040 3/22/97 1-6.13-97-0041 **UT-60** 100 3/22/97 00.0 RV-WD-021 1-3.00-97-0152 PT 100 3/23/97 Acceptable by Examination 1-6.13-97-0042 UT-30 100 3/22/97 **UT-45** 1-6.13-97-0043 100 3/22/97 **UT-45** 1-6.13-97-0044 100 3/22/97

1-6.13-97-0045

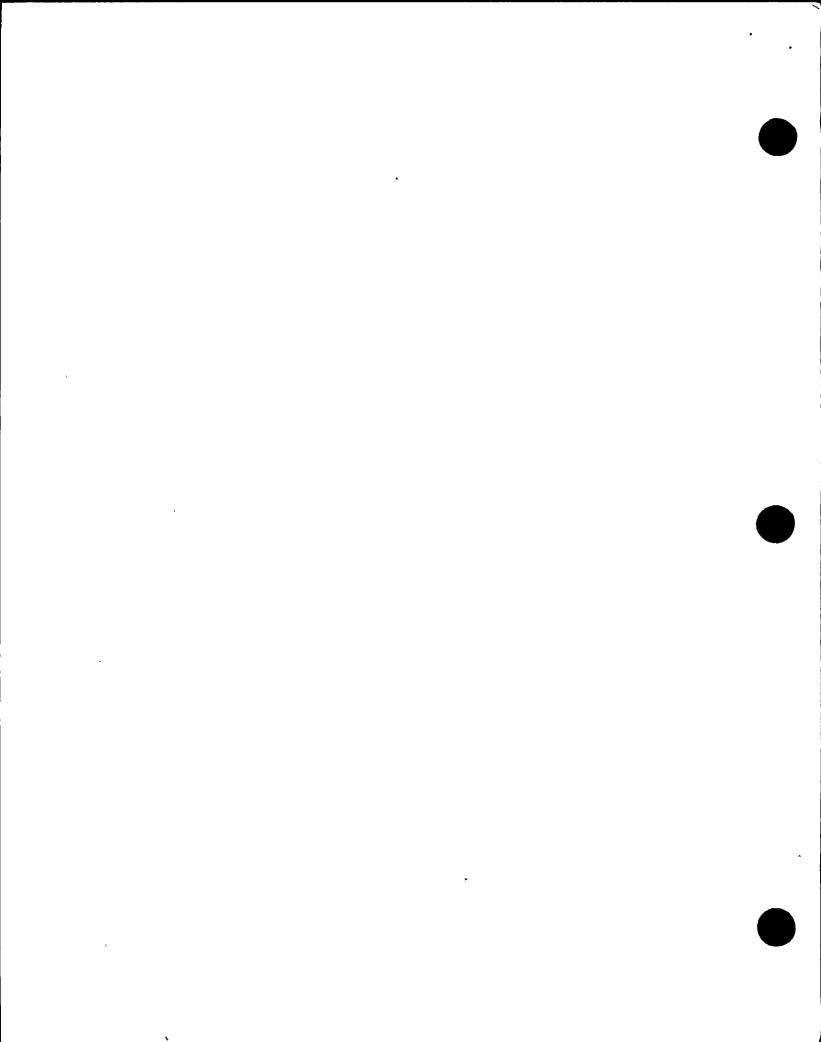
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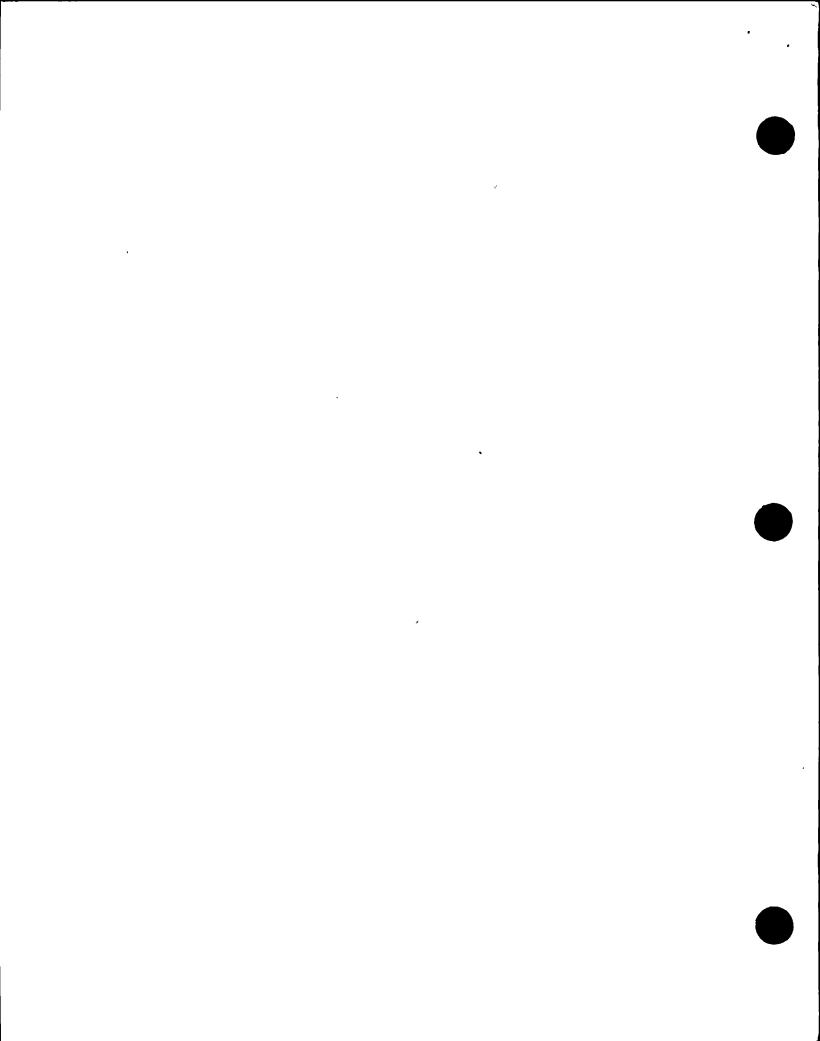
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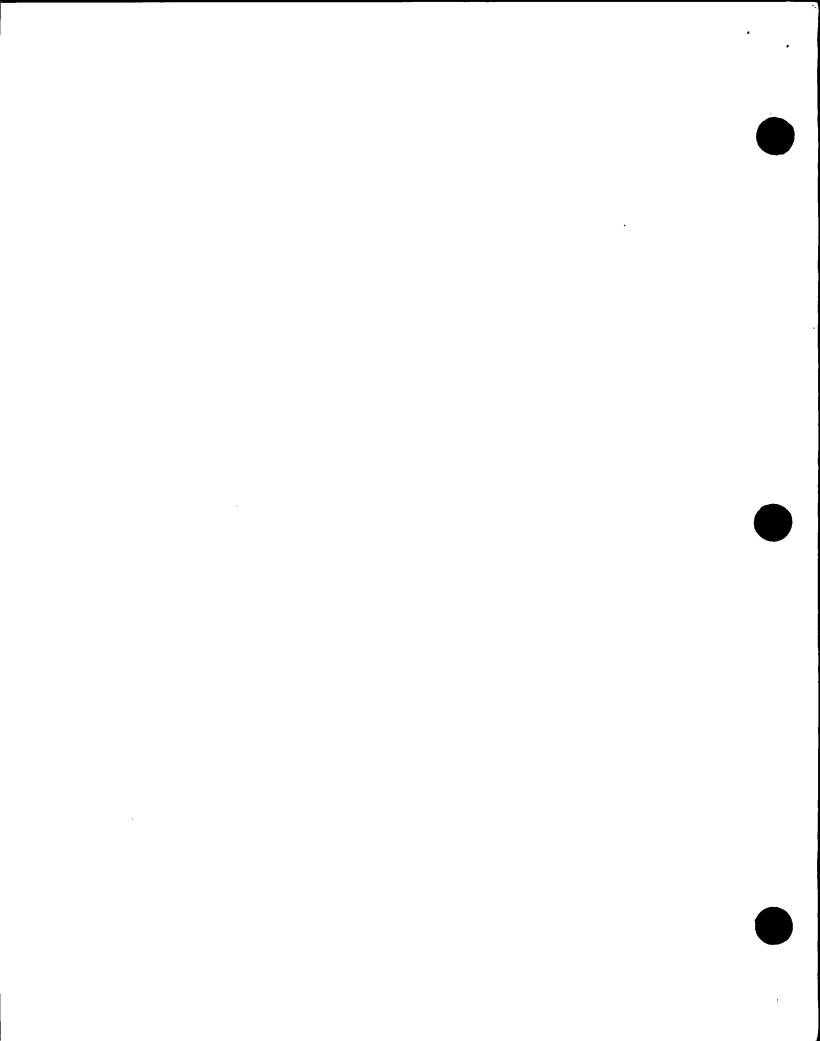
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) 55.5		1-6.13-97-0046	UT-30	100	3/22/97	7.000ptable by Enamination
		1-6.13-97-0047	UT-45	100	3/22/97	
		1-6.13-97-0048	UT-45	100	3/22/97	
		1-6.13-97-0049	UT-60	100	3/22/97	
00.0	RV-WD-024	1-6.08-97-0017	UT-0	•	3/24/97	Acceptable by Examination
		1-6.08-97-0018	UT-45	•	3/24/97	* 30% CRV achieved by averaging sum
		1-6.08-97-0019	UT-60	•	3/24/97	required scans.Relief Request Required
00.0	RV-WD-024-IR	1-6.07-97-0041	UT-70	100	3/15/97	Acceptable by Examination
		1-6.07-97-0042	UT-45	100	3/15/97	•
		1-6.07-97-0043	UT-45	100	3/17/97	
		1-6.07-97-0044	UT-45	100	3/17/97	
00.0	RV-WD-025	1-3.00-97-0154	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0050	UT-30	100	3/22/97	
		1-6.13-97-0051	UT-45	100	3/22/97	
		1-6.13-97-0052	UT-45	100	3/22/97	
		1-6.13-97-0053	UT-60	100	3/22/97	
00.0	RV-WD-026	1-6.08-97-0020	UT-0	•	3/24/97	Acceptable by Examination
		1-6.08-97-0021	UT-45	•	3/24/97	* 30% CRV achieved by averaging sum
		1-6.08-97-0022	UT-60	•	3/24/97	required scans.Relief Request Required
00.0	RV-WD-028	1-6.08-97-0023	UT-0	•	3/24/97	Acceptable by Examination
	***************************************	1-6.08-97-0024	UT-45	•	3/24/97	* 30% CRV achieved by averaging sum
		1-6.08-97-0025	UT-60	•	3/24/97	required scans.Relief Request Required
00.0	RV-WD-028-IR	1-6.07-97-0017	UT-45	100	3/15/97	Acceptable by Examination
00.0	114-115-020-111	1-6.07-97-0018	UT-70	100	3/15/97	* Acceptable by Examination
		1-6.07-97-0019	UT-45	100	3/17/97	
1		1-6.07-97-0020	UT-45	100	3/17/97	
00.0	RV-WD-030	1-6.08-97-0026	UT-0		3/24/97	Acceptable by Examination
00.0	117 115 000	1-6.08-97-0027	UT-45	•	3/24/97	* 30% CRV achieved by averaging sum
	•	1-6.08-97-0028	UT-60	•	3/24/97	required scans.Relief Request Required
00.0	RV-WD-030-IR	1-6,07-97-0016	UT-45	100	3/17/97	Acceptable by Examination
00.0	117-175 000 111	1-6.07-97-0013	UT-45	100	3/17/97	Acceptable by Examination
		1-6.07-97-0014	UT-45	100	3/15/97	
		1-6.07-97-0015	UT-70	100	3/15/97	
00.0	RV-WD-032	1-6.08-97-0029	UT-0	*	3/24/97	Acceptable by Examination
00.0	117 175 002	1-6.08-97-0030	UT-45	•	3/24/97	* 30% CRV achieved by averaging sum
		1-6.08-97-0031	UT-60	•	3/24/97	required scans.Relief Request Required
00.0	RV-WD-032-IR	1-6.07-97-0021	UT-45	100	3/17/97	Acceptable by Examination
00.0	117-110-002-111	1-6.07-97-0022	UT-45	100	3/17/97	Acceptable by Examination
		1-6.07-97-0023	UT-45	100	3/15/97	
	•	1-6.07-97-0024	UT-70	100	3/15/97	
0.00	RV-WD-033	1-3.00-97-0147	,PT	100	3/23/97	Acceptable by Examination
00.0	,	1-6.13-97-0030	UT-45	100	3/22/97	Acceptable by Examination
		1-6.13-97-0031	UT-45	100	3/22/97	
		1-6.13-97-0032	UT-30	100	3/22/97	
		1-6.13-97-0033	UT-60	100	3/22/97	
00.0	RV-WD-034-IR	1-6.07-97-0009	UT-45	100	3/15/97	Acceptable by Examination
		1-6.07-97-0010	UT-70	100	3/15/97	practice by mainimation
		1-6.07-97-0011	UT-45	100	3/17/97	
		1-6.07-97-0012	UT-45	100	3/17/97	
00.0	RV-WD-035	1-3.00-97-0145	PT	100	3/23/97	Acceptable by Examination
~ ~ . ~	115 000	1-6.13-97-0022	UT-60	100	3/22/97	
•		1-6.13-97-0023	UT-30	100	3/22/97	
l		1-6.13-97-0024	UT-45	100	3/22/97	
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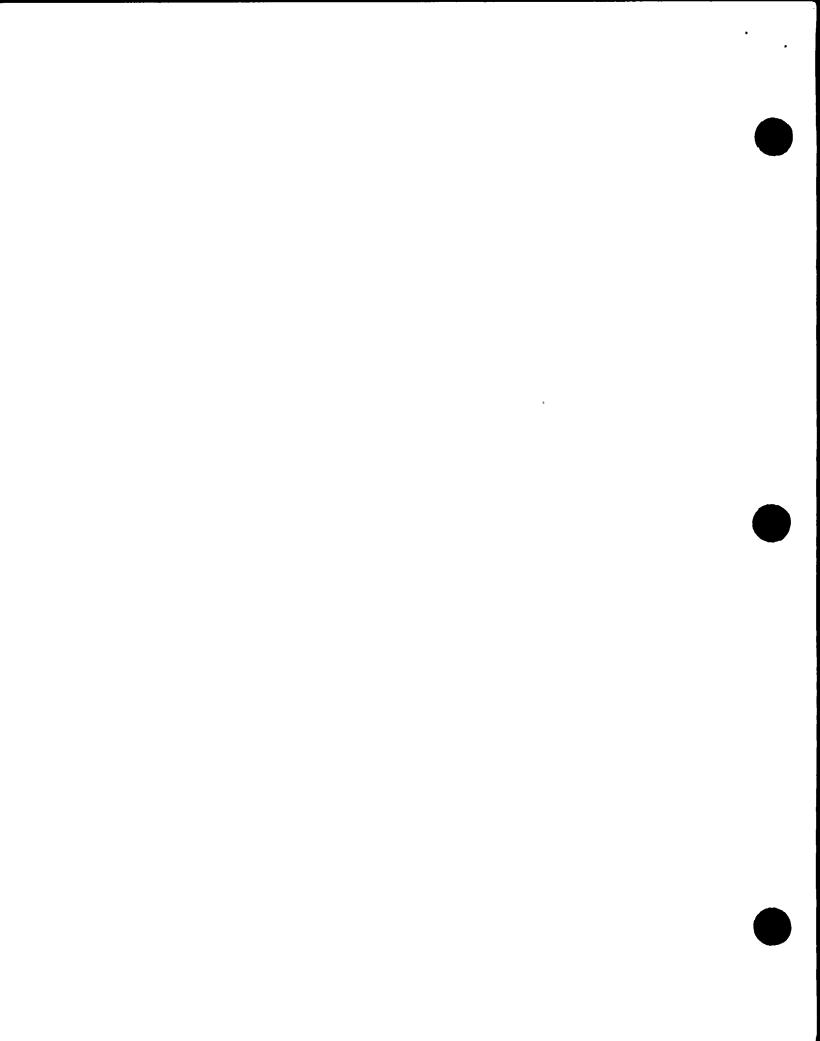
		Outage Summary	=			Page: 6 of 18
Sys	Exam Item	Data Sheet	Exam	%	Exam	_
00.0		Number	Type	Comp.	Date	Comments
00.0	RV-WD-036-IR	1-6.07-97-0033	UT-45	100	3/17/97	Acceptable by Examination
,		1-6.07-97-0034	UT-45	100	3/17/97	
		1-6.07-97-0035	UŢ-70	100	3/15/97	
		1-6.07-97-0036	UT-45	100	3/15/97	
0.00	RV-WD-037	1-3.00-97-0144	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0018	UT-45	100	3/22/97	
		1-6.13-97-0019	UT-30	100	3/22/97	
		1-6.13-97-0020	UT-60	100	3/22/97	
		1-6.13-97-0021	UT-45	100	3/22/97	
0.00	RV-WD-038-IR	1-6.07-97-0005	UT-45	100	3/17/97	Acceptable by Examination
		1-6.07-97-0007	UT-70	100	3/15/97	
		1-6.07-97-0008	UT-45	100	3/17/97	
		1-6.07-97-0006	UT-45	100	3/15/97	
0.00	RV-WD-039	1-3.00-97-0148	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0034	ÚT-60	100	3/22/97	•
		1-6.13-97-0035	UT-30	100	3/22/97	
		1-6.13-97-0036	UT-45	100	3/22/97	
		1-6.13-97-0037	UT-45	100	3/22/97	
00.0	RV-WD-040-IR	1-6.07-97-0045	UT-45	100 ^	3/17/97	Acceptable by Examination
00.0	111 115 010 111	1-6.07-97-0046	UT-45	100	3/15/97	nocopiasio sy ziamination
		1-6.07-97-0047	UT-70	100	3/15/97	
		1-6.07-97-0048	UT-45	100	3/17/97	
00.0	RV-WD-042-IR	1-6.07-97-0029	UT-45	100	3/15/97	Acceptable by Examination
00.0	NV-VVD-042-IN	1-6.07-97-0029	UT-70	100	3/15/97	Acceptable by Examination
		1-6.07-97-0031	UT-45	100	3/17/97	
		1-6.07-97-0032	UT-45	100	3/17/97	
200	011110 01110	· · · · · · · · · · · · · · · · · · · 				A
00.0	RV-WD-044-IR	1-6.07-97-0025	UT-45	100	3/15/97	Acceptable by Examination
/		1-6.07-97-0026	UT-70	100	3/15/97	
		1-6.07-97-0027	UT-45 UT-45	100 100	3/17/97	
	514115 656 15	1-6.07-97-0028			3/17/97	
00.0	RV-WD-356-ID	1-6.02-97-0002	UT-0	100	3/7/97	Acceptable by Examination
		1-6.02-97-0003	UT-45	100	3/7/97	
		1-6.02-97-0004 1-6.02-97-0005	UT-60 UT-45	100 100	3/7/97 3/11/97	
		1-6.02-97-0005	UT-0	100	3/11/97	
		1-6.02-97-0007	UT-60	100	3/11/97	
~	04 14011 00					A
01.0	01-MSH-23	1-2.01-96-0038	VT-3	100	4/2/96	Acceptable By Examination
01.0	01-WD-019	1-4.00-97-0058	MT	100	3/19/97	Acceptable by Examination
		1-6.02-97-0017	UT-45	100	3/19/97	
		1-6.02-97-0018	UT-0	100	3/19/97	
01.0	01-WD-046-A	1-4.00-97-0027	MT	100	3/11/97	Acceptable by Examination
		1-5.00-97-0003	RT	100	3/28/97	
01.0	01-WD-048-A	1-4.00-97-0028	MT	100	3/11/97	Acceptable by Examination
		1-5.00-97-0001	RT	100	3/21/97	•
01.0	01-WD-048-B	1-4.00-97-0026	MT	100	3/11/97	Acceptable by Examination
00	01 115 010 5	1-5.00-97-0002	RT	100	3/21/97	nooplasio by Examination
01.0	01-WD-050	1-4.00-97-0030	MT	100	3/11/97	Acceptable by Everinetian
01.0	01-1111-020	1-6.02-97-0030	UT-0			Acceptable by Examination
		1-6.02-97-0010	UT-45	100 100	3/11/97 3/11/97	
		1-6.02-97-0011	UT-0	N/A	3/11/97 3/11/97	
04.6	04 1170 071					A
01.0	01-WD-051	1-4.00-97-0029	MT	100	3/11/97	Acceptable by Examination
		1-6.02-97-0008	UT-0	100	3/11/97	
)		1-6.02-97-0009	UT-45	100	3/11/97	
<u> </u>		1-6.02-97-0015	<u>UT-0</u>	N/A	3/11/97	
01.0	01-WD-254	1-3.00-97-0030	PT	100	3/10/97	Acceptable by Examination
01.0	01-WD-453	1-3.00-97-0026	PT	100	3/8/97	Acceptable by Examination



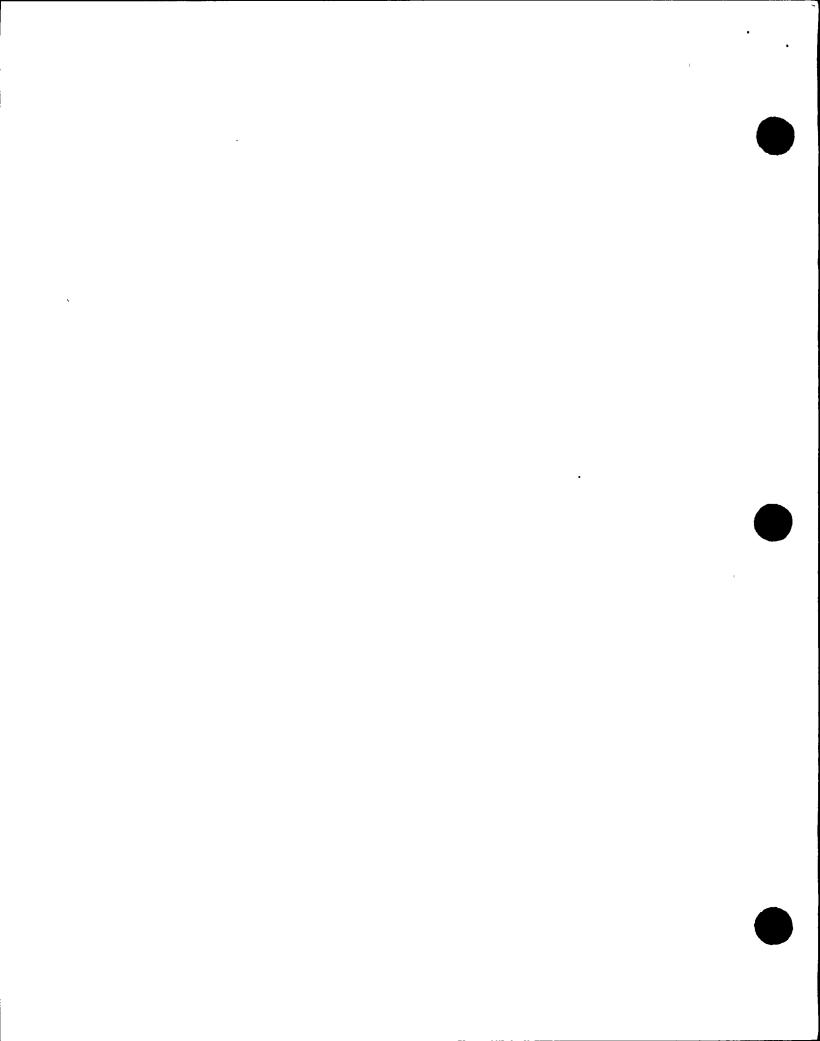
1997 Outage Summary Report - Abstract of Examinations Page: 7 of 18 **Data Sheet** % Exam Exam Sys Exam Item Number Comp. Date Comments Type **RPV SKIRT AND BOLTING** 01.0 1-2.01-97-0024 **VT-3** 100 3/7/97 Acceptable by Examination 31.0 31-H-10-WD-003 1-3.00-97-0130 PT 100 3/21/97 Acceptable by Examination 31.0 31-H-10-WD-004 1-3.00-97-0129 PT 100 3/21/97 Acceptable by Examination 31.0 31-H-5-WD-001 1-3.00-97-0050 PT 100 3/14/97 Acceptable by Examination 31.0 31-H-5-WD-002 PT 100 3/14/97 1-3.00-97-0051 Acceptable by Examination 31.0 31-H-5-WD-003 1-3.00-97-0053 PT 100 3/14/97 Acceptable by Examination 31.0 31-H-5-WD-004 PT 1-3.00-97-0052 100 3/14/97 Acceptable by Examination 31.0 31-H-6-WD-001 1-3.00-97-0035 PT 81.25 3/13/97 Acceptable by Examination Relief Request Required Ref. IER 88A-122 31.0 31-H5-A VT-3/4 100 4/3/96 1-2.01-96-0089 Acceptable By Examination 31.0 31-H5-B 1-2.01-96-0088 VT-3/4 100 4/3/96 Acceptable By Examination 31.0 31-H7-A VT-3/4 1-2.01-96-0090 100 4/3/96 Acceptable By Examination 31.0 31-H7-B 1-2.01-96-0091 VT-3/4 100 4/3/96 Acceptable By Examination 1-2.01-97-0062 31.0 31-HS-1 VT-3/4 100 3/13/97 Acceptable by Examination 31.0 31-WD-045 1-4.00-97-0032 MT 100 3/11/97 Acceptable by Examination 1-6.02-97-0012 UT-0 100 3/11/97 1-6.02-97-0013 UT-0 100 3/11/97 1-6.02-97-0014 **UT-45** 100 3/11/97 31.0 31-WD-055 1-4.00-97-0065 MT 100 3/20/97 Acceptable by Examination UT-0 1-6.02-97-0020 100 3/20/97 UT-45 1-6.02-97-0021 100 3/20/97 1-6.05-97-0022 UT-0 N/A 3/20/97 32.0 32-11-H1 1-2.01-96-0065 VT-3/4 100 4/2/96 Acceptable By Examination B2.0 32-11-H2 VT-3/4 1-2.01-96-0078 100 4/2/96 Acceptable By Examination 32.0 32-11-H4B VT-3/4 100 4/3/96 1-2.01-96-0096 Acceptable By Examination 32-11-H6 32.0 1-2.01-96-0081 VT-3/4 100 4/2/96 Acceptable by Evaluation 32.0 32-12-H1 VT-3/4 100 4/2/96 1-2.01-96-0066 Acceptable By Examination 32.0 32-12-H3A 1-2.01-96-0094 VT-3/4 100 4/3/96 Acceptable By Examination 32.0 32-12-H3B 1-2.01-96-0093 VT-3/4 100 4/3/96 Acceptable By Examination 32.0 32-12-H4-WD-001 1-3.00-97-0074 PT 100 3/17/97 Acceptable by Examination 32.0 32-12-H4-WD-002 1-3.00-97-0073 PT 100 3/17/97 Acceptable by Examination 32.0 32-12-H4-WD-003 PT 100 3/17/97 1-3.00-97-0066 Acceptable by Examination 32.0 32-12-H4-WD-004 PT 1-3.00-97-0067 100 3/17/97 Acceptable by Examination 32.0 VT-3/4 32-12-H5 100 4/3/96 1-2.01-96-0095 Acceptable By Examination 32.0 VT-3/4 32-12-H6 1-2.01-96-0082 100 4/2/96 Acceptable by Evaluation 32.0 32-15-H3-WD-001 1-3.00-97-0055 PT 100 3/15/97 Acceptable by Examination 32.0 32-15-H3-WD-002 PT 100 3/15/97 1-3.00-97-0054 Acceptable by Examination 32.0 32-15-H3-WD-003 1-3.00-97-0057 PT 100 3/15/97 Acceptable by Examination 32.0 32-15-H3-WD-004 1-3.00-97-0056 PT 100 3/15/97 Acceptable by Examination 32.0 32-188-PB 1-2.01-97-0111 VT-1 100 3/17/97 Acceptable by Examination 32.0 32-188-WD-007 1-3.00-97-0031 PT 100 3/10/97 Acceptable by Examination Relief Request Required for volumetric 32.0 32-189-WD-007 1-3.00-97-0025 PT 100 3/8/97 Acceptable by Examination Relief Request Required for volumetric 32.0 32-191-PB 1-2.01-97-0034 VT-1 100 3/8/97 Acceptable by Examination 32.0 32-381-WD-001 1-3.00-97-0132 PT 100 3/21/97 Acceptable by Examination 32.0 PT 32-381-WD-002 1-3.00-97-0133 100 3/21/97 Acceptable by Examination 32.0 PT 32-382-WD-002 100 3/17/97 1-3.00-97-0068 Acceptable by Examination 32.0 PT 100 3/13/97 32-384-WD-001 1-3.00-97-0046 Acceptable by Examination 32.0 32-384-WD-002 1-3.00-97-0047 PT 100 3/13/97 Acceptable by Examination



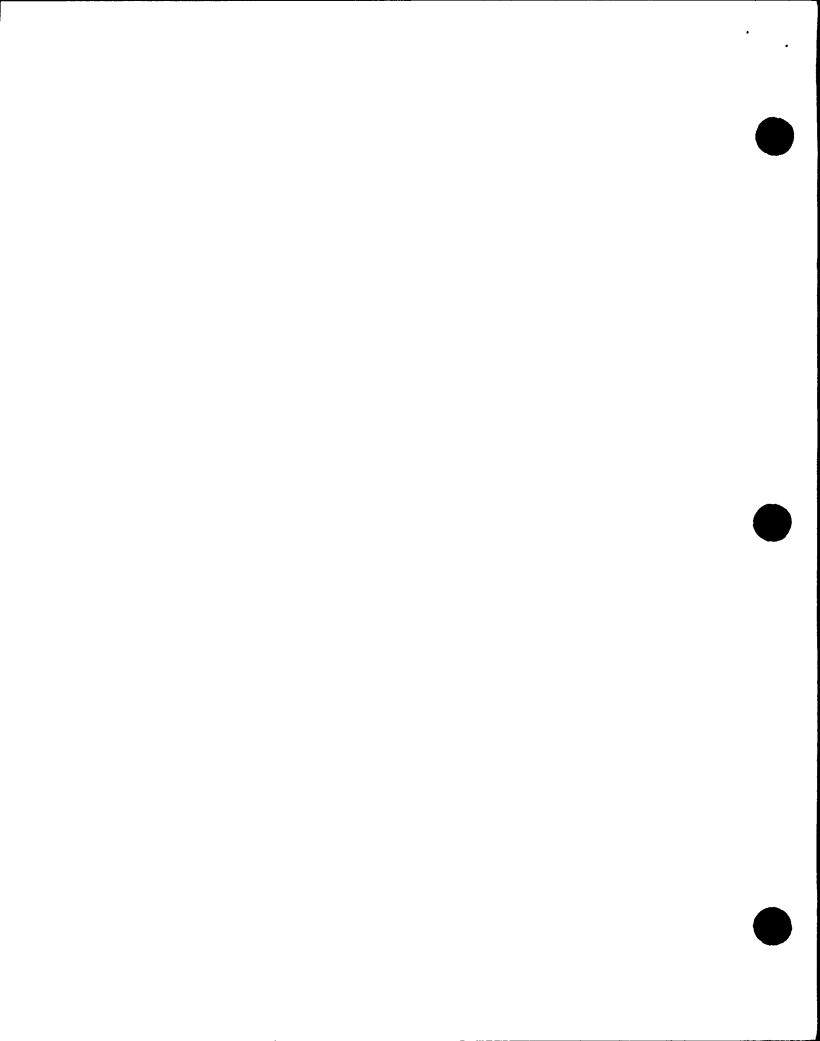
1997 Outage Summary Report - Abstract of Examinations Page: 8 of 18 Data Sheet % Exam Exam Sys Exam Item Number Comp. Date Comments Type 32.0 32-385-VB 1-2.01-97-0046 VT-1 3/10/97 Acceptable by Evaluation 100 32.0 32-386-VB 1-2.01-97-0115 VT-1 100 3/18/97 Acceptable by Examination 32.0 32-387-VB 1-2.01-97-0106 VT-1 100 3/15/97 Acceptable by Examination VT-1 32.0 32-389-VB 1-2.01-97-0105 100 3/15/97 Acceptable by Examination 32.0 32-MS-10 VT-3/4 1-2.01-96-0100 100 4/2/96 Acceptable by Evaluation 32.0 32-MS-11 1-2.01-96-0099 VT-3/4 100 4/2/96 Acceptable by Evaluation VT-3/4 32.0 32-MS-12 100 1-2.01-96-0068 4/2/96 Acceptable By Examination 32.0 32-MS-15 1-2.01-96-0067 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-16 VT-3/4 1-2.01-96-0101 100 4/2/96 Acceptable by Evaluation 32.0 32-MS-17 1-2.01-96-0069 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-21 1-2.01-96-0070 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-24 1-2.01-96-0071 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-25 1-2.01-96-0098 VT-3/4 100 4/3/96 Acceptable By Examination 32.0 32-MS-26 1-2.01-96-0097 VT-3/4 100 4/3/96 Acceptable By Examination 32.0 32-MS-28 VT-3/4 100 4/2/96 1-2.01-96-0072 Acceptable By Examination 32.0 32-MS-29 1-2.01-96-0073 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-32 1-2.01-96-0074 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-33 1-2.01-96-0075 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-35 1-2.01-96-0076 VT-3/4 100 4/2/96 Acceptable By Examination 32.0 32-MS-9 VT-3/4 100 4/2/96 1-2.01-96-0077 Acceptable By Examination 32.0 32-SB-2A 1-2.01-96-0083 VT-3 100 4/2/96 Acceptable By Examination 32.0 32-SB-2B VT-3/4 100 4/2/96 1-2.01-96-0080 Acceptable By Examination **32.0** 32-SB-3A 1-2.01-96-0079 **VT-3** 100 4/2/96 Acceptable By Examination 32.0 32-WD-009 PT 100 1-3.00-97-0162 3/24/97 Acceptable by Examination Expanded Sample.No Code Credit taken. 1-6.03-97-0238 **UT-45** 100 3/24/97 1-6.03-97-0239 **UT-60** 100 3/24/97 32-WD-011-FB 32.0 VT-1 100 3/5/97 1-2.01-97-0022 Acceptable by Examination 32.0 32-WD-048 PT 100 1-3.00-97-0160 3/25/97 Acceptable by Examination Expanded Sample.No Code Credit taken. 1-6.03-97-0252 **UT-45** 100 3/25/97 32.0 32-WD-049 PT 100 1-3.00-97-0096 3/18/97 Acceptable by Examination 1-6.03-97-0205 UT-60 100 3/18/97 1-6.03-97-0206 **UT-45** 100 3/18/97 32.0 32-WD-049-U 1-3.00-97-0107 PT 71 3/18/97 Acceptable by Examination 1-6.03-97-0204 **UT-45** 71 3/18/97 Relief Request Required 32.0 32-WD-050 PT 100 1-3.00-97-0108 3/18/97 Acceptable by Evaluation 1-6.03-97-0218 **UT-45** 100 3/18/97 **UT-60** 1-6.03-97-0219 100 3/18/97 1-6.03-97-0230 **UT-MULTI** N/A 3/22/97 1-6.06-97-0002 UT-77 N/A 3/22/97 1-6.06-97-0003 UT-45 N/A 3/22/97 **UT-MULTI** 1-6.06-97-0004 N/A 3/22/97 1-6.06-97-0005 UT-45 N/A 3/22/97 32.0 32-WD-050-D 1-3.00-97-0095 PT 100 3/18/97 Acceptable by Examination 1-6.03-97-0203 **UT-45** 100 3/18/97 32.0 32-WD-051 PT 1-3.00-97-0094 100 3/18/97 Acceptable by Examination 32.0 32-WD-052 1-3.00-97-0161 PT 100 3/25/97 Acceptable by Examination Expanded Sample.No Code Credit taken. 1-6.03-97-0253 **UT-45** 100 3/25/97 32.0 32-WD-053 PT 100 1-3.00-97-0029 3/10/97 Acceptable by Examination ხ2.0 32-WD-057 PT 1-3.00-97-0174 100 3/25/97 Acceptable by Examination 1-6.03-97-0259 **UT-45** 100 3/25/97 Expanded Sample.No Code Credit taken. **UT-60** 1-6.03-97-0260 100 3/25/97 32.0 32-WD-063 PT 1-3.00-97-0089 100 3/19/97 Acceptable by Examination



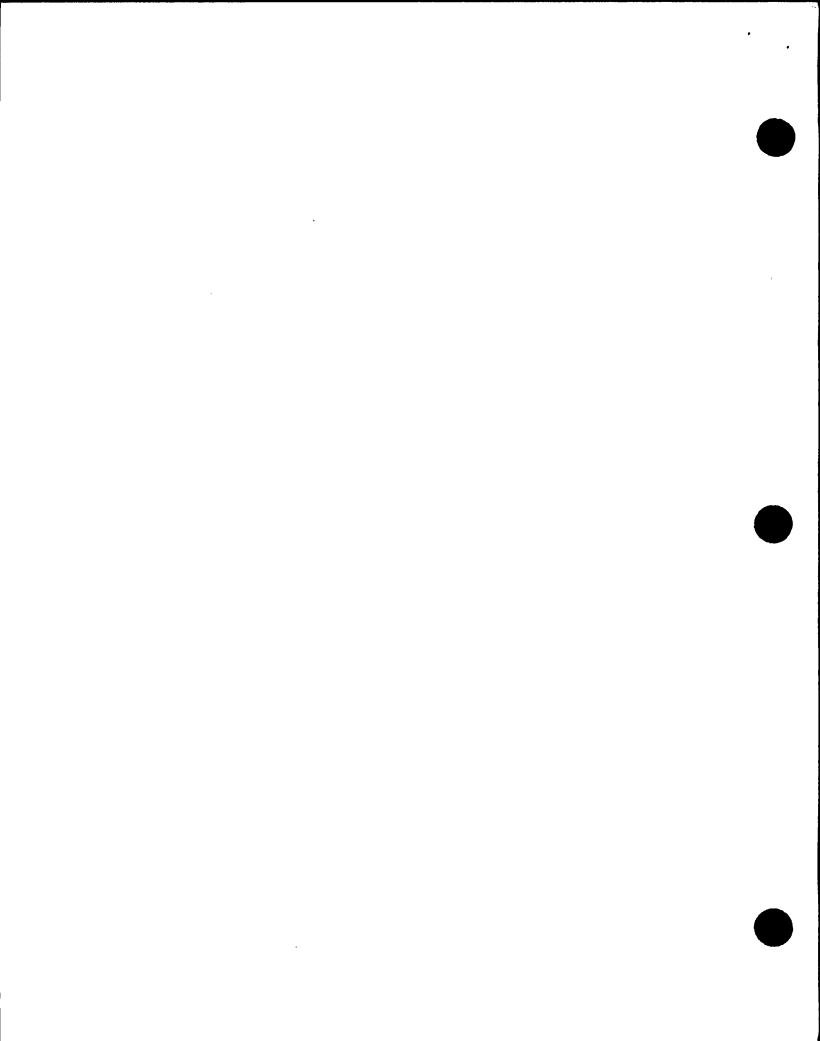
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Sys	Exam Item	Data Sheet Number	Exam		Exam Date	Comments
32.0	32-WD-074	1-3.00-97-0090	Type PT	<u>Comp.</u> 100	3/18/97	Acceptable by Examination
32.0	32-WD-075	1-3.00-96-0011	Pī	100	11/9/96	Acceptable by Examination
02.10	04 115 0,0	1-6.03-96-0009	UT-45	100	11/9/96	7000ptable by Examination
		1-6.03-96-0010	UT-60	100	11/9/96	
32.0	32-WD-075-D	1-3.00-96-0012	PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0008	UT-45	100	11/9/96	
32.0	32-WD-081	1-3.00-97-0028	PT	100	3/10/97	Acceptable by Examination
		1-6.03-97-0074	UT-45	100	3/10/97	•
		1-6.03-97-0075	UT-45	100	3/10/97	
32.0	32-WD-081-U	1-3.00-97-0032	PT	100	3/10/97	Acceptable by Examination
		1-6.03-97-0054	UT-45	100	3/10/97	
32.0	32-WD-089	1-3.00-97-0163	PT	100	3/24/97	Acceptable by Examination
		1-6.03-97-0240	UT-45	100	3/24/97	Expanded Sample.No Code Credit taken.
		1-6.03-97-0241	UT-60	100	3/24/97	
32.0	32-WD-090	1-3.00-97-0159	PT	100	3/25/97	Acceptable by Examination
		1-6.03-97-0255	UT-45	100	3/25/97	Expanded Sample.No Code Credit taken.
		1-6.03-97-0256	UT-60	100	3/25/97	
32.0	32-WD-091-FB	1-2.01-97-0040	VT-1	100	3/8/97	Acceptable by Examination
32.0	32-WD-097	1-3.00-97-0175	PT	100	3/25/97	Acceptable by Examination
		1-6.03-97-0257	UT-45	100	3/25/97	Expanded Sample.No Code Credit taken.
		1-6.03-97-0258	UT-60	100	3/25/97	
32.0	32-WD-102	1-3.00-97-0170	PT	100	3/26/97	Acceptable by Examination
		1-6.03-97-0261	UT-45	100	3/26/97	Expanded Sample.No Code Credit taken.
		1-6.03-97-0262	UT-60	100	3/26/97	
32.0	32-WD-104	1-3.00-97-0069	PT	100	3/17/97	Acceptable by Examination
32.0	32-WD-106	1-3.00-97-0070	PT	100	3/17/97	Acceptable by Examination
32.0	32-WD-111	1-3.00-97-0071	PT	100	3/17/97	Acceptable by Examination
32.0	32-WD-114	1-3.00-97-0072	PT	100	3/17/97	Acceptable by Examination
32.0	32-WD-115	1-3.00-97-0171	PT	100	3/26/97	Acceptable by Examination
		1-6.03-97-0263	UT-45	100	3/26/97	Expanded Sample.No Code Credit taken.
		1-6.03-97-0264	UT-60	100	3/26/97	
32.0	32-WD-168	1-3.00-97-0016	PT	100	3/7/97	Acceptable by Examination
		1-6.03-97-0021	UT-45	100	3/7/97	
		1-6.03-97-0022	UT-45	100	3/7/97	
32.0	32-WD-168-D1	1-3.00-97-0018	PT	100	3/7/97	Acceptable by Examination
		1-6.03-97-0024	UT-45	100	3/7/97	
32.0	32-WD-168-D2	1-3.00-97-0017	PT	100	3/7/97	Acceptable by Examination
		1-6.03-97-0023	UT-45	100	3/7/97	
32.0	32-WD-171BR	1-3.00-97-0023	PT	100	3/7/97	Acceptable by Examination
		1-6.03-97-0033 1-6.03-97-0034	UT-45 UT-60	76.5 76.5	3/7/97 3/7/97	Relief Request Required
	00 WD 470					Assertable by Francischion
32.0	32-WD-172	1-3.00-97-0019 1-6.03-97-0026	PT UT-45	100 100	3/7/97 3/7/97	Acceptable by Examination
		1-6.03-97-0027	UT-45	100	3/7/97	
	U .	1-6.03-97-0028	UT-60	100	3/7/97	1
32.0	32-WD-172-D	1-3.00-97-0021	PT	100	3/7/97	Acceptable by Examination
		1-6.03-97-0030	UT-45	100	3/7/97	The state of the s
32.0	32-WD-172-U	1-3.00-97-0020	PT	100	3/7/97	Acceptable by Examination
	-	1-6.03-97-0029	UT-45	100	3/7/97	-p
32.0	32-WD-174	1-3.00-96-0013	PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0018	UT-45	100	11/10/96	•
		1-6.03-96-0019	UT-60	100	11/10/96	
32.0	32-WD-174-D	1-3.00-96-0014	PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0020	UT-45	100	11/9/96	



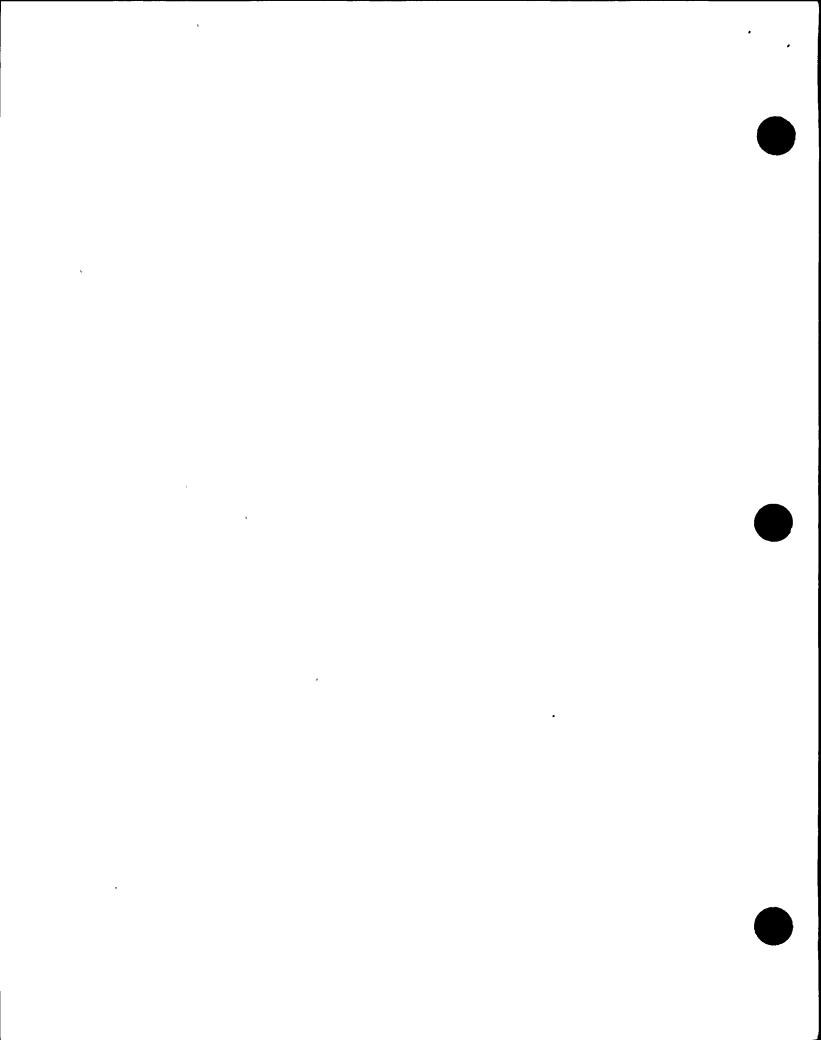
	1997	Outage Summary				lons Page: 10 of 18
Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
32.0	32-WD-181	1-3.00-96-0015	PT	100	11/9/96	Acceptable by Examination
02.0	02 11D 101	1-6.03-96-0021	UT-45	100	11/10/96	Acceptable by Examination
,		1-6.03-96-0025	UT-60	100	11/10/96	
32.0	32-WD-181-D1	1-3.00-96-0016	PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0022	UT-45	100	11/10/96	, , , , , , , , , , , , , , , , , , ,
32.0	32-WD-181-D2	1-3.00-96-0017	, PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0023	UT-45	100	11/10/96	
32.0	32-WD-184-FB	1-2.01-97-0047	VT-1	100	3/10/97	Acceptable by Examination
32.0	32-WD-186	1-3.00-96-0018	·PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0012	UT-45	100	11/10/96	•
		1-6.03-96-0014	UT-60	100	11/10/96	
32.0	32-WD-186-U	1-3.00-96-0019	PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0024	UT-45	100	11/10/96	
32.0	32-WD-187	1-3.00-97-0043	PT	100	3/13/97	Acceptable by Examination
32.0	32-WD-193	1-3.00-97-0044	PT	100	3/13/97	Acceptable by Examination
32.0	32-WD-194	1-3.00-97-0045	PT	100	3/13/97	Acceptable by Examination
32.0	32-WD-195	1-3.00-97-0040	PT	100	3/13/97	Acceptable by Examination
32.0	32-WD-207	1-3.00-97-0033	PT	100	3/10/97	Acceptable by Examination
		1-6.03-97-0051	UT-45	100	3/10/97	•
		1-6.03-97-0052	UT-45	100	3/10/97	
32.0	32-WD-207-U	1-3.00-97-0027	PT	100	3/10/97	Acceptable by Examination
		1-6.03-97-0050	UT-45	100	3/10/97	
33.0	33-HS-4-WD-001	1-4.00-97-0054	MT	50	3/18/97	Acceptable by Examination Relief Request Required
33.0	33-HS-4-WD-003	1-4.00-97-0055	MT	100	3/18/97	Acceptable by Examination
33.0	33-WD-002	1-3.00-97-0076	PT	100	3/17/97	Acceptable by Examination
		1-6.03-97-0210	UT-60	96.7	3/17/97	•
		1-6.03-97-0211	UT-45	96.7	3/17/97	
33.0	33-WD-003	1-3.00-97-0075	PT	100	3/17/97	Acceptable by Examination
		1-6.03-97-0214	UT-45	94.5	3/17/97	
		1-6.03-97-0215	UT-60	94.5	3/17/97	-
33.0	33-WD-047	1-3.00-97-0079	PT	100	3/17/97	Acceptable by Examination
		1-6.03-97-0216	UT-45	100	3/17/97	* Supplemental *L* wave
		1-6.03-97-0217	UT-60		3/17/97	
33.0	33-WD-048	1-3.00-97-0080	PT UT 45	100	3/17/97	Acceptable by Examination
		1-6.03-97-0212 1-6.03-97-0213	UT-45	98 •	3/17/97 3/17/97	* Supplemental "L" wave
33.0	22.14/0.054	***********	UT-60 m			Acceptable by Francis-11-
33.0	33-WD-054	1-3.00-97-0155 1-6.02-97-0032	PT UT-60	42.8 47.6	3/21/97 3/21/97	Acceptable by Examination Relief Request Required
		1-6.02-97-0033	UT-0	47.6	3/21/97	Transi Fraquest Fraquica
		1-6.02-97-0034		47.6	3/21/97	
		1-6.02-97-0035	UT-45 UT-45	47.6	3/21/97	
33.0	33-WD-055	1-3.00-97-0157	PT	50	3/21/97	Acceptable by Examination
		1-6.02-97-0024	UT-0	60	3/21/97	Relief Request Required
		1-6.02-97-0025	UT-45	60	3/21/97	
		1-6.02-97-0026	UT-45	60	3/21/97	
		1-6.02-97-0027	UT-60	60	3/21/97	
33.0	33-WD-056	1-3.00-97-0078	PT	100	3/17/97	Acceptable by Examination
		1-6.02-97-0022	UT-0	100	3/20/97	
		1-6.02-97-0023	UT-45	100	3/20/97	
.		1-6.05-97-0023	UT-0	100	3/20/97	



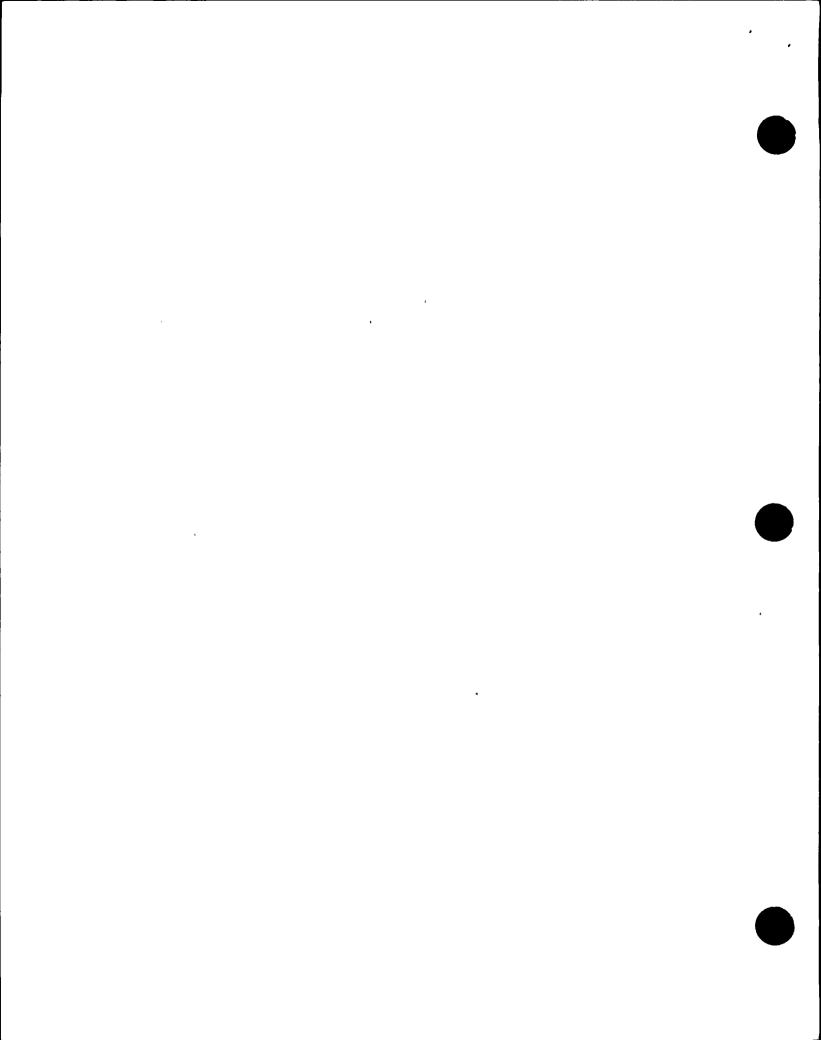
	1997	Outage Summary	-			lions Page: 11 of 18
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33.0	33-WD-061	1-3.00-97-0156	PT	50	3/21/97	Acceptable by Examination
		1-6.02-97-0028	UT-0	50.4	3/21/97	Relief Request Required
•		1-6.02-97-0029	UT-45	50.4	3/21/97	
		1-6.02-97-0030	UT-45	50.4	3/21/97	
33.0/33.2	33-H34	1-6.02-97-0031	UT-60	50.4	3/21/97	Acceptable Du Funcionalis
33.0/33.2	33·H35	1-2.01-96-0037 1-2.01-96-0040	VT-3/4 VT-3/4	100	4/2/96	Acceptable By Examination
33.0/33.2	33-HS-1				4/2/96	Acceptable By Examination
33.0/33.2	33.2-4-R1	1-2.01-97-0116	VT-3/4	100	3/18/97	Acceptable by Examination
33.0/33.2	33.2-4-R2	1-2.01-96-0032 1-2.01-96-0033	VT-3 VT-3	100	4/2/96	Acceptable By Examination
33.0/33.2				100	4/2/96	Acceptable By Examination
	33.2-6-A1	1-2.01-96-0036	VT-3	100	4/2/96	Acceptable By Examination
33.0/33.2	33.2-6-R3	1-2.01-96-0034	VT-3	100	4/2/96	Acceptable By Examination
33.0/33.2	33.2-6-R4	1-2.01-96-0035	VT-3	100	4/2/96	Acceptable By Examination
33.0/33.2	33.2-6-R5	1-2.01-96-0041	VT-3	100	4/2/96	Acceptable By Examination
33.2/33.3	33-H2	1-2.01-96-0039	VT-3/4	100	4/2/96	Acceptable By Examination
33.2/33.3	33-HS-3	1-2.01-97-0117	VT-3/4	100	3/18/97	Acceptable by Examination
36.0	36-HS-4	1-2.01-97-0108	VT-3/4	100	3/15/97	Acceptable by Examination
36.0	36-HS-5	1-2.01-97-0063	VT-3/4	100	3/13/97	Acceptable by Examination
36.0	36-R12-A	1-2.01-96-0087	VT-3/4	100	4/3/96	Acceptable By Examination
36.0	36-R12-B	1-2.01-96-0086	VT-3/4	100	4/3/96	Acceptable By Examination
37.0	37-WD-002	1-3.00-97-0134	PT	100	3/20/97	Acceptable by Examination
		1-6.13-97-0006	UT-30	100	3/20/97	•
		1-6.13-97-0007 1-6.13-97-0008	UT-45 UT-45	100 100	3/20/97 3/20/97	
		1-6.13-97-0009	UT-60	100	3/20/97	
37.1	37-SC-1	1-2.01-97-0038	VT-3	100	3/8/97	Acceptable by Examination
37.1	37-SC-2	1-2.01-96-0043	VT-3	100	4/2/96	Acceptable By Examination
37.1	37-SC-4	1-2.01-97-0039	VT-3	100	3/8/97	Acceptable by Examination
38.0	38-01-VB	1-2.01-97-0048	VT-1	100	3/10/97	Acceptable by Examination
38.0	38-12-NBW	1-2.01-96-0301	VT-1	100	6/10/96	Acceptable by Examination
38.0	38-A1	1-2.01-96-0303	VT-3	100	6/11/96	Acceptable by Examination
38.0	38-A2	1-2.01-96-0304	VT-3	100	6/11/96	Acceptable by Evaluation
38.0	38-H2	1-2.01-96-0085	VT-3/4	100	4/3/96	Acceptable By Examination
38.0	38-HS-3	1-2.01-97-0119	VT-3/4	100	3/18/97	Acceptable by Examination
39.0	39-H-22-WD-001	1-3.00-97-0117	PT	100	3/20/97	Acceptable by Examination
39.0	39-H-22-WD-004	1-3.00-97-0116	PT	100	3/20/97	Acceptable by Examination
39.0	39-H-22-WD-007	1-3.00-97-0118	PT	100	3/20/97	Acceptable by Examination
39.0	39-H-22-WD-010	1-3.00-97-0115	PT	100	3/20/97	Acceptable by Examination
39.0	39-H16	1-2.01-97-0114	VT-3/4	100	3/18/97	Acceptable by Evaluation
		1-2.01-97-0123	VT-3	100	3/26/97	
39.0	39-HS-06	1-2.01-97-0004	VT-3/4	100	1/15/97	Acceptable by Examination
39.0	39-HS-08	1-2.01-97-0005	VT-3/4	100	1/16/97	Acceptable by Examination
39.0	39-HS-11	1-2.01-97-0120	VT-3/4	100	3/19/97	Acceptable by Examination
39.0	39-HS-2	1-2.01-97-0002	VT-3/4	100	1/13/97	Acceptable by Examination
39.0	39-WD-016	1-3.00-97-0167	PT		3/25/97	Acceptable by Examination
		1-6.03-97-0254	UT-45	100	3/25/97	-
39.0	39-WD-016-D	1-3.00-97-0166	PT	100	3/25/97	Acceptable by Examination
-		1-6.03-97-0251	UT-45	100	3/25/97	
39.0	39-WD-016-U	1-3.00-97-0165	PT	100	3/25/97	Acceptable by Examination



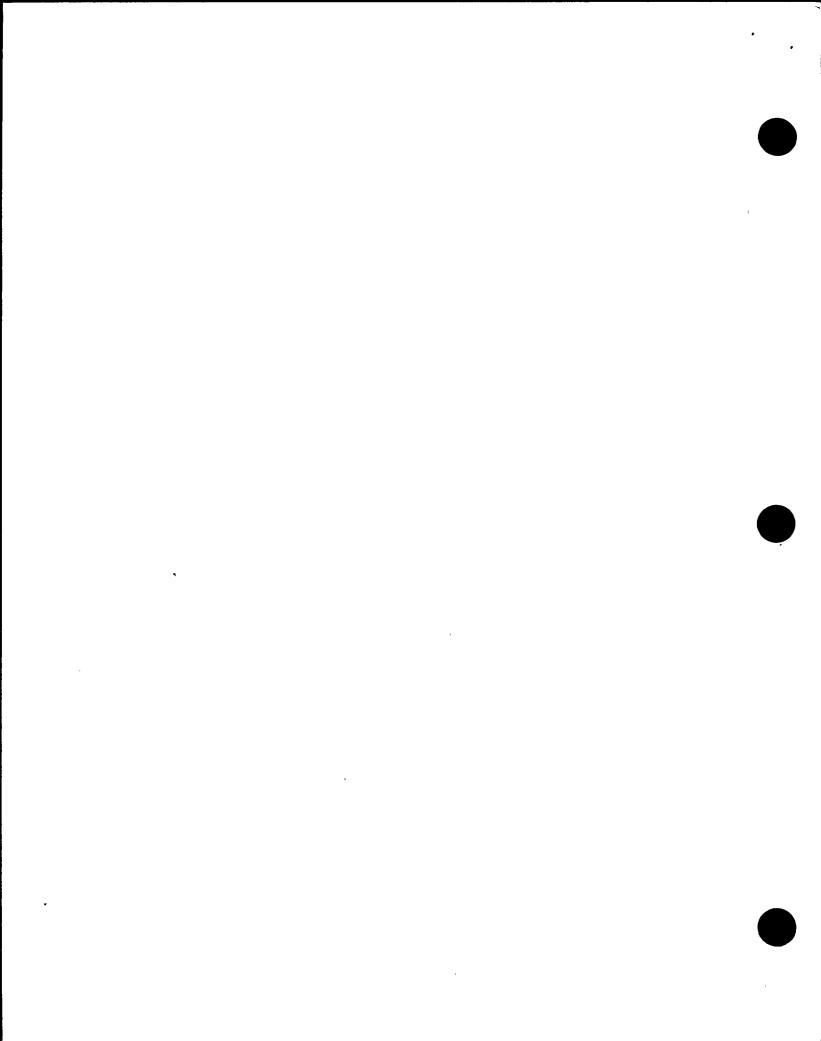
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·		Number	Type	Comp.	Date	Comments
39.0	39-WD-017	1-3.00-97-0120	PT 45	100 100	3/20/97 3/20/97	Acceptable by Examination
		1-6.03-97-0220 1-6.03-97-0221	UT-45 UT-60	100	3/20/97	
39.0	39-WD-017-D	1-3.00-97-0121	PT	100	3/20/97	Acceptable by Examination
03.0	09-110-017-0	1-6.03-97-0225	UT-45	100	3/20/97	Acceptable by Examination
39.0	39-WD-017-U	1-3.00-97-0122	PT	100	3/20/97	Acceptable by Examination
00.0	00-110-017-0	1-6.03-97-0226	UT-45	100	3/20/97	7.000ptable by Examination
39.0	39-WD-020	1-3.00-97-0119	PT	100	3/20/97	Acceptable by Examination
00.0	00 112 020	1-6.03-97-0222	UT-45	100	3/20/97	, 1000ptubio by Litanianania
39.0	39-WD-020-D	1-3.00-97-0124	PT	100	3/20/97	Acceptable by Examination
		1-6.03-97-0223	UT-45	100	3/20/97	
39.0	39-WD-020-U	1-3.00-97-0123	PT	100	3/20/97	Acceptable by Examination
		1-6.03-97-0224	UT-45	100	3/20/97	
39.0	39-WD-037-U	1-3.00-97-0058	PT	100	3/15/97	Acceptable by Examination
39.0	39-WD-038-U	1-3.00-97-0059	PT	100	3/15/97	Acceptable by Examination
		1-6.03-97-0156	UT-45	100	3/15/97	
39.0	39-WD-100	1-6.03-97-0233	UT-45	100	3/22/97	Acceptable by Examination
						Credit for volumetric exam only @ RF0
						Surface exam to be performed @ RF01
39.0	39-WD-102-D	1-3.00-97-0164	PT	100	3/22/97	Acceptable by Examination
		1-6.03-97-0242	UT-0	100	3/25/97	
00.0	00 MD 440 D	1-6.03-97-0243	UT-45	100	3/22/97	Assemble by Francisco
39.0	39-WD-112-D	1-3.00-97-0141 1-6.03-97-0231	PT UT-0	100 100	3/15/97 3/15/97	Acceptable by Examination
		1-6.03-97-0232	UT-45	100	3/15/97	
39.0	39-WD-113-U	. 1-3.00-97-0064	PT	100	3/15/97	Acceptable by Examination
300.0	00 110 0	1-6.03-97-0157	UT-45	100	3/15/97	71000ptable by Examination
40.0	40-H-21-A-WD-001	1-3.00-97-0036	PT	100	3/13/97	Acceptable by Examination
40.0	40-H-21-A-WD-004	1-3.00-97-0038	PT	100	3/14/97	Acceptable by Examination
40.0	40-H-21-A-WD-007	1-3.00-97-0037	PT	100	3/13/97	Acceptable by Examination
40.0	40-H-21-A-WD-010	1-3.00-97-0039	PT	100	3/13/97	Acceptable by Examination
40.0	40-H53	1-2.01-96-0092	VT-3/4	100	4/3/96	Acceptable By Examination
40.0	40-HS-2	1-2.01-97-0037	VT-3/4	100	3/8/97	Acceptable by Examination
40.0	40-HS-6	1-2.01-97-0107	VT-3/4	100	3/15/97	Acceptable by Examination
40.0	40-HS-7	1-2.01-97-0036	VT-3/4	100	3/8/97	Acceptable by Examination
	•		VT-3/4			
40.0	40-HS-9	1-2.01-97-0035		100	3/8/97	Acceptable by Examination
40.0	40-MS-12	1-2.01-96-0042	VT-3/4	100	4/2/96	Acceptable By Examination
40.0	40-W <u>D</u> -050	1-3.00-97-0022	PT	50	3/8/97	Acceptable by Examination Relief Request Required Ref. IER 88A-090
40.0	40-WD-075	1-6.03-97-0094	UT-45	100	3/13/97	Acceptable by Examination
		1-6.03-97-0095	UT-45	100	3/13/97	•
		1-6.03-97-0096	UT-60	100	3/13/97	
		2819-88A-95	PT	100	2/4/88	
40.0	40-WD-075-D	1-3.00-97-0041	PT	100	3/13/97	Acceptable by Examination
		1-6.03-97-0097	UT-45	100	3/13/97	
40.0	40 1470 077 11	1-6.03-97-0098	UT-45	100	3/13/97	Apparatable to the second of
40.0	40-WD-075-U	1-3.00-97-0042 1-6.03-97-0099	PT UT-45	94 94	3/13/97 3/13/97	Acceptable by Examination
	1-6.03-97-0100 UT-45 94	94 94	3/13/97 3/13/97			
40.0	40-WD-077	1-6.03-97-0112	UT-45	100	3/13/97	Acceptable by Examination
40.0						- Isospianio by Examination
		1-6.03-97-0118	UT-45	100	3/13/97	



1997 Outage Summary Report - Abstract of Examinations Page: 13 of 18 Data Sheet % Exam Exam Sys Exam Item Number Comments Comp. Date Type 40-WD-079 40.0 1-3.00-96-0009 PT 100 11/8/96 Acceptable by Examination 1-6.03-96-0004 **UT-45** 100 11/7/96 40.0 40-WD-079A 1-3.00-96-0010 PT 100 11/8/96 Acceptable by Examination 11/8/96 1-6.03-96-0005 **UT-45** 100 40.0 40-WD-080 1-6.13-96-0002 UT-45 100 11/8/96 Acceptable by Examination **UT-60** 100 11/8/96 1-6.13-96-0003 **UT-45** 100 11/8/96 1-6.13-96-0004 **UT-45** 1-6.13-96-0005 100 11/8/96 2819-88A-117 PT 100 2/9/88 42.1 42.1-R2-A 1-2.01-96-0046 **VT-3** 100 4/2/96 Acceptable By Examination 42.1 42,1-R2-B 1-2.01-96-0045 **VT-3** 100 4/2/96 Acceptable By Examination 42.1 42.1-R3-A 1-2.01-96-0047 VT-3 100 4/2/96 Acceptable By Examination 42.1 42.1-R3-B **VT-3** 100 4/2/96 1-2.01-96-0048 Acceptable By Examination 42.1 42.1-WD-005 PT 1-3.00-97-0114 100 3/21/97 Acceptable by Examination 42.1 **X-131 PENET.** 1-2.01-97-0016 **VT-3** 100 3/4/97 Acceptable by Examination 44.1 44.1-H3 1-2.01-97-0061 VT-3/4 100 3/13/97 Acceptable by Examination 44.1 44.1-SC-2 1-2.01-96-0044 **VT-3** 100 4/2/96 Acceptable By Examination 44.1 44.1-WD-005 1-3.00-97-0127 PT 100 3/21/97 Acceptable by Examination 44.1 VT-2 100 5A 1-2.01-95-0286 6/15/95 Acceptable by Examination X-174 PENET. 44.1 1-2.01-97-0060 **VT-3** 100 3/13/97 Acceptable by Examination 54.0 54-R1-L 1-2.01-96-0242 **VT-3** 100 5/13/96 Acceptable by Examination 54-R1-M 1-2.01-96-0251 VT-3 100 5/13/96 54.0 Acceptable by Examination 54.0 54-R1-N **VT-3** 100 1-2.01-96-0252 5/13/96 Acceptable by Examination 54.0 54-R1-Q **VT-3** 100 1-2.01-96-0255 5/13/96 Acceptable by Examination 54.0 **VT-3** 100 54-R11-A 1-2.01-96-0246 5/13/96 Acceptable by Examination 54.0 54-R11-B 1-2.01-96-0249 **VT-3** 100 5/13/96 Acceptable by Examination 54.0 54-R11-C 1-2.01-96-0245 **VT-3** 100 5/13/96 Acceptable by Examination 54.0 54-R11-D 1-2.01-96-0248 VT-3 100 5/13/96 Acceptable by Examination 54.0 1-2.01-97-0020 **VT-3** 54-R15-A 100 3/5/97 Acceptable by Examination 54.0 **VT-3** 100 54-R15-B 1-2.01-97-0014 3/4/97 Acceptable by Examination **VT-3** 10Ò 54.0 54-R20-AC 1-2.01-96-0257 5/13/96 Acceptable by Examination 54.0 54-R21-A 1-2.01-97-0018 **VT-3** 100 3/5/97 Acceptable by Examination 54.0 54-R21-B 1-2.01-97-0013 **VT-3** 100 3/4/97 Acceptable by Examination 54.0 54-R8-C 1-2.01-96-0256 **VT-3** 100 5/13/96 Acceptable by Examination 54.0 54-R8-D 1-2.01-96-0277 **VT-3** 100 5/13/96 Acceptable by Examination 54.0 54-R8-E **VT-3** 100 5/13/96 1-2.01-96-0276 Acceptable by Examination 54.0 **VT-3** 100 54-R8-F 1-2.01-96-0274 5/13/96 Acceptable by Examination 54.0 54-R8-G **VT-3** 100 5/13/96 1-2.01-96-0272 Acceptable by Examination 54.0 **VT-3** 100 54-R8-H 1-2.01-96-0269 5/13/96 Acceptable by Examination 54.0 54-R8-J 1-2.01-96-0268 **VT-3** 100 5/13/96 Acceptable by Examination 54.0 54-R8-K 1-2.01-96-0267 **VT-3** 100 5/13/96 Acceptable by Examination 54.0 54-R8-L 1-2.01-96-0266 **VT-3** 100 5/13/96 Acceptable by Examination 54-R8-M **VT-3** 100 54.0 1-2.01-96-0263 5/13/96 Acceptable by Examination 54.0 54-R8-N VT-3 100 5/13/96 1-2.01-96-0261 Acceptable by Examination 54.0 **VT-3** 100 54-R8-P 1-2.01-96-0254 5/13/96 Acceptable by Examination 54.0 54-SCR-1K 1-2.01-96-0244 VT-3 100 5/13/96 Acceptable by Examination 54.0 VT-3 100 54-SCR-1L 1-2.01-96-0247 5/13/96 Acceptable by Examination 54.0 54-SCR-1M 1-2.01-96-0250 VT-3 100 5/13/96 Acceptable by Examination 54.0 54-SCR-1MM 1-2.01-96-0264 **VT-3** 100 5/13/96 Acceptable by Examination



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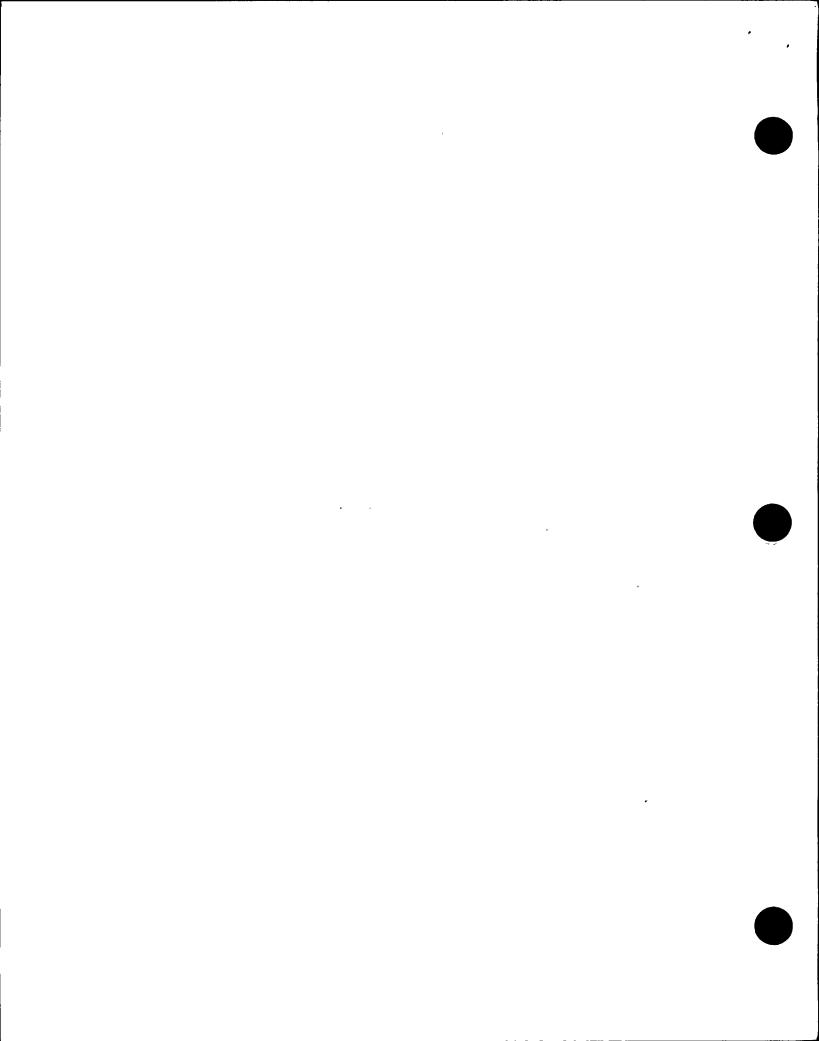


1997 Outage Summary Report - Abstract of Examinations Page: 15 of 18 Data Sheet % Exam Exam Sys Exam Item Number Comments Comp. Date <u>Type</u> 70.0 70-R17-I 1-2.01-96-0194 VT-3 100 4/30/96 Acceptable by Examination 70.0 70-R17-J **VT-3** 1-2.01-96-0222 100 4/30/96 Acceptable by Examination 70.0 70-R17-N 1-2.01-96-0206 **VT-3** 100 5/1/96 Acceptable by Examination 70.0 **VT-3** 70-R18-A 4/30/96 1-2.01-96-0180 100 Acceptable by Examination 70.0 70-R19-A 1-2.01-96-0119 **VT-3** 100 4/29/96 Acceptable by Examination 70.0 70-R19-B 1-2.01-96-0116 **VT-3** 100 4/29/96 Acceptable by Examination 70.0 **VT-3** 70-R19-C 100 1-2.01-96-0197 4/30/96 Acceptable by Evaluation 70.0 70-R2-A **VT-3** 100 4/29/96 1-2.01-96-0141 Acceptable by Examination 70.0 **VT-3** 70-R20-D 1-2.01-96-0145 100 4/29/96 Acceptable by Examination 70.0 70-R20-E **VT-3** 1-2.01-96-0227 100 4/30/96 Acceptable by Examination 70.0 70-R22-B 1-2.01-96-0158 **VT-3** 100 4/29/96 Acceptable by Examination 70.0 70-R22-C VT-3 1-2.01-96-0155 100 4/29/96 Acceptable by Examination 70.0 VT-3 70-R22-D 1-2.01-96-0154 100 4/29/96 Acceptable by Examination 70.0 VT-3 100 70-R3-A 1-2.01-96-0152 4/29/96 Acceptable by Examination 70.0 70-R4-A VT-3 100 1-2.01-96-0161 4/29/96 Acceptable by Examination 70.0 70-R4-B 1-2.01-96-0160 **VT-3** 100 4/29/96 Acceptable by Examination 70.0 70-R5-A **VT-3** 100 1-2.01-96-0179 4/30/96 Acceptable by Examination 70.0 70-R5-B **VT-3** 100 4/30/96 1-2.01-96-0178 Acceptable by Examination 70.0 70-R5-C 1-2.01-96-0175 **VT-3** 100 4/30/96 Acceptable by Examination 70.0 70-R5-D **VT-3** 1-2.01-96-0173 100 4/30/96 Acceptable by Examination VT-3 70.0 70-R5-E 1-2.01-96-0172 100 4/30/96 Acceptable by Examination 70.0 VT-3 70-R5-F 1-2.01-96-0170 100 4/30/96 Acceptable by Examination 70.0 70-R5-G 1-2.01-96-0169 **VT-3** 100 4/30/96 Acceptable by Examination 70.0 70-R5-H **VT-3** 100 1-2.01-96-0168 4/30/96 Acceptable by Examination 70.0 **VT-3** 70-R5-I 1-2.01-96-0166 100 4/30/96 Acceptable by Examination 70.0 70-R5-J 1-2.01-96-0165 **VT-3** 100 4/30/96 Acceptable by Examination 70.0 70-R5-K 1-2.01-96-0163 **VT-3** 100 4/30/96 Acceptable by Examination 70.0 70-R5-L 1-2.01-96-0220 **VT-3** 100 5/1/96 Acceptable by Examination 70.0 70-R5-M **VT-3** 100 1-2.01-96-0162 4/30/96 Acceptable by Examination 70.0 70-R5-N VT-3 100 4/29/96 1-2.01-96-0153 Acceptable by Examination 70.0 **VT-3** 70-R5-P 1-2.01-96-0176 100 4/30/96 Acceptable by Examination 70.0 70-R7-G 1-2.01-96-0214 VT-3 100 5/1/96 Acceptable by Examination 70.0 70-R7-H 1-2.01-96-0210 VT-3 100 5/1/96 Acceptable by Examination 70.0 70-R7-I 1-2.01-96-0211 **VT-3** 100 5/1/96 Acceptable by Examination 70.0 70-R7-M VT-3 1-2.01-96-0128 100 4/29/96 Acceptable by Examination 70.0 70-R7-N **VT-3** 100 1-2.01-96-0197 4/30/96 Acceptable by Examination 70.0 VT-3 70-R7-P 1-2.01-96-0190 100 4/30/96 Acceptable by Examination 70.0 70-R7-U 1-2.01-96-0184 **VT-3** 100 4/30/96 Acceptable by Examination 70.0 70-R8-A VT-3 100 1-2.01-96-0185 4/30/96 Acceptable by Examination 70.0 **VT-3** 70-R8-C 1-2.01-96-0124 100 4/29/96 Acceptable by Examination 70.0 70-R8-D 1-2.01-96-0123 VT-3 100 4/29/96 Acceptable by Examination 70.0 70-R9-D **VT-3** 100 4/29/96 1-2.01-96-0129 Acceptable by Examination 70.0 70-R9-E **VT-3** 100 1-2.01-96-0130 4/29/96 Acceptable by Examination 70.0 70-S1 1-2.01-96-0118 **VT-3** 100 4/29/96 Acceptable by Examination 70.0 **VT-3** 70-S2 1-2.01-96-0226 100 4/30/96 Acceptable by Examination 70.0 VT-3 70-S3 1-2.01-96-0230 100 4/30/96 Acceptable by Examination 70.0 VT-3 70-SC-1 1-2.01-96-0212 100 5/1/96 Acceptable by Examination 70.0 70-SC-10 **VT-3** 100

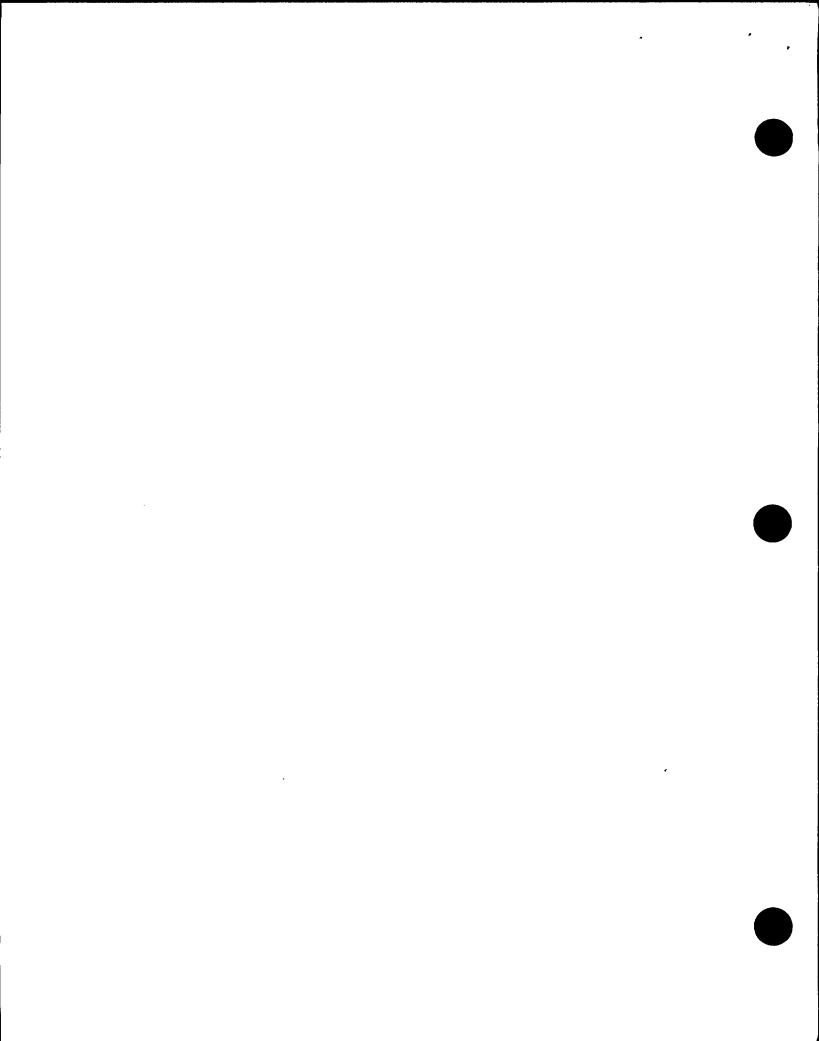
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Acceptable by Examination



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80.0

80-H41

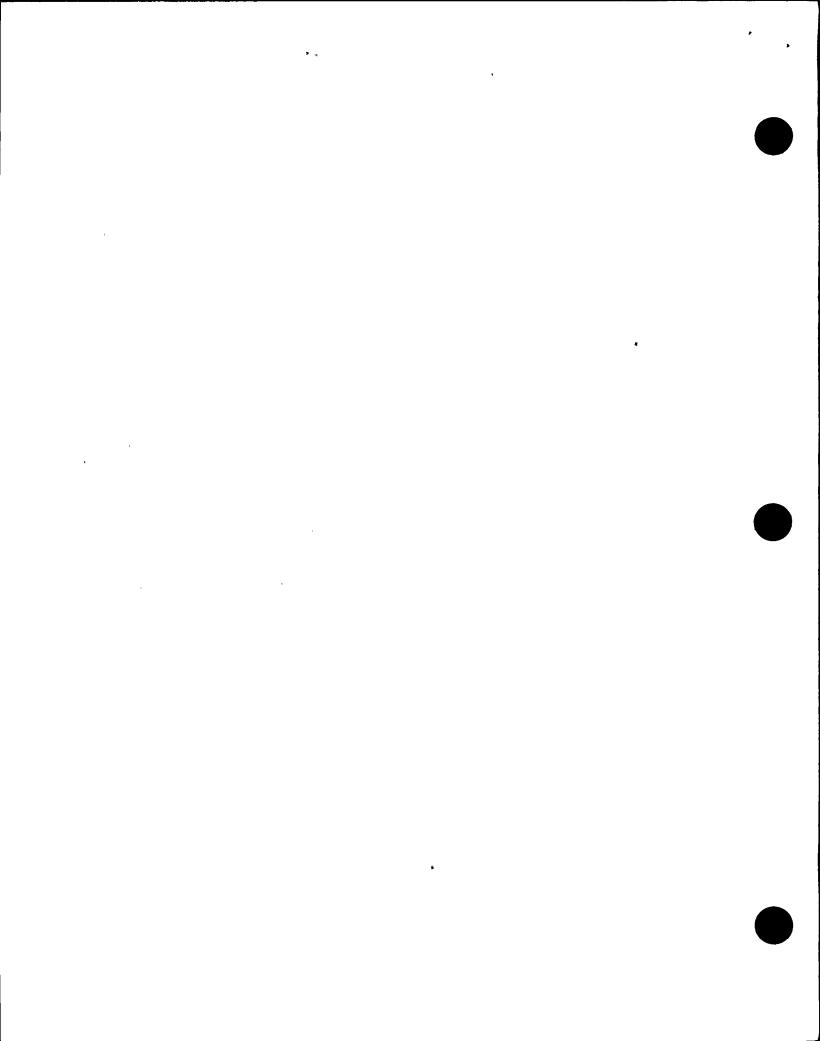
1-2.01-96-0021

VT-3/4

100

4/1/96

Acceptable By Examination



1997 Outage Summary Report - Abstract of Examinations Page: 18 of 18 Data Sheet Exam % Exam Sys Exam Item Number Comments Comp. Date Type 80-H62 80.0 1-2.01-96-0022 VT-3/4 100 4/1/96 Acceptable by Evaluation 80.0 80-H63 4/1/96 1-2.01-96-0028 VT-3/4 100 Acceptable By Examination 80.0 80-H65 1-2.01-96-0015 **VT-3** 100 4/1/96 Acceptable By Examination 80.0 80-H66 **VT-3** 100 4/1/96 Acceptable By Examination 1-2.01-96-0014 80.0 80-H80 VT-3/4 100 4/1/96 Acceptable By Examination 1-2.01-96-0010 80.0 80-SC-16 1-2.01-96-0006 **VT-3** 100 4/1/96 Acceptable By Examination **VT-3** 100 4/1/96 80.0 80-SC-19B 1-2.01-96-0007 Acceptable By Examination **VT-3** 4/1/96 80.0 80-SC-2 1-2.01-96-0025 100 Acceptable By Examination **VT-3** 80.0 80-SC-42 100 4/1/96 1-2.01-96-0011 Acceptable By Examination 80.0 80-SC-43 1-2.01-96-0012 **VT-3** 100 4/1/96 Acceptable By Examination 80.0 VT-3 100 4/1/96 80-SC-45 1-2.01-96-0013 Acceptable By Examination 80.0 80-SC-53 **VT-3** 100 4/1/96 1-2.01-96-0023 Acceptable By Examination 80.0 80-SC-65 1-2.01-96-0008 **VT-3** 100 4/1/96 Acceptable By Examination **VT-3** 100 4/1/96 80.0 80-SC-7B 1-2.01-96-0024 Acceptable By Examination 80.0 80-SC-9 **VT-3** 100 4/1/96 1-2.01-96-0016 Acceptable By Examination 80.0 80-SS-3 1-2.01-96-0026 **VT-3** 100 4/1/96 Acceptable By Examination 80.0 X-140 PENET. **VT-3** 100 4/2/96 1-2.01-96-0017 Acceptable By Examination 80.0 **X-149 PENET. VT-3** 1-2.01-96-0018 100 4/1/96 Acceptable By Examination VT-3/4 81.0 81-H11 1-2.01-96-0293 100 6/3/96 Acceptable by Examination 81.0 81-H12 1-2.01-96-0305 **VT-3** 100 6/27/96 Acceptable by Examination 81.0 81-H13 **VT-3** 100 6/3/96 1-2.01-96-0282 Acceptable by Examination 81.0 81-H2 **VT-3** 100 6/3/96 1-2.01-96-0288 Acceptable by Examination **61.0** 81-H41 1-2.01-96-0299 VT-3 100 6/4/96 Acceptable by Examination 81.0 81-H5 1-2.01-96-0289 **VT-3** 100 6/3/96 Acceptable by Examination 81.0 81-H6 **VT-3** 100 6/3/96 1-2.01-96-0285 Acceptable by Examination VT-3/4 Acceptable by Examination 81.0 81-H8 1-2.01-96-0298 100 6/3/96 81.0 81-H9 VT-3/4 100 1-2.01-96-0297 6/3/96 Acceptable by Examination 81.0 81-RSW-101 **VT-3** Acceptable by Examination 1-2.01-96-0294 100 6/3/96 81.0 81-RSW-102 1-2.01-96-0300 **VT-3** 100 6/4/96 Acceptable by Examination 81-SC-12 81.0 1-2.01-96-0286 **VT-3** 100 6/3/96 Acceptable by Examination 81.0 **VT-3** 100 81-SC-13 6/3/96 1-2.01-96-0291 Acceptable by Examination 81.0 81-SC-14 **VT-3** 1-2.01-96-0296 100 6/3/96 Acceptable by Examination 81.0 81-SC-2 1-2.01-96-0290 **VT-3** 100 6/3/96 Acceptable by Examination 81.0 81-SC-3 1-2.01-96-0292 **VT-3** 100 6/3/96 Acceptable by Examination 81.0 81-SC-47 1-2.01-96-0295 **VT-3** 100 6/3/96 Acceptable by Examination 81.0 VT-3 100 81-SS-1 1-2.01-96-0283 6/3/96 Acceptable by Examination 81.0 VT-3 81-SS-2 1-2.01-96-0284 100 6/3/96 Acceptable by Examination 81.0 **VT-3** 81-SS-20 1-2.01-96-0280 100 6/3/96 Acceptable by Examination 81.0 VT-3 81-SS-21 1-2.01-96-0281 100 6/3/96 Acceptable by Examination 81.0 81-SS-3 1-2.01-96-0279 **VT-3** 100 6/3/96 Acceptable by Examination

VT-3

VT-2

VT-2

100

100

100

6/3/96

10/8/95

10/8/95

Acceptable by Examination

Acceptable by Examination

Acceptable by Examination



81.0

93.0

93.0

81-SS-4

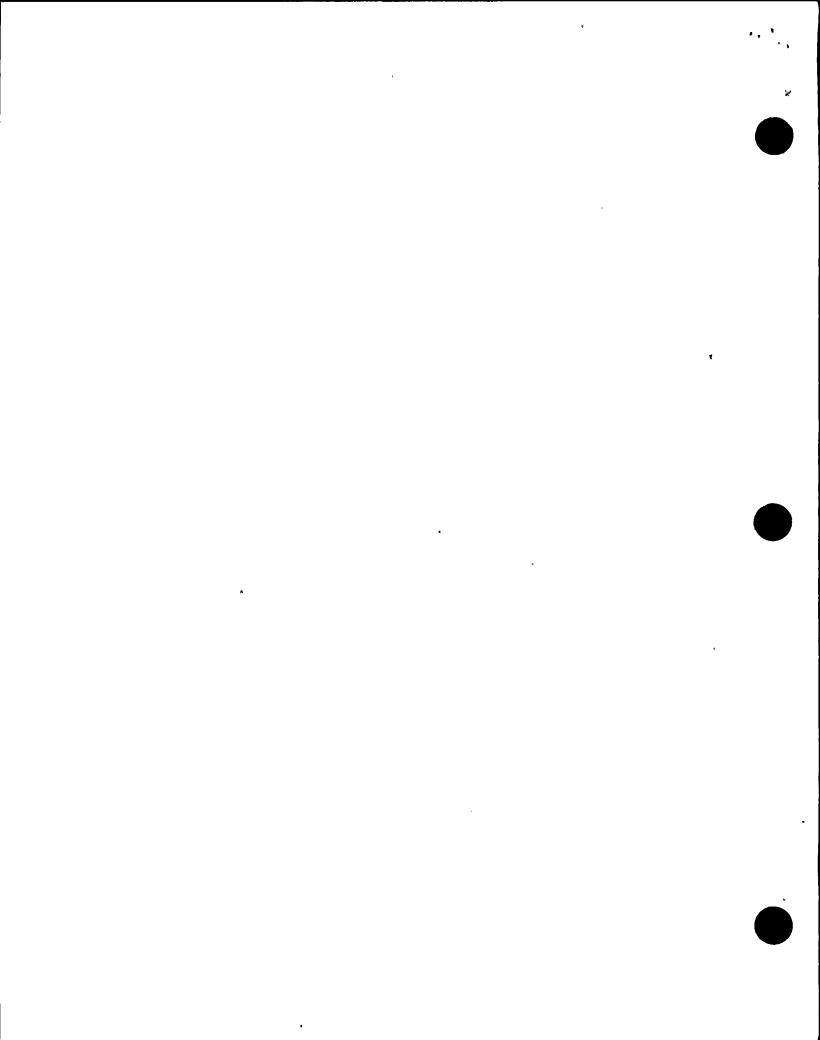
3C

3D

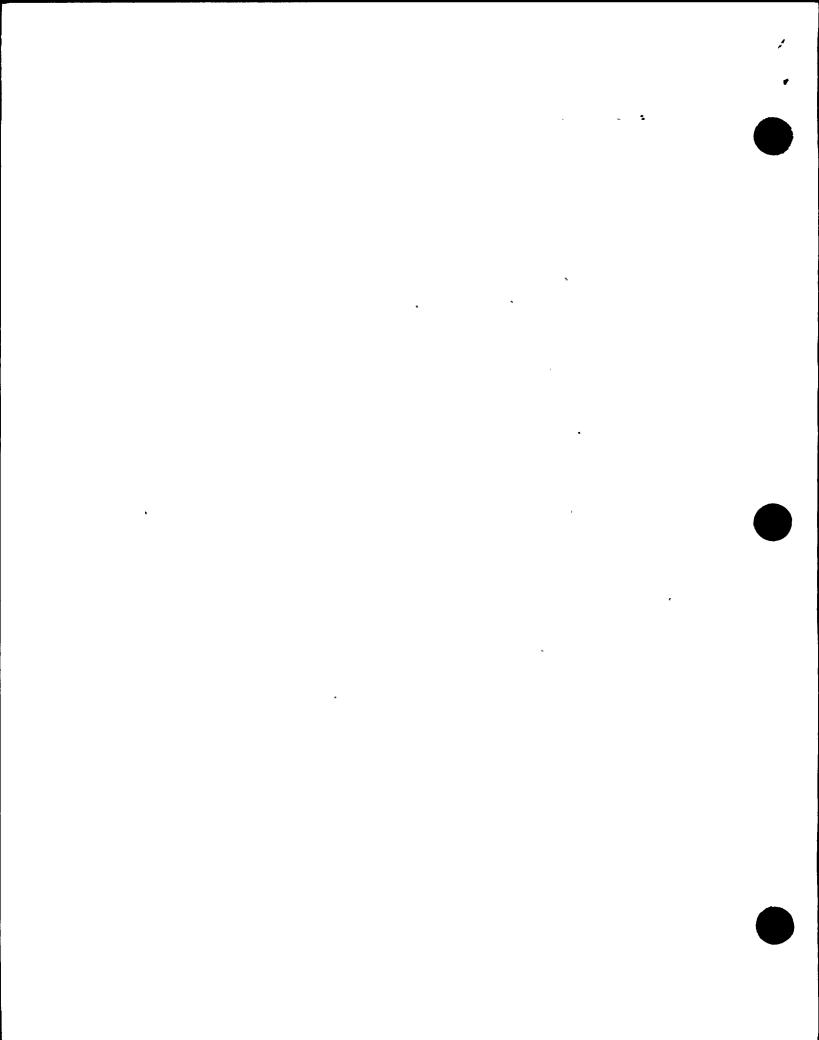
1-2.01-96-0287

1-2.01-95-0290

1-2.01-95-0290



NIS-2 DATA REPORTS



	2. Plant	Nine Mile Poin	<u>t</u> .	nit1				
	<u>P.O.</u>	Box 63 Lycoming. Address	New York 13093		Mech. Maint. Wor Repair Organization			
		•	iagara Mohawk Power Co Name Box 63 Lycoming N.Y.	Au	be Code Symbol Standthorization NoN/. Expiration Date NoN/.	Α	•	
٠.	5. (a) A (b) A ₁	pplicable Construction of S	Main Steam (SYSTEM Con Code ASME III Section XI Utilized for Release Repaired or Replace	1968 epairs or Replac	ements 19 <u>83, Sum.</u>			
NAME COMPON		NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board ' No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No
	I-102B -	DRESSER	BT-06128 ,	N/A	CLASS 1	1978	REPLACEMENT	МО
•					,			
	· · · · · · · · · · · · · · · · · · ·			_				
	7. Desc	ription of Work:	Valve was removed for to placing. Damaged studs, m	esting and failed	initial test. During d	isassembl	y two studs and nuts v	vere
	plan. W	O 95-04204-02, and	dispositioned DER 1-97-	-0710.	z replaced in accorda		III ADIVID SECTION AT P	
•		Conducted:	natic 🗆 Nominal Operati	ing Pressure 🗆	Test Procedure: N	1-IST-LK	101	:

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 (2) studs heat number 1JN, (2) nuts heat number A7V, disc heat number 19001. PSI for studs and nuts per VT-1 NDE report no. 1-2.01-97-0122. VT-2 per NDE report no. 1-2.01-97-0136

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	
Typo could by most entire the many	 .
Certificate of Authorization No None Expiration Date None.	
Signed Maint, MGR, Unit-1 Date Date	· 25 , 19 <u>97</u>
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 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 <u>3/19/97</u> to <u>7/28/97</u> , and state that to the best of my knowledge and belief, the Owner has peand taken corrective measures described in this Owner's Report in accordance with the requirement Section XI.	e period erformed examinations
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed the examinations and corrective measures described in this Owner's Report. Furthermore, neither employer shall be liable in any manner for any personal injury or property damage or a loss of any connected with this inspection.	the Inspector nor his
Lynn Warlum Commissions NB 8496 NY 2812	
Inspector's Signature National Board, State, Province, and Endo	rsements
Date	

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

As Required by the Provisions of the ASME Code Section XI

• •		Box 63 Lycoming N.Y.		Sheet1	_of	_1		
2. Plan	2. Plant Nine Mile Point Name			Unit				
, P.O	. Box 63 Lycoming. N Address	ew York 13093		Mech. Maint. Wor Repair Organization				
	•	ngara Mohawk Power Co Name Box 63 Lycoming N.Y.	Δ11	oe Code Symbol Stan thorization No. <u>N/</u> Expiration Date <u>N</u>	Δ			
5. (a) A (b) A	tification of System Mapplicable Construction pplicable Edition of S	ain Steam (SYSTEM (n Code <u>ASME III</u> ection XI Utilized for Re ents Repaired or Replace	1968 epairs or Replac				: ·	
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	
01-119A	`Dresser	BK 6535	N/A	Class 1	1969	Replaced	No	
PSV-01-119B	Dresser	BK 6253	N/A	Class 1	1969	Replaced	No	
PSV-01-119C	Dresser	BK 6520	N/A	Class 1	1969	Replaced	No	
PSV-01-119D	Dresser	BK 6292	N/A	Class 1	1969	Replaced	No	
PSV-01-119F	Dresser	BK 6297	N/A	Class 1	1969	Replaced	· No	
• 8. Test:	ASME section XI won	atic Nominal Operati					3871-	

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.



9. Remarks: This replacement was not the result of an inservice failure. Replaced serial number BK 6230 at PSV-01-119A. Replaced serial number BK 6253 with BK 6325 at PSV-01-119B. Replaced serial number BK 6520 with BK 8508 at PSV-01-119C. Replaced serial number BK 6292 with BK 6303 at PSV-01-119D. Replaced serial number BK 6297 with BK 6254 at PSV-01-119F. VT-2 per NDE report no. 1-2.01-97-0136

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
Signed School School Signed School Signed School Signed School Signed School Sc
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 NASSACHUSETTS have inspected the components described in this Owner's Report during the period 6124196 to 7170197, 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.
Lynn O and Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/30 ,1997

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

As Required by the Provisions of the ASME Code Section XI

	Na Nine Mile Point P.O.	13093	3 Sheet1of1				
2. Plant	•	Address	Unit _		•	1	
•	. Name			•	•		
<u>P.O.</u>	Box 63 Lycoming. N Address	lew York 13093		<u>Mech, Maint, Worl</u> Repair Organizatio	k Order N n P.O. No	o. 95-03871-00 ., Job No., etc.	•
3. Work	Performed By <u>Ni</u>	agara Mohawk Power C		e Code Symbol Stan	-	•	
<u>N</u>		Name Box 63 Lycoming N.Y.	13093 Au	thorization No. <u>N//</u> Expiration Date <u>N/</u>	A	•	
4. Identi	Address ification of System_M	(ain Steam (SYSTEM)	01.)				
	pplicable Constructio	n Code <u>ASME III</u> ection XI Utilized for R		Edition, N/A_ Add			•
		ents Repaired or Replace			<u> </u>	·	•
ME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASM Code Stam (Yes
-01-119G	`Dresser	BK 6256	N/A	Class 1	1969	Replaced	No
/-01-119H	Dresser	BK 6521	N/A	Class 1	1969	Replaced	No
/-01 - 119J	Dresser	BK 6319	` N/A	Class 1	1969	Replaced	No
/-01-119M	Dresser	BK 6522	N/A	Class 1	1969	Replaced	No
				<u> </u>			
7. Descr	intion of Work: Remo	oved valves PSV-01-119G	.H.J.M for testi	ng and replaced with	a spare v	 alve per WO 95-037	/81-00
1 401	ME section XI work	plan.					
and ASI		•				•	•
and ASI	•						

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % 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. Replaced serial number BK 6256 with BK 6267 at PSV-01-119G. Replaced serial number BK 6311 with BK 6524 at PSV-01-119H. Replaced serial number BK 6319 with BK 6317 at PSV-01-119J, Replaced serial number 6522 with BK 6250 at PSV-01-119M. VT-2 per NDE report no. 1-2.01-97-0136.

CERTIFICATE OF COMPLIANCE

ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed Flb Flu Fix S. 0074, Maint. MGR. Unit-1 Date 7/29, 19 97 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 \(\(\frac{124 96}{24 96} \) to \(\frac{7 30 97}{2}, \) 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.
Zm Dales Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements
Date

1. Own	er <u>Niagara Mohawk</u> Name	Power Corporation	Da	ateMARCH 20	5. 1997		
n 	Nine Mile Point P.O.	Box 63 Lycoming N.Y. I	3093	Sheet1	_of	_1	
2. Plant	Nine Mile Point Name		Unit _	1			
<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. 97-00931-00 ., Job No., etc.	
	line Mile Point P.O. 1 Address	gara Mohawk Power Cor Name Box 63 Lycoming N.Y. 13	3093Au	e Code Symbol Stan thorization No. <u>N//</u> Expiration Date <u>N/</u>	^ 'A		
5. (a) A (b) A	pplicable Construction pplicable Edition of Se	AIN STEAM (SYSTEM Code ASME I ection XI Utilized for Reputs Repaired or Replaced	<u>1965</u> Edition pairs or Replac	, N/A Addenda, ements 19 <u>83, Sum,</u>	none C		
vame of Mponent	NAME OF MANUFACTURER	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes. or No
stem 01	M.W. KELLOGG	N/A	N/A	CLASS 1	1969	REPAIR	No
		· · · · · · · · · · · · · · · · · · ·					
046A. 0	Conducted: [ydrostatic Pneuma	noved are strikes and tack dance with ASME work to the dance with ASME with	plan, W.O. 97	-00931-00 and DER	1-97-073	l A. 01-WD-017A, 01-	<u>-WD-</u>
11 in.,	(2) information in	ts in form of lists, ske items 1 through 6 on of sheets is recorded	this report i	s included on eac	d, provid h sheet,	ed (1) size is 8 ½ and (3) each she	in. x et is



9. Remarks: This replacement was not the result of an inservice failure. Removed unacceptable indications from welds.

Performed UT examination after removal of indications to verify minimum wall requirements were acceptable (Reference NDE Report No. 1-6.05-97-0025). Performed MT surface examination of removal area (Reference NDE Report No. 1-4.00-97-0087). Performed VT-2 examination in conjunction with N1-IST-LK-101to (reference NDE Report No. 1-2.01-97-0136.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this <u>repair</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 Some Text Mont Munice Date 7.22, 19 97 Owner or buner'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 7/22/97 to 7/23/97, 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.
Tynn Darlus Commissions NB 8 496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date7123_,1997

1. Owner Niar	ara Mohawk Powe	r Corporation Name		DateAPRII	17. 1997		
Nine	Mile Point P.O. B	ox 63 Lycoming N. Address	Y. 13093	SheetI		of <u>1</u>	
2. PlantN	line Mile Point	Name		Unit1			
<u>P.O.</u>	Box 63 Lycoming	New York 13093		GENE WO Nos, 95-0415			
3. Work Perform	ed By <u>General I</u>	Electric Nuclear Ene Name	rey	_ Type Code Symbol Stamp	<u>N/A</u>		
175 Curtner	Ave., San Jose, C	CA 95125 Address		Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>			
5. (a) Applicab The shroud stal stabilizer (tie ro the same as tha 1984. (b) Applicable	le Construction Co pilizers are classified d) components was t used in ASME III le Edition of Section	de <u>See Below</u> I as ASME Code Clar in accordance with A Subsection NB, 198 on XI Utilized for Re	1919 ASS B-N-2 cor ASME III, Ap 66 Edition and epairs or Rep	Edition, Add mponents (core structural support) ppendices, 1989 Edition and the n d ASME III, Subsection NG, 198	enda, . Material omenclatur 3 Edition v	Code C properties for the re for stress inten	e replacement isity used was
6. Identification	of Components Re	paired or Replaced a	and Replacen	nent Components	1	Repaired	ASHE
Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped, (Yes or No)
OD-RXVE-90	GENE	N/A	N/A	Class 1 Lower Support Latch, Bottom Spring Spacer, Mid-Support	1995	Replacement	No
TIEROD-ŖXVE-166	GENE	N/A	N/A	Class 1 Lower Support Latch, Bottom Spring Spacer, Mid-Support	1995	Replacement	No
TIEROD-RXVE-270	GENE	N/A	N/A	Class 1 Tie Rod Assembly (excluding upper support, upper spring & lower support assembly)	1995	Replacement	No
TIEROD-RXVE-350	GENE	N/A	N/A	Class I Lower Support Latch, Bottom Spring Spacer, Mid-Support	1995	Replacement	No
azimuth. Repla supports on all ASME work p TR. NMP1-SS 1-97-801. 1-9 8. Tests Conducte Hydrostatic	ced the original low four tie rods. Adde lans. Work Orders to SM-BSS. NMP1-S 7-1050. 1-97-1106 ed: N/A. No presso	ver support latches wi d bottom spring space 95-04158-02 thru 95-0	ith a new imp iss to the tie r M158-09, GE 00101B, 1M0 199, 1-97-83 ed.	g the upper support, upper spring proved designed lower support late ods at the 90°.166° and 350°. All NE Installation/Traveler Nos. NM 00102B, 1M00392 and DERs 1-90	h on all fo work was -SHD-002	ur tie rods. Replace completed in acc NM-SHD-003.	aced the mid- cordance with : NMP1-SSM-

TE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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:

The 270° stabilizer assembly was replaced to correct a deviation identified during the preservice inspection performed following the original installation of the stabilizers in 1995. The 270° stabilizer deviation wherein the lower spring beared on the blend radius of a recirculation nozzle had been justified for continued operation for one fuel cycle. The replacement stabilizer was modified to relocate the spring away from the nozzle. The bottom spring spacers were added to each stabilizer to extend the shroud side lower spring contact above shroud weld H6A. This modification was also performed to correct an original installation deviation. A bottom spring spacer was not added to the 270° stabilizer because the replacement 270° stabilizer was modified to ensure the shroud side lower spring contact was large enough to extend above weld H6A.

During the spring 1997 refueling outage, two additional deficiencies were found on the shroud repair hardware. Each of the four shroud repair stabilizer assemblies were found to have less than the original installation preload and one of the lower wedge latches had failed inservice. Two other lower wedge latches also appeared to be degraded. The deviations were found during required augmented In-service Inspections (ISI) and during the planned replacement of the shroud stabilizer assembly at 270°. The root cause of the stabilizer loss of preload and the latch failure was primarily due to clearances between the lower support toggle bolts and the holes in the shroud support cone and due to an incorrect design assumption regarding sliding at the vessel to lower wedge interface. The shroud repair assemblies have been repaired by removing the looseness by pushing the lower support toggle bolt assemblies to the shroud side of the holes in the shroud support cone. The lower support latches have been replaced with a new design which is more tolerant of differential motion. As a result of moving the lower support toggle bolt assemblies towards the shroud a lack of contact was identified between the mid-supports and RPV wall. The mid-supports were replaced with new mid-supports that were large enough to contact the RPV wall. These changes assure that the shroud repair assemblies will function as originally intended during all modes of plant operation. Reference IVVI VT Report No. 1-2.01-97-0045 for final acceptance.

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
Signed Date Date Date 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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 211497 to 7/27/97, 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 NB 8496 NY 2812 National Board, State, Province, and Endorsements
Date 7/23 ,1997

	Nine Mile Point P.O	<u>. Box 63 Lycoming N.Y.</u> Address		Sheet1			
2. Plan	Nine Mile Poin Name	t	Unit	_1		 	
<u> P.O.</u>	Box 63 Lycoming. Address	New York 13093		<u>Mech. Maint. Work</u> Repair Organization			
	•	iagara Mohawk Power Co Name Box 63 Lycoming N.Y.	_,	Code Symbol Stam horization No. <u>N/A</u> Expiration Date <u>N/</u>	-		
4. Ident 5. (a) A I	Address tification of System I Applicable Constructi ASME Section I, 196 Edition. (Applied to I Applicable Edition of	REACTOR VESSEL (RX on Code <u>see below</u> 2 Edition and ASME Code Reactor Vessel, Shroud was section XI Utilized for Reacts Repaired or Replace	VE) Ede Cases 1270N, as non-code for facepairs or Replac	dition, Add 1272N, 1273N, and abrication/installation	enda, 1275N, A	Code Case SME Section VIII,	1962
OF COMPONENT	name of Manufacturer	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Yoar Built	Repaired Replaced, or Replacement	ASME Code Stampo (Yes or No
Core Shroud	General Electric	N/A	N/A	CLASS 1	1969	REPAIRED	No
						-	
	Δ						-
8. Test	s Conducted: N/A.	oved boat sample from w procedure NMP-BOT-00 No pressure test required natic Nominal Operat	ing Pressure □	urgeal evaluation in a record of the record	O-TR and	DDC-1M00394.	cplan.

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 repair was not the result of an inservice failure. This repair only included removal of base metal (boat sample) from I.D. of vertical weld V9 for analysis and evaluation and did not include removal/repair of a flaw.

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>repair</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 Date 7.22, 19 77 Ounce or Ounce 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 <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>4/13/47</u> to 7/23/47, 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.
John Dayles Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements Date

		As noduled by the t		TOTAL COOR SECTION X			
1. Own	er <u>Niagara Mohawk</u>	Power Corporation Name	Dat	eAPRIL 17. 19	997		
		Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	1	-
2. Plan	Nine Mile Poin Name		Unit	1		-	
<u>P.O.</u>	Box 63 Lycoming, 1 Address	New York 13093		<u>Mech. Maint. Work</u> Repair Organization			
	·	agara Mohawk Power Co Name	Aut	Code Symbol Stam			
1	Nine Mile Point P.O. Address	Box 63 Lycoming N.Y. 1	13093	Expiration Date N/	Ā		
	-	EACTOR VESSEL (RXV on Code <u>see below</u>					
(b) A	Edition. (Applied to R Applicable Edition of	2 Edition and ASME Cod leactor Vessel, Shroud wa Section XI Utilized for Re ents Repaired or Replaced	as non-code for f epairs or Replac	abrication/installation ements 19 <u>83, Sum.</u>	n)	SME Section VIII,	1962
OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME . Code Stampe (Yes or No
Core Shroud	General Electric	N/A	N/A	CLASS 1	1969	REPAIRED	No
						•	
7. Desc . <u>W.O. 9</u>	ription of Work: Remo 5-04158-11. GENE p	oved boat sample from wek procedure NMP-BOT-001	l V10 for metall . GENE Travele	urgeal evaluation in a	eccordance R and DE	with ASME work C-1M00391.	plan.
		lo pressure test required. natic □ Nominal Operatir	ng Pressure 🛘	Test Procedure:			
	-	Test Temp					
NOTE:	Supplemental she	ets in form of lists, ske	etches, or drav	vings may be used	l, provide	d (1) size is 8 ½	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 repair was not the result of an inservice failure. This repair only included removal of base metal (boat sample) from O.D. of vertical weld V10 for analysis and evaluation and did not include removal/repair of a flaw.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this <u>repair</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 Stone To Mant Manager Date 7.22, 19 97
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>4-121 47</u> to <u>7/23/97</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.
Tynn 10 Auflesson Commissions NB 8 4 9 6 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date7/23_,19 <u>97</u>

1. Owner Niagara Mohawk Power Corporation Name	Dat	e <u>April 2</u>	. 1997		
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address	:	Sheet	_1	of	
2. Plant Nine Mile Point Name	Unit _1			·	<u></u>
P.O. Box 63 Lycoming, New York 13093 Address					<u>0.95-04151-04</u> 0., Job No., e
3. Work Performed By Niagara Mohawk Power Corp. Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address	Type Authorizat	Code Syrtion No Expiration	mbol Sta N/A Date <u>N</u>	mp <u>N/A</u>	
4. Identification of System FW/HPCI FEEDWATER/HPC	ZI	<u></u>			,
5. (a) Applicable Construction Code ASME III 19 (b) Applicable Edition of Section XI Utilized for Repairs of	80Edi				
6. Identification of Components Repaired or Replaced and I	Replaceme	nt Compo	nents		

NAME OF COMPON ENT	NAME OF MANUFACTU RER	MANUFACTUR ER'S SERIAL No.	Nation al Board No.	OTHER IDENTIFICAT ION	Yea r Bui lt	Repaired Replaced, or Replacement	ASME Code Stampe d (Yes or
CKV-31- 01R	Anchor Darling	E6619-1-1	N/A	CLASS 1	1986	REPLACEMENT	N0

7. Description of Work Replacement of 2 ea. studs, drilling and tapping of check valve as part of DER disposition. Replaced 2 ea. studs per ASME Work Plan in Work Order 95-04151-04 at CKV-31-01R. Drilled and tapped valve for installation of 2 studs per DDC 1F00280 and ASME Work Plan in Work Order 95-04151-04 at CKV-31-01R. Reference DER 1-97-0708 for damaged valve body stud holes.

8. Tests Conducted:

Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: N1-IST-LK-101

Other Pressure 1044.6 PSIG Test Temp. 226 Deg. • F



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.

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Replaced 2 ea. studs as part of preventive maintenance. Heat no. for studs (same for each) is 8078944 / heat code 88H. PSI UT examination performed per 1-6.04-97-0002 on studs. VT-1 performed on 2 replacement studs, 2 drilled and tapped stud holes in valve and on the valve flange face per NDE report no. 1-2.01-97-0109. VT-2 per NDE Report No. 1-2.01-97-0136: Reference DER 1-97-0708 for damaged valve body stud holes.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement

rules of the ASME Code, Section XI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed Jel, 6 Llee For 5.007, marked empender - UI Date 7(29, 19 97: Owner 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 <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>7/14/97</u> to <u>7/30/97</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.
Essa Conference Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

1. Own	er <u>Niagara Mohawk</u> Nam	Power Corporation	· · · · · · · · · · · · · · · · · · ·	DateApril 2.	<u> 1997 </u>		•
' ــــ		Box 63 Lycoming N.	Y. 13093	Sheet1	of		
2. Plant	Nine Mile Point		Uni	1			•
P.O.	Box 63 Lycoming, N	lew York 13093				No. 95-04151-02 No., Job No., etc.	
	Nine Mile Point P.O. Address	ngara Mohawk Power of Name Box 63 Lycoming N.Y FEEDWATER / HPC	7. 13093 · A	ype Code Symbol S uthorization No Expiration Date	I/A	•	
5. (a) A (b) A	applicable Construction Applicable Edition of S	n Code <u>ASME III</u> Section XI Utilized for ents Repaired or Repla	1980 Ec Repairs or Rep	lition <u>, 82</u> Adder lacements 19 <u>83. Su</u>			•
op Vent	NAME OF MANUFACTURER	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASI Cod Stan (You
31-01R	ANCHOR DARLING	E6619-1-1	N/A	VALVE CLASS 1	1986	REPLACEMENT .	МО
	,						
						•	
7. Desc 04151-0	eription of Work: _Re 12. DDC 1M00134 ar	eplaced valve disc. hin kl procedure N1-MPM	ge pins, and bo	nnet nuts in accorda	nce with A	ASME work plan. W.C) <u>. 95-</u>
8. Tests	: Conducted:			-	•		
,	Iydrostatic 🗆 Pneum	atic Nominal Opera	ating Pressure C	Test Procedure	N1-IST-L	.K-101	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % 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. Replacement materials include; disc (Cert. No. C-97-0068, HT. No. E1343-3), hinge pins (Cert. No. C-95-1071, HT. No. Z7M), bonnet nuts (Cert. No. C-91-0838, HT. No. YM1). Performed VT-2 examination in conjunction with N1-IST-LK-101. (Reference NDE Report No. 1-2.01-97-0136). PSI performed in accordance with IWB 2200 b requirements (reference NOVA MACHINE PRODUCTS CORPORATION job no. 31551). Reference DER 1-97-2232.

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 replacement

ASME Code, Section XI.

Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed 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 2/27/47 to 7/3/197, 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 NB 8496 NY 2812 National Board, State, Province, and Endorsements
Date7 31_,19,47

I. Own	er <u>Niagara Moh</u> Name	awk Power Corpor	ation	Date	<u>April 2,</u>	1997	
	Nine Mile Point	P.O. Box 63 Lyco	ming N.Y. 1	3093 Sh	eet	of	1
•	•	Address	4	-		•	
2. Plant	Nine Mile	Point me		· Unit _1			
D O	,	•	102	M	ach Mai	int World Onlon No.	05 04151 0
<u>_P.O.</u>		ng, <u>New York 130</u> ress				int. Work Order No. zation P.O. No., Job	
3. Worl	Performed By	Niagara Mohawk	Power Com	. Type Co	de Symt	ool,Stamp N/A	
		Name		Authori		o. <u>N/A</u>	
		<u>P.O. Box 63 Lycon</u> dress	ning N.Y. 13	1093 Ex	piration :	Date N/A	
4. Ident	ification of Syste	m FW/HPCI FE	EDWATER/	HPCI ·			
						Addenda, N/A Co	de Case
			_	airs or Replacement			
6. Iden	tification of Con	ponents Repaired o	or Replaced a	and Replacement Co	omponen	ts .	1
		•				<u> </u>	
			National			Repaired	ASME Code
ME OF	NAME OF	MANUFACTURER'S	Board	OTHER	Year	Replaced, or	Stampe
MPONENT	MANUFACTURER	SERIAL No.	No.	IDENTIFICATION	Built	Replacement	(Yes
•	•			·			or No
KV-31- R	Anchor	E6619-1-2	N/A	CLASS 1	1986	REPLACEMENT	МО
<u>.K</u>	Darling						
					ļ		
						<u>-</u>	
						•	l
	,						
		<u> </u>			L		_!
7 Dose	intion of World	Donland I on atual			a Danie	aced 1 ea. stud per AS	ME Wade
in Worl	Order 95-0415	1-05 at CKV-31-02	R.	ventive maintenanc	е. Керла	icca i ea. stuu pei As	WIE WOIK
	•4					***************************************	
9 Tont	Conducted:						
^					_		
	Hydrostatic 🗆 I	Pneumatic Nom	inal Operatiņ	ig Pressure 🗆 To	est Proce	dure: <u>N1-IST-LK-10</u>	1
	Other Pres	sure <u>1044.6 PSIG</u>	Test Temp.	226 Deg. 0	F		

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

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Replaced 1 ea. stud as part of preventive maintenance. Heat no. for stud is 8078944 / heat code 88H. PSI UT examination performed per 1-6.04-97-0003 on stud. VT-1 per NDE report no. 1-2.01-97-0110. VT-2 per NDE Report No. 1-2.01-97-0136.

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.
Tules of the Asime Code, Section At.
~ ,
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed Del Gelle For 3-WTY, MGR MAINT-VI Date 7/29, 19 97 Owner or Owner's Designee, Title
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 3/16/97 to 7/30/97, 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 NB 8446 N Y 28/2. National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date . 7[30 ,19 47

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

As Required by the Provisions of the ASME Code Section XI April 2, 1997 Date_ 1: Owner Niagara Mohawk Power Corporation Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet_ Address Unit_ 2. Plant_ Nine Mile Point Name Mech. Maint. Work Order No. 95-04151-03 P.O. Box 63 Lycoming, New York 13093 Repair Organization P.O. No., Job No., etc. Address Type Code Symbol Stamp N/A Work Performed By Niagara Mohawk Power Corp. Name Authorization No. _N/A Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Expiration Date N/A Address 4. Identification of System __FEEDWATER / HPCI (SYSTEM 31) 1980 Edition, 82 Addenda, N/A Code Case 5. (a) Applicable Construction Code __ASME III___ (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components ASME Repaired Code National Stamped OTHER Replaced, or Board Year MANUFACTURER'S NAME OF NAME OF (Yes **IDENTIFICATION** Built Replacement SERIAL No. No. ONENT MANUFACTURER or No REPLACEMENT NO 1986 VALVE E6619-1-2 N/A CKV-31-02R ANCHOR CLASS 1 DARLING 7. Description of Work: Replaced valve disc. hinge pins, and bonnet nut in accordance with ASME work plan. W.O. 95-04151-03, DDC 1M000134 and procedure N1-MPM-GEN-242. 8. Tests Conducted:

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.

Hydrostatic □ Pneumatic □ · Nominal Operating Pressure □ Test Procedure: N1-IST-LK-101

Pressure 1044.6 PSIG Test Temp. 226 °F



9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; disc (Cert. No. C-97-0068, HT. No. E1343-3), hinge pins (Cert. No. C-95-1071, HT. No. Z7M), bonnet nut (Cert. No. C-91-0838, HT. No. YM1). Performed VT-2 examination in conjunction with N1-IST-LK-101. (Reference NDE Report No. 1-2.01-97-0136). PSI performed in accordance with IWB-2200 b requirements (reference NOVA MACHINE PRODUCTS CORPORATIONS job no. 31551). Reference DER 1-97-2232.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report ASME Code, Section XI.	t are correct and this <u>replacement</u> conforms to the rules of the repair or replacement
Type Code Symbol Stamp None	
Certificate of Authorization No None	Expiration Date None
Signed alberto Sury Owner or Owner's Designee, Tit	Maint. MGR. Unit-1 Date 731 , 1997
· · · · · · · · · · · · · · · · · · ·	
•	
CERTIFICATE O	F INSERVICE INSPECTION .
the State or Province of <u>NEW YORK</u> and emplo <u>MASSACHUSETTS</u> have inspected the components <u>2 27 97</u> to <u>7 31 97</u> , and state that to the best of	
the examinations and corrective measures described in	is employer makes any warranty, expressed or implied, concerning this Owner's Report. Furthermore, neither the Inspector nor his I injury or property damage or a loss of any kind arising from or
Zim D Onless Commissions N Inspector's Signature	88496 NY 2812
. 5/21 25	Mational Board, State, Province, and Endorsements
Date7/3/,19 <u>97</u>	

		Box 63 Lycoming N.Y	,	Sheet1t	or		
.P.O	***	lew York 13093		Mech. Maint. We Repair Organizat		No. 97-01164-00 No., Job No., etc.	
4. Iden 5. (a) A (b) A	Nine Mile Point P.O. Address tification of System _ Applicable Constructio pplicable Edition of S	ngara Mohawk Power of Name Box 63 Lycoming N.Y FEEDWATER / HPC In CodeASA B31.1 ection XI Utilized for tents Repaired or Replace	1(SYSTEM1955_E Repairs or Repl	dition <u>, N/A</u> Add acements 19 <u>83, Sun</u>	/A N/A lenda,_ <u>N</u> /	A_ Code Case	,
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes ·
31-HS-02	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 1	1969	REPLACEMENT	NO
			٠				
<u>w.o. 9</u>	7-01164-00 and proce	uilt hydraulic snubber xlure N1-MSP-GEN-3	using replaceme 52.	ent parts in accordance	ce with As	SME work plan, work	order —————————————————.
I	-	atic Nominal Opera			None		

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. Replaced connecting tube and rebuilt reservoir.

Connecting tube P.O. No. 33487. Performed VT-3/4 to reestablish baselineafter tubing connector replacement per NDE Report No. 1-2.01-97-0127.

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
• •
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 13147 to 712747, 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 NIB 8496 NY 2812 National Board, State, Province, and Endorsements
Date 7/23,19,97

		Name Box 63 Lycoming N.\ Address	Y. 13093	Sheet1	of	1	
2. Plan	t <u>Nine Mile Poin</u> Name	<u>t</u>	Ur	nit1			
<u>P.O.</u>	Box 63 Lycoming. 1 Address	New York 13093	 	<u>Méch. Maint. W</u> Repair Organiza		No. 96-02452-00 Io., Job No., etc.	
1	Nine Mile Point P.O. Address	agara Mohawk Power of Name Box 63 Lycoming N.Y	7. 13093	Type Code Symbol S Authorization No Expiration Date	N/A N/A		
5. (a) A (b) A	applicable Construction of S	on Code <u>ASA B31.1</u> Section XI Utilized for ents Repaired or Repla	<u>1955</u> Repairs or Rep	Edition <u>, N/A</u> A	Addenda, <u> </u>	I/A_ Code Case	
ME 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
7-Н6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	ИО
,					e .		
1S0003	I to be welded, Work v 2B and DER's 1-96 — s Conducted: Iydrostatic □ Pneum	placed load pin, rod, m was completed in accordance of the load of	dance with AS -97-0641.	ME work plan, W.O.	. 96-02452-	ds from parts that wer 00, DDC 1800130A.	e not DDC

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. Replaced load pin/rod (Cert. No. C-92-0661, HT. No. HT48410), nuts (Cert. No. C-96-1183, HT. No. DKK), plate (Cert. No. C-96-0900, HT. No. N291), clevis (Cert. No. C-92-1003 see letter from Grinnell dated 8/20/92 P.O. 97672) and load flange (Cert. No. C-97-0321, see letter from Grinnell dated 3/7.97). Performed VT-3/4 to reestablish baseline. Reference NDE Report No. 1-2.01-97-0051.

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

repair or replacement

Type Code Symbol Stamp None					
Certificate of Authorization No None Expiration Date None					
Signed Strue Diff Many er Date 7.21 , 19 97 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 2 2 2 97 to 7 2 7, 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.					
Jame O Cluber Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements					
Date 7/23,1997					

(12/82)

ASME Code, Section XI.

1. Owne		Power Corporation		Date March 19.	1997		
1		Box 63 Lycoming N.Y	7. 13093	Sheet1_	of	1	
2. Plant	Nine Mile Point Name		Un	it			
<u>P.O.</u>	Box 63 Lycoming. N Address	lew York 13093		<u>Mech. Maint. W</u> Repair Organizat		No. 96-02452-01 o., Job No., etc.	
N	ine Mile Point P.O Address	ngara Mohawk Power C Name Box 63 Lycoming N.Y	. 13093	Type Code Symbol St Authorization No 1 Expiration Date _	I/A N/A		
5. (a) A ₁ (b) A ₁	pplicable Constructio	EACTOR RECIRCUL n Code <u>ASA B31.1</u> ection XI Utilized for I ents Repaired or Replace	1955 Repairs or Rep	_ Edition <u>, N/A</u> A placements 19 <u>83, Sur</u>	ddenda, <u>N</u>	/A_ Code Case	
e of Onent	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
2-H6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	МО
:							
		•					
)					•	
required 1500037	<u>to be welded. Work v</u>	elaced load pin, rod, nuvas completed in accord- 0863, 1-96-0865 and 1	dance with AS	is and load flange. Re ME work plan. W.O.	moved wel 96-02452-	ds from parts that wer 01, DDC 1800130A,	e not DDC
	•	atic D Nominal Opera	-		None		
NOTE:	Supplemental she	ets in form of lists, s	sketches, or	drawings may be u	sed, provi	ded (1) size is 8 ½	in. x

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. Replaced load pin/rod (Cert. No. C-92-0661, HT. No. HT48410), nuts (Cert. No. C-96-1183, HT. No. DKK), plate (Cert. No. C-96-0900, HT. No. N291), clevis (Cert. No. C-92-1003 see letter from Grinnell dated 8/20/92 P.O. 97672) and load flange (Cert. No. C-97-0321, see letter from Grinnell dated 3/7.97). Performed VT-3/4 to reestablish baseline. Reference NDE Report No. 1-2.01-97-0054.

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: Date Designee, Title Signed: Date 7.21, 19 67					
CERTIFICATE OF INSERVICE INSPECTION					
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspect 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 2/2/1/97 to 7/23/197, and state that to the best of my knowledge and belief, the Owner has performed exami and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Section XI.	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 a loss of any kind arising from or connected with this inspection.					
Jun Darlusan Commissions ND 8476 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements					
Date 7/23 ,19 <u>97</u>					

	Nine Mile Point P.C). Box 63 Lycoming N. Address	Y. 13093	Sheet1_	of	1	
2. Plai	nt <u>Nine Mile Poi</u> Name	nt	U	nit1			
.P.C). Box 63 Lycoming. Address	New York 13093		<u>Mech. Maint. W</u> Repair Organiza	Vork Order tion P.O.	No. 97-00853-00 No., Job No., etc.	
3. Wo	rk Performed By <u>N</u>	iagara Mohawk Power	Corp.	Type Code Symbol S			
	Nine Mile Point P.O	Box 63 Lycoming N.)	7. <u>13093</u>	Authorization No Expiration Date	N/A N/A		
	ntification of System_	REACTOR RECIRCUI					
(b) A	Applicable Edition of	on Code <u>ASA B31.1</u> Section XI Utilized for nents Repaired or Repla	Repairs or Re	placements 19 <u>83. Su</u>			
e of Onent	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes
-Н6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO
			<u> </u>	ļ	ļ		
			 				
					<u> </u>		
7. Desc 00853-	ription of Work: Repli 00. DDC 1800130Å.	nced threaded rod and no DER's 1-96-0863, 1-96	uts. Work was 6-0865 and 1-9	completed in accorda 27-0643.	unce with A	SME work plan, W.O	. 97-
8. Test	s Conducted:						
1	Hydrostatic 🗆 Pneun	natic Nominal Opera	ting Pressure	☐ Test Procedure:	None	···	
	Other Pressure	Test Temp.		F			



9. Remarks: This replacement was not the result of an inservice failure. Replaced threaded rod (Cert. No. C-92-0661, HT.No. HT48410) and nuts (Cert. No. C-96-1183, HT. No. DKK). Performed VT-3/4 to reestablish baseline. Reference NDE Report No. 1-2.01-97-0059.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period \(\frac{7/23/97}{21000}\) 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.
Lynn D andress Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date7/23_,1997

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13 Address 2. Plant Nine Mile Point Name P.O. Box 63 Lycoming, New York 13093 Address 3. Work Performed By Niagara Mohawk Power Corp. Name	Unit1 Mech. M Repair 0	aint. Work Order		
Name P.O. Box 63 Lycoming, New York 13093 Address 3. Work Performed By Niagara Mohawk Power Corp. Name	<u>Mech. M</u> Repair O	aint. Work Order		
Address 3. Work Performed By <u>Niagara Mohawk Power Corp.</u> Name	Repair O		No. 96-02452-02	
Name	Tuna Carla C		lo., Job No., etc.	
••=	Type Code S	ymbol Stamp <u>N/A</u>		
Nine Mile Point P.O. Box 63 Lycoming N.Y. 130 Address	93 Authorization Expiration	n No. <u>N/A</u> on Date <u>N/A</u>		
 4. Identification of System REACTOR RECIRCULATION 5. (a) Applicable Construction Code ASA B31.1 (b) Applicable Edition of Section XI Utilized for Repaired 6. Identification of Components Repaired or Replaced at 	<u>1955</u> Edition <u>, N/</u> irs or Replacements 19	83, Sum. '83 ADI		
ie of name of manufacturer's b	ctional coard OTHE No. IDENTIFIC		Repaired Replaced, or Replacement	ASME Code Stamp (Yes or N
4-H6 M.W N/A N/ KELLOGG	/A PIPE SUPI CLASS 1	PORT 1969	REPLACEMENT	ИО
			,	ļ
				ļ
				<u></u>

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 $\frac{1}{2}$ in. $\frac{1}{2}$ 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. Replaced load pin (Cert. No. C-92-0661, HT. No. HT48140), nuts (Cert. No. C-96-1183, HT.No. DKK), plate (Cert. No. C-96-0900, HT. No. N291) and load flange (Cert. No. C-97-0321, see Grinnell letter dated 3/7/97 P.O. 97-13925). Performed VT-3/4 to reestablish baseline. Reference NDE Report No. 1-2.01-97-0052.

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 <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 2/21/97 to 7/23/97, 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.
Zym D Chyler Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23 ,1997

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Niagara Mohawk Power Corporation Name			DateMarch 19, 1997				
	Box 63 Lycoming N.	Y. 13093	Sheet	_1of	1		
t <u>Nine Mile Point</u> Name	·	Ur	nit1	****	•		
. Box 63 Lycoming. N Address	lew York 13093	<u></u>					
•	Name		•	•			
tification of System <u>R</u> Applicable Construction Applicable Edition of S	on Code <u>ASA B31.1</u> Section XI Utilized for	1955 Repairs or Rep	Edition <u>, N/A</u> placements 19 <u>83</u>	3. Sum. '83 AD			
NAME OF MANUFACTURER	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICAT:	Year ON Built	Repaired Replaced, or Replacement	ASME Code Stamp (Yes or N	
M.W KELLOGG	N/A	N/A	PIPE SUPPO	RT 1969	REPLACEMENT	МО	
ER's 1-96-0863, 1-96 s Conducted: Hydrostatic Pneum	-0865 and 1-97-0640.	ating Pressure	□ Test Proce		parts that were not req 1S00130A, DDC 1S00	uired 032B	
	Nine Mile Point P.O. tNine Mile Point Name Box 63 Lycoming. Naddress k Performed ByNine Mile Point P.OAddress tification of System R. Applicable Construction of Latification of Componentification of Componentification of Componentification of Work: Replayed Name of Manufacturer M.W. KELLOGG **Tiption of Work: Replayed Name of Manufacturer M.W. KELLOGG **Tiption of Work: Replayed Name of Manufacturer **Tiption of Work: R	Nine Mile Point P.O. Box 63 Lycoming N.Y. Address t	Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address t Nine Mile Point Ur Name Box 63 Lycoming, New York 13093 Address k Performed By Niagara Mohawk Power Corp. Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address tification of System REACTOR RECIRCULATION (SYS) Applicable Construction Code ASA B31.1 1955 Applicable Edition of Section XI Utilized for Repairs or Repairification of Components Repaired or Replaced and Replaced Infinity of Manufacturer Serial No. M.W N/A N/A N/A M.W N/A N/A N/A KELLOGG Applicable Address National Board No. N/A N/A N/A MCHANGE OF MANUFACTURER'S Board No. M.W N/A N/A N/A KELLOGG Applicable Address of Replaced Infinity of	Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet	Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet	Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 t Nine Mile Point Point Unit 1 Box 63 Lycoming. New York 13093 Address Mech. Maint. Work Order No. 96-02452-03 Repair Organization P.O. No., Job No., etc. Repair Organization P.O. No., Job No., etc. Name Name Name Name No. Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address No. NIA Expiration Date N/A Authorization No. NIA Expiration Date N/A Repair Office No. NIA Repair	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.



_conforms to the rules of the

repair or replacement

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 load pin (Cert. No. C-92-0661, HT.No. HT48410), nuts (Cert. No. C-96-1183, HT.No. DKK), clevis (Cert. No. C-92-1003, see Grinnell letter dated 8/20/92, P.O. 97672), load flange (C-97-0321, see Grinnell letter dated 3/7/97 P.O. 97-13925) and plate (Cert. No. C-96-0900, HT. No. N291). Performed VT-3/4 to reestablish baseline. Reference NDE Report No. 1-2.01-97-0053.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this <u>replacement</u>

Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed 5000 100 100 100 100 100 100 100 100 10
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 2 2 2 1 9 7 to 7 12 3 1 9 7, 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.
Jon Waylusm Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997 "

(12/82)

ASME Code, Section XI.

1. Owr	ner <u>Niagara Mohawk</u>	Power Corporation	Da	te <u>MARCH</u>	<u> 28. 1997 </u>		
		. Box 63 Lycoming N.Y.	13093	Sheet1	of	_1	
· .	=	Address				•	
2. Plan	nt <u>Nine Mile Poin</u> Name	t	Unit _		<u></u>		
<u>P.O</u>	Box 63 Lycoming. Address	New York 13093		<u>Mech. Maint. Wo</u> Repair Organizat	ork Order N	o. 97-00946-00 .	
3. Wor	rk Performed By <u>N</u>	iagara Mohawk Power Co	огр. Туг	e Code Symbol St	mp <u>N/A</u>		
·	Nine Mile Point P.O.	Name Box 63 Lycoming N.Y.	13093 Au	thorization No. <u>N</u> Expiration Date <u></u>	//A		
4. Ider	Address tification of System F	REACTOR WATER CLE	ANUP (SYSTI	EM 33)		•	
		on Code ASME III			, none C	ode Case	
• • •	• •	Section XI Utilized for Re	•		. '83 ADD		
6. Ide	ntification of Compor	ents Repaired or Replace	d and Replacem	ent Components			•
NAME OF	NAME OF	Manufacturer's	National Board	OTHER	Year Built	Repaired Replaced, or Replacement	ASMI Code · Stam
COMPONENT	MANUFACTURER	SERIAL No.	No.	IDENTIFICATION	Built	Replacement	or
Iv-33-02R	'ANCHOR/ DARLING	E31371-1-2	. N/A	CLASS 1	1984	REPLACEMENT	No
.,							-
			ž.				<u> </u>
			<u> </u>				<u> </u>
7. Des	cription of Work: <u>Disa</u> 7.0, 97-00946-00.	ssembled valve due to fail	lure of LLRT. I	nstalled new discs	in accordan	co with ASME work p	lan.
							,
8. Tes	ts Conducted:			•		•	
	Hydrostatic □ Pneu	natic 🗆 Nominal Operati	ng Pressure 🗆	Test Procedure:	N1-IST-LK	101	
	Other D Pressure	c <u>1044.6</u> Test T	emp22	<u>6</u> •F			
11 in	(2) information i	eets in form of lists, sk in items 1 through 6 c er of sheets is recorder	on this report	is included on e	sed, provid ach sheet,	led (1) size is 8 ½ i and (3) each shee	n. x et is

`=

9. Remarks: This replacement was not the result of an inservice failure. Replaced valve discs (Cert. No. C-92-0157 HT.No. H6014 S/N 3 & S/N 4). Performed VT-2 examination in conjunction with N1-IST-LK101. (Reference NDE Report No. 1-2.01-97-0136).

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 Date Tolk Designee, Title Date Tolk 19 97
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>2119197</u> to <u>2128197</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.
Jon Dalus Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date7/28,19 <u>97</u>

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Niagara Mohawk Power Corporation Date __3/24/95 Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address Unit ____1__ 2. Plant ____Nine_Mile_Point Ravtheon Wo# 94-01952-04 & 05 P.O. Box 63 Lycoming, New York 1309 Repair Organization P.O. No., Job No., etc. Address Type Code Symbol Stamp ____N/A 3. Work Performed By Raytheon Engineer and Construction Authorization No. ___N/A Expiration Date _____N/A___ Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 4. Identification of System System 33 (RX CLN-UP) 5. (a) Applicable Construction Code ASA B31.1 19.55 Edition, None Addenda, None, Code Case None (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.83. S83 6. Identification of Components Repaired or Replaced and Replacement Components ASHE Code Repaired National Year Replaced, or Stamped -NAME OF MANUFACTURER'S Board OTHER NAME OF SERIAL No. Built Replacement (Yes OMPONENT No. **IDENTIFICATION MANUFACTURER** or No 1969 Repaired 33 RX.CLN-M.W.Kellogg N/A N/A Class 1 Piping N/A System 7. Description of Work Removed indications at weld 33-04 SW-001 per DER 1-95-0442 and ASME repair plan. W.O. 94-01952-04 and 05. 8. Tests · Conducted: N/A

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

Hydrostatic □ Pneumatic □ Hominal Operating Pressure □ Test Procedure: _____

__ Test Temp.



Other D

Pressure __

UP

9. Remarks: This is the result of an ISI examination failure and is considered service induced. The rejectable indication was ground to an acceptable size and documented on NDE Report No. 1-3.00-95-0156.

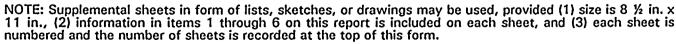
Pursuant to IWA 1400 (g), testing (IWA-5000) is the responsibility of the owner, and has not been delegated to Raytheon.

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 <u>None</u>
Certificate of Authorization No None Expiration Date None
Signed Let Mayafur for IcAldrich, Untl Maintenance Mgr Date July 25 . 1996
CERTIFICATE OF INSERVICE INSPECTION
l, 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</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>7125196</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.
Lynn 10 angles Commissions N138496 NY 2812
Inspector's Signature Commissions NB 8 4-96 NY 2812 National Board, State, Province, and Endorsements
Date7/25,19 <u>96</u>

(12/82)

NOTE: See DER 1-96-1751 for cause of re-generation of this NIS-2.

1. Own	1. Owner <u>Niagara Mohawk Power Corporation</u> Name				997		
-	Nine Mile Point P.	O. Box 63 Lycoming	N.Y. 13093	Sheet1_	of	1	
2. Plan	t <u>Nine Mile Po</u> Name	pint		Unit1			
<u>P.O.</u>	Box 63 Lycoming Address	r. New York 13093		Mech. Maint. V		, 97-01028-02 , Job No., etc.	
		Niagara Mohawk Pow Name O. Box 63 Lycoming N		Type Code Symbol : Authorization No Expiration Date	-		
4. Ident5. (a) A(b) A	Addres ification of System pplicable Construc pplicable Edition o	s n <u>Rx WATER CLEAN</u> ction Code <u>ASA B31.</u> f Section XI Utilized f	N-UP (SYSTE 1 19 <u>55</u> For Repairs or)	_	denda, N/A		
NAME OF DAPONENT	NAME OF MANUFACTURER	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASM Cod Stamp (Yes or
33-A3	M.W. KELLOGG	, NA	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	No
*							
						-	
	1					<u></u>	<u> </u>
existing	eription of Work I house steel, Work v 41 disposition.	Fabricated and installed was completed in accord	I 2 new angle dance with AS	iron supports which inc ME work plan, W.O. 9	eludes u-bolts. 7-01028-02. D	Supports were welded DC 1800159A and DI	_to ∃R —
8. Tests	: Conducted:						
ŀ	•	umatic 🗆 Nominal Op	•		: NONE		
	Other D Pressu	re Test Ter	mp	_oF			
NOTE:	Supplemental sl	neets in form of lists	s, sketches, o	or drawings may be	used, provide each sheet.	d (1) size is 8 ½ in. and (3) each sheet	. x is





9. Remarks: This replacement was not the result of an inservice failure. Installed u-bolt (Cert. No. C-94-0444), angle iron (Cert. No. C-95-1166 HT.No. J7265), weld filler material E7018 3/32" (Cert. No. C-96-0214 HT.No. 76970).

Reference QIR No. 1-97-0238 for weld inspections. Performed VT-3 examination to reestablished baseline.

Reference NDE Report No. 1-2.01-97-0125.

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 Som Soft Mind Mundager Date 7.22, 19 47 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 <u>NEW YORK</u> and employed by <u>ARKWRIGHT</u> of
. MASSACHUSETTS have inspected the components described in this Owner's Report during the period
3/24/47 to 7/23/47 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 Daylerson Commissions NB 8486 NY 2812
June D Auderson Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23 ,1997

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

As Required by the Provisions of the ASME Code Section XI

2. 0	Name	wk Power Corporation	Dat	- <u>Maicii 40, 177/</u>			•
	Nine Mile Point P	.O. Box 63 Lycoming N. Address	Y. 13093 S	Sheetof	1	<u> </u>	
2. Plar	nt <u>Nine Mile P</u> Name	oint	Unit	1			
_P.O	. Box 63 Lycoming Addres	z. New York 13093 s		<u>lech. Maint. Work O</u> epair Organization P	<u>rder No. 9</u> .0. No., J	7-01100-00 lob No., etc.	
3. Wo	rk Performed By _	Niagara Mohawk Power	•	Code Symbol Stamp_			
	Nine Mile Point P. Addres	O. Box 63 Lycoming N.Y	7. 13093 Autho	rization No. <u>N/A</u> Expiration Date <u>N/A</u>			
		Rx WATER CLEAN-L					
(b) A	applicable Edition o	ction Code <u>ASA B31.1</u> of Section XI Utilized for	Repairs or Replacen	nents 19 <u>83, Sum. '83</u>		le Case	
6. Ide	ntification of Comp	onents Repaired or Repla	ced and Replacemen	t Components		•	
NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No)
33-H1	M.W. KELLOGG	N/A	N/A	CLASS 1 Section of System	1969	REPAIR	No
 				<u> </u>			

7. Desc 01100-0	ription of Work Rep	mired indications in weld	area by removal of r	netal per ASME Work	Plan and	Work Order No. 9	97 <u>-</u>
						-	
8. Tests	Conducted:						
				est Procedure: NONE			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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: Repair indications in weld area by removal of metal. Indications were addressed in DER 1-97-0881. This repair was not the result of an inservice failure, indications are from original welding. No base metal removed.

Inspection per NDE Report No. 1-3.00-97-0177.

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>repair</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 Struct Managery Date 7-2), 19 97 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 <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>7/27/47</u> to 7/23/47 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 NBS 496 NY 2812 National Board, State, Province, and Endorsements
Date7/2-3 ,19 97

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

As Required by the Provisions of the ASME Code Section XI

1. Owne	er <u>Niagara Mohay</u> Name	vk Power Corporation	De	to <u>March 20, 1997</u>	 		
1	***	O. Box 63 Lycoming N.Y. Address	13093	Sheet1	_of		
2. Plant	Nine Mile Po Name	int	Unit _	1	.,,		
<u>.P.O.</u>	Box 63 Lycoming Address	. New York 13093		Mech. Maint. Worl Repair Organizatio			•
4. Ident 5. (a) A (b) A	line Mile Point P.C. Addres ification of System pplicable Construc pplicable Edition o	Ningara Mohawk Power Contains D. Box 63 Lycoming N.Y. Society Control Rod I Stion Code ASA B31.1 F Section XI Utilized for Replace	13093 Authoriz DRIVE 1955 Eacopairs or Replace	lition, None Adden	Ada,N/A_	. Code Case	•
Me of Conent	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	other identification	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes, or No
RD 34-31	General Electric	A5517	. N/A	NC02 CLASS 1	1982	REPLACEMENT	Yes
•							
- 8. Tests	Work Plan in Work Conducted: Iydrostatic Pne	eplace Control Rod Drive verk Order 96-03854-00 at co	ing Pressure []	Test Procedure:_N			per —

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

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. A5517 replaced by serial no. 71-434. VT-2 per NDE Report No. 1-2.01-97-0136.

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 SIG SIGNED FOR SOME DESIGNED, Title Certificate of Authorization No None Expiration Date None Maint. MGR. Unit-1 Date 7/31 , 19 97
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 2/13/97 to 7/31/97, 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.
Jon D Onless Commissions NB 8 4 96 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/3/,1997

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

	er <u>Niagara Moha</u> Nam	wk Power Corpore	ation .	Date _/	April 29,	1997	
	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y. 1	3093 She	eet	of	1
2. Plant	Nine Mile I Na	Point		Unit1	· · · · · · · · · · · · · · · · · · ·		
<u>P.O.</u>		ng. New York 130)93			int. Work Order No.	
1	Nine Mile Point P	Niagara Mohawk Name 2.O. Box 63 Lycor ress	ning N.Y. 1	Authori:	zation Ne piration	ol Stamp <u>N/A</u> . N/A Date <u>N/A</u> . REACTOR VENT &	
(b) A	pplicable Edition	of Section XI Util	B31.1 · ized for Rep	VALVE (SYSTEM 1955 Edition airs or Replacement and Replacement Co	n <u>, None</u> ts 19 <u>83,</u>		de Case
E 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
-WD- -FB :	General Electric	N/A	N/A	NR02 CLASS 1	1969	REPLACEMENT	Yes
,			,				
			<u> </u>		<u> </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.



9. Remarks: This was not a service failure. Bolting replaced as part of preventive maintenance. Replaced 2 ea. studs heat no. 8097296 / heat code E5 and 4 ea. nuts heat no. 8878888 / heat code D6. PSI for bolting per VT-1 NDE report no. 1-2.01-97-0137. VT-2 per NDE Report No. 1-2.01-97-0136.

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 HAINTENANCE - UL Date 7/29 , 19 97 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 4/24/47 to 7/30/47, 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.
Zym O arder Commissions NB 8 496 N 7 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date7 30_,19 <u>47</u>

NAM

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

As Required by the Provisions of the ASME Code Section XI

1. Ow	ner Niagara Moha	wk Power Corporation		Date March 28 199	7		
20 0	Name			Ziiio <u>Imii vii Zvi X</u>	<u> </u>		
•	Nine Mile Point P	O. Box 63 Lycoming N. Address	Y. 13093	Sheet1	of	1	
2. Plan	t <u>Nine Mile Po</u> Name	pint	Uni	t1			
<u>P.O</u>	. Box 63 Lycoming Address	. New York 13093	·····	Mech. Maint. Wor Repair Organization	rk Order N	lo. 96-00609-00	
3. Wor	k Performed By	Niagara Mohawk Power	Corp. I	ype Code Symbol Star	mp <u>N/A</u>		
	Nine Mile Point P. Addres	Name O. Box 63 Lycoming N. s	Y. 13093 '	Authorization No. <u>N/</u> Expiration Date <u>N</u>	A /A		
5. (a) A (b) A	Applicable Construc Applicable Edition	Shutdown Cooling & Faction Code ASA B31.1 of Section XI Utilized for onents Repaired or Replaced	1955 r Repairs or Rep	Edition, N/A Adder			
AME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
38-HS-02	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 1	1969	REPLACEMENT	No
							· ····································
					<u> </u>		
8. Tests	Conducted:	built Hydraulic Snubber u MMP-GEN-350. umatic □ Nominal Opera				ork Order No. 96-006	<u> </u>
	Other D Pressu	re Test Temp.	oF				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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: Rebuilt hydraulic snubber using replacement parts; plugs and lenz tee. Plugs and lenz tee per P.O. No. 97-13392-002 and Cert No. C-97-0319. This was not a service induced failure. Replaced during rebuild of snubber. VT 3/4 per NDE Report No. 1-2.01-97-0083.

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 7.21, 19 97 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 3113197 to 7/23/97, 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.
Tynn Darlum Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

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

As Required by the Provisions of the ASME Code Section XI

•	_	. Box 63 Lycoming N.Y. Address		Sheet1		•	
2. Plan	t <u>Nine Mile Poin</u> Name	<u>t</u>	Unit _	1	•	 .	
<u>P.O.</u>	. Box 63 Lycoming. 1 Address	New York 13093		Mech. Maint. Worl Repair Organizatio			
4. Iden 5. (a) A	Nine Mile Point P.O. Address tification of System_E Applicable Construction Applicable Edition of S	iagara Mohawk Power Co Name Box 63 Lycoming N.Y. MERGENCY CONDEN on Code ASME III Section XI Utilized for Re nents Repaired or Replace	Automotion 13093 ISER (SYSTE 1986 Edition 1986 Edit	on <u>, N/A</u> Addenda ements 19 <u>83, Sum.</u>	A A , none (Code Case	
Æ OF PONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASI Cod Stan (Yes
/-39-03	ATTWOOD MORRILL	1-16358-03	Ņ/A	CLASS 1	1984	REPLACEMENT .	No
	<u> </u>						
•		1.					
				 			

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



Remarks: This replacement was not the result of an inservice failure. Replaced studs (Cert. No. C-97-0414) and nuts (Cert. No. C-97-0415). Performed VT-1 examination on new studs and nuts installed (Reference NDE Report No. 1-2.01-97-0121). Performed VT-2 examination in conjunction with N1-IST-LK101. (Reference NDE Report No. 1-2.01-97-0136.

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
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 3/14/17 to 7/23/17, 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 NB 8496 NY 2812 National Board, State, Province, and Endorsements
Date 7/23,19 <u>97</u>

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

As Required by the Provisions of the ASME Code Section XI

		Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	1	
2. Plan	t <u>Nine Mile Point</u> Name	<u> </u>	Unit _	1			
<u>P.O.</u>	Box 63 Lycoming, N Address	New York 13093 	* ·	<u>Mech. Maint. Word</u> Repair Organizatio			•
4. Ident 5. (a) A (b) A	Nine Mile Point P.O. Address tification of System E Applicable Construction Applicable Edition of S	agara Mohawk Power Control Box 63 Lycoming N.Y. MERGENCY CONDEN on Code ASME III Section XI Utilized for Recents Repaired or Replace	Au SER (SYSTE 1986 Edition Epairs or Replace	on <u>, N/A</u> Addenda ements 19 <u>83, Sum.</u>	'A	Code Cașe	
ME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes'
PONENT				1			or No
PONENT V-39-04	ATTWOOD	2-16358-03	N/A	CLASS 1	1984	REPLACEMENT	No
3	ATTWOOD MORRILL	2-16358-03	N/A	CLASS 1	1984	REPLACEMENT	
3		2-16358-03	N/A	CLASS 1	1984		
3		2-16358-03	N/A	CLASS 1	1984		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % 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. Performed weld buildup of disc stop. Weld filler material used was ER-316 (Cert. No.2B-1649, HT.No.D5007L316) Performed liquid penetrant examination of weld buildup area (Reference NDE Report No. 1-3.00-97-0113). Performed VT-2 examination in conjunction with N1-IST-LK101. (Reference NDE Report No.1-2.01-97-0136).

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 ALGALL TOR S. DOTY, MGR MAINT - UI Date 7/29, 19 97 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 3/20/47, 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.
June D. Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7 (20 ,1997

1	Nina Mila Point P O	Name Box 63 Lycoming N.)	7. 13093	Sheet1_	of	1	
		ddress		(
2. Plant	Nine Mile Point Name		Ur	iit1			
.P.O.	Box 63 Lycoming, N Address	ew York 13093		<u>Mech. Maint.</u> W Repair Organizat	ork Order	No. 97-01520-01 No., Job No., etc.	
3. Work	Performed By <u>Nia</u>	gara Mohawk Power (Name	•	Type Code Symbol S	-		
N	line Mile Point P.O. I Address	Box 63 Lycoming N.Y	13093	Authorization No1 Expiration Date	N/A N/A		
	ification of System_C(DRE SPRAY (SYST)					
(b) A ₁	oplicable Edition of Se	n Code <u>ASA B31.1</u> ection XI Utilized for l nts Repaired or Replac	Repairs or Rep	placements 19 <u>83. Sur</u>			
ME OF PONENT	NAME OF MANUFACTURER	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe '(Yes .
K1	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO
• •					,		
					<u> </u>		-
	<u> </u>	<u> </u>	<u>.</u>	<u> </u>	<u> </u>	•	<u> </u>
7. Descr 1-97-11		l weep holes in accords	unce with ASN	/E work plan, W.O.	97-01520-0	01. DDC 1800185 and	DER
1-27-11	71						
· 8. Tests	Conducted:						
H	lydrostatic Pneuma	ntic Nominal Opera	ting Pressure	☐ Test Procedure:	None	<u>-</u>	
	Other D Pressure	Test Temp.	۰	म			

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. Drilled weep holes in support 40-A1. Performed VT-3 examination to reestablish baseline. Reference NDE Report No. 1-2.01-97-0135.

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</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>4/24/9</u> to <u>7/23/97</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.
Zynn Varlusm Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

2. Plan	tNine Mile	Address Point		` Unit1	ı	· :	
21 7 144		me ·		Omt		•	•
<u>P:O</u>		ng, New York 130 ress	,)93 ·	<u>P.</u> Repai	O. No. r Organi	15404 · zation P.O. No., Job N	o., etc.
3. Wor	k Performed By_	Niagara Mohawk	Power Con		-	ool Stamp N/A	
		P.O. Box 63 Lycor	ning N.Y. 1	3093 Authori Ex	zation No piration	o. N/A Date N/A	
4. Iden	••••		D DRIVE N	MECHANISM (CRI	OM)		
5. (a) A	Applicable Constru	uction Code ASME	SECT VIII	.Div. 1 19 <u>62</u> Editio	n, Winte	r '63 Addenda, 1270-N	Code (
	•		_	airs or Replacement Co			
O. Idel	· · · ·	ponents Repaired (r Kepiaced	and Replacement Co	mponen	is ·	· · · · · ·
NAME OF OMPONENT	NAME OF. MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired . Replaced, or Replacement	ASME Code Stamp (Yes or No
NC02	GENERAL ELECTRIC	71-341	N/A	CRDM Class 1	1967	REPLACEMENT	Yes
				t			,
7. Desc	ription of Work	Replace CRDM ebuilding. Work i	cylinder tube performed pe	e and flange assember ASME Work Pla	oly and on and Go	one (1) ring flange cap eneral Electric Traveler	screw o
8. Tests	S Conducted:		•				-
	Hydrostatic 🗆 P	neumatic 🗆 Nom	inal Operatir	ng Pressure 🗆 Te	st Proc	edure: NONE	
	Other D Pre	essure	Test Temp.	oF			



9. Remarks: Replaced CRDM cylinder tube and flange assembly and one (1) ring flange capscrew. Serial number for replacement cylinder tube and flange is A8875. Ring flange capscrew heat number is 86599 and the trace number is 14F. Code reconciliation for replacement parts per NMPC P.O. No. 95-15404-003. Not a service failure, replacement performed during maintenance. Reference General Electric NCR No. 15404-004, components would not fit properly during reassembly. CRDM will be pressure tested when installed.

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 7-12, 1997 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 10/16/195 to 7/24/17, 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.
Lynn 10 Cerlius Commissions NB 8 496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
,
Date

- 2. Plar	nt <u>Nine Mile</u>	P.O. Box 63 Lyco Address				of	
2		ime		Omt	<u></u>		
<u>P.C</u>		ng, New York 130 ress	093	P. Repai	O. No. r Organi	<u>15404 [.]</u> zation P.O. No., Job N	
3. Wo	rk Performed By	Niagara Mohawk	Power Con			ool Stamp <u>N/A</u>	
		Name P.O. Box 63 Lycor	ning N.Y. 1	3093 Authori Ex	zation N	o. N/A Date N/A	·
4. Iden	•	dress m <u>CONTROL</u> RO	D DRIVE N	MECHANISM (CRI	_		
(b) A	Applicable Edition	of Section XI Util	ized for Rep	<u>,Div. 1</u> 19 <u>62</u> Edition airs or Replacement Control	s 19 <u>83</u> ,		1 Code (
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
NC02	GENERAL ELECTRIC	71-494	N/A	CRDM Class 1	1967	REPLACEMENT	, Yes
•							
		,					
7. Des	cription of Work performed per AS	Replace CRDM c ME Work Plan and	ylinder tube General Ele	and flange assemblectric Traveler CRI	y during 0-01.	performance of CRDI	M rebuild
8. Test	s Conducted:		•				
•	Hydrostatic P	neumatic Nom	inal Operatin	ng Pressure 🗆 Te	st Proce	edure: NONE	
	, Other D Pre	essure	Fect Temp	o F			



9. Remarks: Replaced CRDM cylinder tube and flange assembly. Serial number for replacement cylinder tube and flange is A8846. Code reconciliation for replacement parts per NMPC P.O. No. 95-15404-003. Not a service failure, replacement performed during maintenance. Reference General Electric NCR No. 15404-002 for dents in cylinder tube and flange assembly. CRDM will be pressure tested when installed.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 10/16/15 to 7/24/197, 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.
June Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

3	Nine Mile Point	P.O. Box 63 Lyco	ming N V	13003 Sh	eet	<u>1</u> of	1
	Nine wife Folia	Address	uning 14. 1	13093 311			_1
2. Plan	t <u>Nine Mile</u> . Na	Point	· · · · · · · · · · · · · · · · · · ·	Unit _1	<u> </u>		
<u>P.O.</u>		ng, New York 130	093	P. Penai	O. No.	15404 zation P.O. No., Job N	o etc
3. Worl	****	Niagara Mohawk	Power Corr			ool Stamp N/A	
		Name	,	Authori	zation N	o. N/A	
		P.O. Box 63 Lycor dress	ning N.Y. I	3093 Ex	piration	Date N/A	
	-			MECHANISM (CRI		 	
						er '63 Addenda, 1270-N	1 Code C
				airs or Replacement and Replacement Co			•
	,		1			···	
NAME OF OMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
NC02	GENERAL ELECTRIC	71-614	N/A	CRDM Class 1	1967	REPLACEMENT	Yes
				· · · · · · · · · · · · · · · · · · ·			
			н	-			
	I		<u> </u>		I		<u> </u>
7. Desc Work p	eription of Work erformed per AS	Replace CRDM c ME Work Plan and	ylinder tube I General El	and flange assemblectric Traveler CRI	y during 0-01.	performance of CRD	M rebuild
	1	•					
8. Tests	Conducted:	•					
1	Hydrostatic 🗆 P	neumatic 🗆 Nom	inal Operatir	ng Pressure 🗆 Te	st Proc	edure: NONE	
	Other D Pro	essure	Test Temp	oF			

9. Remarks: Replaced CRDM cylinder tube and flange assembly. Serial number for replacement cylinder tube and flange is A8842. Code reconciliation for replacement parts per NMPC P.O. No. 95-15404-003. Not a service failure, replacement performed during maintenance. CRDM will be pressure tested when installed.

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 Duner or Owner's Designee, Title Date 7.23 , 19 97
•
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 to 7/24-197, 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.
Lynn Darlus Commissions NB 8 496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements Date $\frac{7/24}{1997}$

***	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	13093 Sh	eet	of	1
2. Plant				Unit1			
3. World 4. Ident 5. (a) A (b) A	Box 63 Lycomic Add Add Add Add Add Add Add Add Add Ad	of Section XI Util	ning N.Y. 1 DL ROD DR B31.1 ized for Rep	Repai p. Type Co 3093 Authori Ex	r Organi ode Syml zation N piration n, None is 19 83,		lo., etc.
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
D 02-	General Electric	71-625	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
						,	
per ASN	ription of Work) ME Work Plan in Conducted:	Replace Control Ro Work Order 96-0	od Drive with 4364-00 at c	n rebuilt spare as pa ore location 02-27.	rt of pre	ventive maintenance. R	Replaced C
			•		st Proce	dure: <u>N1-IST-LK-101</u>	_

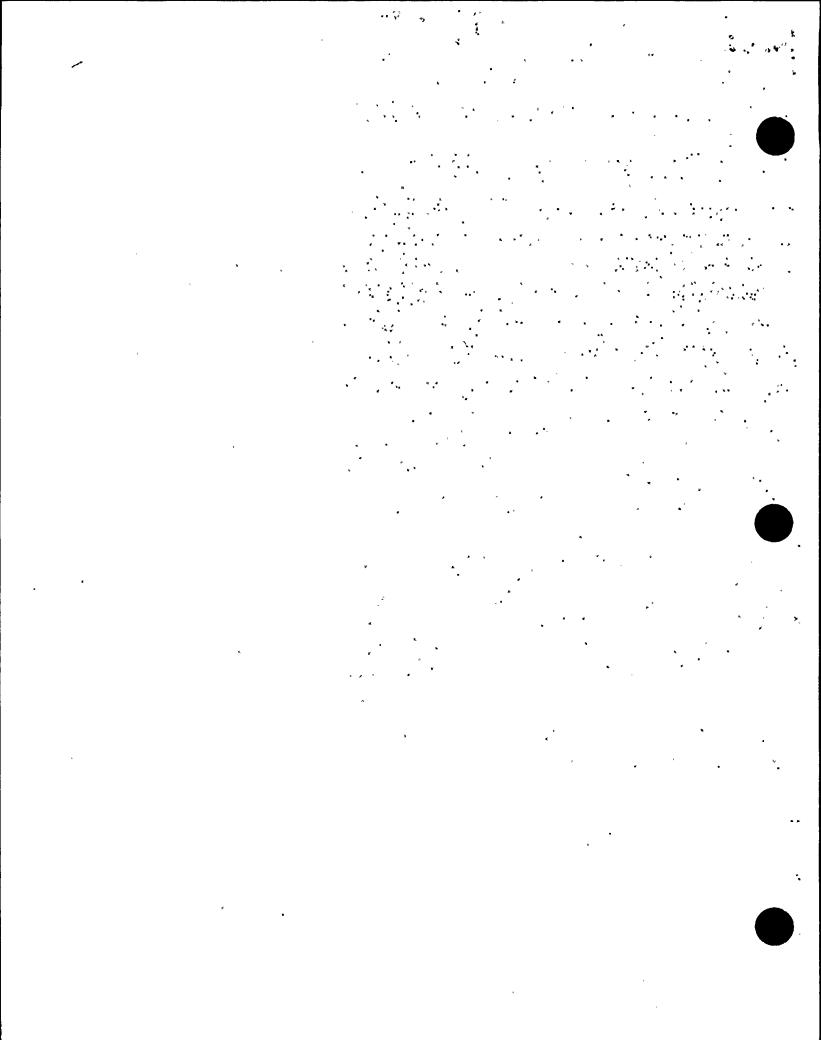
x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



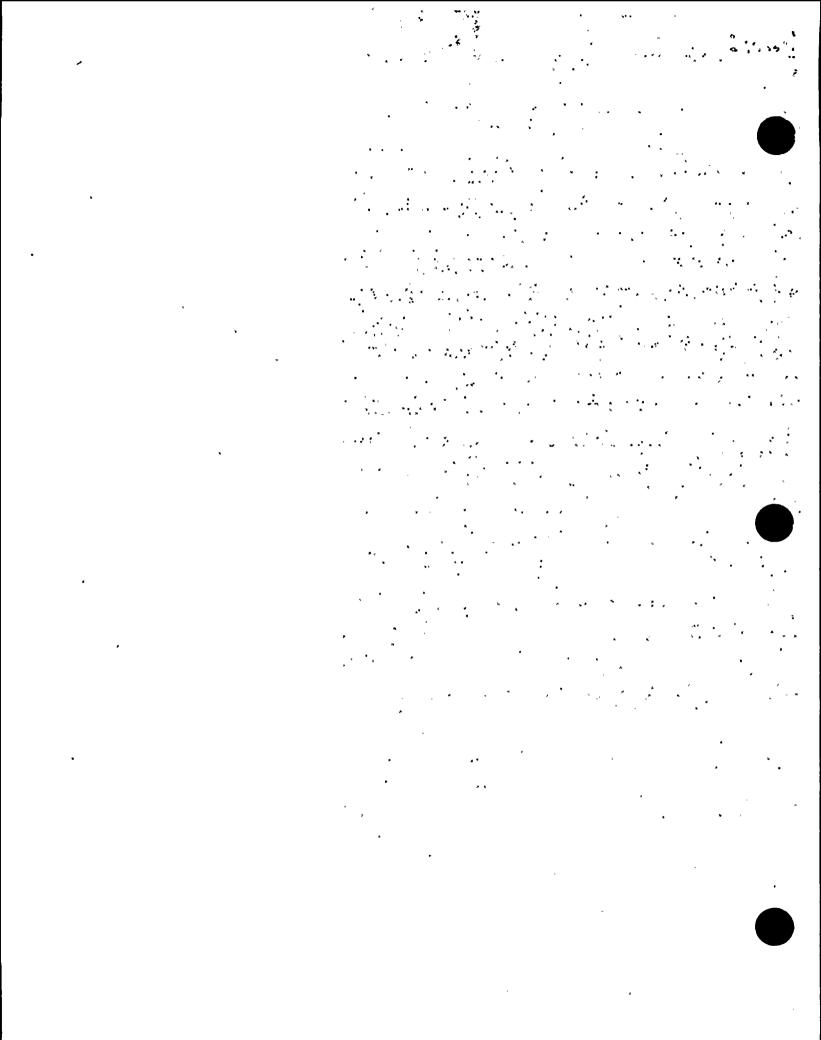
9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-625 replaced by serial no. A4365. VT-2 per NDE Report No. 1-2.01-97-0136.

CERTIFICATE We certify that the statements made in the repor rules of the ASME Code, Section XI.	OF COMPLIANCE t 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	Manage Date 7.71, 19 97
	•
CERTIFICATE OF IN	SERVICE INSPECTION
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of <u>NEW YORK MASSACHUSETTS</u> have inspected the components of <u>J115146</u> to <u>7/23/47</u> , and state that to the best of examinations and taken corrective measures described in of the ASME Code, Section XI.	and employed byARKWRIGHT of lescribed in this Owner's Report during the period
By signing this certificate neither the Inspector nor his concerning the examinations and corrective measures des Inspector nor his employer shall be liable in any manner any kind arising from or connected with this inspection.	cribed in this Owner's Report. Furthermore, neither the
Zm Dales Commissions 1	108496 NY 2812
	ational Board, State, Province, and Endorsements
Date 7/23,19 <u>97</u>	

	PORMACENETIC CERTIFICATE HOLDERS; DATA REPORT FOR SUCCESS AND ASSURTENANCES
	As required by the Provision of the ASME Code Rules, Section 111, Div. 1
ان	Sell: Vaietial
	The water trees of the contract of the contrac
(ج	1. (a) Manufactured by General' Electric-Company; Casela Hayne Rd. T. Wilmington, MoCo J House
	(b) Hearfactured for Gelieral'officerie Company Francione, Cay T(MEBC) dnio
••••	LA 119 (filest and address of H Constitute bei consolided miclose compagedd in 1214 (a) rebap H
	and of the contract of the con
	Tetragrano
	(a) Constructed According to Drawing No. 10ABSO/LOUIS Drawing Prepared by (d)
	(by Description of Past Ispected Bair Control Rod Drive Hodel #78DB144CG005 best atiod , stavorest 11
	1971 N'72 1361-2 1
	(c). Applicable ASHE Code: Section III. Edition.
. <u>dl-1</u>	Standard part for use with Reactor. Hydrostatically tested at 1820 pai.
, २ ६.	Design pressure! Champion new seeneques nisiting policopress be notifyinganh letell) ? at (emp. of
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-	as 9 and 10 to be completed for tube sections:
	Tube Sheeren Stationery, Meterial Dia Dia Integness Inc Attachment [Welded, Bolled]
	(Single Special State of Special Speci
	To carrie the the recences making this recence are this worse new countries of the Code
	We carrify the the statements made in this report are correct and this vessel part or apparentance as delined in the Code forms on the rales of construction of the ASME Code Section III and the Co
	case Holder, for, apparture acts in reportable for furnishing a separate Design Specification and Street Report, if the appartments included in the component Design Specification and Street Report if the component Design Specification and Street Report 2221 to a remain or to report to the component Design Specification and Street Report 2221 to a remain or to report to the component Design Specification and Street Report 2221 to a remain or to report to the component Design Specification and the component Design Specifi
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i.	Dece dis 6/16ni 19.3182 gio ni GE , SHEPD 20 ce ensbirt By Christianus
	(INPY Cortificate Helder) (Pallis of Earlies) Lead, 1996 at both 3.
()	Certificate of Authorization Experience June 16, 19848 Certificate of Authorization No. NFT N-1151
!	
_	CERTIFICATION OF DESIGN-FOR-APPURTENANCE (When applicable)
	GENERAL ÉLECTRIC CO., SAN JOSE, CALIFORNIA - de 11914 (A., abash
(*26	GENERAL ELECTRIC CO., "SAN JOSE", CALIFORNIA
	Stress saalysis report on file at:
	Design poscifications certified by : B.: N. Sridhar . Prof. Eng. Sesse Calif Reg. No. 18345
	(1)
die	Scress enalysis report certified by B. N. Sridhar Prof. Eng. Scate Calif Reg. No. 18345
ż,	
	CERTIFICATE OF SHOP INSPECTION
	יים פרושי יים יום במתפוליכה יי לון בשברות הפרוב בחים בשנים ומיום בשנים ב
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector and/or the State or Province of North Carolina; and employed by Department of Labor.
	of State of North Carolina have inspected the part of a pressure vessel described in the
b.	Partial Data Residence 1998 1998 1998 1998 1998 1998 1998 199
•	and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concern
-	ing the part-described-in-this-Partial Data Report. Furthermore, neither the Inspector nor his employed shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connects
	with this inspection.
	SUPPLEMENT
	Date
	14. J. J. PAWC1766 OUIN
	Merri Comissions National Bears, Note, Province and No.



24.5	ell: Maerial		Thickness	in Allowance	—iw., Die (ı i.i. bur Ağ parınb:	n ek -	h.
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FORM N-2 NPT CERTURICATE BOLDBURY DATA REPORT FOR NUCLEAR PART AND APPURTENANCES As required by the Provision of the ASME Code Rules, Section III. Div. 1

General Electric Co., Castle Hoyne Rd., Wilmington, M.C.

General Blactric Co. San Jose, Ca., (OEBC)

365 Hart 84. Ha.

761E387G008 Dessing Prepared by

Control Rod Drive, Model, 7RDB144CC005

(c) Applicable ASME Code: Section III. Editor 1971 Assertation W172 Care No. 1361-2016

Standard part for use with Reactor . Hydrostatically tested at 1820 psi

Cap 167A2343P1 (16742343) SA182-P304 3/8 thick x 1 1/16 00

Indicator Tube 104B1336P03 SA312-TP316% 3/4 sch 40-semless pipe 0.113 wall thickness 1.065 mx. dia.

3. Plus 159A1176P1 SA182-F304 1/4 thick x 0.812 00

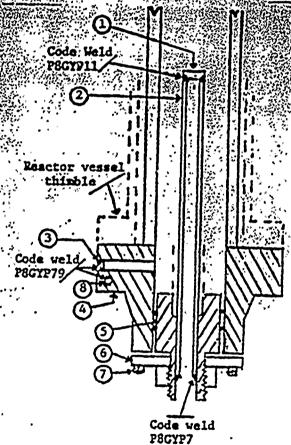
Flange 919D610F1 (719E474) SA182-F304 3.37 thick x 9 5/8 0D neck 1.1/16 thick x 5.0 00 2.875 · ID

Head 129B3539P03 SA182-F304 7/8 thick x 2.875 Dia.

6. Ring Flange 114B5122P2 SA182-F304 1" thick x 5.0 00 x 1.75 ID

7. Cap Screw 117C4516P2 SA193-B6 · 6 ea. 1/2 dia. on 4. 1/8 bolt circle

8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia



Rolled before weld

1

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Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 2. Plant Nine Mile Point Name P.O. Box 63 Lycoming. New York 13093 Address Mech. Maint. Work Order No. 96-94365-00 Repair Organization P.O. No., Job No., etc. 3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp. N/A Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 4. Identification of System CRD CONTROL ROD DRIVE 5. (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 19 83. Sum. 83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components National National Repaired Code RENT HANUFACTURER'S BOARD NATIONAL OTHER Year Replaced, or Replaced, or Replacement Replacement (Yea: Or No.) 102-31 General 71-556 N/A NC02 CLASS 1 1967 REPLACEMENT Yes Electric	1. Own	er <u>Niagara Mohav</u> Name	wk Power Corporation		Date <u>March 21, 1997</u>	•	· · · · · · · · · · · · · · · · · · ·	
Name P.O. Box 63 Lycoming, New York 13093 Address Mech. Maint. Work Order No. 96-04365-00 Repair Organization P.O. No., Job No., etc. 3. Work Performed By Niagara Mohawk Power Corp. Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A Expiration Date N/A Address 4. Identification of System CRD CONTROL ROD DRIVE 5. (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 19 83. Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components National No. National Repaired Replaced, or Stampe National Replacement Replaced, or Stampe National Replacement Replaced, or Stampe National Replacement Replacement Replacement Replacement Replacement Replacement Replacement Replacement Year	<u>.</u>	Nine Mile Point P.		.Y. 13093	Sheet1	of	1	
Address Repair Organization P.O. No., Job No., etc. 3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A Expiration Date N/A Address 4. Identification of System CRD CONTROL ROD DRIVE 5. (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 19 83. Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components National Repaired Code Code Stampe Repaired Code Code Code Code Stampe Replaced, or Stampe Replaced, or Replacement OF NAME OF MANUFACTURER'S Board OTHER Year Replacement No. IDENTIFICATION Built Replacement OF No.	2. Plant		int	Uni	:			
Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A Expiration Date N/A Address 4. Identification of System CRD CONTROL ROD DRIVE 5. (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 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components National Board OTHER Year Replaced, or Stampe No. IDENTIFICATION Built Replacement (Yea: or No	.P.O.							•••
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5. (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 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components National Repaired Code Code NAME OF MANUFACTURER'S Board OTHER Year Replaced, or Stampe (Yes: OF MANUFACTURER SERIAL NO. No. IDENTIFICATION Built Replacement (Yes: OF NO. O2-31 General 71-556 N/A NCO2 CLASS 1 1967 REPLACEMENT Yes		Addres	O. Box 63 Lycoming N. s	Y. 13093	ization No. <u>N/A</u> Expiration Date <u>N</u>	//A	•	
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	02-31		71-556	. N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 $\frac{1}{2}$ in. $\frac{1}{2}$ 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.

Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: N1-IST-LK-101

Pressure 1044.6 PSIG Test Temp. 226 Deg.



8. Tests Conducted:

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Replaced two (2) flange capscrews due to worn allenhead, heat Code MI for capscrews. VT-1 for ISI per NDE Report No. 1-2.01-97-0091 for capscrews removed and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for replacement capscrews (2ea.). CRD exchanged as part of preventive maintenance. Serial No. 71-556 replaced by serial no. A4755. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

CERTIFICATE OF COMPLIANCE

ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed Jel6 Suleu Fa SDOTY, HANAGOZ NAINT-UL Date 7/29, 19 97
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 11 15 46 to 7 30 97, 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.
Zym Dalez Commissions NOB 496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

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	Company and Compan
	(h) Mediformed (a) General Electric Company (San Jose; Ca; (NEEG)
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	(a) Constructed According to Deswing No. 761E387G008 Deswing Propiled by sandaudto Pata Falling and
	(N) Description of Participant Control Rod Drive Hodel #7RDB144CC005
	Cher Sheening beiegged being wenter and Cher Sheening
814.5	(c) Applicable ASHE Code: Section III, Edition
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2000	We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code configuration that the Code configuration is a statement of the code configuration and the code configuration in the code configuration in the code configuration in the code configuration in the code code code code code code code cod
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3.7	included in the component Design Specification and Street Reports);
×3.	Date 1/13 19 82 Stand GRa-NEED-LOW-QA
ii	T.S. PATE PLACE TO.S. Thickness
	Certificate of Authorization Expires June 16, 1984 (Certificate of Authorization No.
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
<u></u>	***** C 16 KEHEDAL-ELEKTOTA CO. CAN JOSE ' CAI TENDATA .
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· ¢ · · · ·	
	·· CERTIFICATE OF SHOP INSPECTION
• • •	1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
	and/or the State or Province of North Carolina and employed by Department of Labor
••••	- of State of North Carolina have isspected the part of a pressure vessel described in this Partial Data Report on
	and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, seither the Inspector nor his employer makes say warranty, expressed or implied, concern-
- •	ing the part described in this Partial Data Report, Purthermore, 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.
	Dec 20 7/13 10 82 10 702 DA WIC1766 OHEN FLEMEN
	N.C. 723, PA.WC1766, OHIOU I LLIVILIVI
	Inspector's Signature Commissions National Board, Note, Province and Ho.
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,	(10/77) This form (E00040) may be obtained from the Order Dept., ASME, 346 E, 47th St., New York, N.Y. 10017

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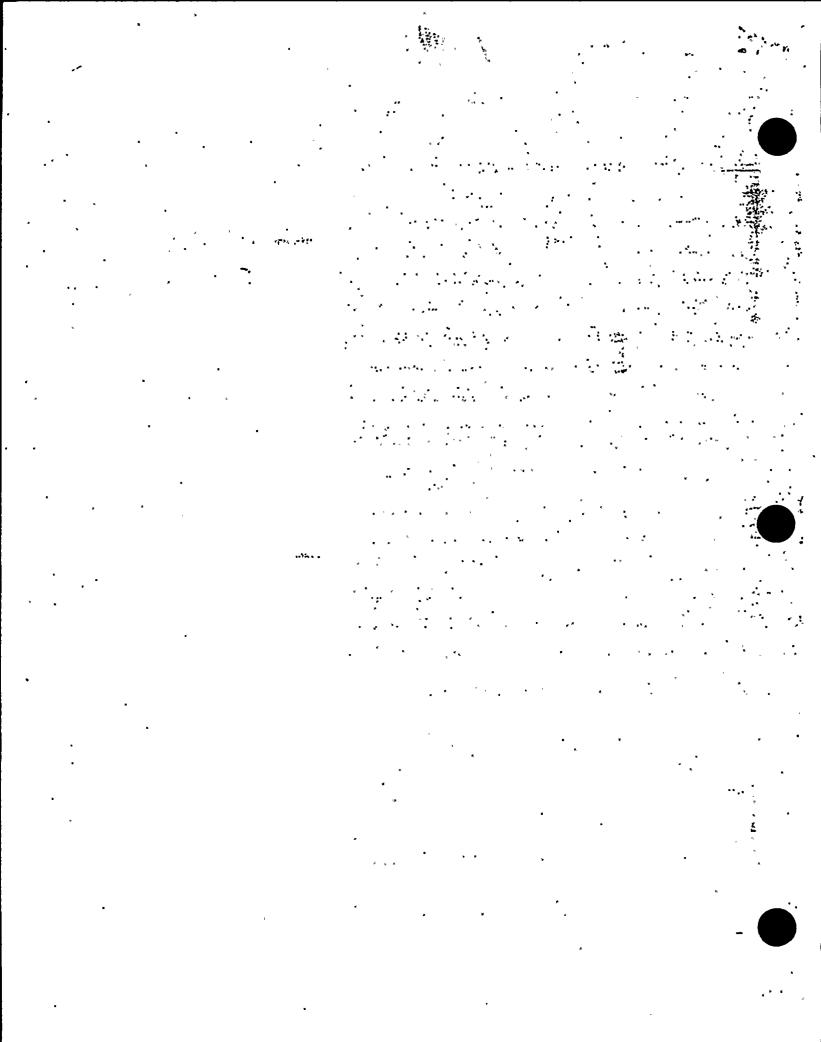
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Dr.L. Paterson.

Control Drive Sode 1, 7808144CC005

(c) Applicate Assistance States III / March 197 | Case No. 1361-2014

Standard part for present head for Hydrostatically tested at 1820 pai.

Cap 167A23A3P1 (167A2343) SA182-P304 3/8 thick x 1 1/16 00

2. Indicator Tube 104B1336P03
SA312-TP316
3/A;sch 40-semlese pipe0:113;wall thickness
1:065 max-dia

3. Plug-159A1176P1 SA182-F304 1/4 thick:x 0.812 00

4. Flange 919D610F1 (719F474)

SA182-F304

3.37 thick x 9 5/8 0D

neck 1 1/16 thick x 5.0 0D

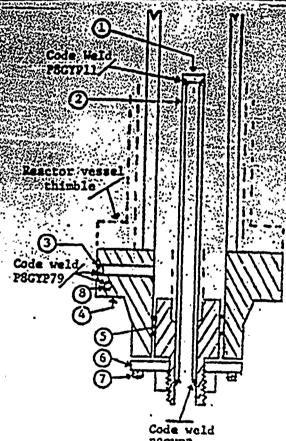
2.875 ID

5. Head 129B3539P03 .SA182-F304 7/8 thick x 2.875 Dia.

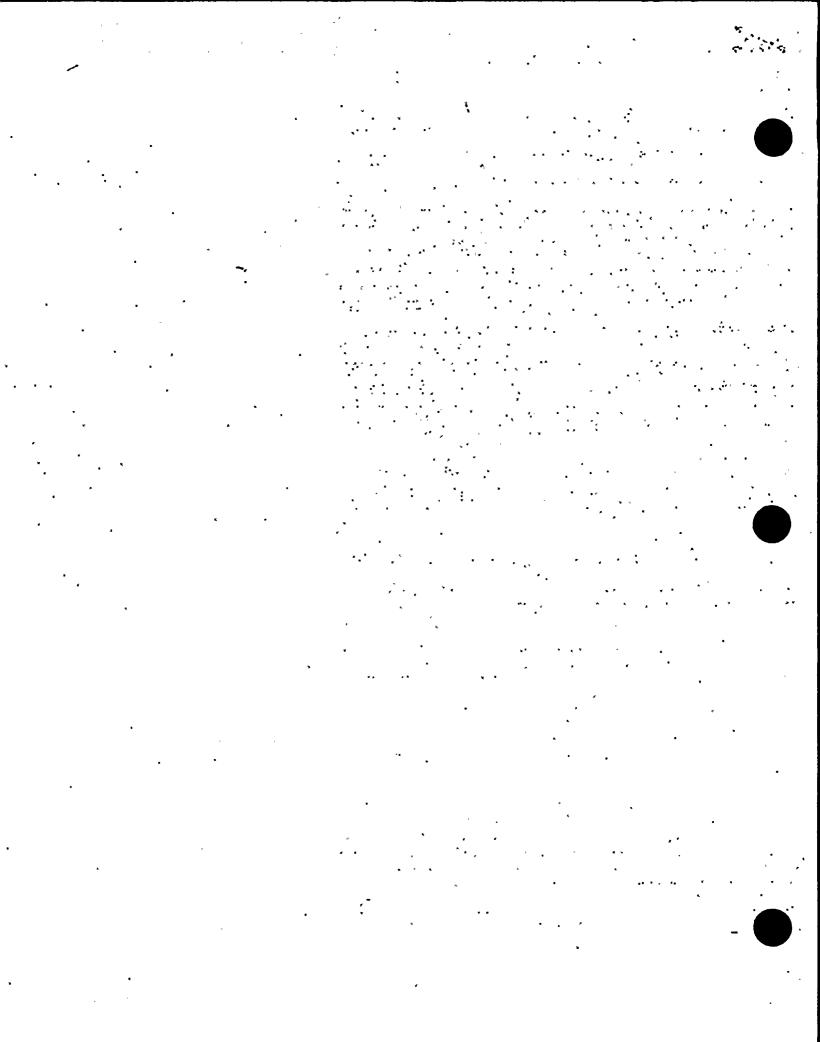
.6. Ring Flange 11485122P2 . SA182-F304 . 1" thick x 5.0 OD x 1.75 ID

7. Cap Screw 117C4516P2
SA193-B6
6 ea.1/2 dia. on 4 1/8 bolt circle

8. Plug 175A7961P1 · SA182-F304 0.38 thick x 1.307 dia.



PSGYP7
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COMPONENT MANUFACTURED CORPORATION OF THE PARTY OF THE PA	
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AME OF NAME OF MANUFACTURER'S Board OTHER Year Replaced, or Replacement OD 02- General 71-572 N/A NC02 CLASS 1 1967 REPLACEMENT	lase
	ASME Code Stamped (Yes or No
	Yes
7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replace ASME Work Plan in Work Order 96-04366-00 at core location 02-35. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-LK-101	aced C
Other Pressure 1044.6 PSIG Test Temp. 226 Deg. oF	

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



9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-572 replaced by serial no. A4083. VT-2 per NDE Report No. 1-2.01-97-0136.

CERTIFICATE OF COMPLIANCE

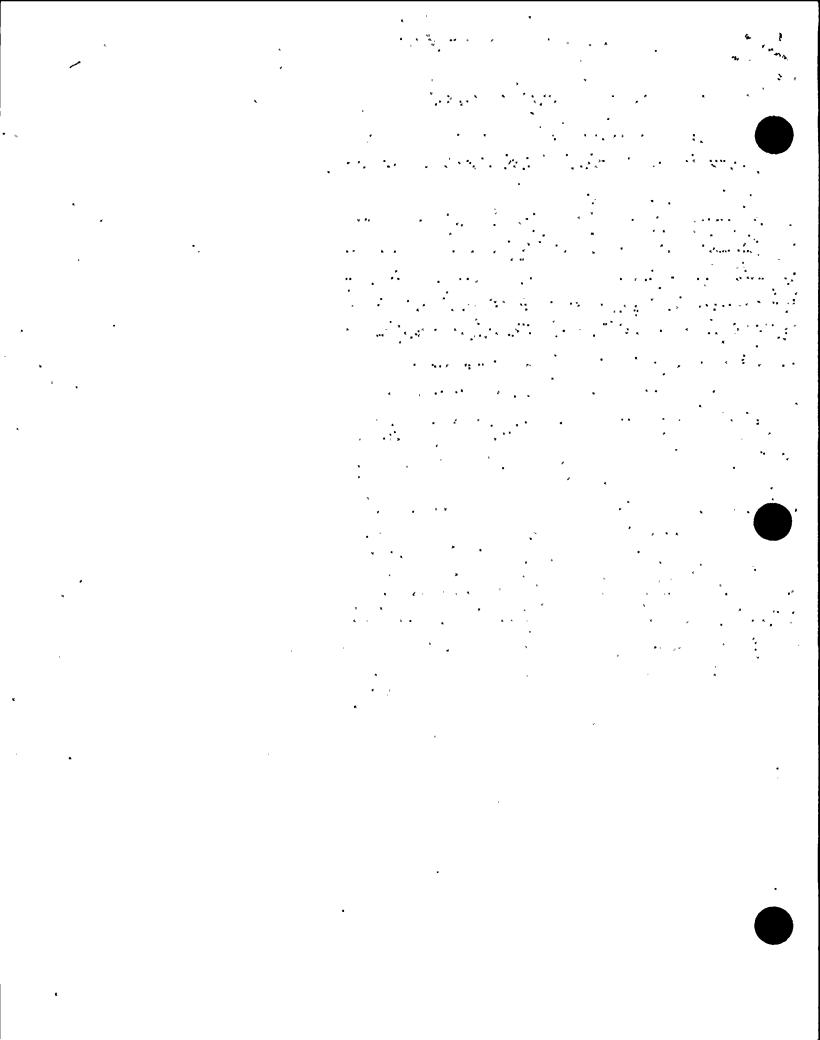
rules of the ASME Code, Section XI.	t are correct and this <u>replacement</u> conforms to the repair or replacement
Type Code Symbol Stamp None	
Certificate of Authorization No None Signed Owner or Owner's Designee, Title	Expiration Date None Manyage Date 7-L1, 19 97
	•
CERTIFICATE OF IN	SERVICE INSPECTION
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of NEW YORK MASSACHUSETTS have inspected the components d 11 15 146 to 7/23/47, and state that to the best o examinations and taken corrective measures described in of the ASME Code, Section XI.	and employed by <u>ARKWRIGHT</u> of escribed in this Owner's Report during the period f my knowledge and belief, the Owner has performed
By signing this certificate neither the Inspector nor his concerning the examinations and corrective measures described Inspector nor his employer shall be liable in any manner any kind arising from or connected with this inspection.	cribed in this Owner's Report. Furthermore, neither the
Lynn 10 Orders Commissions 1	
_	ational Board, State, Province, and Endorsements
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(b) Me	General Electric Company, San Jose, Ca., (NEBG)
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(c)_A	pplicable ASME Code: Section III, Edition , Addenda date , Case No. Class .: jacket Closure and property .:
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FORM N-2 NPT CERTIFICATE MOLDREY DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III. Div. 1

General Alectric Co. Castle Hayne Rd. , Wilmington, M.C.

MATRICIAN LINE AND RESIDENCE OF PAT CHESCOLO MARGET 7's General Klectric Cox San Jose Ca., (NEBG)

Ne.7 84. No.

(a) Constructed According to Descing Ma 761E387G008 Descing Propered by D. L. Peterson

(b) Description of Past laspected Control Rod Drive, Model, 7RDB144CG005

(c) Applicable ASHE Codes Section III; Edition 1971 Address date Nº 72 Care No. 1361-2Class 1

Standard part for use with Reactor. Bydrostatically tested at 1820 psi

Cap 167A2343P1 (167A2343) SA182-F304 3/8 thick x 1 1/16 00

Indicator Tube 104B1336P03 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.

Plug 159A1176P1 SA182-F304-: 1/4 thick x 0.812 00

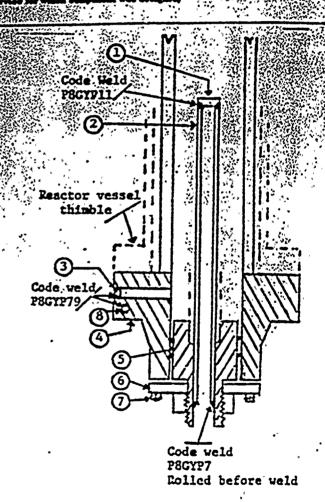
Flange 919D610P1 (719E474) SA182-F304 3.37 thick x 9 5/8 00 neck 1 1/16 thick x 5.0 00 2.875 · ID

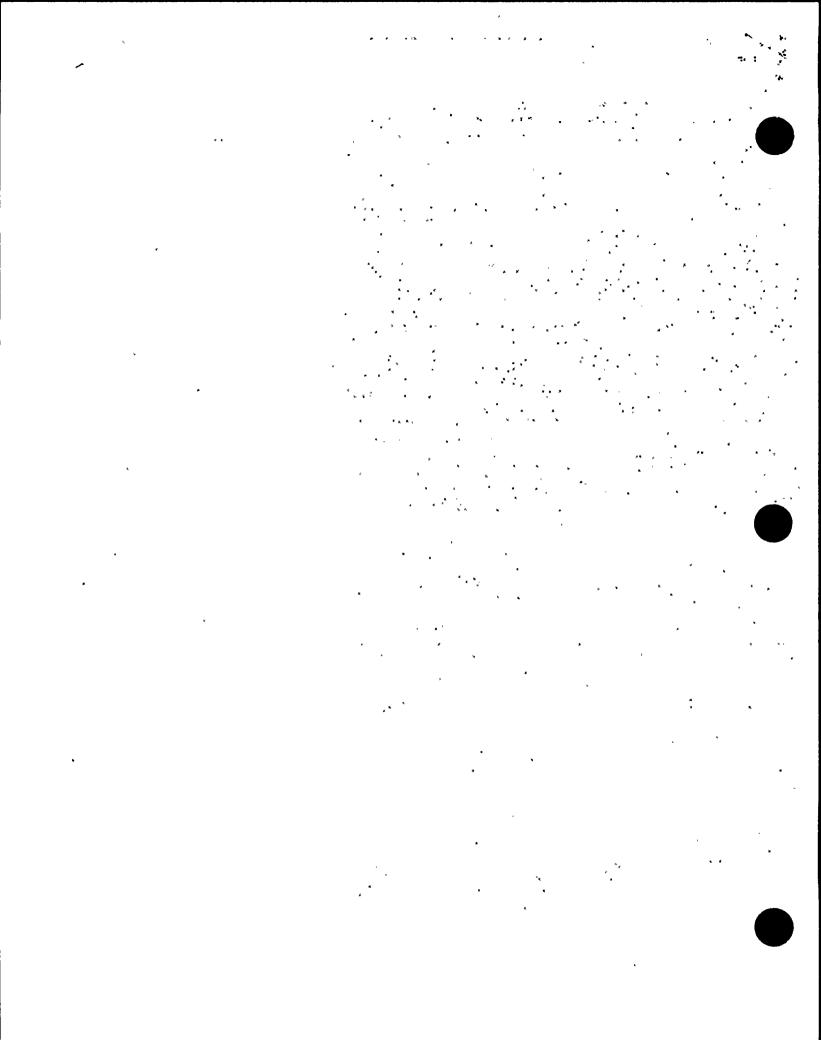
Head 129B3539P03 SA182-F304 7/8 thick x 2.875 Dia.

6. Ring Flange 11485122P2 SA182-F304 1" thick x 5.0 0D x 1.75 ID

7. Cap Screw 117C4516P2! . SA193-86 6 es. 1/2 dis. on 4 1/8 bolt circle

Plug 175A7961P1 SA182-F304(... 0.38 thick x 1.307 dia





1. Own	1. Owner Niagara Mohawk Power Corporation Name			Date _	March 2	1, 1997	<u>.</u>
		P.O. Box 63 Lyco	ming N.Y.	13093 Sh	eet	_1of	1
2. Plant	Nine Mile I	Point		Unit _1	<u> </u>		**
<u>P.O.</u>		ng, New York 130	93			int. Work Order No. zation P.O. No., Job P	
		Niagara Mohawk Name P.O. Box 63 Lycon		Authori	zation No	ool Stamp <u>N/A</u>	
4. Ident 5. (a) A (b) A	Add ification of Syster pplicable Constru pplicable Edition	ress m <u>CRD CONTRO</u> action Code <u>ASA</u> of Section XI Util	L ROD DR B31.1 ized for Rep	IVE	n <u>, None</u> ts 19 <u>83,</u>		de Case
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
D 06- 27	General Electric	71-497	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
		:		,			
7. Desc per ASI	ription of Work <u>I</u> ME Work Plan in	Replace Control Ro Work Order 96-04	d Drive with 4367-00 at c	n rebuilt spare as pa ore location 06-27.	rt of prev	ventive maintenance. I	Replaced CRI
							
	Conducted:				. =		
	Hydrostatic □ Pi Other ≡ ssure <u>1044.6 PSIC</u>	neumatic 🗆 Nomi	•		est Proce	dure: <u>N1-IST-LK-101</u>	_
NOTE:	Supplemental s	heets in form of	lists, sketcl	nes, or drawings r	nay be	used, provided (1) si	ze is 8 ½ 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.



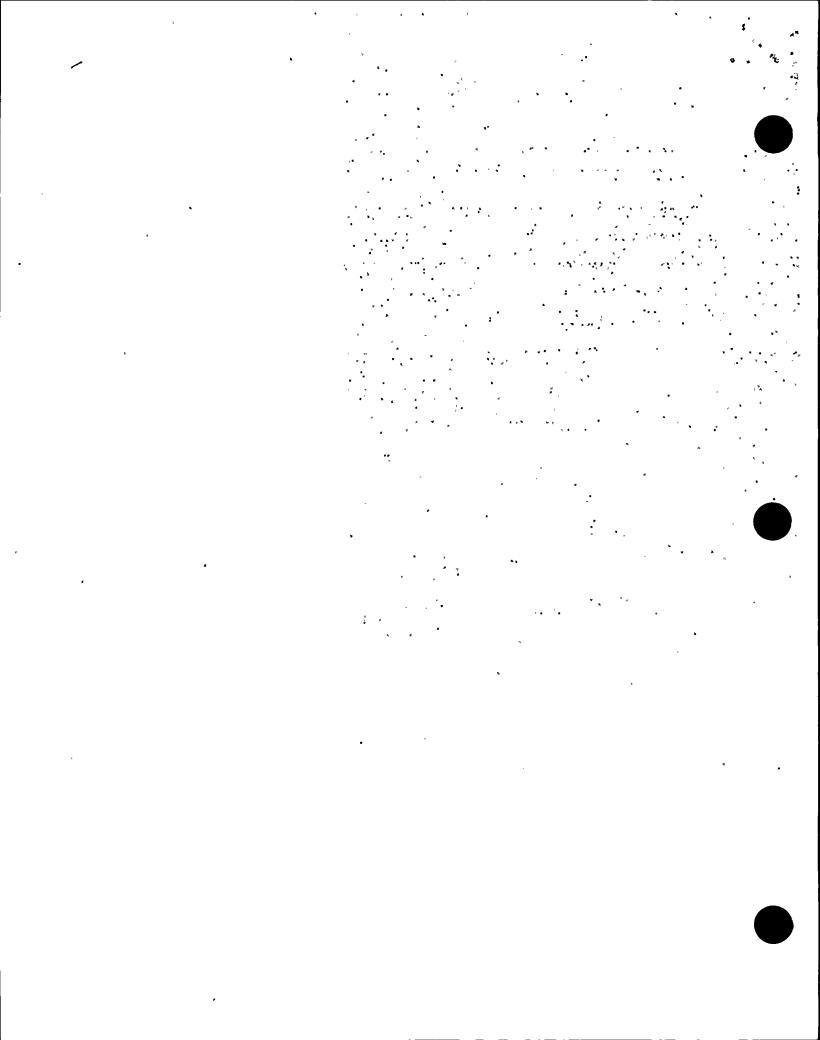
9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-497 replaced by serial no. A4839. VT-2 per NDE Report No. 1-2.01-97-0136.

13

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
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 11115/40 to 7123/47, 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.
Jenn D aslus Commissions N 13 8 496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

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	General Ziectric Company Casele Hayna-Rdv, Wilmington, W. Crit Hawne
	Manufacture Holder's Serial No. 12 Not 12 No. 12 No
	Manufication Cartificate Helder's Serial No. of Part
	(a) Constitute According to Deserting No. 761E387G008 Drawing Property Dr. L. Patersont
	(b) Description of Part Inspected (Control Rod-Drive Model, #73DB144CG005-barn and side one)
	Co. April - M. Agus Color of Fall and 1971 and republished to the Casado 1361-2 color restriction of the Casado 1361-2 color restrictio
100	
	The Cylinder Tube & Flance Dwg. No. 919D258G003 and the Piston Tube Assembly
W6-	Dug. No. 798D228G010 were Hydrostatically tested as individual subassemblies
	Sprion, to Final Control Rod Drive Assembly: Hydrostatically tested at 1825-187
	And the Cheerer Hallotary Varietial College See Holy College to See Holy
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	ome to the released construction of the ASME Code, section Ill.
DATE:	Holder for applications of the positions of the position of th
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	OFT CHILDREN ISSENT
(C)	Certificate of Asthorization Expires June 16, 1986 Certificate of Aythorization No.
	CERTIFICATION OF DESIGN FOR APPERTENANCE (when applicable) Applicable)
in the	Design information on file at .
9	GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
700	"Design specifications certified by 3NSridhar: Prof. Eng. State Calif Reg. Norig345:
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3°	
1420 1420	CERTIFICATE OF SHOP INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
	end/or the State of Province of North-Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this
	** Partial Data Report on 7/13 1982, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance, with the ASME Code Section III.
	Ing the new descriptions neither the Inspector nor his employer makes my warranty, expressed or implied, concern-
	skall be liable in my samer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	7/13 19 .82 N.C. 723, PA.W. 765, 15HO. 13
	Speniates Hanchole 1, 1
	Commissions National Board, State, Prevince and No.
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TORS SECRETARIES SUPPRESENTATION OF THE PROPERTY OF THE PROPER

As required by the novinder action VSSUE Code (ULA) Section (III (S9))

E () Commercial Commer

(a) Constructed According to Dissing No. 7615087G008 Disting Property by D. Lot Paterson

(b) Description of Partiagents | Control | Abd | Drive; | Yode 1 | 7RDB144CC005

(c) Applicate ASAT Company of Plants 21971 4172 Company 1961-2016 1 2016

prior to Final Control Rod Drive Assembly Hydrostatically tested at 1825-197

Cap 167A2363P1 (167A2363) SA182-F204 3/8 thick x 1 1/16 00

Indicator Tube 10481336203 SA312-TF316 3/4(sch 40-seamless pipe 0:113 wait thickness 1:065 mx. dia

3. 21ug 159A117671 SA132-F304

1/4 thick x 0.812 CD

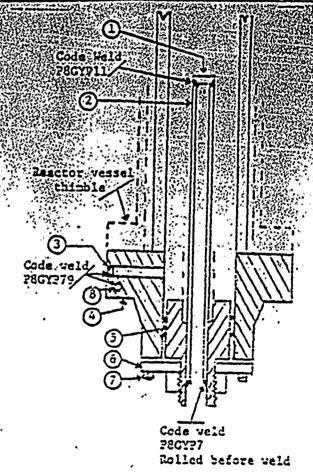
Flange 919D610P1 (719E474) 3.37 thick x 9 5/8 ob. neck 1/1/16 chick x 5.0 OD 2.875 ID

5. Head 12933539P03 SA182-F304 7/8 thick x 2.875 Dia.

6. Ring Flange 1143512272 SA182-F304 1" thick x 5.0 OD x 1.75 ID

7. Cap Screw 1170451672 SA193-36 6 ea 1/2 dia. on 4 1/8 bols circle

Plug 175A796191: SA182-F304% 0.38 chick x 1.307 dia.



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2. Plan	t <u>Nine Mile</u> Na	Point		Unit _1			
<u>P.O</u>		ng, New York 130 ress	093	<u>M</u> Repai	ech. Ma r Organi	int. Work Order No. 9 zation P.O. No., Job N	97-01141 lo., etc.
4. Iden	Nine Mile Point 1 Add tification of Syste	Niagara Mohawk Name P.O. Box 63 Lycor dress m_CRD CONTRO	ning N.Y. 1	Authori Ex	zation N piration	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u> Addenda, <u>N/A</u> Coo	
(b) A	applicable Edition	of Section XI Util	ized for Rep	irs or Replacement Co and Replacement Co	s 19 <u>83,</u>	Sum. '83 ADD.	le Case
name of Omponent	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
CRD 10- 5	General Electric	71-563	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
•							
7. Desc 01141-	cription of Work 00 at core location	Replace Control R 1 10-35.	od Drive fla	nge capscrews (8 ea	a.) per A	SME Work Plan in W	ork Order
8. Test	s Conducted:			ng Pressure 🛭 – Te	_	dure: <u>N1-IST-LK-10</u> 1	

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

9. Remarks: This was not a service failure. Replaced eight (8) flange capscrews heat Code MI. Performed PSI examination VT-1 per NDE Report No. 1-2.01-97-0126. VT-2 per NDE Report No. 1-2.01-97-0136.

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 Det Maint Manages Date 7-22, 19 97 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 7123197 to 7123197, 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 NB 8496 NY 2812 National Board, State, Province, and Endorsements
Date 7/23,19 97

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

As Required by the Provisions of the ASME Code Section XI

	1. Owne	r <u>Niagara Mohay</u> Name	vk Power Corporation	D	ate <u>April 4, 1997</u>	1		
	·	Nine Mile Point P.	O. Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	_1	
	2. Plant	Nine Mile Po Name	int	Unit	1			
٠.	<u>P.O.</u>	Box 63 Lycoming Address	New York 13093	·	Mech. Maint. Work Repair Organization	k Order N n P.O. No	o <u>, 96-03503-00</u> ., Job Ho., etc.	•
		•	Niagara Mohawk Power Co Name D. Box 63 Lycoming N.Y. J s		pe Code Symbol Stan zation No. <u>N/A</u> Expiration Date <u>N/</u>	_		
	5. (a) A ₁ (b) A ₁	pplicable Construc pplicable Edition o	tion Code ASA B31.1 f Section XI Utilized for Reconents Repaired or Replaced	19 <u>55</u> E pairs or Repla	cements 19 <u>83. Sum.</u>			
, NAME		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	14-11	General Electric	A3492	N/A	NC02 CLASS 1	1980	REPLACEMENT	Yes
				<u> </u>				
•	7. Descr 1303.	iption of Work Re	place Control Rod Drive fla	ange capscrew	(1 ea.) at core locatio	n 14-11.	Reference DER No. 1-	<u>-97-</u>
	•	Conducted:	umatic 🗆 Nominal Operati	ng Pressure 🗆	Test Procedure: N	1-ist-lk	-101_	
		Other Prèssi	re <u>1044.6 PSIG</u> Test Tem	p. <u>226 Deg</u>	•F			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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 was not a service failure. Replaced one (1 ea.) flange capscrew heat Code MI. VT-1 for ISI per NDE Report No. 1-2.01-97-0090 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for capscrews (1ea.). VT-2 per NDE Report No. 1-2.01-97-0136. DER No. 1-97-1303 for performing replacement of capscrew without ASME Section XI Workplan and ANII review. Reference DER 1-97-2185.

CERTIFICATE OF COMPLIANCE

repair or replacement

conforms to the rules of the

We certify that the statements made in the report are correct and this replacement

Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed Del Selem por 5.0011, HANDER HANGENANCE Date 729, 1997 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 <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>7/30/47</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.
June Commissions NB8496 NY 28/2 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/30,1997

(12/82)

ASME Code, Section XI.

<u> </u>							
1. Own		wk Power Corpor	ation	Date _	March 2	1, 1997	,
	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	13093 Sh	eet	of	1
2. Plant	Nine Mile I	Point me		Unit1	<u> </u>		
<u>P.O.</u>	Box 63 Lycomir Addr	ng, New York 130 ess)93		ech. Ma r Organi	int. Work Order No. 9 zation P.O. No., Job N	96-04368-00 lo., etc.
	Nine Mile Point F	Niagara Mohawk Name P.O. Box 63 Lycon ress	·-		-	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	· ·
5. (a) A (b) A	pplicable Constru pplicable Edition	of Section XI Util	B31.1 ized for Rep		ts 19 <u>83</u> ,		le Case
ME 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
D 14-	General Electric	71-338	N/A .	NC02 CLASS 1	1967	REPLACEMENT	Yes
•				•			
per ASN	ME Work Plan in	Replace Control Ro Work Order 96-0-	od Drive with 4368-00 at co	n rebuilt spare as pa ore location 14-23.	rt of pre	ventive maintenance. R	Replaced CR
	•		•	ng Pressure Te		dure: <u>N1-IST-LK-101</u>	-
NOTE:	Supplemental s	heets in form of	lists, sketch	nes, or drawings r	may be	used, provided (1) si:	ze is 8 ½ i

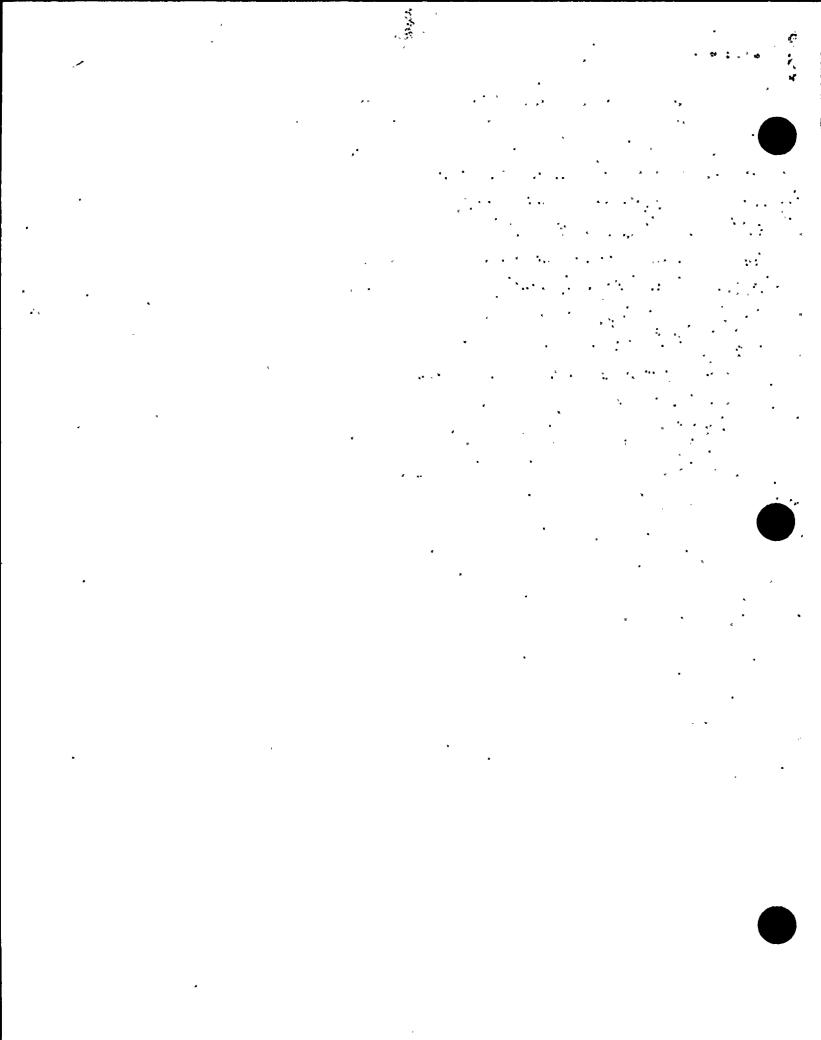
x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-338 replaced by serial no. A4534. VT-2 per NDE Report No. 1-2.01-97-0136.

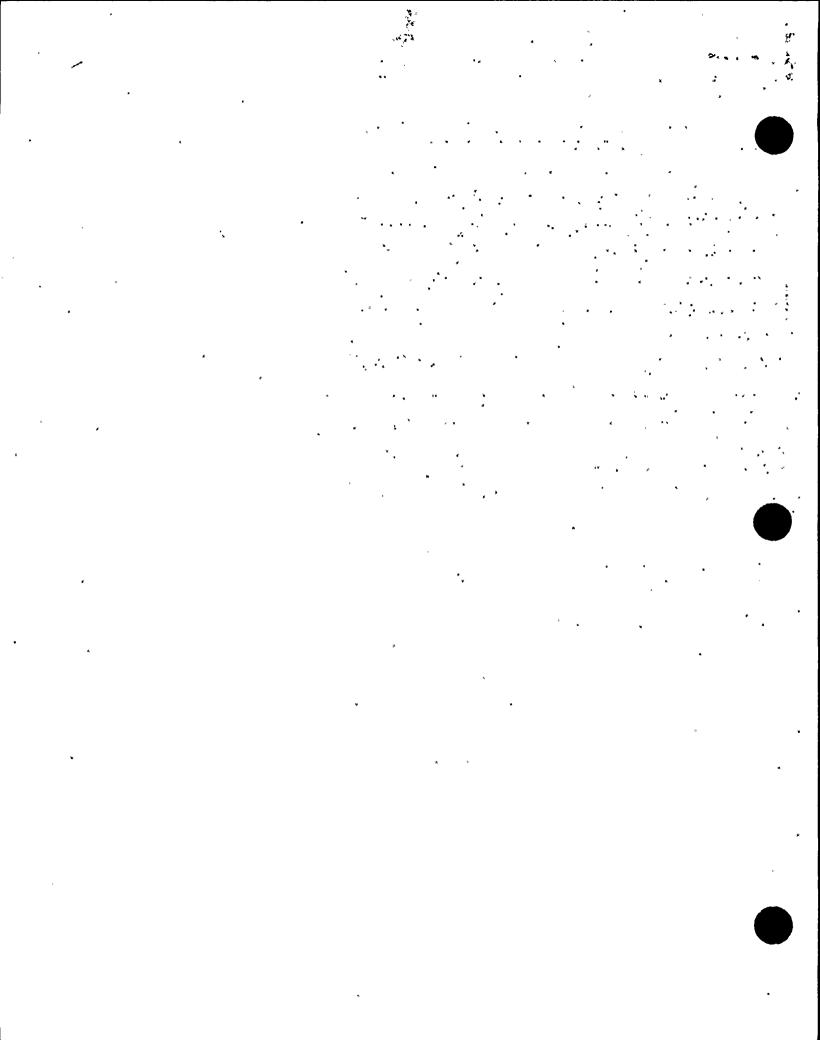
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, 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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period IIIIS to 7/23/47, 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.
Tynn D Order Commissions 1/58496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,19,47

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Certificate of Authorization Expires CERTIFICAT CERTIFICAT CERTIFICAT CONTROL INTERNATION OF HILL SERVICE Stress analysis report on file at 100 mm/s I, the undersigned, holding a value of State of North Car and belief, the NFT Certificate Helder By signing this certificate, seit ing-the-part-described. In this shall be liable in my menser for vick this inspection.	GENERAL ELECTRIC CO. S. S. S. Sridhar B. N. Sridhar CERTIFICATE OF SHOP III commission issued by the National Carolina and employed online have inspects of the Inspects of	Prof. Eng. Scace Callf Reg. No. 18345 NSPECTION NSPECTION No. 1000 Section In 1935 Prof. Eng. Scace Callf Reg. No. 18345 NSPECTION NSP
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# PORM N. 2 NOT CHRISTICATE HOLDERS DATA REPORT FOR NUCLEAR PART AND APPURTUNANCES. AS required by the Provision of the ASMIE Code Rules. Section III. Div. 1

L (a) Manufactured by General Electric Co., Castle Rayne Rd., Wilmington, M.C.

General Electric Co. San Jose Ca. (NEEC)

The state of the s

(a) Communed According to Descript 1/61E387G008

(b) Decision of Past Income. Control Rod Drive Model, 7RDB164CG005

(c) Applicable ASSECTATE Section 1971 1971 1971 C-No. 1361-2011

Standard part for use with Resctor, Bydrostatically tested at 1820 psi.

1. Cap 167A2343P1 (167A2343) SA182-F104 3/8 thick x 1 1/16 0D

Indicator Tube 10481336P03
SA312-TP316
3/4 sch 40-seamless pipe
0.113 vall thickness
1.065 max. dia

3. Plug 159A1176P1 SA182-F204 1/4 thick x 0.812 00

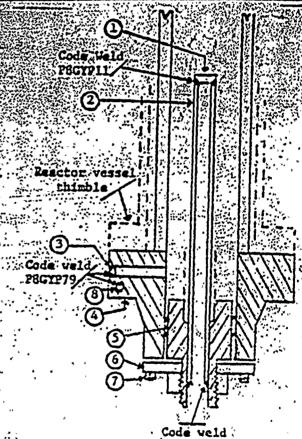
4. Plange 919D610P1 (719E474)
SA182=7304
3.37 thick x 9 5/8 00
neck 1 1/16 thick x 5.0 00
2.875 ID

5- Head 129B3539P03 SA182-F304 7/8 thick x 2.875 Dia.

6. Ring Flange 11485122P2 A.
SA182-F304
1" thick x 5.0 00 x 1.75 10 7

7. Cap Screw 117C4516P2. SA193-36 6 es 1/2 dia. on 4 1/8 bolc circle.

8. Plug 175A7961P1.
SA182-F304
.0.38 thick x 1.307 dia.



PRGYP7 PROSP7 Rolled before weld

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		lame  P.O. Box 63 Lyco  Address	ming N.Y.	13093 Sh	eet	1of	1.
2. Plan	t <u>Nine Mile I</u> Na	Point		Unit	1	<del></del>	— <u></u>
<u>P.O</u>	. Box 63 Lycomir Addı	ng, New York 130 ress	)93	<u>M</u> Repai	<u>lech. Ma</u> ir Organi	int. Work Order No.	96-02662-1 No., etc.
	Nine Mile Point I	Niagara Mohawk Name P.O. Box 63 Lycon Iress		Authori	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date N/A	
5. (a) A (b) A	tification of System Applicable Constru Applicable Edition	m <u>CRD CONTRO</u> uction Code <u>ASA</u> of Section XI Util	B31.1 ized for Rep		ts 19 <u>83</u> ,		de Case
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
ÆD 14- 1	General Electric	A8014	N/A	NC02 CLASS 1	1986	REPLACEMENT	Yes
				•			
7. Desc	ription of Work <u>I</u> ME Work Plan in	Replace Control Ro Work Order 96-02	d Drive with 2662-16 at c	n rebuilt spare as pa ore location 14-31.	rt of prev	ventive maintenance. I	Replaced C
	•	neumatic  Nomi	-			dure: <u>N1-IST-LK-101</u>	_

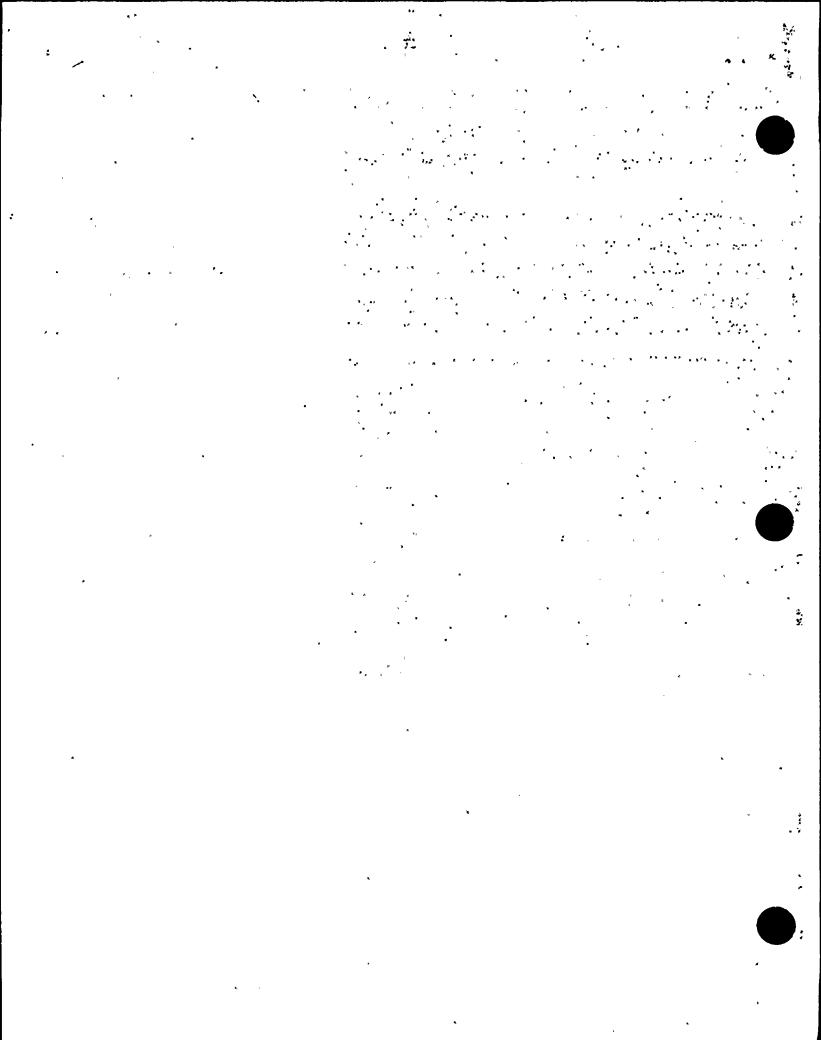
numbered and the number of sheets is recorded at the top of this form.

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. A8014 replaced by serial no. A4355. VT-2 per NDE Report No. 1-2.01-97-0136.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/11/16 to 7/2-3/47, 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.
Zym Daylus Commissions NB 446 NY 2812  Inspector's Signature National Roard State Province and Endercompate
Inspector's Signature National Board, State, Province, and Endorsements  Date

de l	The contract of the second
•	FORM N-2 (beck)
٠.	FORMANT CENTURCATE HOLDERS THATA REPORT FOR MUCE PART AND APPURTENANCES.  As required by the Provision of the ASIE Code Part and Part and Appure Part and But
	Noning of the control
<b>y</b> .	Alejii Valentii.
	1. (a) Manufactured by General Historic Company, TCastle Hayne Rd. T. Wilmington, M.G. 1
>-	(b) Messiscented for Genterallo Klectric-Company J. San Jose, Ca. 1.7(MEBG)
	de Header (a) velerifieren en de la company
	**************************************
	(a) Constitution According to Drawing Ro. Drawing Property by
, ,	(N. Description of Par Inspected and Control Red Drive Model #7RDB144CG005 bars saled aldersons it
	(c) Applicable ASME Coder Sapples III. Edition and Address dog H'72 Case No. 1361-2 Class 1
ં હા-	V-Remain Standard name for use with Reactor. Hydrostatically tested at 1820 psi.
, <del></del> -	. 18. Denign pressure . Optobled new tennennen finleten von berigen bei berigen bei
·	Items 9 and 10 to be completed for tube sections
`	Townshall A
•	(King & Spec. No.) (Supject to pressure)
. <del></del> .	We certify the the statements made in this report are correct and this vessel part or applicable of the distinct in the Code configuration to the release of construction of the ASME Code Section Illinatorial and the NPT Certificate Holder for parts. As NPT Certificate Holder for parts. As NPT Certificate Holder for parts. As NPT Certificate Holder for parts.
, A.	The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An APT Certificate Holder for parts and Application and Stress Report if the applications and Stress Report if the applications and Stress Report in the composition of bright Specifications and Stress Report in the composition of bright Specifications and Stress Report in the composition of bright Specifications and Stress Report in the composition of bright Specifications and Stress Report in the composition of the com
	Dece 11
	Certificate of Authorization Explication Explicated in Lane 16, 1984 c Certificate of Authorization No. NPT N-1151
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) onic
-a-	GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA ELECTRIC CO., SAN JOSE, CALIFORNIA
	Stress enalysis report on file at
	Mariamenta description of the same of the
	12 P. S. Con.
¢ • • •	_Stress sasiysis report certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345
	CERTIFICATE OF SHOP INSPECTION
٠,,,,	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
******	end/or the State of Province of North Carolina and employed by Department of Labor
٠,	Partial Data Report on Service 17/6 182 and state that to the heat of the heat
	By signing this certificate Holder has constructed this part in accordance with the ASME Code Section III.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concernating the part—described in this Partial Data 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.
	Dece 7/6 10 82 SUPPLEMENTED
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	Inspector's State on the State of State
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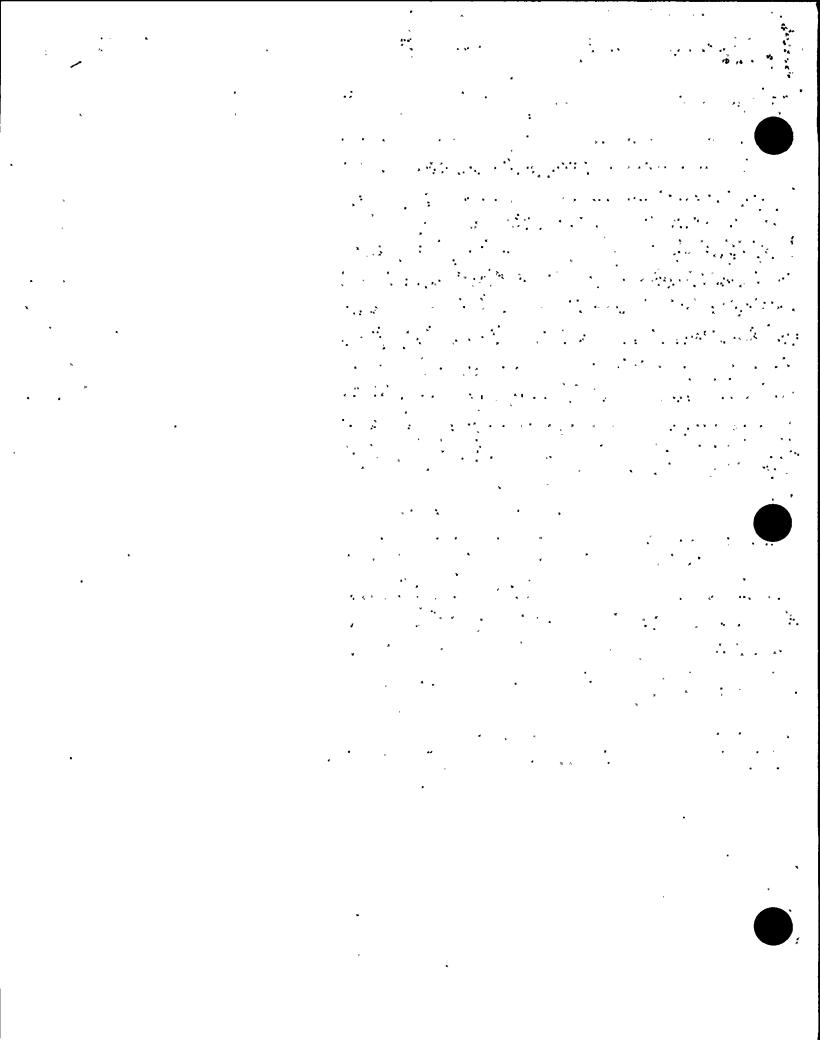
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#### form N-2 NPT CERTIFICATE HOLDERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES As required by the Provision of the ASME Code Rules, Section III. Div. 1

General Electric Co. Castle Hayne Rd., Wilmington, M.C.

General Blactric Co. San Jose, Ca., (NEBG)

(a) Constructed According to Drawing No. 761E387G008 Drawing Property by D. L. Paterson

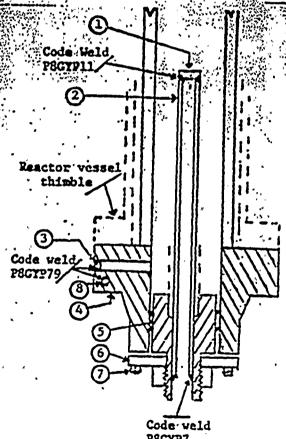
Control Rod Drive, Model, 7RDB144CG005 (b) Description of Past Inspected

1361-2class (c) Applicable ASME Codes Section III. Edition 161971 Addenda dece W172

Standard part for use with Heactor . Hydrostatically tested at 1820 pai.

Cap: 167A2343P1 (167A2343) 3/8 thick x 1 1/16 00

- Indicator Tube 104B1336P03 SA312-TP316 3/4 sch 40-sesniess pipe 0.113 wall thickness 1.065 max. dia:
- 3. Plug 159A1176P1 SA182-F304 1/4 thick x 0.812 OD
- . Flange 919D610P1. (719E474) SA182-F304 3.37 thick  $\times 9.5/8$  OD neck 1 1/16 thick x 5.0 0D 2.875 -ID
- 5. Head 129B3539P03 SA182-F304 7/8 thick x 2.875 Dia.
- 6. Ring Flange 114B5122P2 SA182-F304 1" thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-B6 6 ea.1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia.



PSGYP7 Rolled before weld

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Own	ner <u>Niagara Moh</u>	awk Power Corpor	ation	Date _	March 2	21, 1997	
<u> </u>		P.O. Box 63 Lyco	oming N.Y.	13093 Sh	eet	of	1
2. Plan	t <u>Nine Mile</u> Na	Point me	· · · · · · · · · · · · · · · · · · ·	Unit 🕘	!		<del></del>
<u>P.O</u>	. Box 63 Lycomii Addi	ng, New York 130 ress	093	<u>M</u> Repai	lech. Ma ir Organi	int. Work Order No.	96-04369-0 No., etc.
	Nine Mile Point I	Niagara Mohawk Name P.O. Box 63 Lycor Iress		Authori	zation N	bol Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	Applicable Constru Applicable Edition	of Section XI Util	B31.1 ized for Rep		ts 19 <u>83</u> ,		ode Case
IAME 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
RD 18-	General Electric	71-639	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
				*			
per ASI	ME Work Plan in	Replace Control Ro Work Order 96-04	od <u>Drive with</u>	n rebuilt spare as par ore location 18-31.	rt of prev	ventive maintenance.	Replaced CR
	Conducted:  Hydrostatic  P	neumatic 🔲 Nomi	nal Operatin	ig Pressure □ Te	st Proce	dure: <u>N1-IST-LK-10</u> 1	<u>_</u>
	Other Pres	ssure 1044.6 PSIG	<del>-</del>			<u></u>	<del></del>

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.

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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-639 replaced by serial no. A5645. VT-2 per NDE Report No. 1-2.01-97-0136.

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
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 11115146 to 7/23/47, 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.
Zym 10 Orders Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements
Date

(12/82)

## FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR MUCLEAR PART AND APPURTUNANCES. As required by the Providing of the Assets Code Rules, Section III. Div. 1

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1	CERTIFICATE OF STOP MOTEGION
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t	and/or the State or Province of North Carolina and employed by Department of Labor
ł	of . State of Morth Carolina have inspected the part of a pressure vessel described in thi
	Partial Data Report on 7/20 19 87 and state that to the best of my knowleds
1	and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concern
	ins the part described in this Partial Data Report. Furthermore, neither the inspector nor his employe
}	shall be liable in any masser for any personal injury or property damage or a loss of any kind arising from or connects with this inspection.
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This form (ECCO.cO) may be obtained from the Order Dept., ASME, 346 E. 47th St., New York, N.Y. 10017

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¹ If Postwold Heat-Triviol. ² List other internal or external pressure with coincident tampereture when applicable

Size. Size. Location

Location

_ Attached_

(Where & How)

(Describe)

17. Inspection Manholes, No.

Openings: Handholes, No._

18. Supports: Skirt (Yes or Ne) Lugs

Threaded, No ...

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PORTECTION CONTINUESTS TO RESERVE THE PROPERTY OF A PROPERTY AND A

A Court | A Strategy of the Culti-Court Basis (Scroot) | 10 Dr. A. S.

Command Reserve Co. a Call is daypened will sangton; McC.

General Riscirlo Co (San Jose Car (DEBG)

Name and Constitute States Sta

0) Carrier 10 L. Paterson

Control Rod Drive, Model, 7RDB144CC005

(d) Applicable ASSEC Company Recognition 1971 Value 4-172 Company 1361-20100

Standard part for use with Meschot Stydrostatically tested at 1820 paid

1. Cap:167A2343F1 (167A2343) SA182-F304 3/8 thick x:1-1/16 00

2. Indicator Tube 104B1336P03
SA312-TP316
3/4 sch 40-samless pipe
0:113 wall thickness

1.065 max. dia.

3. Plug 159A1176P1 SA182-F304 1/4 thick x 0.812 0D

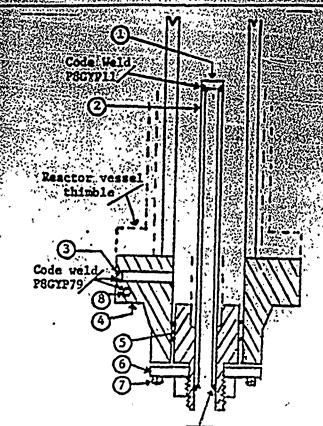
4. Flange 919D610F1 (719EA7A)
SA182-F304
3.37 thick x 9 5/8 00
neck 1 1/16 thick x 5.0 00
2.875 ID

5. Head 129B3539P03 .SA182-F304 7/8 thick x 2.875 Dia.

6. Ring Flange 114B5122P2 SA182-F304 ... 1" thick x 5.0 OD x 1.75 ID

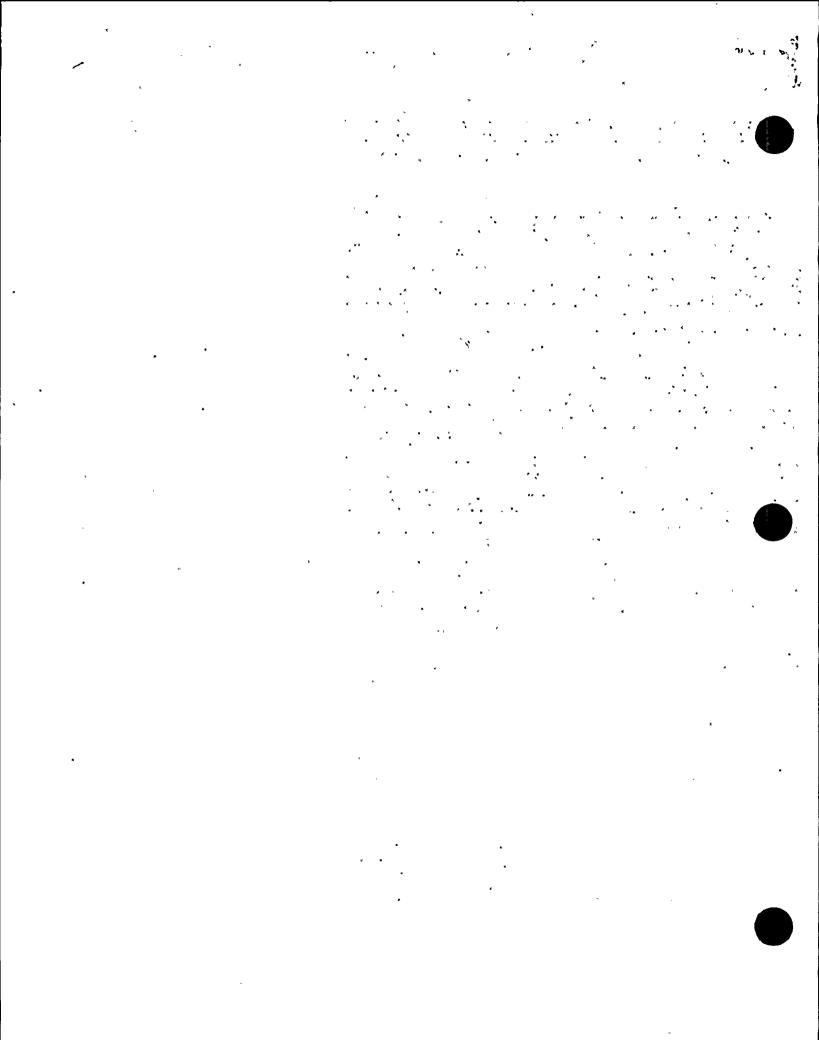
7. Cap Screw 117C4516P2 SA193-B6 6 ea.1/2 dia. on 4 1/8:bolt circle

8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia.



Code weld PSCYP7 Rolled before

Rolled before weld



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

As Required by the Provisions of the ASME Code Section XI

	Nine Mile Point P.	O. Box 63 Lycoming N.Y Address	. 13093	Sheet1	_of	_1	
2. Plant	Nine Mile Po	int	Unit	_1			
.P.O.	Box 63 Lycoming Address	New York 13093		Mech. Maint. Work Repair Organization			
N	line Mile Point P.C Addres	•	13093 Authori	pe Code Symbol Stan zation No. <u>N/A</u> Expiration Date <u>N/</u>	-		
5. (a) A ₁ (b) A ₁	pplicable Construc pplicable Edition o	ction Code ASA B31.1 f Section XI Utilized for Ronents Repaired or Replace	19 <u>55</u> E Repairs or Repla	cements 19 <u>83, Sum.</u>			
e of '	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamp (Yes: or N
D 18-35	General Electric	71-661	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
•					-		
					ľ		

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



(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Replaced one (1) flange capscrew due to worn allenhead, heat Code MI for capscrew.

VT-1 for ISI per NDE Report No. 1-2.01-97-0092 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for capscrew (1ea.). CRD exchanged as part of preventive maintenance. Serial No. 71-661 replaced by serial no. 71-451. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

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. \approx repair or replacement
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed Jol Sula For S-DOTY, MANAGOR MAINT-UI Date 7/29, 19 97 Owner or Owner's Designee, Title
OFFICIALTS OF INCERNICE INCRESTION
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 to 7/30/42, 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.
Zmi Daylusm Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/30,1997

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

*						1, 1997	
	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	13093 Sh	eet	of	1
2. Plant	Nine Mile I Na	Point me		Unit1			
<u>P.O.</u>	Box 63 Lycomir Addr	ig, New York 130 ess	93	<u>M</u> Repai	ech. Ma r Organi	int. Work Order No. 9 zation P.O. No., Job N	96-04370-00
4. Ident 5. (a) A (b) A	Nine Mile Point F Add ification of Syster pplicable Constru pplicable Edition	of Section XI Utili	ning N.Y. 1 L ROD DR B31.1 ized for Rep	3093 Authori Ex	piration None s 19 83,		
IAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Ropaired Roplaced, or Roplacement	ASME Code Stamped (Yes or No
D 18-	General Electric	A8492	N/A	NC02 CLASS 1	1988	REPLACEMENT	Yes
		•					-
8. Tests	AE Work Plan in Conducted: Hydrostatic Pr	Work Order 96-04	1370-00 at c	ore location 18-39.	st Procee	ventive maintenance. R	

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



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. A8492 replaced by serial no. A5043. VT-2 per NDE Report No. 1-2.01-97-0136.

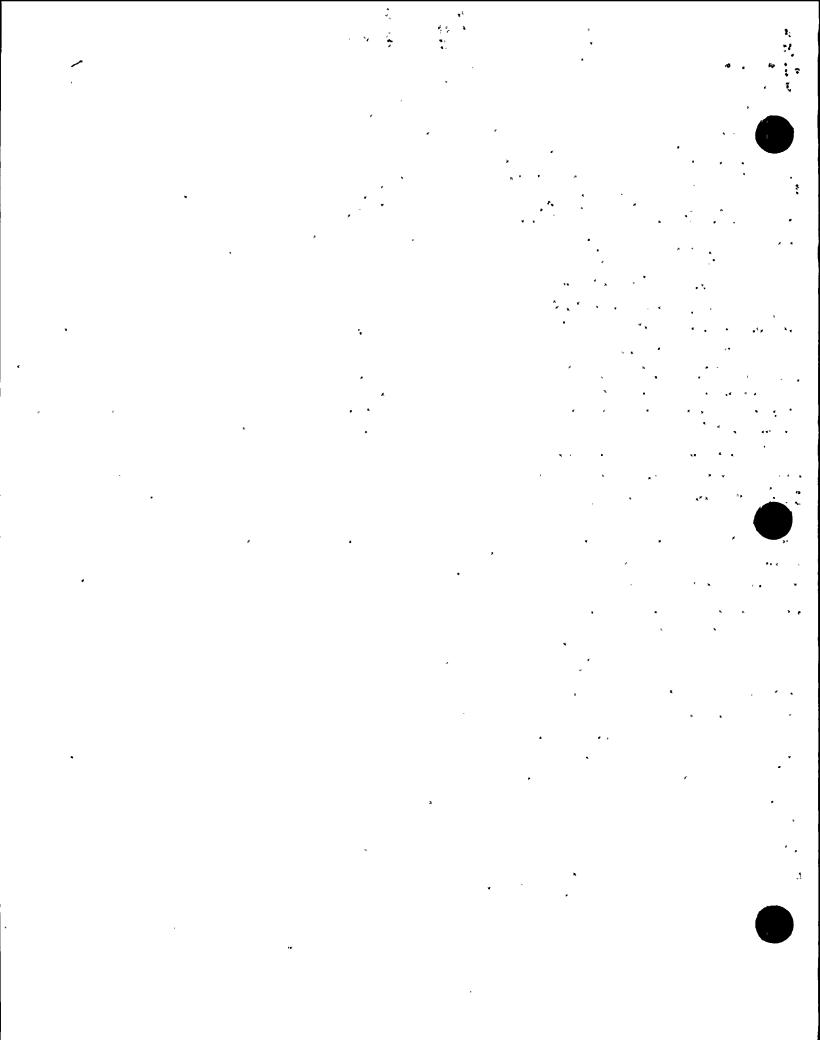
Type Code Symbol Stamp None Expiration Date None
Certificate of Authorization No None Expiration Date None
Signed
`
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>NEW YORK</u> and employed by <u>ARKWRIGHT</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>IIIISIA6</u> to <u>7/23/47</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.
Zym D ardus Commissions A1B 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

(12/82)

27.7	PORM N-2 NOT CERTIFICATE HOLDERS DATA REPORT FCR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. 1
	level lor single wall veryets, jackets of jacketed versels, or shells of heat exchangets, but
	L (a) Manufactures by mi General Electric Company, Castle listing Rd., Rilsington, N.C.
a de la companya de l	(b) Manufactured for General's Electric Company, SSan Jose, Ca (HEBG)
	7. Identification Completion of Marie Part A5043 North No. 10 Part A5043
	of the Comment According to the Maintain Maintain The Maintain Comment Property by Do to Partition school of
,	(b) Description of Fast Inspected Control Rod. Drive Model #7RDB144CC005
***************************************	(c)-Applicable ASKE Codes Section (III; Editors 1971 Addenda date: Wa72 Case No. 1361-2 (1962)
-	Standard part for use with Reactor. Bydrostatically tested at 1920 pai.
di-si.	Drop Terein Chief decempes of several several several deposition of the property of the proper
	* Total number of sheets - 2
, ;;-	. Items 3 and 10 to be competed for tube sections
	""We cuttify that the statements unde in this important correct and this vessel past or apparentance an deficed, joying foods considered that the statement of the ASAE Code Social III." The applicable Design Specificating and Since Report are not the responsibility of the NFF Certificate Holder for parts. An NFF Certificate Holder for parts. An NFF Certificate Holder for apparents is responsible for Deviations of a responsible for Deviation of Specification and Since Expect, if the apparents is not seen the component-Design Specification and Since Expect, if the apparents is not seen the component-Design Specification and Since Expect, if the apparents of the component-Design Specification and Since Expect, if the apparents of the component Design Specification and Since Expect, if the apparents of the component Design Specification and Since Expect, if the apparents of the component Design Specification and Since Expect, if the apparents of the component Design Specification and Since Expect, if the apparents of the component Design Specification and Since Expect, if the apparents of the components of the com
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	continue of Authorization September of June 16, 1984 Continues of Authorization No.
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
, <u></u>	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
1.0 60	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen malysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen malysis report on file as Oscign specifications certified by B. N. Sridher Prof. Eng. Scace Calif. Reg. No. 18345
200	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
1.0_ 60_	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen malysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen malysis report on file as Oscign specifications certified by B. N. Sridher Prof. Eng. Scace Calif. Reg. No. 18345
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of General Electric Co., SAN JOSE, CALIFORNIA Consideration on file of Consideration Consideration Co., SAN JOSE, CALIFORNIA Consideration on file of Consideration Consideration Consideration C
6 3 2 0	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Design information certified by B. N. Stidhar Prof. Eng. Scare Calif. Reg. No.18345 Screen analysis report certified by B. N. Stidhar Prof. Eng. Scare Calif. Reg. No.18345 CERTIFICATE OF SHOP INSPECTION L, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vennel Inspectors
6 3 2 0	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Design information on file on GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file on GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file on GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Design specifications cartified by B. N. Stidhar Prof. Eng. Scace Calif. Reg. No.18345 CERTIFICATE OF SHOP INSPECTION L, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vennet Inspectors and/or the Scace of Province of North Carolina and employed by Department of Labor Scate of North Carolina have inspected the pact of a pressure reased described in this Partial Data Report on the Prof. Eng. Scace of Inspector and belief, the NFT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, acither the Laspector of his employer nakes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the inspector nor his employer with this inspection. Date: 7/20 19 82 N.C. 723,PA.WC1768 SEPPLEMENTAL
60	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA Screen analysis report on file as CERTIFICATE OF SHOP INSPECTION L, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vensel Inspectors and/or the Scare or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure ressel described in this Partial Data Reservance. By signing this certificate, seither the laspector are his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector on this employer with this lasts in any masses for any personal injury or property damage or a loss of any kind arising frees or connected with this isspection.

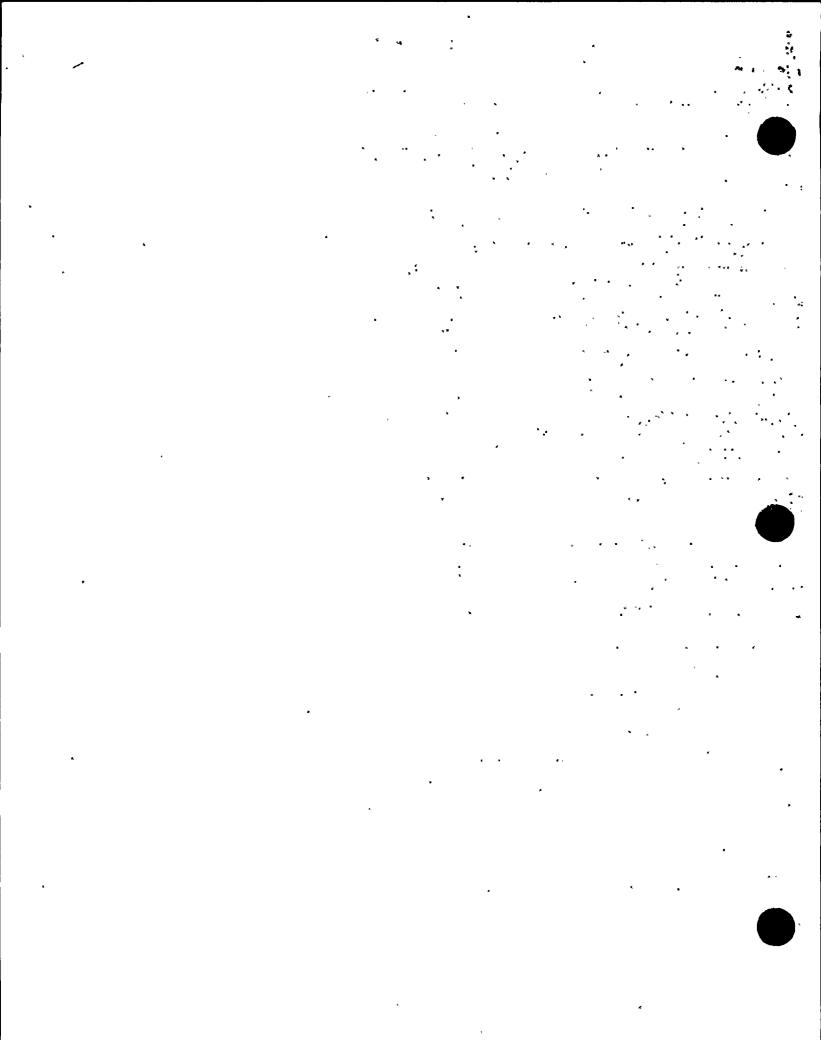
(10/77)

This form (E00040) may be obtained from the Order Dect., ASME, 346 E, 47th St., New York, N.Y. 10017



THE RESERVE OF THE PERSON OF T

If Postweld Heat-Treated. List other internal or extern



Conference of the second state of the second s At realized by an Propinsia Selber Attle (exception) Selber (III) Days)

Ceneral stattle Co. 7 Castle Haype Rd., Wilsington, W.C.

Cmeral Riectriaco (Santone Co., Outlo)

(a) Control Accesses to Description 761x:87C008 Description Property D. L. Peterson

Control Rod Drive, Model, 7RDB144CG005

(c) Applicably ASHE Code: Sent and Value and 1971 Address dece: NU72 -- Code No. 1361-20104

Standard part for the with Reactor, Hydrostatically tested at 1820 paid

17 Cap 167A23A3P1 (167A2343) SA182-7304

3/8 thick x 1 1/16 00

Indicator Tube 104B1336P03 SA312-TP316 3/4 sch 40-semless pipe 0.113 wall thickness "1:065 mx. dia.

Plug 159A1176P1 " SA182-F304 1/4 thick x 0.812 00 '-

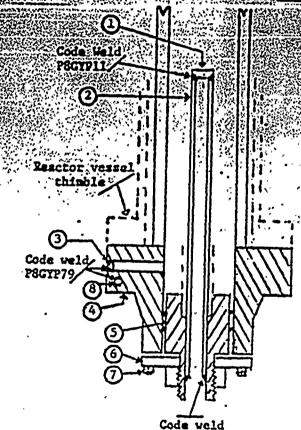
Flange 919D610P1 (719E474). SA182-F304 3.37 thick \times 9 5/8 op neck 1 1/16 thick x 5.0 0D 2.875 · ID

5. Head 129B3539P03 .SA182-F304 7/8 thick x 2.875 Diz.

6. Ring Flange 11485122P2 SA182-F304 · · 1" thick x 5.0 OD x 1.75 ID

7. Cap Screw 117C4516P2 SA193-B6 6 ea.1/2 dia. on 4 1/8 bolt circle

8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia.



P8GYP7 Rolled before weld

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

	N	wk Power Corpora ame P.O. Box 63 Lyco				0, 1997 0f	1
2. Plant	Nine Mile Na			Unit1	<u> </u>		
	Addr	ng, New York 130 ess Niagara Mohawk		Repai	r Organi	int. Work Order No. zation P.O. No., Job	No., etc.
1	Nine Mile Point F Add	Name P.O. Box 63 Lycon ress	ning N.Y. 1	Authori Ex	zation N	o. N/A Date N/A	
5. (a) A (b) A	pplicable Construpplicable Edition	of Section XI Util	B31.1 ized for Rep		s 19 <u>83,</u>		de Case
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
RD 22-	General Electric	71-419	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
				•			
7. Descriper ASI	ription of Work] ME Work Plan in	Replace Control Ro Work Order 96-04	d Drive with 4371-00 at c	rebuilt spare as pa ore location 22-07.	rt of pre	ventive maintenance.	Replaced CI
8. Tests	Conducted:			-			
	Hydrostatic 🗆 P		•	ng Pressure Te		dure: <u>N1-IST-LK-101</u>	_
NOTE: x 11 in	Supplemental s	heets in form of l	lists, sketcl	nes, or drawings i	nay be	used, provided (1) s each sheet, and (3) o	ize is 8 ½ each shee

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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-419 replaced by serial no. 71-628. VT-2 per NDE Report No. 1-2.01-97-0136.

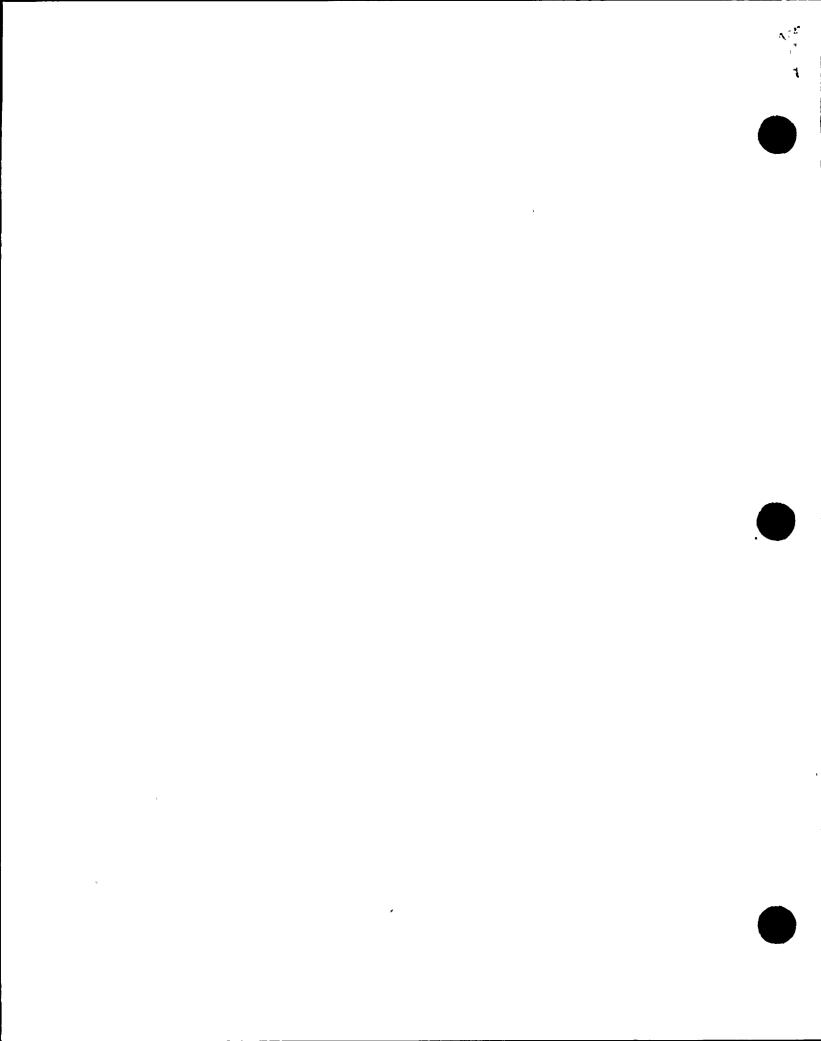
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed State Munique Date 7-21, 19 97 Owner or Owner Designee, 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 111196 to 7123197, 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.
Tom Dayles Commissions NB 496 h/7 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

(12/82)

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Mother Manufacturer

10 /
Manufactured by General Electric Co., APED, 175 Ourtner Ave; San Jose; California
(b) Manufactured for Stock item - standard part for use with GE Boiling Mater Reactor at (Rame and address of manufactures of belief of vessel) Ningra Mohauk Unit
2. Identification-Manufacturer's Serial No. of Part Please see serial rambors below
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson .
. (h) Description of Part Inspected Control Rod Drive '
3. Remarks Fabricated and inspected in accordan co with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14. 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
workmanship of this vessel conform to the ASME Code.
Date July 25 19 67 Signed General Electric Co. 114 JUC, July (Representative)
tificate of Authorization Expires December 31, 19 67
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a raild commission issued by the National Board of Hailer and Pressure Vessel Inspectors and/or the
state of CALIFORNIA and employed by Division of Industrial Safety of
Department of Indiastrial Relations have inspected the part of a pressure restal described in this manufacturer's partial data report on
and belief, the manufacturer has constructed this port in occordance with the applicable sections of the ASME Boiler and Pressure
Vessel Code. Dy signing this certificate, neither the Inspector nor his employer makes any morranty, expressed or implied, concerning the part
described in this manufacturer's pertial data report. Purthermore, neither the inspector nor bis employer shell be liable in any manner
for any personal injury or property damage or a loss of any hind arising from or connected with thir inspection.
Date
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71: 334/337/338/311/548,549,368/599/699/410,617,419,428,430,438/436,440,442,449,457,462,
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198/\$26/\$60, \$592/614/625/633/664/723
344 559, 615 (237) 530 (53) (652) (715)



THIS FOR	THUL MEET	Trans.	- <u> </u>		<u> </u>			
14 4-9 Incl. to be con	bleten tot siv	gle wall ver	isels (such as	air tanks), jack	cts of jacket	ed vessels, or	shells of heat e	xchangers.
SHELL: Material (KI	M 404 feet We	_T.S	a been No	Nominal Thickness	Corrosio	on ceIn. Diam	Ft In. Le	math_Ft1
EAMS: Long	na ana spec. Ne		X.R.	· T.B.)	.1 Sectioned	 Eilicienc	r	if riveted de-
Girth	Single, Lap, Uct	II.T	X.R.	Spet or Complete)	No. ul Ca	ourses	tutty on re-
HEADSI (a) Material	· · · · · · · · · · · · · · · · · · ·	т.	5	(b) Material				T.S
Location (Tep, bottom, ends) T					Conical Apex angle	Homispherical Radius	Plat 3 Diameter (Ce	de to Pressure RYSE of Concey
(b)						•	•	
If removable, bolts u	sed	>=e. No. T.A	., Sire, Number	Other fast	raing	(Describe of Att	ach Sketch)	·
STAYBOLTS:								iam. (Nominal)
JACKET CLOSURE	·	(Desc	115+ 46 +4++ 4	weil, bar, etc. ll	ber, give dime	neigne, if belied.	describe or shere	b)
. Constructed for max allowable working p		50	psi at max	temp <u>\$75</u>	°F.	Min. temp. (who less than -20	5	
ms 10 and 11 to be co	impleted for tu	ibe sections	•					
. TURE SHEETS: Sta	tionary. Materi	ial _ 70:=4 k		Die	nlo	. Thickness_	In. Attachme	nt (Welded, Bolter
							In. Attachme	
		/King =	. spec. 7. 1.1	•	Inches		٠	
	_				inches			
. TUBES: Material (R	Ind & Spec. No.)	o.p	in. Th	ickness	OF GAKE	Number	Гуре	(Straight or U)
. TUBES: Material (K ems 12-15 incl. to be	ind & Spec. No.) completed for	inner chamb	ers of jackete	rd vessels, or c	or Gage	rat exchangets.		
. TUBES: Material (K ems 12-15 incl. to be	ind & Spec. No.) completed for	inner chamb	ers of jackete	rd vessels, or c	or Gage	rat exchangets.		
TUBES: Material (K	ind & Spec. No.) completed for ind and Spec. No	T.S. (Fig. or F	.D. h spec. Win.	rd vessels, or c Yominal Thickness .T.S.I	or Gage hannels of he Corrossor In. Allowance	rat exchangers. eln. Diam	_Fsla. Leng	the_Fte
TUBES: Material (Kerns 12-15 incl. to be SHELL: Material (K	ind & Spec. No.) completed for ind and Spec. No	T.S. (Fig. or F	.D. h spec. Win.	rd vessels, or c Yominal Thickness .T.S.I	or Gage hannels of he Corrossor In. Allowance	rat exchangers. eln. Diam	_Fsla. Leng	the Ft If eiveted decribe soun fully on r
TUBES: Material (Kems 12-15 incl. to be SHELL: Material (KEAMS: Long (Welded, Db)	ind a Spec. No.) completed for ind and Spec. No.	T.S. (Fig. or F	OF SOFT SOFT SOFT SOFT SOFT SOFT SOFT SO	rd vessels, or c Vominal Thickness .T.S.:	or Gage hannels of he Corrossor In. Allowance retioned Type	eln. Diam or No. of c	_Fsla. Leng	ith. Ft
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TUBES: Material (Rems 12-15 incl. to be sms 12-15 incl. to be come	ind & Spec. No.) completed for ind and Spec. Se Single, Lap. D Thickness is used (a) press i	II.T. (Ye Radius) (Material, Special when	C. No., T. R., Size applicable.	rd vessels, or c Yominal Thickness T.S.; Spet or Complete Staterial Ellipsical Relie Oth to temp. Size	or Gage hannels of he Corrosion In. Allowance cetioned T.S. Conical Apol angle	No. of c Homiopherico Redius (Describe er	Ff. In Leng ncy	If riveted describe season fully on reverse side form. T.S. Lide to Pressue serves or Conce
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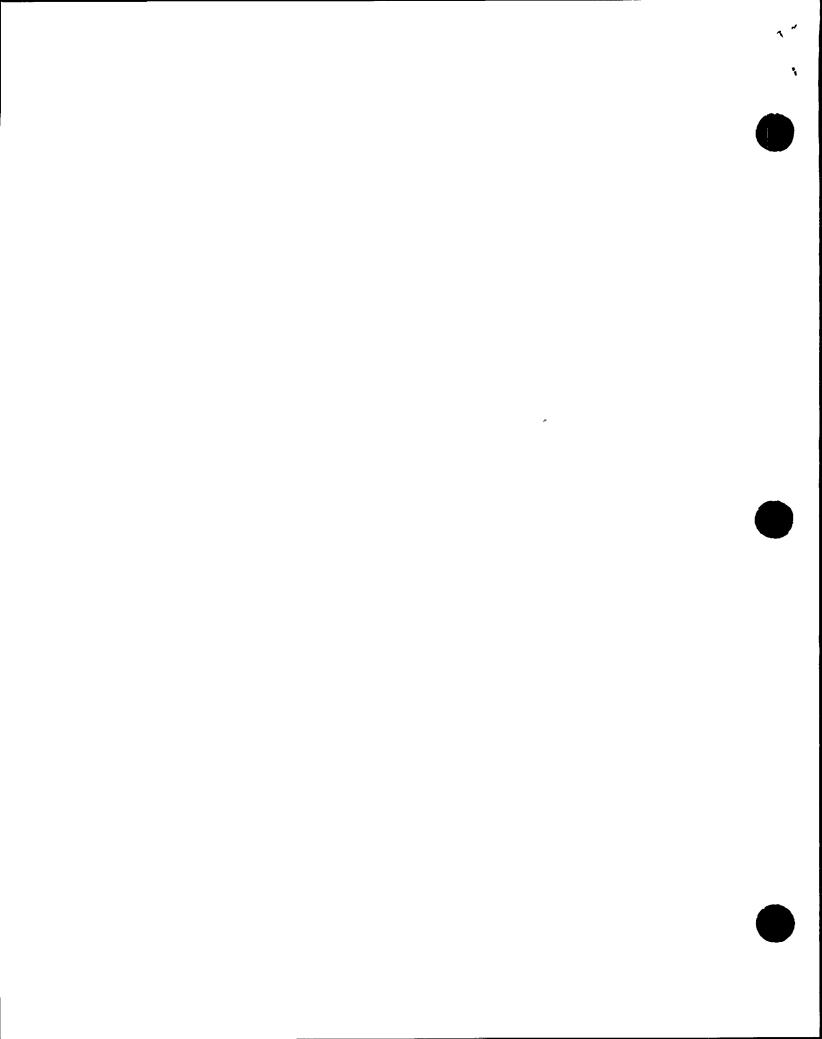
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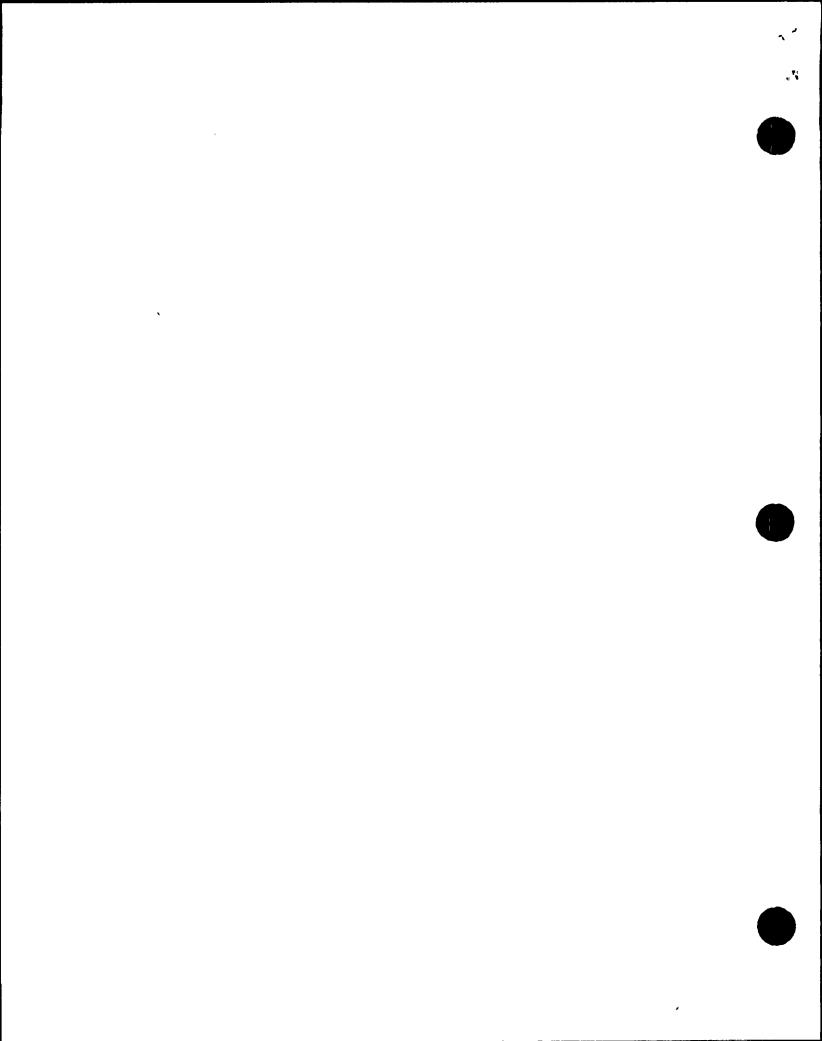
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

1. (a) Vinulactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(b) Manufactured for Stock item - standard part for use with GB Boiling Water Resctor at
(b) Manufactured for Stock Item - Stateback part for the water of bottles be reased NIRTH MONEY UNIT
2. Identification-Manufacturer's Serial No. of Part 71: -34367 4579 379 498 A53 538 641 551 551 551 655 67
. (a) Constructed According to Blueprint No. 237E179 G1 750, G25 B.P. Pierared by GL, APED: D.L. Peterson
(b) Description of Part Inspected. Control Rod Drive :
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
Te certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
Workmanship of this ressel conform to the ASME Code. Place July 316 19 67 Signed General Electric Co. (No. 19 19 (Negresormative))
difficate of Authorization Expires December 31 19 67
The state of Administration surplies
CERTIFICATE OF SHOP INSPECTION
1, the understaned, holding a ratid commission issued by the Notional found of Healt-Fond Pressure Vester Inspectors and of the State of CALIFORNIA and employed by Division of Inchistrial Safety of
State of CALIFORNIA and employed by Division of Industrial Safety Department of Industrial Relations Department of Industrial Relations
DEDAT LIBERTE OF ITALISETIES RELECTORS have inspected the part of a pressure seased described in this manufacturer's partial data report on
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASEE Builer and Procesure
, Venuel Code.
By signing this certificate, nowher the Inspector nor his employer makes any marranty, expressed in implied, concerning the part
described in this manufacturer's partial data report. Furthermore, neither the Inspection 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.
1m: 1 min 1
Cormissions (7) 6



THIS P	ORM NOT APP		UJU 1, .					•
Içems 4-9 incl. to be	completed for sir	igle wall vesse	ls (such as ai	rtanks), jaci	kers of jacks	ted vessels, or	hells of heat e	xchangers.
4. SHELL: Material	(Kind and Spec. No	T.S.	N T	ominal hickness s.)	Corros ia. Allowa	ioa incetn. Diam.	Ft la. L	mgth_Fttr
SEAMS: Long								fully on to-
Ginh _		и.т.	X.R		Sectioned _	No. of Co		form.
6. HEADS: (a) Mater								T.S
Location . (Top, buttern, ends)				•	Apex angle	Hemispherical Redius	Diameter (Ce	MASS OF CONCUM
(a)								
If removable, bol				_Other fact	tening	(Describe or Atte	ch Sketch)	*
7. STAYBOLTS: _		•)iam. (Nominal)
8. JACKET CLOSU						_		
9. Constructed for a	max.	(Describ	psi at max.	emp. 57	75 °F	enetone, it belled, Min. temp. (who Iess than -20°	446crib a at akat N 	CR)
Irems 10 and 11 to b								
10. TUBE SHEETS:	Sessionary, Marce	riat		Dia	ım.	in. Thickness	In. Attachme	• ent
•			-					
•	I-loating. Mate	rial.	666. XJ.)	^{Di.}	Am	In. Thickness	In. Attachm	eat
11. TUBES: Materia								
11. TUBES: Materia	(Kind & Spec. N.	,,,,,,	in inte			bass are basses	'71"	(अल्बाह्स कर ए)
Items 12-15 incl. to								
VIII.L.: Mațeria	A (Kinil and Speci. S	T.S.	Th	ickness	_la. Allawa	ncein. Diam	. FtIn. Len	AthFti
13. SEAMS: Long	Dhi., Single, Lap,	Ban Tree	न प्रको गेगीहरू	in the company	7	(कर्न कर-सक)	`/	
Ginh_		ii.T	X.R	:	sectional	· No. of co	W464	form.
14. HEADS: (a) Mai	erial,	r.s	(b) Ma	erial	T.S	(c) Water	ial	. 1.8
Lecation	Thickness	Redius	Kratio Rodius	R'liptical Ratio	Control Agreem		Flet Diameter (C	Side to Pressur Serves or Coace
•	. ends :							
(b) Channel	•							
· (c) I-loating If removable, b	olts used (a)			(6)				
	(c)	-	,	• • • • • • • • • • • • • • • • • • • •	her fastenin	6		
15. Constructed fo						Min. temp. (v	Allack Melch) hen	
allunable work	ing press	***************************************	psi at max.	14mp+		"F. less than →	200)	
Items below to be								
16. SAFETY VAL	VE OUTLUTS: 3	Number		Size	٠	Loc	ation	
17. NOVZI FS:		Diam. or Str			Merial	Thickness	Reinforcement Motorial	How
(in the interest of the intere								
<i>F</i>								
18. INSPI (110N	Manholes, No.		Sice		Location			
Phi Phote	Handholes, No.		\/e					
19. St PPORTS:	Threaded, Nu.		31/(1.45	~~	Other		achel



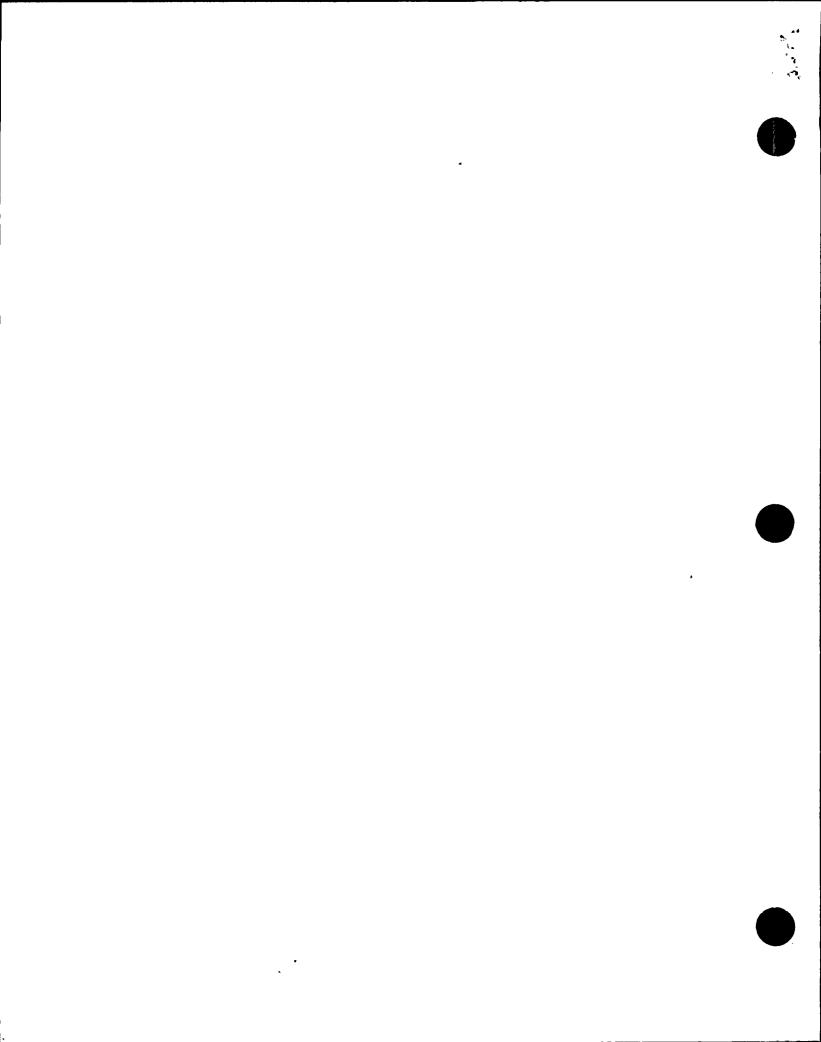
O O 4 22 4 O 2 5 6 FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

r. (a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
. (b) Manufactured for Stock item - standard part for use with GE Boiling Nater Reactor at Niagrand (Rame and actives of meandacturer of boiler or reactly to be a fine and active of the standard part for use with GE Boiling Nater Reactor at Niagrand (Rame and actives of meandacturer of boiler or reactly to be a fine at the standard part for use with GE Boiling Nater Reactor at Niagrand
2. Identification-Manufacturer's Serial No. of Part 71: - 4840 539 Mohawk Unit 1
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE. APED: D. L. Poterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-W) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
•
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code.
Date August 8 19 67 Signed General Electric Co. 11, - 7; (11, 12, 12)
enficate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION
1, the undersigned, holding a valid commission issued by the National Brand of Holler and Pressure Vessel Inspectors and/or the State of CALIFORNIA and employed by Division of Inchistrial Sufety of
Department of Industrial Relations have inspected the part of a pressure seased described in this
manufacturer's partial data report on
and belief, the manufacturer has constructed this port in occordence with the applicable sections of the ASUF Uniter and Prossure Vessel Code.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part
described in this manufacturer's partial data 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 thir inspection
Date 7-11- 19 69 Date 7-11- 19 69 Commissions (65 (7) 6") Commissions (65 (7) 6")
Studies tea. a billianma

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tems 1-9 incl. to be c								
4. SHELL: Material	Kind and Spec. No	T.S. (Fix. or F.B	No 11 . h spec. Min . T.:	ominal hickness s.)	Corrosio _in. Allowen	ceIn. Diam	_Ft In. L	mgth_Ftf
EAMS: Long	i., Singir, Lap, But	II.T.	.R. 40K	n or Complete	Sectioned (Ye	Efficiency	~~~~~~~~ <u>~</u> ,,	Reliveted de- eccibe erams fully on re-
GellEADS: (a) Materi		и.т	X.R		Sectioned	No. of Cou	363	form.
Location (Top, bottom, ends)								
•					Apex angle	Redius	Diameter (Ca	avez or Concav
(b)				· · · · · · · · · · · · · · · · · · ·				
Il temovable, bolt					ening	,		
	`			_				
T. STAYBOLTS:								
8. JACKET CLOSUR	II:	1Describ	·	d. bar. etc. II	ber give dime	natene, if helted, de	ectibe et ekel	
9. Constructed for mailowable working	Ar. 12	50	psi at max. to	_{emp.} 57.	5 °F.	Min. temp. (when less than -20)		۰
rems 10 and 11 to be							,	
		. •		O.L.	- •	51 1.1		
10. TUBE SHEETS: S	rtationary - Statefi	ANGER	ec. No.1	1305	ect to Pressu	(4)	In. Vitacum	nt (Welded, lipite.
						. Thickness		
				•				
11. TUBES: Material, coms 12–15.incl. to	(Kinda Spec. 52)).(),	_ In. Thick	ness	or Gage	Number	^T ነም	(अलब्स न्धा
tems 12-15 incl. to	be completed for	inner chamber	s of tacketed t	ressels, or c	hannels of he	rat cai hangers.		
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Own		awk Power Corpor	ation	Date _	March 2	0, 1997	
	Nine Mile Point	P.O. Box 63 Lyco	ming N.Y.	13093 Sh	eet	_1of	1 .
2. Plan	t <u>Nine Mile</u> Na	••••	····	Unit1	<u> </u>		
<u>P.O</u>		ng, New York 130 ress	093	<u>M</u> Repai	ech. Ma r Organi	int. Work Orde zation P.O. No.	er No. 96-04372- , Job No., etc.
	Nine Mile Point Add	Niagara Mohawk Name P.O. Box 63 Lycon dress m <u>CRD CONTRO</u>	ning N.Y. 1	3093 Authori Ex	zation N		
5. (a) A (b) A	Applicable Construction	uction Code <u>ASA</u> of Section XI Util	B31.1 ized for Rep	19 <u>55</u> Edition airs or Replacement and Replacement Co	s 19 <u>83</u> ,	Sum. '83 ADD	
AME OF MPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
KD 22-	General Electric	71-551	N/A	NC02 CLASS 1	1967	REPLACEM	ENT Yes
				· · · · · · · · · · · · · · · · · · ·			
7. Desc per AS	ription of Work ME Work Plan in	Replace Control Ro Work Order 96-0	od Drive with 4372-00 at c	h rebuilt spare as pa ore location 22-11.	rt of pre	ventive maintena	nnce. Replaced C
8. Test	s Conducted:						
	•	neumatic 🗆 Nom	•	-		dure: <u>N1-IST-I</u>	<u>K-101</u>
	Other 🔳 Pro	essure 1044.6 PSIG			οF		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.



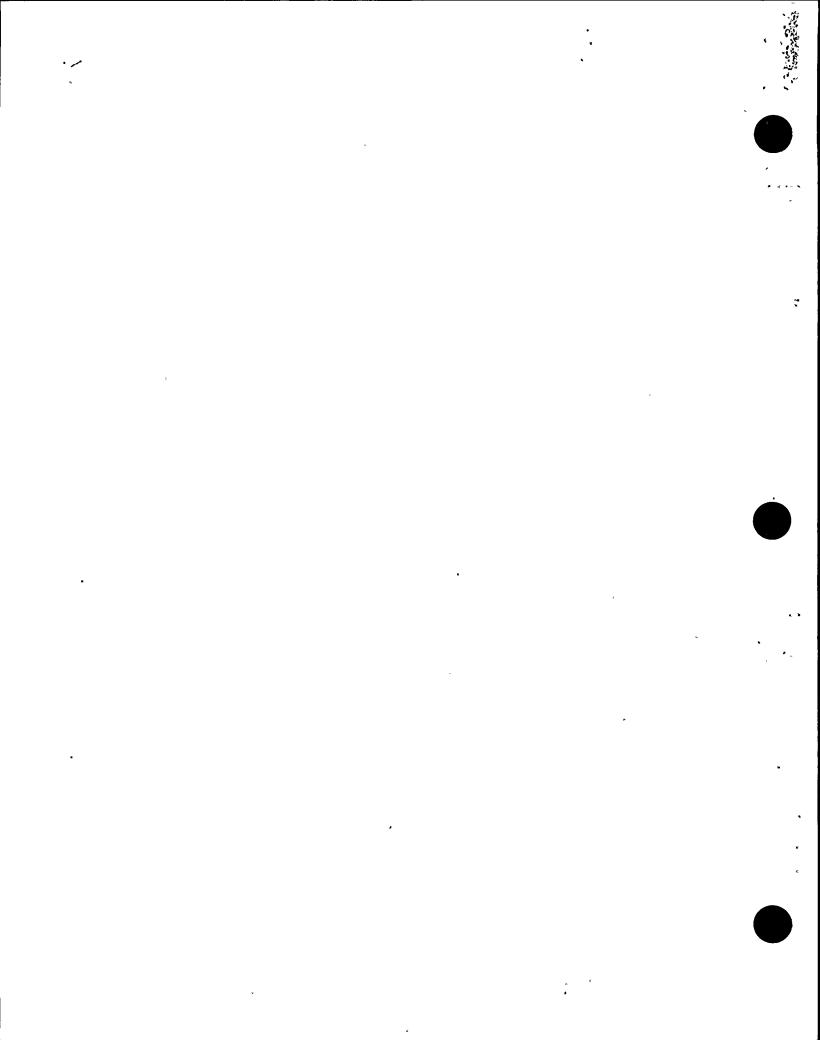
FORM NIS-2 (Back) (Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-551 replaced by serial no. 7054. VT-2 per NDE Report No. 1-2.01-97-0136.

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 None
Certificate of Authorization No None Expiration Date None
Signed Date 7-21, 19 97 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 II 15 196 to 7/23/47, 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.
Lymbalusan Commissions 1138496 NY 2812
Inspector's Signature Commissions <u>AID 8 49 6 NY 2812</u> National Board, State, Province, and Endorsements
Date 7/23,19 <u>47</u>

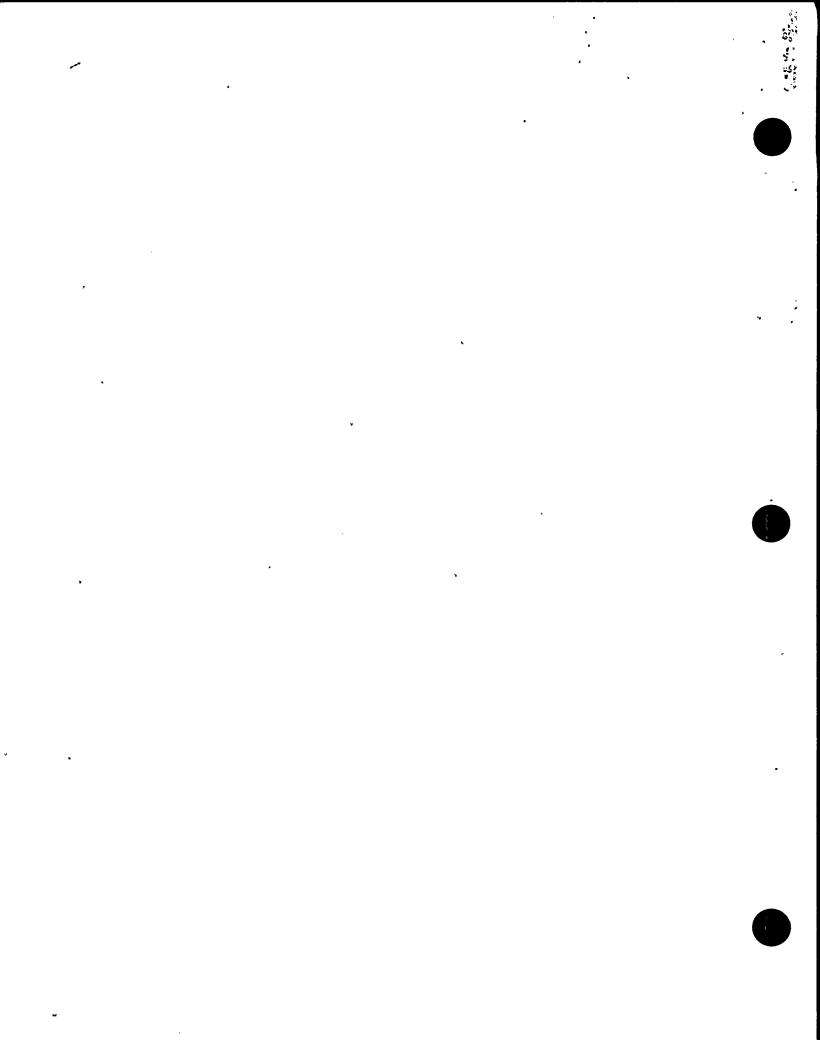
(12/82)

As required by the Provintons of the Asi	E Code Rules The Control of the Cont
dringeneral Electric Co., Castle Hayne R	
(Name and address of Marian Control of Contr	untecimed education and analysis analysis and analysis analysis and analysis analysis analysis analysis analysis analysis
(Name and appropriate Co., San Jose, Cali	fornia.
7054	Nat'l BJ. No.
Mailleation Manufacturer's Serial No. of Part	ent genetiff genetiff genetiffen der eine genetigt
1614 Constructed According to Drawing No. 761E387G4 Drawing Pr	epsied by D. L. Peterson
A (by Description of Part Inspected Control Rod Drive, Mode) #	7RDB144CG003
the state of the s	long 2 1 261 Class 1
\$ \$\$\$\$\$\$\$ \$	The same of the sa
Remarks: Piston Tube Assembly manufactured to draw	
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	and the second free playeres and are till field to a
The state of the s	luby Sheeter Branciacy, Marcrial
CV We Certify that the statements made in this report are correct and this vessel	part or appurtenance as defined in the Code con-
forms to the rules of construction of the ASME Code Section III. Well the spoil cable Design Specification and Stress Report are not the responsi- Manufacturer is responsible for furnishing a separate Design Specification and	ibility of the part Manufacturer. An applittenance
in the component, Design Specification and Stress Report.)	1. 11 Mayor, rater 1. 10 121-11
12-15 19 77 Signed GE, NEPD-WMD-EM	Moredennue
(Manufacturer)	er of Authorization No. NPT-1151
	ate of Asthorization No. NPI-1151
CERTIFICATION OF DESIGN FOR APPURTENA	NCE (when applicable)
Design information on file at General Electric Co., NEPD-WMD-	FMO. Castle Havne Rd: Wilmington N.C.
Stress analysis report on file at General Electric Co., NEPD-WM	MD-EMU, Castle Hayne Rd 3; Withing Con , N 20
Design specifications certified by Vernon W. Pence	Prof. Eng. State Calif. Res. No. 1-14488
	transport is the control of the same of
Stress analysis report certified by Vernon W. Pence	Prof. Eng. State Calif. Reg. No. 14488
CERTIFICATE OF SHOP INSPE	CTION
	and of Hallas and Brassura Vessel Inspectors
1, the undersigned, holding a valid commission issued by the National Bo and/or the State or Province of 11. Carolina and employed by	Department of Labor
of State of North Carolina have inspected the	part of a pressure vessel'described in this
Manufacturer's Partial Data Report on 12-15 19 // and belief, the Manufacturer has constructed this part in accordance with the	and state that to the best of my knowledge ASME Code Section III.
By signing this certificate neither the Inspector nor his employer makes	more, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage of with this inspection.	r a loss of any kind arising from or connected
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Date 12-15 19 77	and in the Special South in
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Ampleton or Signature	Nutional Board, State, Province and Not
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Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size data report is included on each sheet, and (3) each sheet is numbered and number of sheet	Nutional Board, State, Province and Notice



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	•	Inspection: Manholes, No. Size Location
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improduction to complication layer Rd., Wilmington, N. C.

Control of s micha storie 127054 _Nat'l IId. No. _

(a) Constructed Arrording to Drawing No. 761E38764 Drawing Prepared by_ D. L. Peterson

(b) Destription of Part Inspected Control Rod Drive, Model- 47RDB144CG003 ...

THE PROPERTY OF THE PARTY OF TH (c) Applicable ASUE Code: Seculos III Edition 1971, Addenda date

Remail Originally manufactured by General Electric "See attached Data Report the battered (Bill description of service for which component was designed)

Original Piston Tube: Assembly removed and replaced by an equivalent assembly

made to the 1977 Edition of Section III, no addenda.

Cap, 167A2343P1

(167A2343)

SA182-1304

3/8 thick x 1 1/16 OD

Indicator Tube 104B1336P1

SA312-TP316

3/4 sch. 40-seamless pipe

0.113 wall thickness

1.065 max. dia.

3. Plug 159A1176P1

SA182-F304

1/4 thick x:0.812 OD'

Plange 919D610P1 (719E474)

OSA182-F304

3.37 thick x 9/5/8 OD

neck 1 1/16 thick x 5.0 0D

~ 2.875 · ID

Head 129B3539P1

SA182-F304

7/8 thick x 2.875 Dia:

Ring Flange 114B5122P2

SA182-F304 2 33

1" thick x 5:0 00 x 1.75 ID

Cap Screw 117C4516P2

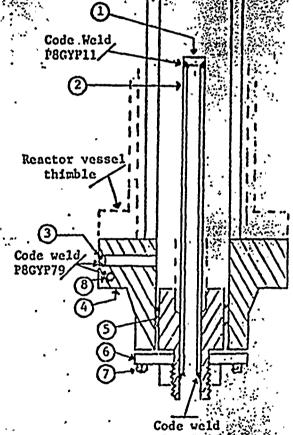
SA193-B6

6 em 1/2 dia con 4.1/8. bolt circle

% Plug' 175A7961P1

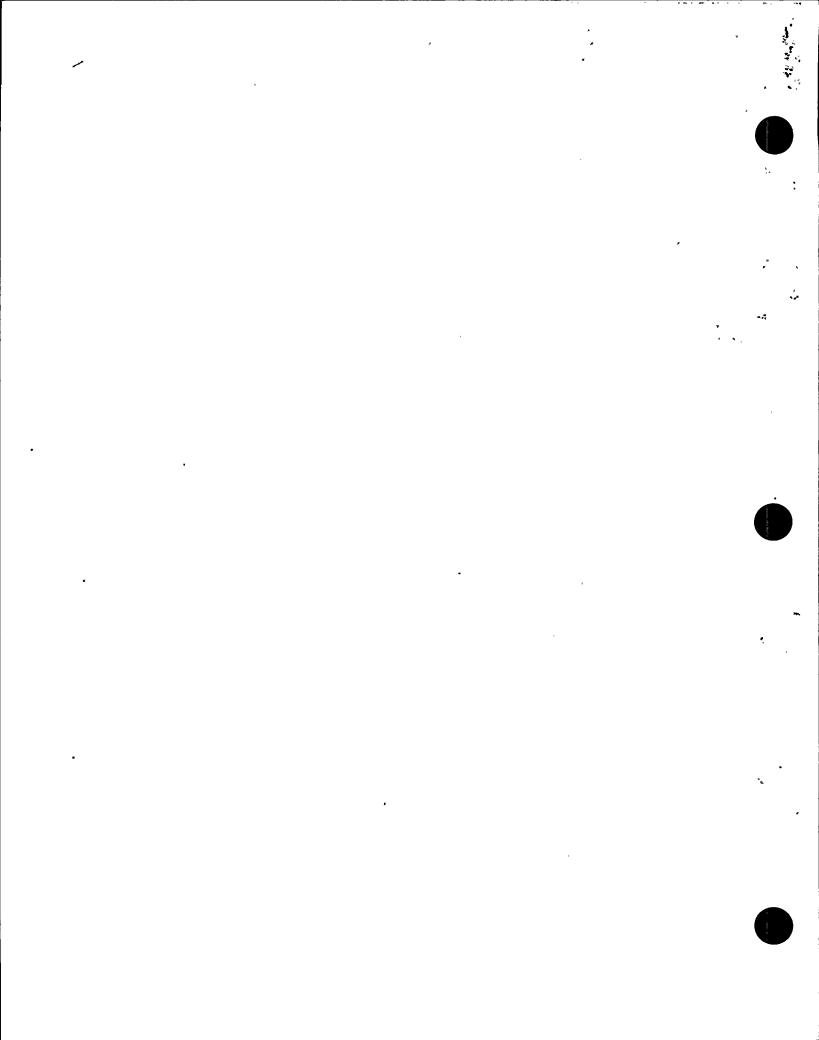
SA182-F304 🚉 🚉

0.38 thick x 1.307 dia.



P8GYP7.

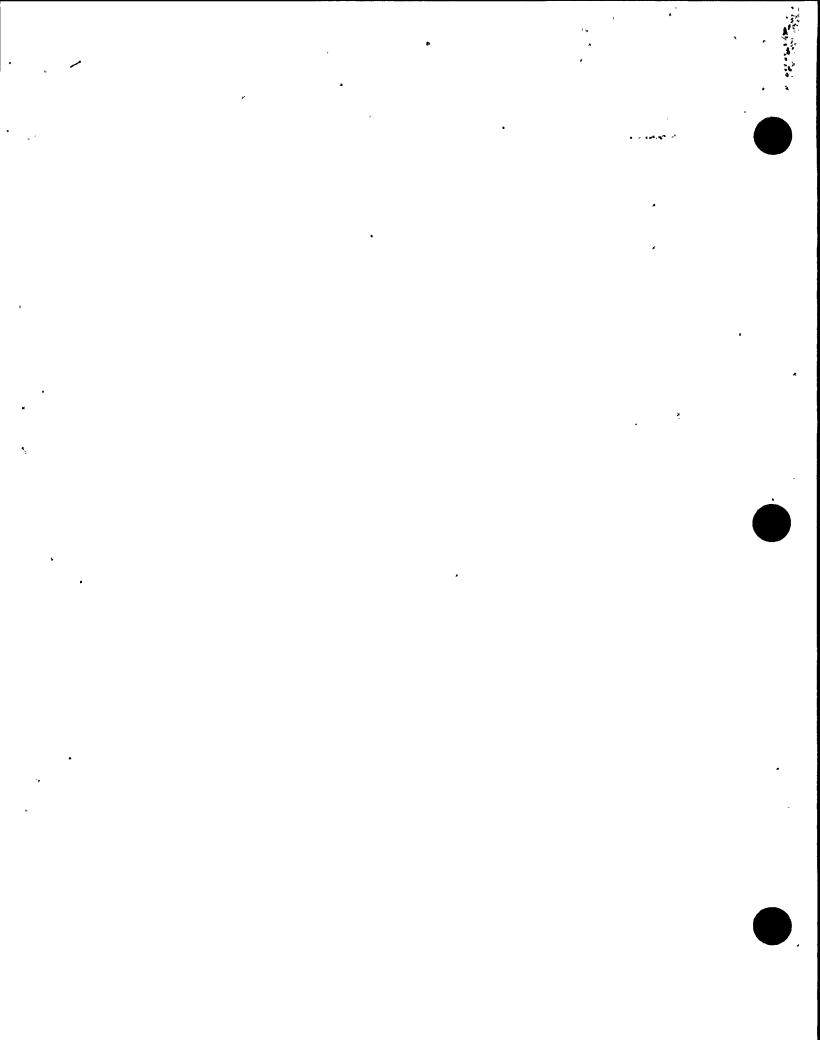
Rolled before weld

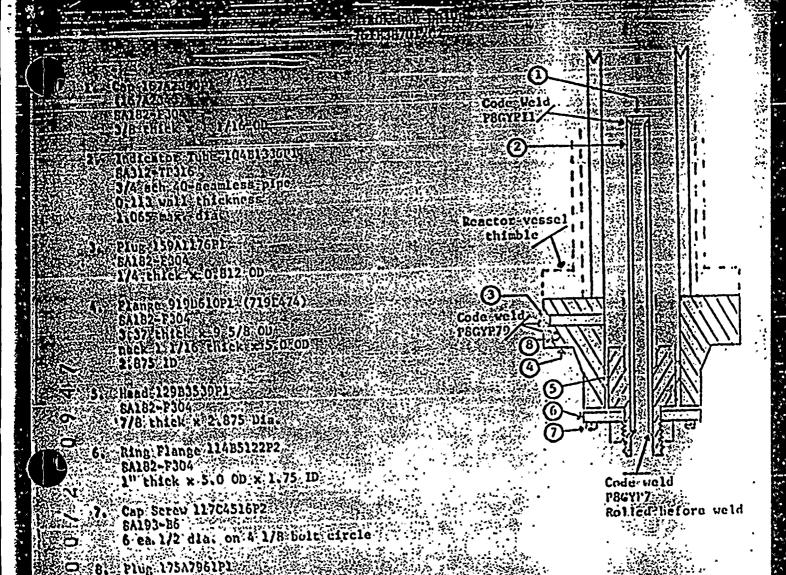


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	As required by the Provinted of the AME Code Release to the AME and the Code Release to the American services and the Code Release to the Code Rel
	General Electric Company, Castle Hayne Rd - Wilsington Williams
	(1) Handicourd (at General, Electric Company (San Jose California
	(Name and address of Manufacturer of component the National Section Manufacturer of Section Manufactur
	the state of the s
	(a) Constructed According to Drawing No. 1761B387G2 Drawing Prepared by D. L. Petersont
	(b) Description of Part Inspected Control Rod Drive, Model - 7RDB144 Cl
	Col Applicable ASHE Code: Section III Edition 1971 , Addenda date None Case No. 1361-11 Class Mayorail
	Remarks: Standard part for use with Reactor. Hydrostatically-tested-at 1827 psi
A STATE OF	minimum. "See new Manufactures Data Report"
	ARIGINAL DATA REPORT.
, un	Januard Annual Constitute and the statements made in this report are correct and this vessel part on appurtenance as defined in the Code conformation of the ASHE Code Section III. (The applicable Design Specification and Stress Report are not the responsibility of the part Manuactured An appurtenance Manuactures is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not the separate Design Specification and Stress Report if the appurtenance is not the separate Design Specification and Stress Report if the appurtenance is not the separate Design Specification and Stress Report if the separate Design Specification and Stress R
4	in the component Dealer Specification and Strang Report.)
. 6	Date: July 31 19.75 Signed GE, BWRSD - REM. 19. 19 19 19 19 19 19 19 19 19 19 19 19 19
0	Certificate of Authorization Expires June 20, 1978 Certificate of Authorization No. NPhiladelless
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
	Design information on file at General. Electric Co., BWRSD-REM, Castle Hayne-Rd Willington
	Stress analysis report on file as General Electric Co., BWRSD-REM, Castle Hayne Rd., Wilmington
	Design specifications certified by Vermon W. Pence Prof. Eng. State Califba Reg. Not . 44488
	Stress analysis report certified by Vernon W. Pence Prof. Eng. State Calific s Ros. Notw14488
	CERTIFICATE OF SHOP INSPECTION
	To the understand holding a walld completion issued by the Marland Based of Bolles and Brossers Marcal Incorporate
	-md/or the State of North Carolina and employed by Department of Inborques ad of wolf of State of North Carolina have inspected the part of a pressure vessel described in this
	Manufacturer's Partial Data Report on July 31 195, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III. By algaing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied concerns.
	Ing the part described in this Manufacturer's Partial Data Report. Furthermore, neither the Inspector nor his employed shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from of connected with this laspection.
	Date July 31 1975
	Commissions NG 723, PA - PG-1766; Ohio
	. National Boerd, State, Prevince and No. 32 (10.74)
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0.38 thick & 1.307 dia

ATTACHMENT TO FORM N-2 MANUFACTURER'S DATA REPORT

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

. Own		awk Power Corpor	ation	Date	March 2	20, 1997	
	Nine Mile Point	P.O. Box 63 Lyco	oming N.Y.	13093 Sh	ieet	of	1
2. Plan	t <u>Nine Mile</u> Na			Unit	1		
<u>P.O</u>		ng, New York 130	093		<u>lech. Ma</u> ir Organi	int. Work Order No.	96-02662-1 lo., etc.
3. Work	k Performed By	Niagara Mohawk	Power Con	<u>р.</u> Туре Со	ode Syml	bol Stamp <u>N/A</u>	
	Nine Mile Point l	Name P.O. Box 63 Lycor	ning N.Y. 1	Authori	zation N	oN/A	
	Add	lress			piration	Date N/A	
5. (a) A (b) A	Applicable Constru Applicable Edition	of Section XI Util	B31.1 ized for Rep		ts 19 <u>83</u> ,		le Case
AME 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
22-	General Electric	71-729	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
						•	
7. Descriper ASM	ription of Work I	Replace Control Ro Work Order 96-07	od Drive with 2662-11 at c	n rebuilt spare as parore location 22-27.	rt of prev	ventive maintenance. R	eplaced CF
8. Tests	Conducted:						
I	Hydrostatic D Pi	neumatic 🗆 Nomi	inal Operatin	g Pressure 🗆 Te	st Proced	dure: <u>N1-IST-LK-101</u>	_
		ssure 1044.6 PSIG	•	_	o F		-
x 11 in.	(2) informatio	n in items 1 thro	uah 6 on th	nes, or drawings n nis report is includ t the top of this f	a no bal	used, provided (1) siz ach sheet, and (3) ea	e is 8 ½ i ach sheet



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-729 replaced by serial no. A5070. VT-2 per NDE Report No. 1-2.01-97-0136.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/21/46 to 7/23/47, 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.
Zm Dorles Commissions NB 9496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements Date 7/23,1997

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·U.	A TANKE OF THE PROVIDER OF THE ASSET OF THE PROVIDER OF THE PR
C	
	General Electric Company, Castle Hayne Rd. Wilmington, H.C.
	General Blectric Company, San Jose, Ca. (NEBG)
	Contract Ballet to of Part
	The Taleton Control States States States Control Contr
	(a) Consessed According to Drawing No. 761E387G008 Drawing Property by
	(b) Description of Past Inspected Control Rod Drive Model #7RDB144CG005 Live wild, ploavour, Harris (d)
	(d) Applicable ASME Code: Seetles III, Edition 1971 Addends date N. 725 demand Case No. 1361-2
	Standard part for use with Reactor. Hydrostatically tested at 1820 pai
114	Total number of sheets - 2
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300	Secret Stationery Material View Tank Tank to present the present of the present o
	We comity that the seasonants under in this toport are correct and this vessel part or appetrance as deliged in the Code conferms to the railey of construction of the ASME Code Section III. The hasticists Delige Sectification and Strete Report are not the respectability of the MPT Certificate Holder the person An ASME Certificate Holder for apportances is not confermed by the apportance in the apportance is not
	forms to the raign of construction of the ASME Code Section III. The posterior primer Specification and Street Report are not the respectability of the NPT Certificate Holder for period AD NPT Certificate.
	calle Halder for appartmenance (is responsible for farnishing a separate Design Specification and Stress Report if the appartmenance is not become a farnishing and Stress Report.)
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	7/13 19 82 ST. AURD-SHD-QA SA Lanimov B. Mallelumus
	COPP CHERCAS MARKET ST. CO. C.
	Certificate of Authorization Expires June 16, 1984
	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
D	
50.	Design information on file at GENERAL: ELECTRIC CO., SANTJOSE, CALIFORNIA (1979) (1)
	- SANAJOSE CALIFORNIA
$\widetilde{\Omega}^{1}$ \succeq	Scress stalysis report on file at
<u> </u>	Design specifications certified by B. N. Sridhar Prof. Eng. Scate Calif Reg. No. 18345
<u> </u>	if removable, takes used the manufacture of allest and and the secure of
	Stress easilysis report Certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 19345
, y'	THE PARTY OF THE P
A-1-0,	CERTIFICATE OF SHOP INSPECTION.
30101 \$	I,-the undersigned, holding a valid commission issued by the Marional Board of Boiler and Pressure Vessel Inspectors
•	and/or the State or Province of North Carolina and employed by Department or Labor
	of State-of-North-Carolina- have inspected the part of a pressure vessel described in this
;	Partial Data Report on
• :	ing the next described in this Partial Data Report, Furthermore, neither the Inspector nor his employer
	- shall-be-liable-in-may manner for any personal injury or property damage or a loss or any clou arrains from or connected
	with this inspection.
·	Dete 19 82
;	N.G. 723, PA.WC1766, OHIO
. •	Commissions National Board, State, Prevince and No.

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If removable, bolts used (a) (b) (c) Other fastening (De EdeEign, 295 2002 2002 2002 2002 2002 2002 2002	Sucas mailing con
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761E37C008 Design Press Do.L. Peterson

Control Rod Drive Model 7RDB144CC005

(c) Aprillante ASME Cade Section 11 1/2 19/1 19/1 19/1 19/1 Care No. 1361-2011

Standard party for user with Reactories Hydrostatically tested at 1820 psi

Cap 167A2343P1 (167A23**4**3) SA182-F304

3/8 thick x 1 1/16 00

Indicator Tube 10481336P03 SA312-TP316 3/4 sch 40-seemless pipe 0:113 wail thickness

1:065; max. dia.

Plus 159A1176P1 SA182-730A

1/4 thick x 0.812 00

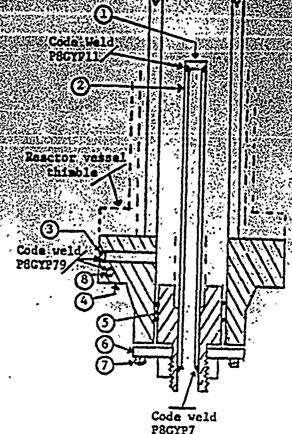
4. Flange 919D610P1 (719E474) SA182-F304 3.37 thick x 9.5/8 00 neck 1 1/16 thick x 5.0 00 2.875 · ID ·

Head 129B3539P03 SA182-F304; 7/8 thick x 2.875 Dia.

6. Ring Flange 114B5122P2 SA182-F304 1" thick x 5.0 0D x 1.75 ID

7. Cap Screw 117C4516P2 . . . SA193-B6 6 ea.1/2 dia. on 4 1/8 bolt circle

Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 dia.



P8GYP7 Rolled before weld

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Own	er <u>Niagara Moha</u> Name	wk Power Corporation		Date March 21, 199	7		
	Nine Mile Point P.	O. Box 63 Lycoming N. Address	Y. 13093	Sheet1	of	1	
2. Plant	Nine Mile Po	int	Un	it _1		.	
<u>P.O.</u>	Box 63 Lycoming Address	New York 13093		Mech. Maint. We Repair Organizat		No. 96-04373-00 o., Job No., etc.	
4. Ident 5. (a) A (b) A	line Mile Point P.C Addres ification of System pplicable Construc pplicable Edition o	Niagara Mohawk Power Name D. Box 63 Lycoming N.) s CRD CONTROL ROD etion Code ASA B31.1 f Section XI Utilized for conents Repaired or Repla	Author Author Author DRIVE 1955 Repairs or Rep	Diacements 19 <u>83. Sun</u>	N/A enda,_N/A		: •
NAME OF	NAME OF MANUFACTURER	Manufacturër's Serial No.	National Board No.	OTHER IDENTIFICATION	Year · Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes '
CRD 22-47	General Electric	71-337	. N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
						,	
7. Descr (1 ea.)	ription of Work <u>Re</u> Sange capscrew po	place Control Rod Drive Pr ASME Work Plan in V	with rebuilt sp Vork Order 96-	are as part of prevent 04373-00 at core loca	ive mainten tion 22-47.	ance. Replaced CRD	and
	-	umatic D Nominal Oper	•		N1-IST-LI	ζ <u>-101</u> .	

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



(Applicable Manufacturer's Data Reports to be attached)

Remarks: This was not a service failure. Replaced one (1) flange capscrew due to worn allenhead, heat Code MI for capscrew.
 VT-1 for ISI per NDE Report No. 1-2.01-97-0064 for capscrews removed and VT-1 for PSI per NDE Report
 No. 1-2.01-97-0011 for replacement capscrew (1ea.). CRD exchanged as part of preventive maintenance. Serial
 No. 71-337 replaced by serial no. A5708. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97 2185.

CERTIFICATE OF COMPLIANCE

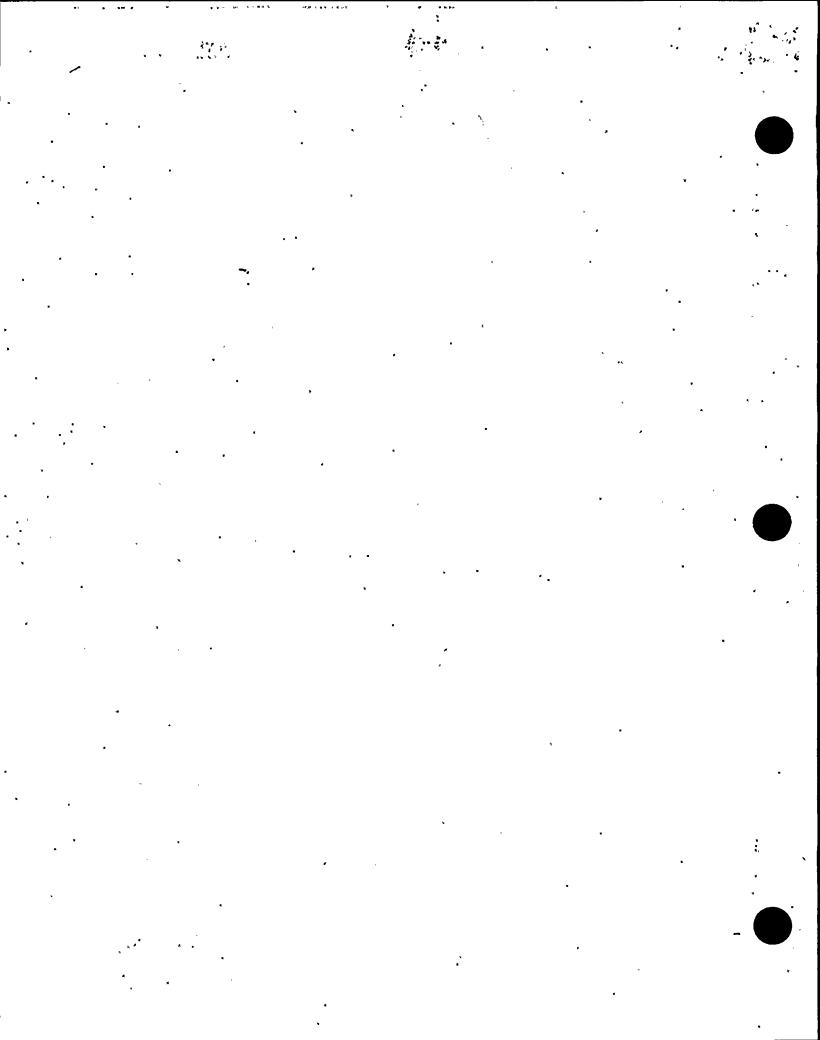
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. : repair or replacement
Type Code Symbol Stamp' None
Certificate of Authorization No None Expiration Date None
Signed Del Gelen For S. DOTT MANAGER MAINT-VI Date 7/29, 19 97 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 <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 to 7 30 97, 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.
Long Ordes Commissions NB 8446 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
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Date

(12/82)

As	required by the Provision of the ASM	E Code Rules, Section III. Div. 1	items:4-8 inct, he c
	required by the Province of the Asia		
L (a) Manufactured by Gene	eral-Electric Company, Car	stle Hayne Rd., Wilmington	, N.C.
th Manufactured for Gent	eral Electric Company: Sa	n Jose Cs. (NERG)	
(0)	, (Name and address of N Cer ^ A57	TIBCOLO Molder for completed suclear components	6. Hends .v
2. Identification-Certificate Hold	(Name and address of N Cor A57 ler's Serial No. of Part	Ner'l Bd. No.	
(a) Constructed Accordings	761E387G008	Drawing Prepared by D. L. Pe	terson ,
		Model #7RDB144CG005	•
(c) Applicable ASME Coder S	Section III, Edition 1971, Addes	dadare Case No1361	Class 1
Standard pur	rt for use with Reactor.	Hydrostatically tested at	1820 pmi.
	'(Briof description of service	(or which compensed was designed)	५ ८५२ मेंब्रोस्ट्री सें
* Total, numbe	er of sheets - 2		, 'ta' smal
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included in the component Design	m Specification and Stress Report.)	Design Specification and Stress Report	* *************
Dace	82 Signed GE, NEPD-WAD-QA	By Cloud	mue"
Date	Signed GE, NEPD-WMD-QA (INPT CHIDGON HAR ires June 16, 1984	By Struck Certificate of Authorization No.	NPT N-1151
Certificate of Authorization Exp	ires June 16, 1984 ·	Certificate of Authorization No	
Certificate of Authorization Exp	FICATION OF DESIGN FOR APP	By Christian By Christian No. — Certificate of Authorization No. — PURTENANCE (when applicable) , SAN JOSE, CALIFORNIA	
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CERTIE Design information on file at. Stress analysis report on file Design specifications certifie Stress analysis report certifie I, the undersigned, holding and/or the State of North	GENERAL ELECTRIC CO., GENERAL ELECTRIC CO., GENERAL ELECTRIC CO., At GENERAL ELECTRIC CO., Compared by B. N. Sridhar CERTIFICATE OF SHO	Certificate of Authorization No	Reg. No.18345 Reg. No.18345 Vessel Inspectors described in this
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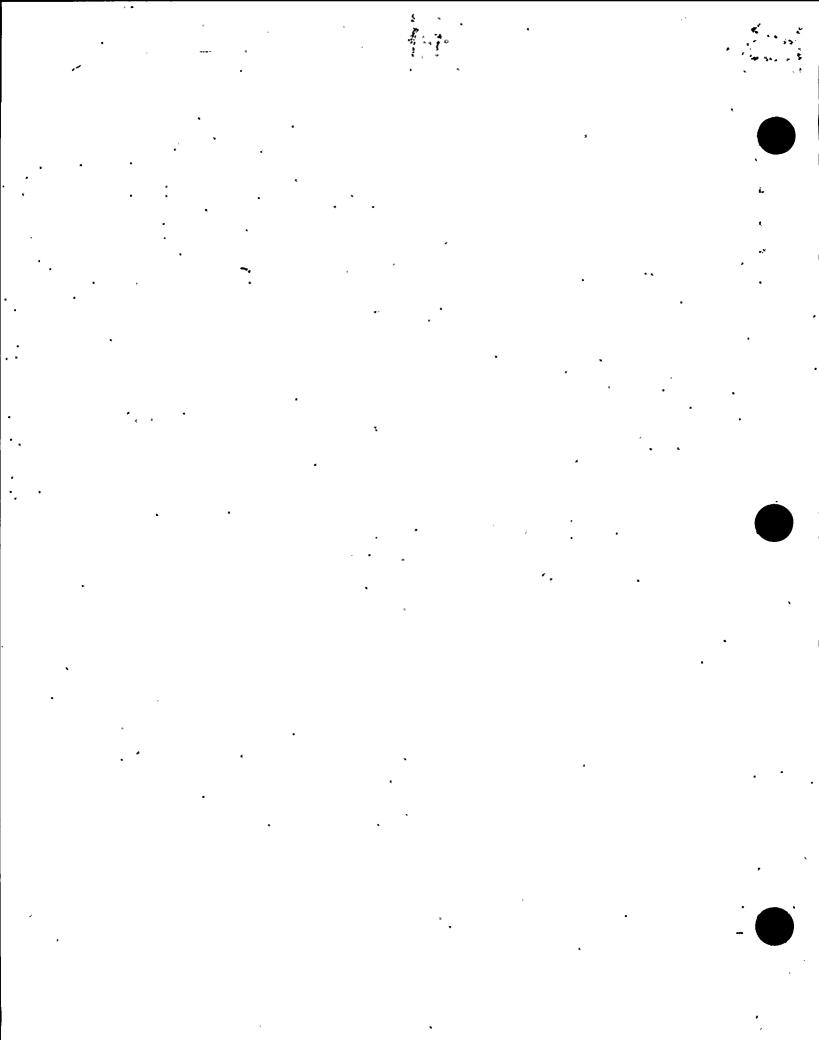
[&]quot;Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 894" a 11", (2) information in itema 1-2 on this



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2. 3. 5.	Girth Girth Girth Location (a) Material_ Location (a) Top, bottom, ends (b) Channel If removable, bolts us Design pressure 2 as below to be completed Safety Valve Outlets: Nozzles: Purpose (Inlet, Outlet, Drein) Inspection Manhole: Openings: Handhole	Thickness Thickness sed (a) Number Number	Crown Rediue Crown Rediue Cissels where	T.S Knuckie Radius	Corre	Contest Apex Angle Ocation Octor	Diaft Efficiency No. of Courses Homisphorical Redius or fastening Charp Charp St tem Res	T.S. Plat Diameter (Describe or a Weight y Impact p. of	Side to Press (Conv. or Conc ttach sketch)



FORM N-2 NPT CERTIFICATE HOLDERS, DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. 1

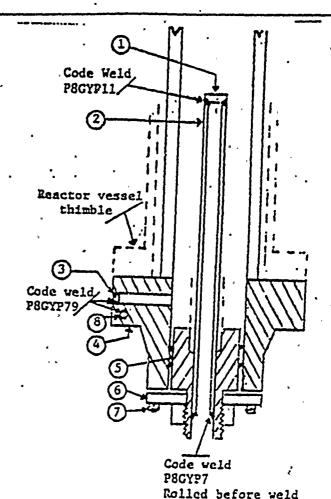
1.	(a) Manifectored by	General Electric Co., Castle Hayne Rd., Wilmington, N.C.
••		' Unide and address of NPT Cartificate Melanty -
	(b) Manufactured for	General Electric Co., San. Jose, Ca., (NEBG) (Masso and address of N Cartifictor Heider for completed suction component)
	(0)	" (Hame and address of N Cartificate Heider for completed success compensat)
2.		ste Holder's Serial Ne. of Part A5708Nat'l Bd. No
	4.5 0.5	ording to Drawing No. 761E387G008 Drawing Prepared by D. L. Peterson
	(a) Construction Acc	press to branch to the press of
	(b) Description of P	ert Impected Control Rod Drive, Model, 7RDB144CG005
	(c) Applicable ASME	Coder Section III, Edition 1971 Addenda dese W'72 Case No. 1361-2Class 1
	. Chande	ud name Son use with Descent . Hudrostatically tested or 1870 and

- 1. Cap 167A2343P1 (167A2343) SA182-F304 3/8 thick x 1 1/16 OD
 - 2. Indicator Tube 104B1336F03
 SA312-TF316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- 3. Plug 159Al176Pl . SA182-F304 1/4 thick x 0.812 OD

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- 4. Flange 919D61OP1 (719E474)
 SA182-F304
 3.37 thick x 9 5/8 OD
 neck 1 1/16 thick x 5.0 OD
 2.875 ID
- 5. Head 129B3539P03 SA182-F304 7/8 thick x 2.875 Dia.
- 6. Ring Flange 114B5122P2 SA182-F304 ' 1" thick x 5.0 OD x 1.75 ID
- 7. Cap Screw 117C4516P2 SA193-36 6 ex.1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1SA182-F3040.38 thick x 1.307 dia.



A Second -~; · • . *:* . • . •

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Owr	1	awk Power Corpor				20, 1997	
	TAILE MILE FOIL	P.O. Box 63 Lyco Address	oming in. Y.	13093 SI	1eet	of	_1
2. Plan	t <u>Nine Mile</u> Na	Point me		Unit _	1		
<u>P.O</u>	. Box 63 Lycomi	ng, New York 13	093	<u>N</u> Repa	<u>ſech. Ma</u> ir Organ	nint. Work Order No.	96-04374-0
3. Wor	k Performed By	Niagara Mohawk	Power Cor	p. Type C	ode Sym	bol Stamp <u>N/A</u>	
	Nine Mile Point 1	P.O. Box 63 Lycon	ming N.Y. 1	3093 Author	ization N	o. N/A Date N/A	
4. Ideni		iress m <u>CRD CONTRO</u>	מת מספ זו		.pnuon	Date IVA	
(b) A	pplicable Edition	of Section XI Util	lized for Rep	19 <u>55</u> Editio	ts 19 <u>83</u> ,	Addenda, N/A Cod Sum. '83 ADD.	le Case
ME OF MPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Replaced, or Replacement	ASME Code Stamped (Yes or No
26-	General Electric	71-336	N/A	NC02 CLASS 1	-1967	REPLACEMENT	Yes
				,			
			•				*
			—·				
7. Descriper ASM	ription of Work I	Replace Control Ro Work Order 96-04	od Drive with 4374-00 at c	ı rebuilt spare as pa ore location 26-03.	rt of prev	ventive maintenance. R	eplaced CF
8. Tests	Conducted:						
F	Hydrostatic 🗆 Pr	neumatic 🗆 Nomi	inal Operatin	ig Pressure 🗆 Te	st Proce	dure: N1-IST-LK-101	lat .
	Other Pres	ssure <u>1044.6 PSIG</u>					

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



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-336 replaced by serial no. 71-519. VT-2 per NDE Report No. 1-2.01-97-0136.

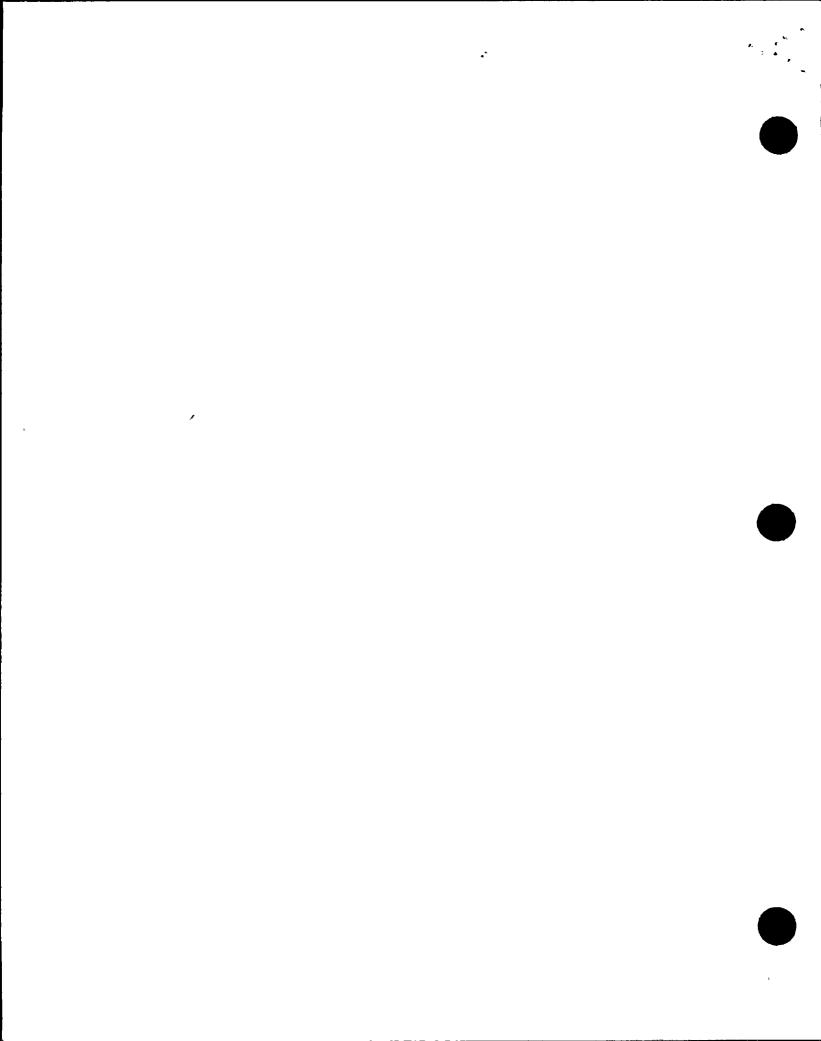
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed Date 7.21, 19 97
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, 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>11115/96</u> to <u>7/23/87</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.
Zym D Orlum Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

(12/82)

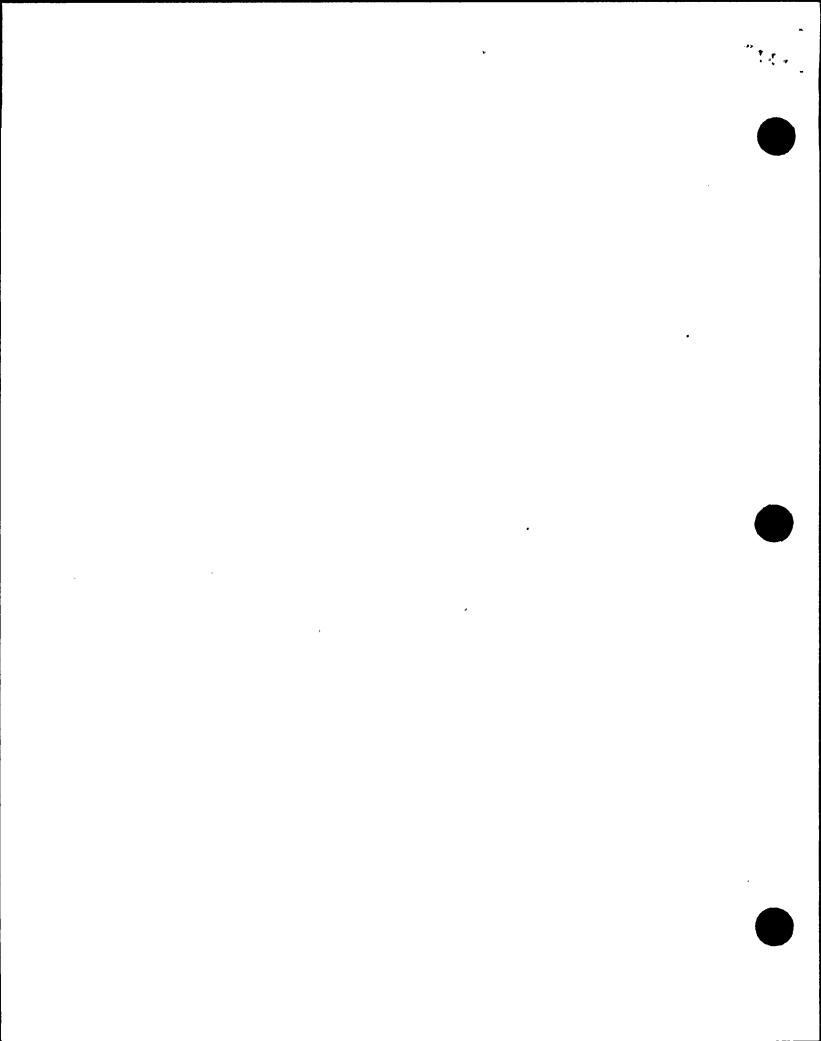
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

	াফ্র ,
Ceneral Flectric Co. ADER 175 Owtner Aves San Jose: Colisci-	
a) Manufactured by General Electric Co., APED, 175 Ourtner Ave; San Jose, Californ	17.8
(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reacto (Name and address of manufacturer of belief of vessel) Ningra Mc 2. Identification-Manufacturer's Serial No. of Part Please see serial numbers below	or at Showk Unit
2. Identification—Manufacturer's Serial No. of PartF10056_366 Selfat lamburs Delow	
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Pet	erson
. (h) Description of Part Inspected Control Rod Drive '	T
3. Remarks Fabricated and inspected in accordan co with Section VIII and applicable	nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter	r dated .
July 14, 1966.	;
See sketch showing configuration and materials used. Hydro tested at 2110	psi *
•	••
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construct workmanship of this vessel conform to the ASME Code. Date July 25 19 67 Signed General Electric Co. 11y (Representative)	. ^
CERTIFICATE OF SHOP INSPECTION	
I, the undersigned, helding a raild commission issuedby the Notional Board of Heiler and Pressure Vessel Inspectors	and/or the
State of CALIFORNIA and employed by Division of Industrial Safety Department of Industrial Relations have inspected the part of a pressure resset description.	
manufacturer's partial data report on	
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASME Boiler of Vessel Code.	od Protouro
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concern described in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be lights in	ing the port
for any personal injury or property damage or a loss of any hind arising from or connected with this inspection.	
The part of the state of the st	
71: - 334 (337 (338) 341 (348 ,349 ,368 (399) (399) 410 ,417 ,419 ,428 ,430 (433 436 ,440) 442 ,449 263 1464 (368) 471 (472) 473 ,474 (475) 476 (380) 480 ,194 ,492 (500) 500 (511) 514 (519 ,52) 540 (543) 552 (555) 556 ,562 (563) 564 (566) 569 (577 4573) 578 (582) 583 (583) 585 (589) 595 (595) 596 (527) 678 (639) 650 (631) 658 (659) 661) 662	
(671)676787632370117051707171917223729373432	
(198)(526)(560), (592)(614)(625) (533)(664)723)	
(344) 659) (615) (237) (330) (338) (657) (716)	



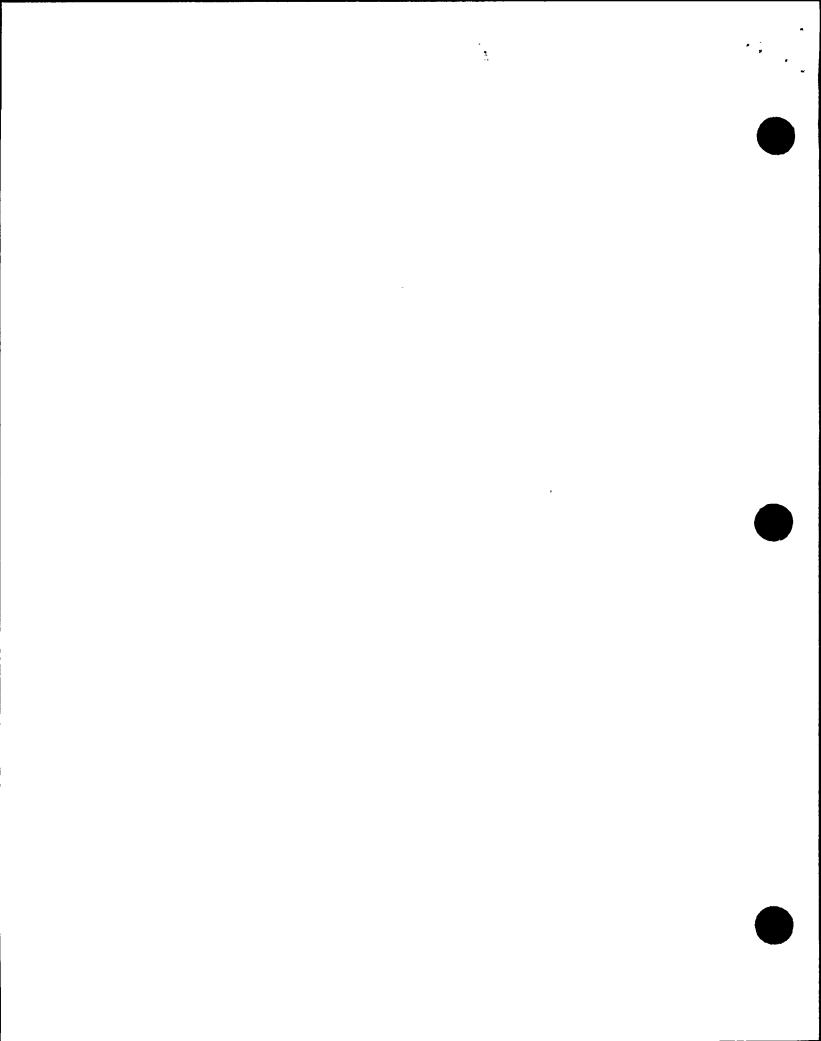
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v to be con Y VALVE SiSt to (Inlet)	opicied for all OUTLETS:	Number	ne applicable.	Size	iel 1	Loc	Reinfarcement Hoterial	Attoche
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ile working v to be con Y VALVE I:St	opleted for al	Sumber	re applicable.	Size .		La	Reinfertement	Here
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laterial		T.S _z		Nominal Thickness	Corrosio In. Allowanc	a eIn. Diam.	Ft la. Les	gth_Fr
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	laterial (No. 100) Welded, Dut Sirth (a) Materia CLOSURI ted for mane working (Incl. to be constituted for the constitute	(Kind and Spec.) (Kind and Spec.) (Chaterial	(Kind and Spec. No.) (Kind and Spec. No.) (Fig. or 1 (No. 11.T. 11.T. 12.T. 11.T. 12.T.	Akind and Spec. No. (Fig. or F.B. h Spec. Min. on g. H.T. X.R.	And Material T.S. (b) Material T.S. (Describe as egre & weld, bar, etc. If be completed for tube sections. CLOSURE: (Describe as egre & weld, bar, etc. If be completed for tube sections. (Subject Material T.S. (Material T.S.) (Subject Material T.S.) (Material T.S.) (M	inth II.T. X.R. Sectioned (a) Material T.S. (b) Material Conical Redus Redus Redus Retie Conical Reties Conical Redus Reties Conical Reties Conical Reties Conical Reties (Material, Syst., No. T.S., Sire, Number) LTS: (Material) (Mind & Spec. No.) (Mind & Material) (Mind & Material) (Mind & Mind	Interial T.S. Thickness In. Allowance In. Diam. In.	in th



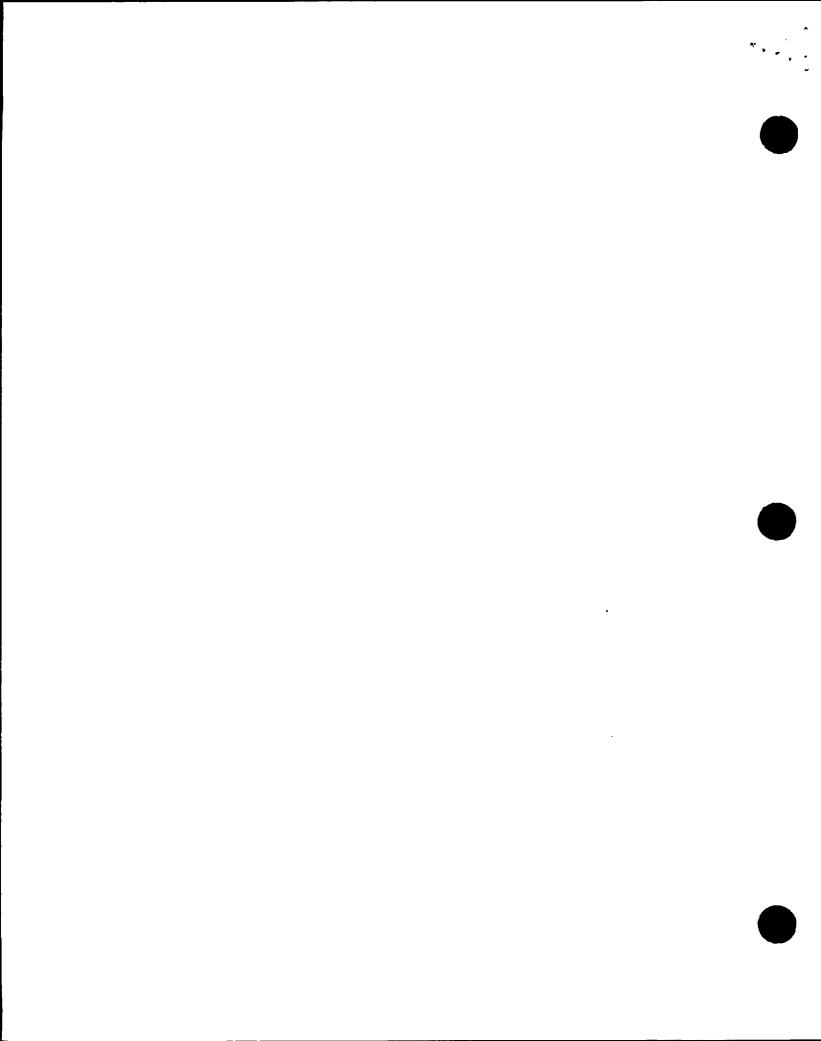
00424 0254

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

1. (a) Vanufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
Agent and educate at mentioning of health
(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
2. Identification-Manufacturer's Serial No. of Part 71: -34367 679 579 579 (90 753,538) 549,551 561,655 67
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Pierared by GE, APED: D.L. Peterson
(h) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
Te certify that the statements made in this manufacturer's partial data report are correct and that all details of interials, construction, and workmanship of this vessel conform to the ASME Code. July 31c 19 67 Signed General Electric Co. (Manufacturer) tifficate of Authorization Expires December 31 19 67 CERTIFICATE OF SHOP INSPECTION
1, the undersigned, holding a valid commission issued by the National front of Bodies and Treasure Vessel Inspectors and for the state of CALIFORNIA and employed by Division of Inclustrial Safety of Department of Inclustrial Relations have inspected the part of a pressure seased described in this manufacturer's partial data report on



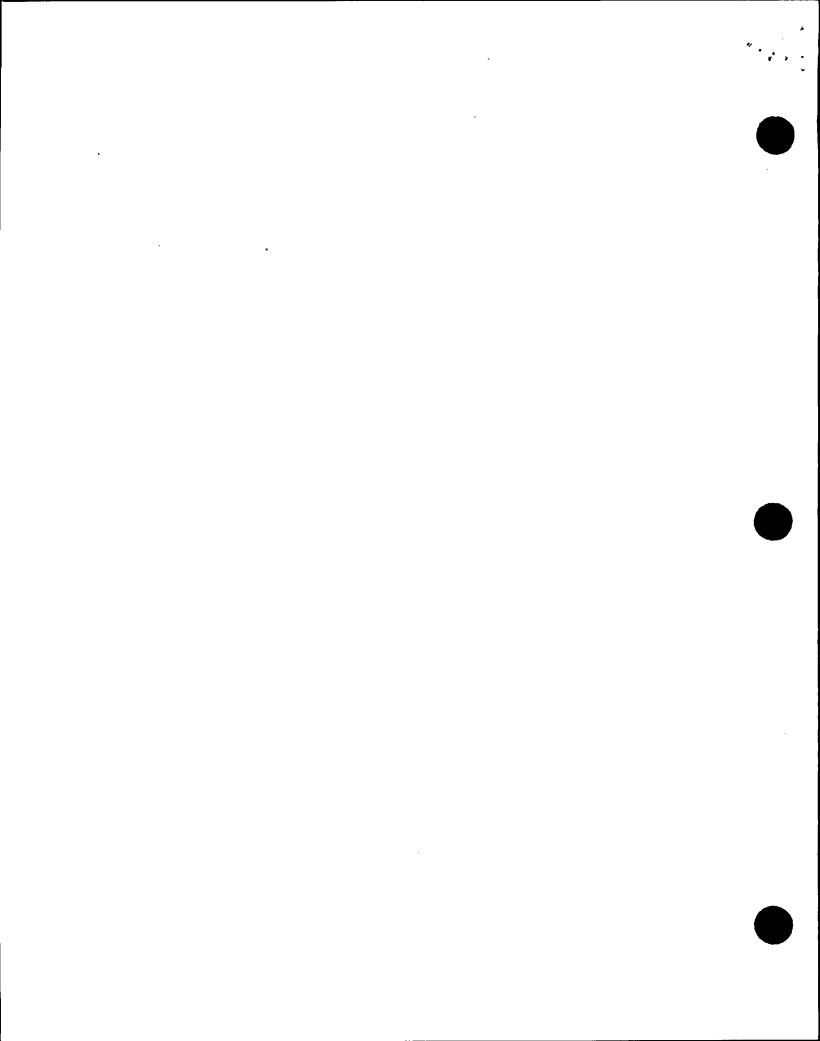
THIS PORT	NOT APPL	TCARIF - S	FE BUIEPS	MNT_237F	779.GL	ND_SITEDIAL	shells of heat	exchangers.
4. SHELL: Material (Kin	J and Spec. No.)	T.S. (7 4. or 7.B.	No Ti 4 Spec. Min . T.S	minal nickness l.)	Corrosi _la. Allowa	oa aceIn. Diam	Ft In. L	ength_FtIn
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6. HEADS: (a) Material_		T.S.		(b) Material	Sectioned	,,10. 01 (OUR 163	T.S
Location . (Top.hutten, ends) Th	iickness (R	Crown K Redius R	nuckie E adaus	litotical Rotter	Conical Aper engle	Hemispherical Radius	Flat S Diameter (Co	ide to Presure mes or Concave
(a)								
(b) If removable, bolts us	ed (Naterial, 5	rrc. No. T.3., 3	ice, Number)	Other faste	ening	(Describe of At	lach Sketch)	
7. STAYBOLTS: (Vale								Diam. (Hominal)
8. JACKET CLOSURE:		(Describe	as oger & well	d, ber, etc.ll	हें. इ.स. दोल्ड डॉक्स	nations, if bolted	, describe er akel	ch)
9. Constructed for max. allowable working pr	ess. ¹ 1	250	psi at max. re	mp•57	<u>\$</u> °.F.	Min. temp. (wh less than -20	ស៊ី	o;
rems/10 and 11 to be co	mplesed for sub	e sections.						
10. TUBE SHEETS: State	ionary. Materia	al King K'sp	ee. 95.5	Diai (Sub	m. Jec i to Piesa	n. Thickness_	In. Attachm	ent (Wolded, Dolled
¹ -le	ating. Materi	बी.—ह्यास्ट्रास्ट्र के	ec 453	Dia	m 1	n. Thickness	In. Attachm	eat <u> </u>
11. TUBES: Material	. (1	101100 - 07	la. Thick	0044	Inches	Number	· Two	•
ltems 12-15 incl. to be	nd A Frec. No.	one chambers	_ in. thick	resseis, or c	bannels of h	cat est hancets	- · 'N'	(अल्प्स्स न्य)
VIII.L.: Material	nit and Spec. Nu	T.S.	Non Thic Espec. Min. T.:	inal kness	Cortosia In. Allowan	n ce,In, Diam.	FtIn. Len	gthFtsl
13. SEAMS: Long (Weifed, Date	. Single, Lap. Bi	Zill.T. TYPE	7 X.R.	<u>.</u> (د) در در در در	ectioned_79	Fflicie	ncy;	fully on to
强 , Ginh		. н.т	X.R	×	ectioned	· No. of		Irm.
14. HEADS: (a) Materia								
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(a) Top, bottom, end								
(b) Channel - (c) Floating			_					
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				Oth				
						(Describe o	न्त्राक्ति उद्देशका कोवन	
15. Constructed for material allowable working (ress	*****	psi at max. to	mp•		Min. temp. (F. less than -	200)	·
Items below to be comp			applicable.	 		•	•	
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17. NOZZI FS:		Diam. or Sier		Mot		Thichness.	Reinferement Meterial	How
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18. INSPICTION MAN				_				
18. INSPICTION MAN	noics, No dhales, No.		\i/e	l	Auration			
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19. St PPORTS: Skin	TOWNS TO THE	l.wg		114	min-ii	(hhet n	Ded. 1.6-110	iached Where K
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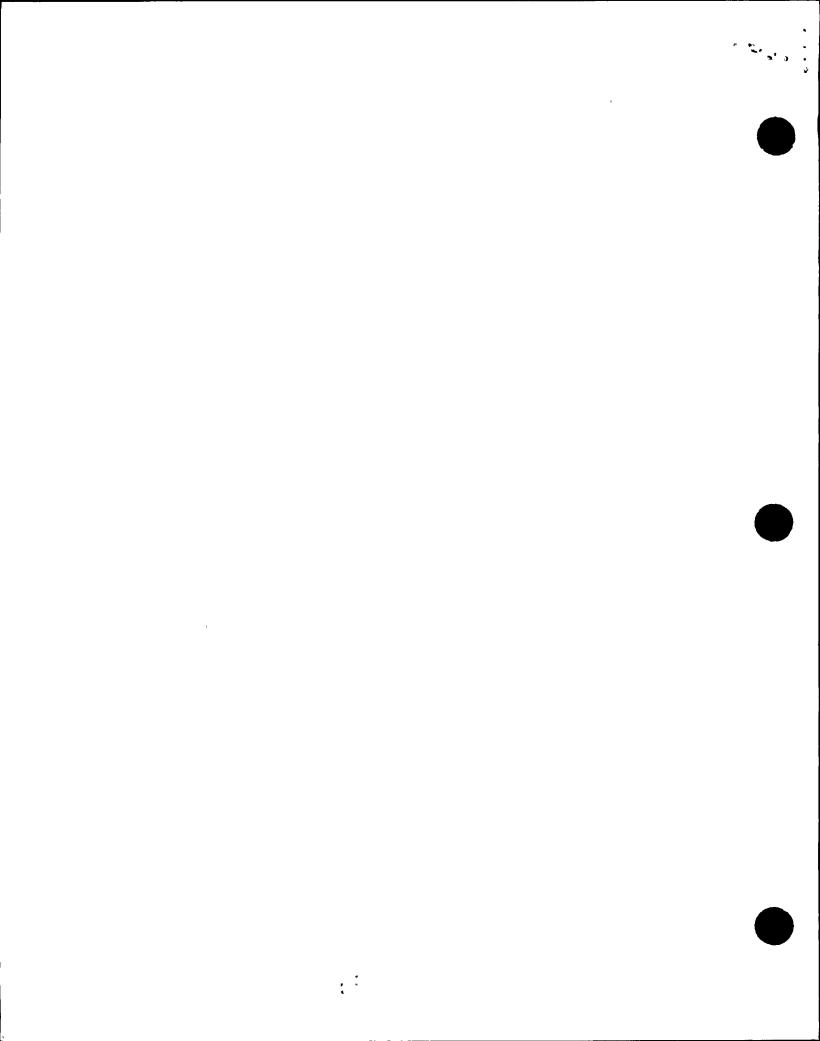
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

(a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
(Name and address of manufacturer of part) (Name and address of manufacturer of part) (Name and address of manufacturer of boiler or Cessel) (Name and address of manufacturer of boiler or Cessel) Mohawk Unit 1 2. Identification-Manufacturer's Serial No. of Part 71: - 484 s 539
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE. APED: D. L. Poterson
(b) Description of Part InspectedControl Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details at materials, construction, and workmanship of this vessel conform to the ASME Code.
ate August 8 19 67 Signed General Electric Co. 11, -7, (2, 5)
Conficate of Authorization Express December 31 19 67
CERTIFICATE OF SHOP INSPECTION
Lithe understaned, hilding a valid commission issued by the Notional Brand of Notional Pressure Vessel Inspectors and/or the State of CALIFORNIA and employed by Division of Inclustrial Safety of
Department of Industrial Relations here inspected the part of a pressure sessel described in this
manufacturer's partial data report on
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASMF Holler and Prossure Vessel Code.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part
described in this manufacturer's partial data 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
This property standing Commissions () () & ()



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Girth	·	II.T.	x.x	Se	ctioned	No. of Co	ourses	form.
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ems 12–15 incl. to be	completed for	inner chambers	of tacketed v	ressels, or chi	innels of h	rat cai hangers.	: 	
ems 12–15 incl. to be	completed for	more chambers	of tacketed v	inal	Corrosin	rat cachangers.	Ft. In Inc	eth. Fo.
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2. SHELL: Material	lind and Spec. N	T.S.	Nea Thic Spic. Min. T.1	inal cknessl 6.)	Corrosin n. Allowand	n :eln, Diam	_FtIn. Len	RihFi
2. SHELL: Material (1) 3. SEAMS: Long (Welded, 2)	tind and Spec. N	n. T.S. n. Yig.qrF.W.B II.T. (Yee or _ H.T	Nom Thic (3500.360). T.d 'Not X.R (3500 X.R.	tinal cknessli s.) cor Complete) See	Corrosing Allowand Al	n	_ Fr In. Len	gthFt If siveted seribe ace fully on verse aide form.
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

A		As Required	by the Provi	sions of the ASME Co	de Sectio	n XI	
1. Own		awk Power Corpor	ation	Date _	March 2	1, 1997	
	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	13093 Sh	eet	of	_1
2. Plant	Nine Mile I Na			Unit1	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
<u>P.O.</u>	Box 63 Lycomir Addr	ng, New York 130 ress	093	<u>M</u> Repai	ech. Ma r Organi	int. Work Order No. 9 zation P.O. No., Job N	96-03846-00 o., etc.
	Nine Mile Point F	Niagara Mohawk Name P.O. Box 63 Lycor Iress		Authori	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	pplicable Construpplicable Edition	of Section XI Util	B31.1 ized for Rep		s 19 <u>83,</u>		 le Case
AME 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
AD 26-	General Electric	71-612	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
7. Descriper ASN	ription of Work I	Replace Control Ro Work Order 96-03	od Drive with	n rebuilt spare as parore location 26-27.	rt of prev	ventive maintenance. R	eplaced CRI
8. Tests	Conducted:	neumatic 🗆 Nomi			st Proces	dure: N1-IST-LK-101	
	Other Pres	ssure <u>1044.6 PSIG</u>	Test Tem	p. <u>226 Deg.</u>	o F	used provided (1) size	_

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



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

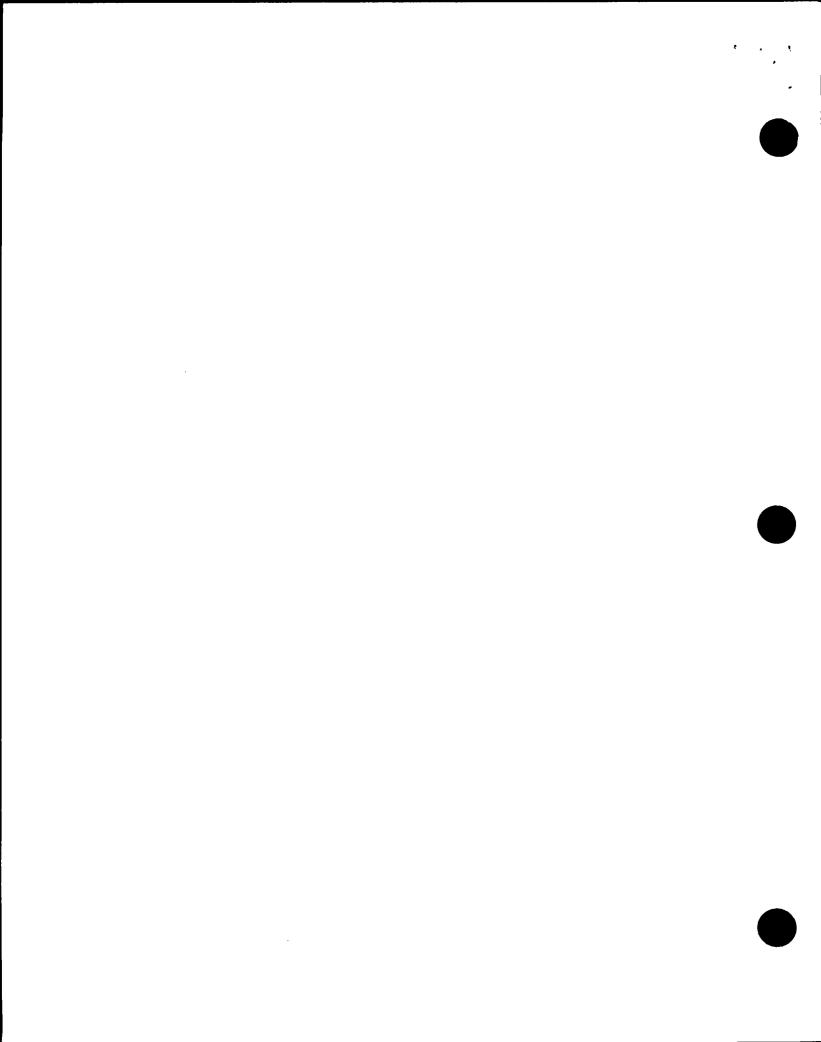
9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-612 replaced by serial no. 71-636. VT-2 per NDE Report No. 1-2.01-97-0136.

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
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 1/21/96 to 7/23/97, 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.
Localism Commissions N 10 8 49 6 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

(12/82)

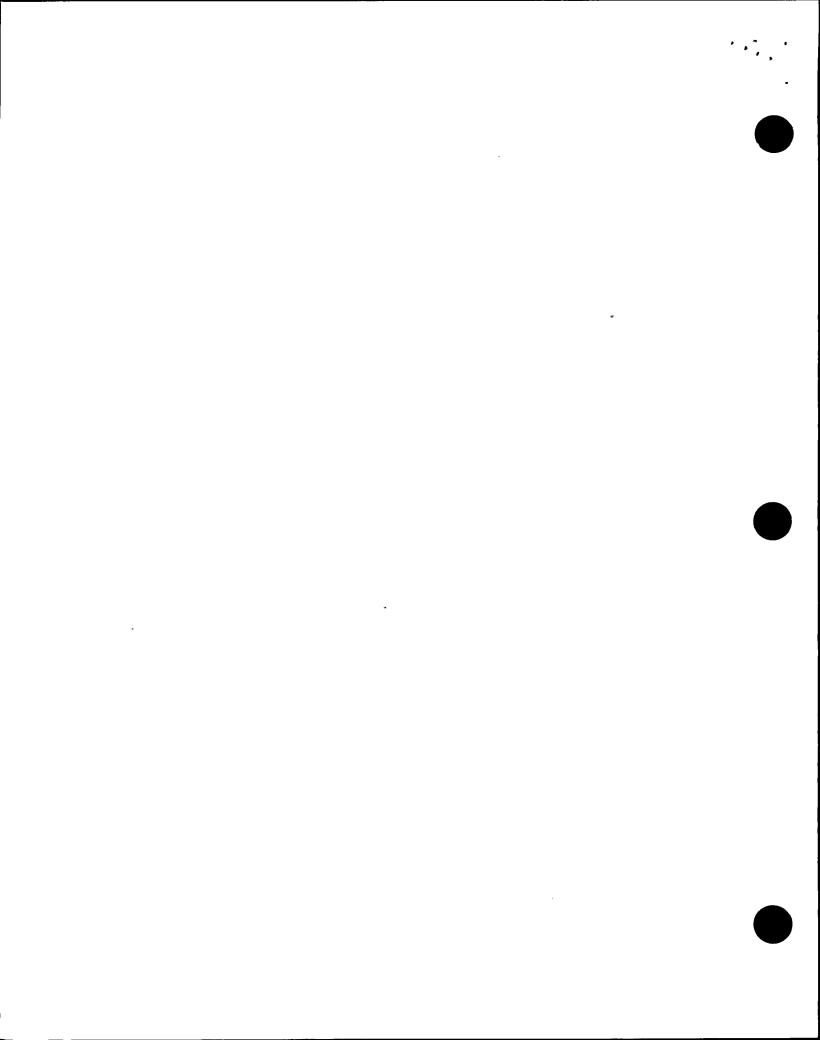
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

147
Central Flactule Co. ADED 175 Owntoen Aves Son Tore: Colificials
a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose; California (Name and address of meadlettwee of pert)
(b) Manufactured for Stock item - standard part for use with GE Boiling Mater Reactor at (Hame and address of manufacture of beller or vessel) Ningra Mohauk Unit
2. Identification-Manufacturer's Serial No. of Part Please see serial numbers below
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson
. (b) Description of Part Inspected Control Rod Drive '
3. Remarks Fabricated and inspected in accordan co with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
••
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code. Date July 25 19 67 Signed General Electric Co. 11y (Representative)
itilicate of Authorization Expires December 31, 19 67
Attiticate of Authorization Expires 200011002 027
•
CERTIFICATE OF SHOP INSPECTION
I, the understanced, holding a valid commission tenued by the National Board of States and Pressure Vessel Inspectors and/or the State of CALIFORNIA and employed by Division of Industrial Safaty of
Department of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data report on
manufacturer's partial data report on
Versel Code.
By algaling this certificate, neither the Inspector nor his employer makes any merinary, expressed or implied, concerning the part described in this manufacturer's portial data report. Furthermore, neither the inspector nor his employer shall be liable in any menner
for any personal injury or property damage or a less of any hind arising from or connected with thir inspection.
Date
71: - 334/337/338/31)(348,1349,368)(99)(99)(417,419,428,430)(436,440),442,449,457,462,
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(b)					ening	(Deacethe or At	iach Skeichl	
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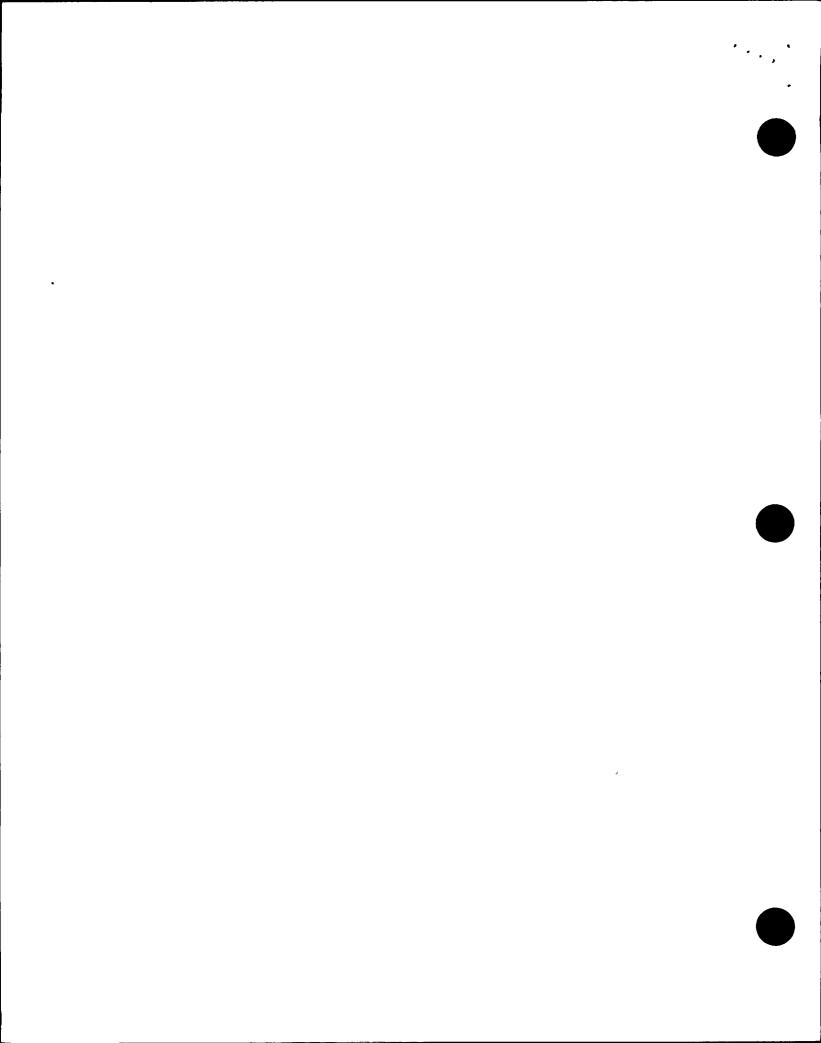
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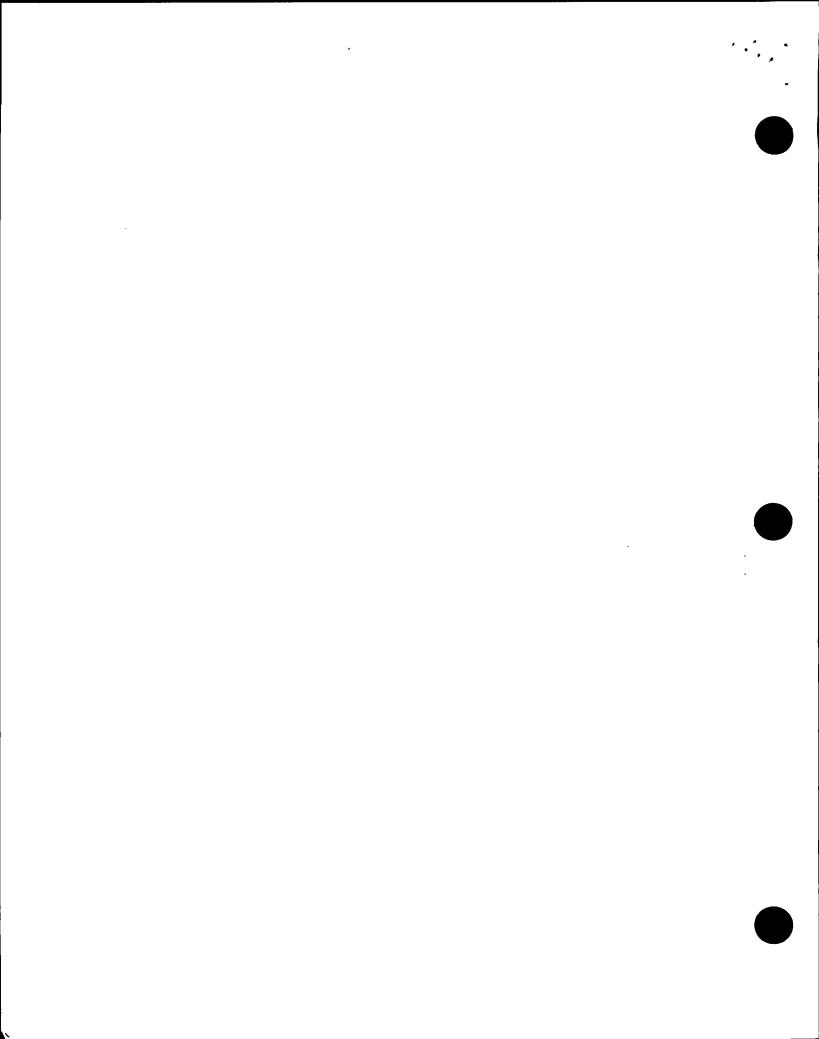
00424 0254

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

1. (a) Vanufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(b) Manufactured for
2. Identification-Manufacturer's Serial No. of Part 71: -34367 579 579 498 753 538 641 569 551 561 655 67
(a) Constructed According to Blueprine No. 237E179 G1 612, 750, 525 B.P. Prepared by GE, APED: D.L. Peterson
(b) Description of Part Inspected. Control Rod Drive :
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details of naterials, construction, and
workmanship of this vessel conform to the ASME Code.
Pate July 31¢ 19 67 Signed General Electric Co. (IV 19 (Keprosentative)
(Manuacture) (Kepresonative)
tificate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION
1, the understaned, holding a valid commission issued by the Notional found of Bodie and Pressure Vetert Inspectors and on the State of CALIFORNIA and employed by Division of Inclustrial Safety of
Department of Industrial Relations have inspected the part of a pressure vessel described in this
menulacturer's partial data report on
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the AREE Boiler and Pressure
Nevert Cade.
By signing this certificate, newher the inspector nor his employer makes any marranty, especially or implied, concerning the part described in this manufacturer's partial data report. Furthermore, neither the inspection nor his employer shall be liable in any manufacturer.
for any personal injury or property damage or a loss of any hind seleing from or connected with this inspection.
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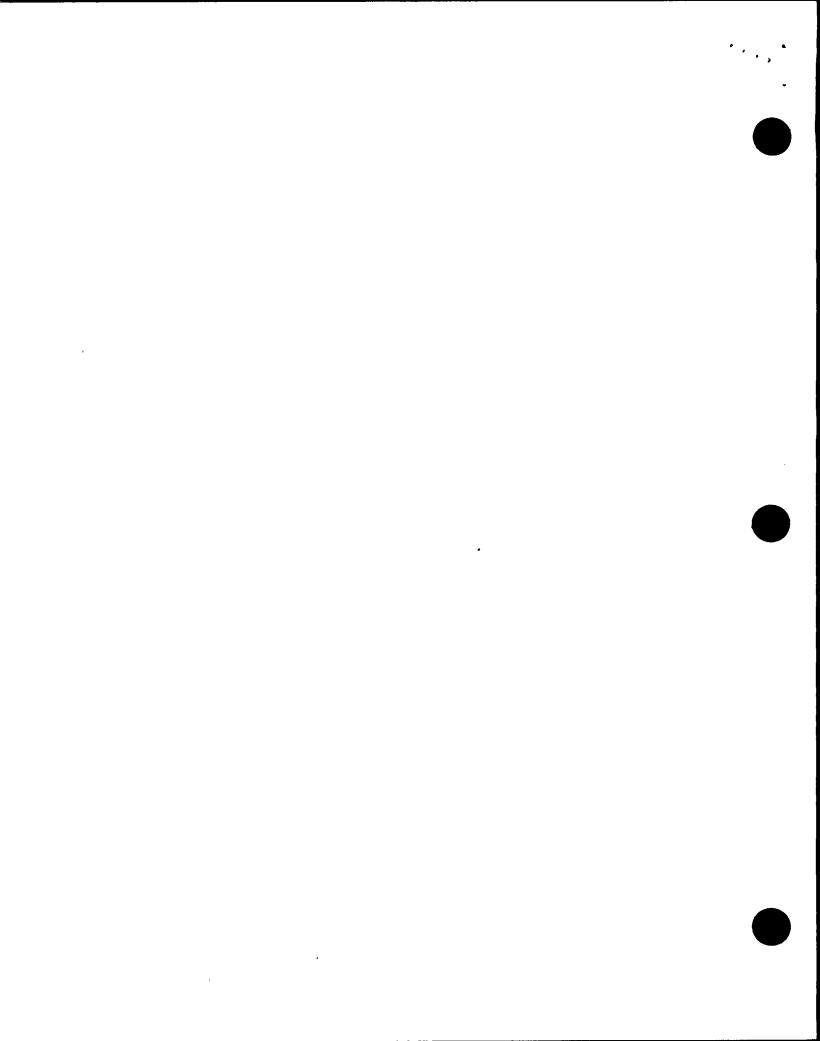
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

(a) Man	ufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
	ulactured for Stock item - standard part for use with GE Boiling Mater Reactor at Nisor (Rame and address of measulecturer of botter or Vescel) Mohawk Unit 1 cation-Manufacturer's Serial No. of Part 71: - 484, 539
	structed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D. L. Poterson
(b) Des	cription of Part InspectedControl Roi Drive
3. Remark	. Fabricated and inspected in accordance with Section VIII and applicable nuclear
cod	e cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
	y 14, 1966.
,	
<u>. Sec</u>	sketch showing configuration and materials used. living tested at 2110 psi
We ce	tilly that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
	August 8 19 67 Signed General Electric Co. 11, - 7, (2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
The .	
Confica	te of Authorization Expires December 31 19 67
	CERTIFICATE OF SHOP INSPECTION
<i>}</i>	1, the undersigned, holding a valid community is never the Notional Board of Notice and Pressure Vessel Inspectors and/or the state of <u>CALIFORNIA</u> and employed by <u>Division of Inclustrial Sufety</u> of
	Department of Industrial Relations have inspected the past of a prossure vessel described in this manufacturer's partial data report on
-	and belief, the manufacturer has constructed this part in occordance with the applicable sections of the ASUF Hailer and Pressure
	Vessel Code. By eigning this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part
	described in this manufacturer's partial data report. Furthermore, norther the inspector nor his employer shall be liable in any manner
•	for any personal injury or property famage or a loss of any hind arising from or connected with thir Inspection
	Dote



THIS FORM N	·** ·	unga o a	U-2 (back)	7773 Marzana San		
items 4-9 incl. to be complete						est exchangers.
4. SITELL: Material	T.S	%	ominal hicknessf	Corresion n. Allowance	In. DiamFt In	n. LengthFf1
EAMS: Long (Welded, Dail, sing)	II.T.	X.R. (\$500	Ser Gomplite)	ctioned (Yes or N	Efficiency No. of Courses	% ecribe erams fully on re-
G-HEADS: (a) Material		T.5	(b) Material	ctioned	, No. 01 C.OURSES	T.S
(Top, bottom, ends) Thicks	Cruen Redius	Knuckie I Rednis	Ciliptical Relie A	Conical Hom pex angle I	tepherical Flat tedius Diameter	Side to Pressure (Convex or Concav
(b)						-
Il removable, bolts used			_Other fasten	ing	ribe of Attach Sketch)	
". STAYBOLTS:						
9. Constructed for max. Allowable working press.	, 1250	nei at max. to	id, par, etc. II be	retire dimensions Min. °F. Ican	, if bolted, describe or temp. (when than -20)	sketch)
Items 10 and 11 to be comple						
10. TUBE SHEETS: Station: Floatin 11. TUBES: Material	g. Material Kir	1 & Spec. No.)	Diam.	In. Th	ickness In. Attac	.hment
tems 12-15, incl. to be com	pleted for inner chi	smbers of tacketed	vessels, or cha	innels of heat ea	changers.	
12. SHELL: Material						I II (Iveted G
13. SEAMS: Long (Welded, Boll, Sid	ngie. Lep. Hoti	(४०० ल सर्ग रू.सं(४५०	त वर एक्स्क्रात हैं।	Housed - Nee of H	I lliciency	fully on t
Girth	11.T	X.R	%r	timel	No. ul courses	lem.
14. HEADS: (a) Material			crial			T.S Side to Present
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*			Other .	fastening	To beetho" for Attack " shore in . temp. (when an than -20)	ы
items helow to be complete					,	
16. SAFETY VALVE OUT					Location	
17. NOZZI ES:	umbri Diam.	ersies Type	Meteri	el Thick	Remierren 1988 Merrial	nt Hew
	les, So,	4/c	1.00	ation		المطلب المراجع والمناس والمناسب المراجع المناسب المراجع المرا
Thread	ed, 500 ,	NM	l.e	ation		

. the offer from the ASMI, 1851 Ath Str. New York, N.Y.

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Owne	r <u>Niagara Mohav</u> Name	vk Power Corporation	D	ate <u>March 21, 1997</u>	•		
<u> </u>	line Mile Point P.	O. Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	_1	
2. Plant	Nine Mile Po Name	int	Unit	1		<u>_</u>	
<u>P.O.</u>	Box 63 Lycoming Address	New York 13093		Mech. Maint. Worl Repair Organizatio	Order N	o. 96-02662-04 ., Job Ho., etc.	•
<u>N</u>	ine Mile Point P.C Addres	-	13093 Authori	pe Code Symbol Stan zation No. <u>N/A</u> Expiration Date <u>N/</u>	-		
5. (a) A _l (b) Ap	oplicable Construc oplicable Edition o	CRD CONTROL ROD I tion Code ASA B31.1 f Section XI Utilized for Replaced onents Repaired or Replace	19 <u>55</u> E epairs or Repla	cements 19 <u>83. Sum.</u>			• ₹
E of Pnent	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASMI Code Stam (Yes or 1
D 26-39	General Electric	71-646	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
.• 							
7. Descr (1 ea.) 1	iption of Work Re lange capscrew po	place Control Rod Drive ver ASME Work Plan in Wo	vith rebuilt spar ork Order 96-02	e as part of preventive 2662-04 at core location	maintena on 26-39.	unce. Replaced CRD	and
	Conducted:			m . D . L N	/1 TOT T 1/		
•		umatic □ Nominal Operat re 1044.6 PSIG Test Ter			п-191-ГК	<u> </u>	

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



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

9. Remarks: This was not a service failure. Replaced one (1) flange capscrew due to worn allenhead, heat Code MI for capscrew. VT-1 for ISI per NDE Report No. 1-2.01-97-0089 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for capscrew (1ea.). CRD exchanged as part of preventive maintenance. Serial No. 71-646 replaced by serial no. 71-638. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

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 St 6 Lula For 5-0071, MANAGER HAWT-UI Date 7(29, 19-97) 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 1119 for or 130 for many 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 Daylus Commissions NB 8 496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

(12/82)

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

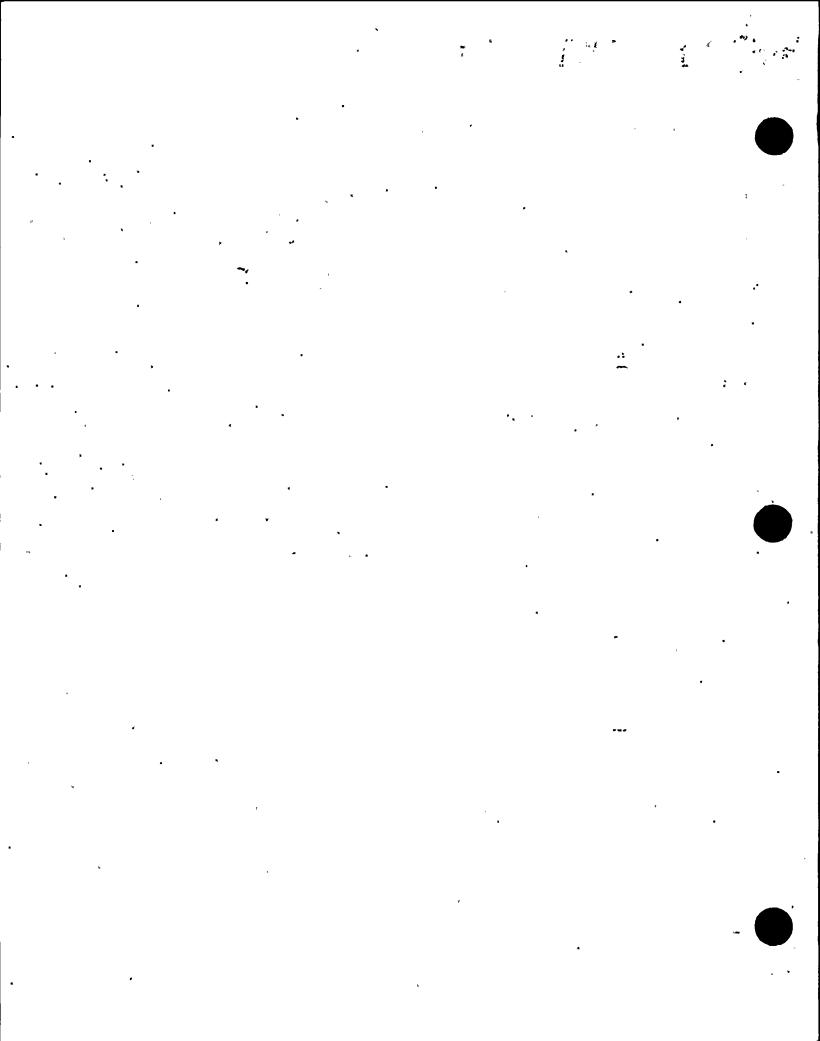
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ylanulaci	ured byGeneral Elect	ric Co., APED, 175	Curtner Ave	; San Jose; (California	
(b) Manufact	wed for Stock item -	standard part for	use with GE	Boiling Water	Reactor at	
	n-Manufacturer's Serial No. of				mar women o	<u></u>
×4.	ted According to Blueprint No.	•).L. Peterson	•
	•		h' Liebereg ph''''	· ·		
(h) Descript	ion of Part Inspected -	Control Rod Drive	· · · · · · · · · · · · · · · · · · ·			
3. Remarks _E	abricated and inspect	ed in accordan ce	with Section	VIII and ap	plicable nucle	<u>ar</u>
code_cr	ses (1270-N) with exc	eptions as agreed	upon with ou	stoner, Ref	. letter dated	<u>.</u>
	1966.	•	,		· .	1
	etch showing configure	etian and materials		holm tested	et 2110 psi	**
See ski	sten snowing contigue	ecton and material	, useu	1/010 003000	••	
	hat the statements made in this ma	and a second a second data second	en compressed that	ell details of more	ale, construction, and	
workmanship of	this vessel conform to the ASME C	iose:		•		2
Des Jul	y 25 19 67 s	igned General Elec	tric Co. n	1-19.60	c.Tenk	<u>ب۔</u>
	Authorization Expires Dece	mber 31.	·) 6 7	(Rep	regrative)	
Tificate of	Various Exhites			. ,	•	•
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	i, the undersigned, helding a vali	CERTIFICATE OF SI			el lacaceters and/or th	.
Sta	california	ond employed by	Division of	Industrial S	rety	-
1	partment of Industria	1 Relations			vessel described in thi he best of my knowleds	
	t belief, the manufacturer has con	etructed this port in accorda	nce with the applicab	le sections of the Al	ME Boiler and Pressu	~
41. V	esel Code. By signing this certificate, next	, aasha taasaasaa saa biis assals		er, case rseed or imp	lied, generaling the pe	_
< de		al data report. Furthermore. w			t be lieble in any morn	
7 . 10	any personal injury or property de	rage or a less of any hind arti	ling from or connecte	d with thir inspection		.
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• •	ineless to a way.	~ ^ ~			2:26:4	
71: - 334	4337(338)34) (348,349,	308,699,699,410,41	7,419,428,430),434,436,440),567,517,51	1442, 449, 457, YETO 531, 629, 6	1623
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	(4) 559) 615) 777 33	A TEND KERT TOLL			<u> </u>	

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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

Consent Florance Co. ADED 175 Company Aven Con Jose Colliferation
1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Nome and address of manufacturer of part)
(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at
(Heart and address of manufacturer of hotter or tracel NINGER HOTHER UIL)
2. Identification-Nanufacturer's Serial No. of Part 71: -3436747957959943534549538541,549551561,6556
(a) Constitucted Actording to Phieprint No. 237E179 G1 -612, 750, 525 B.P. Prepared by GE, APED: D.L. Peterson
·
(b) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
and another property and the processes and the control of the cont
Fe certify that the atatements made to this manufacturer's partial data report are correct and that all details of materials, construction, and
workmanship of this vessel conform to the ASME Code.
July 31c 67 General Electric Co.
te July 316 19 67 signed General Electric Co. nv 19 (Keptelermantee)
tificate of Authorization Expires December 31 . 19 67
Titicate of Authorization Expires
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the Nettengl freed of Moder to the Program of Income Vessel Inspectors and for the
State of CALIFORNIA and employed by Division of Industrial Safety
Department of Industrial Relations here inspected the part of a pressure sessed described in this
menulecturer's partial data report on
and belief, the manufacturer has constructed this pert in accordance with the applicable sections of the ASSE Boiler and Procesure
Vessel Cate.
By signing this certificate, no shor the inspector nor his employer makes any marranty, expressed in implied, concerning the part
described in this manufacturer's partial data report. Furthermore, neither the Inspection nor his employer shall be liable in any manner
for any personal injury or property damage or a look of any hind arising from ay connected with this inspection.
Date 4-17 1067
Correlations (Constitution of the Constitutio
Inepetings Signature And I some or many one no.
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. SHELL: Material'	(Vint and Con-	1.S.	No Th	minal ickaessl	Corrosio Allowan	a ccIn. Dia	mFt ia. I	.engthFt
EAMS: Long	bl. Bingle, Lep.	Bust) (Yee es	Noji X.R.	Sec (er Complete)	tioned (Yei	Efficien	7cy	p scribe seam
Girch	rial	H.T	X.K	(b) Marerial			ontes	T.S.
HEADS: (a) Mater	Thickness	Crewn X Redius J	inuckie - El	librical (Control pes ongle	Hemispherica Redius	l Flat ! Diameter (C	lide to Pressu cover or Conce
(a)								
If removable, boli		~,						
. STAYROLTS:	(Material)	If hollow (Size of i	Attachment _	(Threaderl, Bel	Picc Ira)	h <u>.</u> सक्ता-	X (Veil.)	Diam. (Homina
B. JACKET CLOSE	RE:	(Describe	49 0600 h mo ld	i, bar, etc. [[bar	COT SIECE	elene, if believe	I, describe er ske	ich)
allowable workin	k biezz.,	1250	psi at max. (e)	mp• <u>575</u>	°F.	Min. (emp. (h) less than -20)8§	•
rms 10 and 11 to be	e completed for	tulic sections.		 				· · · · ·
o. TUBE SHEETS:					•		>	_
		rerial Kins & 30						
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ems 12-15 incl. to	be completed t	or inner chamberi	of sachesed v		-1.			(MIRHW OF U
		•	Noon Thic Aspec. Uin. 7,5	mal knessla, '	Carrosion Allawance	rIn. Diam.	FtIn. L.cn	I If elvated
3. SEAMS: Long Welled.	Dhl., Single, Lap	THE TYPE	Nome Three A Spec. Him. T. S or No. 1.	mal knessla. } or Complete)	Corresion Allowance ioned	r,ln, Diam.	ttin. Len	frivoted or fully on verse side
3. SEAMS: Long Welled.	Dhl., Single, Lap	THE TYPE	Nome Three A Spec. Him. T. S or No. 1.	mal knessla. } or Complete)	Corresion Allowance ioned	r,ln, Diam.	ttin. Len	fully on
3. SEAMS: Long welled.	Dhl., Single, Lap	11.T. (Yes a	Nome Thic b Spec. Un. T.S w No. 1. X.R. 1. X.R. 1.	inal knessla, } cr Complete re Complete) Secti	Corresion Allowance ioned (Yes	r,In. Diam. or No. of (c) Mat	ttin. Len	or ivered scribe and fully an verse aids form.
3. SEANS: Long Welled. Girth 4. HEADS: (a) Main	Dhl., Single, Lep	II.T. (Yee o	Norm Thic A Spec. Min. T. S or No. 1. X.R. Y.R. (Spec X.R. (b) Mater Koorble Redice	mal knessla, } Complete or Complete) rial E'liptical Ratio	Corresion Allowance ioned (Yes ioned T.S. Control April ongle	r,In. Diam. or No. of (c) Mat	ttIn. Len	If riveted a scribe era fully en verse side form.
Girth Lecation (a) Top. bottom, (b) Channel	Dhl., Single, Lep	II.T. (Yes a	Norm Thic A Spec. Min. T. S or No. 1. X.R. Y.R. (Spec X.R. (b) Mater Koorble Redice	mal knessla, } Complete or Complete) rial E'liptical Ratio	Corresion Allowance ioned (Yes ioned T.S. Control April ongle	r,In. Diam. or No. of (c) Mat	ttIn. Len	of frivoted scribe ser fully on verse side form.
3. SEAMS: Long Welled, Welled, Welled, 4. HEADS: (a) Man Lecation (a) Top, bottom, (b) Channel (c) Hoating	Thickness	II.T. (Yes a	Norm Thic A Spec. Min. T. S or NO. X.R. (Spec X.R. (b) Mater Knorkle Redice	real knessla, } Section Complete) Section E'liptical Ratio	Control on the control on the control on the control on the control of the control of the control on the contro	No. of Homes	ttIn. Len	or ivered scribe and fully an verse aids form.
3. SEANS: Long Welled, Welled, Girth 4. HEADS: (a) Mare Lecation (a) Top. bottom, (b) Channel (c) Hoating	Thickness	II.T. (Yes a	Norm Thic A Spec. Min. T. S or NO. X.R. (Spec X.R. (b) Mater Knorkle Redice	real thressla, Section Complete) real Section Ratio (b)	Control April 2016	No. of the Homispheric Reduce	ttIn. Len	If riveted oction of fully on verse side form.
Girth Lecation (a) Top. bottom, (b) Channel (c) Hoating If removable, bo	Thickness ends	(Natorial, Spec.)	Norm Thic A Spec. Min. T. S or NO. X.R. (Spec X.R. (b) Mater Knorkle Redice	real knessla, } Cecti or Complete) Secti rial Ratio (b: Chher (Control (Yes	No. of the Homispheric Reduce	ft in. i.en racy ? rowers erial Blat Disaster (6	or ivered scribe and fully an verse aids form.
Girth_ 4. HEADS: (a) Man (b) Channel (c) Hoating 11 removable, bo	Thickness ends	(H.T. (Yes a	Norm Thic Thic A Spec. Min. T. 8 or NO. X.R. (Spec. X.R. (b) Mater Ko. while Redice Vol. Y S., Sire, N.	real knessla, } Cecti or Complete) Secti rial Ratio (b: Chher (Control (Yes	No. of Homes Reduce	ft in. i.en racy ? rowers erial Blat Disaster (6	or ivered scribe and fully an verse aids form.
(a) Top, bottom, (b) Channel (c) I-loating If removable, bo	Thickness ends	II.T. (Yes a list) T.S. (Yes a	Norm Thic Thic A Spec. Min. T. 8 or NO. X.R. (Spec. X.R. (b) Mater Ko. while Redice Vol. Y S., Sire, N.	mal knessla, } Section Complete) rial Section Ratio (b) Other (Control (Yes	No. of (c) Wat Hemispheric Redius	ft in. i.en racy ? rowers erial Blat Disaster (6	or ivered scribe and fully an verse aids form.
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Girth	Thickness ends	II.T. (Yes a list)	Norm Thic Thic A Spec. Min. T. S W.R. (Spec. X.R. (Sp	mal knessla, } Section Complete) Field Section Ratio Cheer (Morena M	Control inned Type inn	(C) Wat Homispheric Redius (Describe - Min. temp. (- Lo	The lease of the land of the l	f riveted. scrabe eer fully en verse side fres. T.S. Side to Press convest or Con
Girth	Thickness ends	II.T. (Yes a list)	Norm Thic Thic A Spec. Min. T. 8 or No. 1. X.R. (Spec. X.R. (b) Mater Ko while Redice We . Y S . Sire. N. Type Sice	real knessla, } Cecti or Complete) Secti fial E'liptical Ratio Cher (Motoria Local	Corrosion Allowance ioned (Yes iones) T.S. Control Arra ongle	(Describe Min. temp.) (Describe Min. temp.) Lo	Ttin. i.en cacy? courses erial al Disactor (c which Meterial Remissrement Meterial	How Attaches
Girth Girth Girth Girth Girth Girth Lecation (a) Top. bottom, (b) Channel (c) Floating If removable, bottom allowable works tems bollow to be c 16. SAFITY VALV 17. NOVALY 17. NOVALY 18. INSPICTION	Thickness ends	II.T. (Yes a list)	Norm Thic Thic Aspection T.8 or No. X.R. or No. X.R. (b) Mater Knorkle Redice Redice Type Size Nice	real knessla, } Cecti or Complete) Secti fiel E'liptical Ratio Other (Moreria Loca Loca Loca	Controlioned (Yes	(Doscrito e Min. temp.) (Doscrito e Min. temp.) Lo		How Attaches

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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

1. (a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
(b) Manufactured for _Stock iten - standard part for use with GE Boiling Nater Reactor at Niago (Reac and appress of manufacturer of botter or vessel Mohawk Unit 1 2. Identification-Manufacturer's Serial No. of Part _71: - 484 . 539
2. Identification—Manufacturer 4 Serial No. of Part
(a) Constructed According to Blueprint No. 237E179 Gl B.P. Prepared by GE. APED: D. L. Poterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
morkmanship of this vessel conform to the ASME Code.
e August 8 19 67 Signed General Electric Co. 117 - 77 (1/2 Value)
Afficate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION.
1, the undersigned, hilding a valid commission issued by the Netimal Brand of Rester and Pressure Vessel Inspectors and/or the state of CALIFORNIA and employed by Division of Inclustrial Safety of
Department of Industrial Relations here inspected the part of a pressure sessel described in this
manufacturer's partial data report on
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ARUP Heiler and Pressure
Vessel Code.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part
described in this manufacturer's partial data report. Furthermore, norther the Inspector nor his employer shall be liable in any manner
for any personal injury or property damage or a lass of any hind arising from or connected with thir Inspection
Date 10 P Commissions (65 (7) & No. 10 Police and No.

th of the second . • . . • .

THIS FORM NOT APPLICAB IN O SEE ALLEPRING PRETON SKETCH tems 4-9 incl. to be completed for single wall vessels (such as air tanks). Jackets of Jacketed vessels, or shells of heat exchangers. Corrosion la. Allowance __ln.' Diam.__Ft.__ In. Length__Ft._In. Nominal T.S. Thic (King an 1 Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) Thickness_ If streted de-Sectioned (Year No.) Efficiency. scelbe seams SEAMS: Long II.T. X.R. S. (Yee or Note (Spot or Complete) fully on reverse side of _ X.R., No. of Courses _ H.T. _ Sectioned ____ G-HEADS: (a) Maierial. (b) Material ___. T.S. Conical Aprz ongle Location Knuckle Rednis Eliptical Relie Flat Side to Processed Dismeter (Convex or Concas Homisphernal (Top, bottom, ends) Thickness Other fastening. If removable, bolts used_ (Material, Spec. No. T.S., Sice, Number) (Describe or Attach Sketch) Pitch (Herr.) If hollow Arrachment 8. JACKET CLOSURE: _ (Describe so agre & weld, bar, etc. Il bar, give dimensions, if boiled, describe or aketch) Min. cemp. (when ·9. Constructed for max. * 1250 575 °F. less than -20') allowable working press. pei at max. temp. liems 10 and 11 to be completed for tube sections. 10. TUBE SHEETS: Stationary, Material _ Rind & Joec. No. 1 Diam. In. Thickness In. Attachment Floating. Material Kinf & Spec. No.1 Diam. ____ In. Thickness __ In. Attachment _ TUBES: Material | O.D. | _ In. Thickness_ _ or Gage Number _-hs 12-15 incl. to be completed for inner chambers of tacketed vessels, or channels of heat eachangers. Nominal Cattorim Thickness _ 12. SHELL: Material Kind and Spec. No. 175 In. Allowance In. Diam. Ft. In. Length. Ft. 4. F.W. & Spot. Min. T.S.) If elvetad do. 13. SEAMS: Long (Wolded, Dall. Single, Lep. Hat) (Yes or No.) X.R. (See or Complete) (Yes or No.) Illiciency fully on re-***** **** of ___ Sectional____ _ No. of coveres. _ X.R. ___ fem. (b) Material ___ 14. HEADS: (a) Material_ _ T.S. ______ (c) Material_ E'liptical Flat Side to Presente Diameter (Convex or Corne Crown Thickness Location (a) Top, buttom, ends (b) Channel (c) Floating If removable, bolta used (4) (Meterial, Spec. No., Y.S., Sire, Number) (6) _ Other fastening _ TO-BETTES" TO THIS HE RESTERN Min. temp. (when 15. Constructed for max. or. less than -20") allunatic working press 4 ____ _ fai at max. temp. items below to be completed for all sease is where applicable. . 16. SAFETY VALVE OUTLETS: Number ___ Size _ Livation 17. NOZZI ES: Piennee Uniet. Outlet, Dietn) Romincon DIAM, of Size Type Meterial Number Thu bores 18. INSPIRETION Manholes, No.

from the ANNI , LIST Of the Str. New York, M.Y.

Sirr Location . . .

OPENINGS: Handboles, No. _

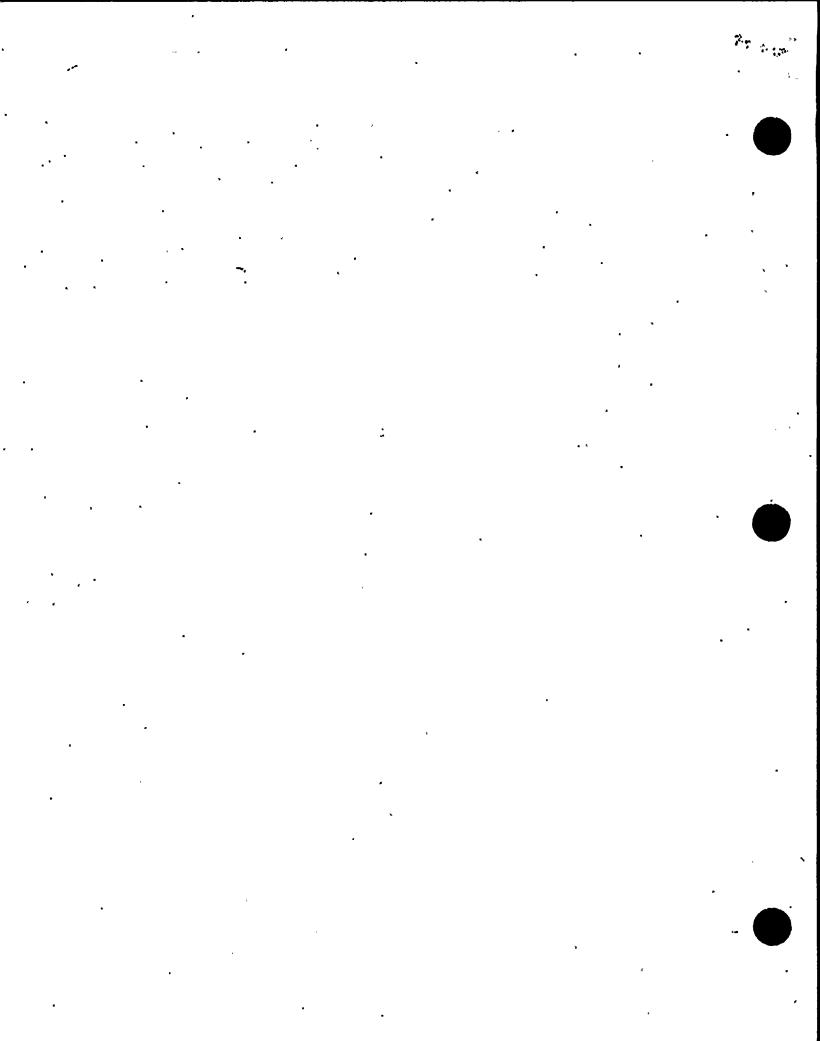
19. SUPPORTS: Skirt ... Tree or Sell Lugs

Threaded, Son

If the radio trans grather mineral or external products with countient temperature when applicable,

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THIS PO	completed for	single wall we	asels(such as	air tanks), jack	ets of jacker	ed vessels, or	shells of heat	exchangers.
SIIEI.L: Material	Kind and Sage	T.S.	W. O. Adoes, Min.	Thickness	_ia. Allowan	ceIn. Diam	Fr In. L	cogth_Ft.
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Welded, Di	L., Singie, Lap,	But) T. (Ye	se or Non	Special Complete	Sectioned (A.	Efficienc	"——".	fully on r
Ginh .	•	ÚΤ		•	, '. Sacolonad	No of Co		verse side
Girth		— ···;· —		(b) Material	×			T.S.
Location		Cress	Knuckie	Ziliptical	Castral	Hemispherical	Flat 3	Me to Pressu
Location (Tcp, bottom, ends)	Thickness	Radius	Redus	Ratio	Apes angle	Redius	Diameter (Co	HYPE OF CORC
<u>(</u> (α)								
(̈b)						· 		
If removable, bolts	used	el. 2004 - No. T.	S., Stre. Number	Other faste	aing	(Describe of Att	ech Sketch)	
		~.				•		
STAYBOLTS:	dateriai) .	_ IF hollow_	of Hole)	(Threaded,)	म्बारक) मार	(Here.)	^۸ — (۱۷۰/۱.) - ۱	IAM.
IACKET CLOSUR	LE:						•	
JACKET CLOSUR		(Dee	(FIDO 44 0EPP A	eil, bar, etc. U	ber, give dime	reione, il belied.	describe or sher	:h)
Constructed for mallowable working	press.	1250	pei at max	. temp575	°F.	less than -20)	
ns 10 and 11 to be						-		
							 	
TUBE SHEETS: S	tationary. Mai	terial _ 70:54	F3	Dies	nin	. Thickness_	In- Attachme	nt .
		, Kind	e abservan	(300)	461 to 277114		-	(Maided' Dei
. 1	Floating. Mai	rerial	& Soec. N	Diam	n le	. Thickness_	In. Attachme	int
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	•							
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TUBES: Material	(Kind & Spec. N be completed t	o.) lor inner cham	In. Th	ckness d vessels, or cl	or Gage	Number		(Braight or U
ms 12-15 incl. to	ikind a spec. N he completed i	().[). lor inner cham	In. The	d vessels, nr c)	or Gage correspond	Number	Гуре	(Straight or U
TIPES: Material	(Kind & Spec. N he completed t	o.) for inner chan T.S. Nn. (Fig. 40)	ln. Thi bers of jackete ? P.D. & Spec. Min.	d vessels, or chominal hickness	corresponding Allowance	Number rat exchangers. e,in. Diam	Ft. la. Len	(Straight or U
HELL: Material	(Kind and Arec.	T.S. Nn. (Fig. ∞	P.B. & Spec. Vin.	ominal hickness T.S.1	Corros me In. Allowanc	e,ln, Diam	Ft. la. Len	thFt
SEANS: Long	(Kind and Arec.	T.S. Nn. (Fig. ∞	P.B. & Spec. Vin.	ominal hickness T.S.1	Corros me In. Allowanc	e,ln, Diam	Ft. la. Len	Helveted berthe see fully on
SEANS: Long	(Kind and Spec. Sbi., Single, Lap	No. (Fig. or 11.T. (V	P.B. Espec. Vin.	ominal hickness T.S.1 Fot or Complete)	Corrosus in. Allowand ctioned (Ye	ela. Diam ela. Diam e .e Kaj l flicien	_Ftia. Len	Heireted Scribe ser fully on verse side
SEAVS: Long welded, I	(Kind and Spec. Sbi., Single, Lap	T.S. (Fig. 44)	F.B. 5 Spec. Vin.	ominal hickness T.S.1	Corrosus In. Allowance ctioned	eln. Diam eln. Diam l fficien No. of co	Ft. la. Len	If elveted economic of the seconomic of
SEANS: Long welded, I	(Kind and Spec. Sbi., Single, Lap	11.T. (Y	F.B. 5 Spec. Vin.	ominal hickness T.S.1	Corrosus In. Allowance ctioned	eln. Diam eln. Diam l fficien No. of co	Ft. la. Lengery	If elveted occibe occifely on verse older
SEANS: Long welded, I	(Kind and Spec. Sbi., Single, Lap	11.T. (Y	F.B. 5 Spec. V.R. F. 6 or Rol V.R. X.R. (b) V	ominal hickness T.S.1 pot or Complete) sterial	Corrosion In. Allowance ctioned Ctioned T.S	eln. Diam eln. Diam l fficienNo. of co	Ft. la. Lengery	If elveted occibe occifely on verse older
SEAMS: Long (Welded,) Girth (HEADS: (a) Mater	(Kind and Spec. Sbi., Single, Lap rial	11.T. (Y	F.B. b Spec. Min. es or Rol V.R. X.R. (b) M	minal hickness T.S.1 Se por or Complete) se attrial Ellaptical	Corros our casoned (Ye casoned (Ye casoned (Ye Casoned (Ye Apen angle	No. of co	Ft. in Lengary States	If elveted occube occub
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SEAMS: Long (Welded, I) Girth Location (a) Top, buttom, e (b) Channel (c) Floating	(Kind and Apre. Shir, Single, Laprial Thickness	11.T. (Y	F.B. b Spec. Min. es or Rol V.R. X.R. (b) M	cominal hickness T.S.1 Sepor or Complete) Seport of Complete) Seport of Complete) Religions at	Corroson In. Allowance ctioned T.S. Control Apple angle	No. of co	Plate (C	If elveted occube occub
SEAVS: Long Welded, I Girth Location (a) Top, buttom, e (b) Channel	(Kind and Apre. Shir, Single, Laprial Thickness	11.T. (Y	F.B. b Spec. Min. es or Rol V.R. X.R. (b) M	pot or Complete) Attrial Refre	Corroson In. Allowance ctioned T.S. Control Apple angle	No. of co	Plate (C	If elveted economic of the seconomic of
SEAMS: Long Welded, I Girth Location (a) Top, buttom, e (b) Channel (c) Floating	(Kind and Spec. Shi., Single, Lap rial Thickness ands ta used (a)	T.S. (Fig. or) II.T. (Varietial. Sp.	P.B. 5 Spec. Min. es or Rol V.R. (b) M Kouchle Reduce	per or Complete) Separate at Complete at	Control Control Control Apon angle	No. of co	Plate (C	If elveted occibe occifely on verse older
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SEAMS: Long Welded, I Girth Location (a) Top, buttom, e (b) Channel (c) Floating If removable, bol	(Kind and Apre. (Kind and Apre. (Kind and Apre. (C)	T.S. (Fig. or II.T. (Varietial. Sp.	P.B. 5 Spec. Min. ee or Rol V.R. (b) M Knuckle Reduce	per or Complete) Separate at Complete at	Corroson In. Allowance ctioned Type ctioned April April Control April Co	No. of co (1) Mater Homsophorical Redive	Ft. la. Lengery	If elveted occibe occifely on verse older
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SEAMS: Long Welded, I welle working If removable, bold welle working wellowable wellow	(Kind and Spec. Shi., Single, Laprial Thickness ands (c) (c) Ag press ampleted for a	T.S. Sin. (Fig. or II.T. T.S. Sin. (Fig. or II.T. T.S. Sin. (Fig. or II.T. Sin. (Fig. or III.T. Sin. (Fig. or	P.B. 5 Spec. Min. F.B. 5 Spec. Min. (A.R. 10 Min. (b) Min. Knuckle Reduce F.C. No., T. 8, 310 poi at max	cominal hickness	Corroson In. Allowance croned T.S. Control Apox angle	No. of control of Marcine Reduce of Min. temp. Its	Ft. la. Lengery	Herveted Scribe see fully on verse side farm. T.S. Bide to Press anven or Con
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1. Own		awk Power Corpor	ation •	Date _	March 2	0, 1997	
	Nine Mile Point	P.O. Box 63 Lyco Address	oming N.Y.	13093 Sh	eet	1of	1
2. Plan	Nine Mile Na	Point me		Unit1	<u></u>	7471144	
<u>P.O.</u>		ng, New York 130 ress	093	<u>M</u> Repai	ech. Ma r Organi	int. Work Order No. 9 zation P.O. No., Job N	96-04379- lo., etc.
	Nine Mile Point I	Niagara Mohawk Name P.O. Box 63 Lycor Iress		Authori	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	applicable Construpplicable Edition	of Section XI Util	B31.1 lized for Rep		ts 19 <u>83</u>		 le Case
AME 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
xD 26-	General Electric	9295	N/A	NC02 CLASS 1	1979	REPLACEMENT	Yes
<u>-</u>							
7 D	ription of Work	Replace Control Ro	od Drive with	h rebuilt spare as pa	rt of pre	l ventive maintenance. R	l Replaced C

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

Pressure 1044.6 PSIG Test Temp. 226 Deg.



Other

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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 9295 replaced by serial no. A5079. VT-2 per NDE Report No. 1-2.01-97-0136.

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
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 11115 146 to 7/22/47, 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 NOS 496 NY 2812 National Board, State, Province, and Endorsements
Date7/23_,19_97

(12/82)

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES. As required by the Provision of the ASME Code Rules, Section III, Div. I

	Sanufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(b) M	Sanufactured for General Electric Co., San Jose, Calif. (NEBG) (Name and address of N Certificate Holder for completed nuclear component)
1	ufication-Certificate Holder's Serial No. of Part A5079Nat'l Bd. No
Z, ident	unication-Certificate Holder 3 Serial No. of Fait
(a) (Cylinder Tube and Flange
/L\ 1	Cylinder Tube and Flange Description of Part Inspected
	Applicable ASME Code: Section III, Edition 1971, Addenda date 5'73, Case No. 1361-2 Class 1
	arks: Standard part for use with reactor (Brief description of service for which component was designed)
J	·
	Hydrostatically tested at 1825 psi.
	•
	* Number of sheets - 2 '
We c	ertify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code con-
forms to	the rules of construction of the ASME Code Section III.
icate Ho	older for appurtenances is responsible for furnishing a separate Design Specification and Stress Report it the appurtenance is not
mendaed	12/28 19 82 Signed GE-NEPD-WMD-EM (NPT Certificate Holder) By . Ettrudenmue
- C	12/28 19 82 Signed GE-NEPD-WMD-EM By . Elleudenmue
	(NPT Certificate Holder)
Certific	ate of Authorization Expires June 16, 1984 Certificate of Authorization No. N-1151
ſ	- CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
	GENERAL ELECTRIC CO., SAN JOSE, CALIF.
Desi	gn information on file at
Suc	GENERAL ELECTRIC CO., SAN JOSE, CALIF.
	Vernon W. Pence Prof. Eng. State Calif. Reg. No. 14488
Desi	
Stres	Vernon W. Pence Prof. Eng. State Calif. 14488
	CERTIFICATE OF SHOP INSPECTION
I,	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors North Carolina Dept of Labor
and/	or the State of Province of North Carolina and employed by Dept of Labor State of North Carolina have inspected the part of a pressure vessel described in this
Ol	12/28 19 82 and state that to the best of my knowledge
200	belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. by signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concern-
1 1	the most described in this Dection Data Panort Filthermore, Reliner inc inspector nor his employer the
shall	the part described in this Partial Data Reports of subsection and manner for any personal injury or property damage or a loss of any kind arising from or connected this inspection.
Date	12/28 19. 82
-	N.C. 687.PA.WC2711
-	Inspector's Signature Commissions National Board, State, Province and No.

[&]quot;Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is \$50" x 11", (2) information in items 1-2 on this Data Report to included us each abort, and (3) each abort to numbered and number of aborts to recorded in term 3, "Remarks".

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5.	Heads:										
	-	•	Thickness	Radius	Radius	Elliptical Ratio			dlus	Dismeter	-
											
	If remo	vable, bolts v	ised				Other fast	ening_			
		-	used(Mater	iai, Spec. N	o., T.S., 512	e, Number)		_	(Dee	cribe or attac	h sketch)
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			ary. Material_(Kind & Spe	c. No.)	(Subject to	pressure)			(Welded, Bolted)
		Floatie	ig. Material	١,	Di	a	Thic	kness_	in. At	tachment	
	Tubes:	Material	ng. Material	O.D.	in. Th	ickness	inches	Numb	er .	Type	
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_	11-14	incl. to be o	ompleted for i	nner chami	hers of iac	kered vesse	is, or change	ls of he	as exchan	2013.	
_											
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	Shell:	(Kind & S	T.S	No Th of Range Sp	minal ickness _ ecified)	Corro	rancein.			n. Length_	•
	Shell:	(Kind & S	T.S	No The Sp	ominal lickness _ ectfled)	Corro	osion vancein.	Efficier	ncy	n. Length_	_7.
	Shell: :	(Kind & S	T.SH.	No The Sp T. 1	ominal lickness ecified)	Corro	osion vancein.	Efficient	Courses	n. Length_	_%
	Shell: Seams;	(Kind & S	T.SH.	No The The Transfer of Range Sp T. 1 T. 1 Crown	minal ickness _ ecified) T.S	Corro	rancein.	Efficient No. of C	Courses _	n. Length	_%
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	Shell: : Seams: Heads (a) Top.	Girth (a) Material_ Location , bottom, end	T.SH.	No N	minal ickness _ ecified) T.S Knuckle Redius	R.T	(b) Materia Conical Apex Angle	No. of (Courses _	n. LengthT.SFlat	Side to Pres (Conv. or Con
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	Shell: : Seams: Heads (a) Top.	Girth (a) Material_ Location , bottom, end	T.SH.	No N	minal ickness _ ecified) T.S Knuckle Redius	R.T	(b) Materia Conical Apex Angle	No. of (Courses _ pherical dius ening	T.S. Flat Diameter	Side to Pres (Conv. or Con
	Shell: Seams; Heads (a) Top, (b) Chai	(Kind & S Long Girth (a) Material _ Location , bottom, end nnel vable, bolts u	T.S	No The The The The Transfer of Range Sp. T. 1	T.SKnuckle	Corro	(b) Materia Conical Apex Angle	Hemis Racher fast	pherical dius ening (i	T.S Flat Diameter Describe or accight	Side to Pres (Conv. or Con
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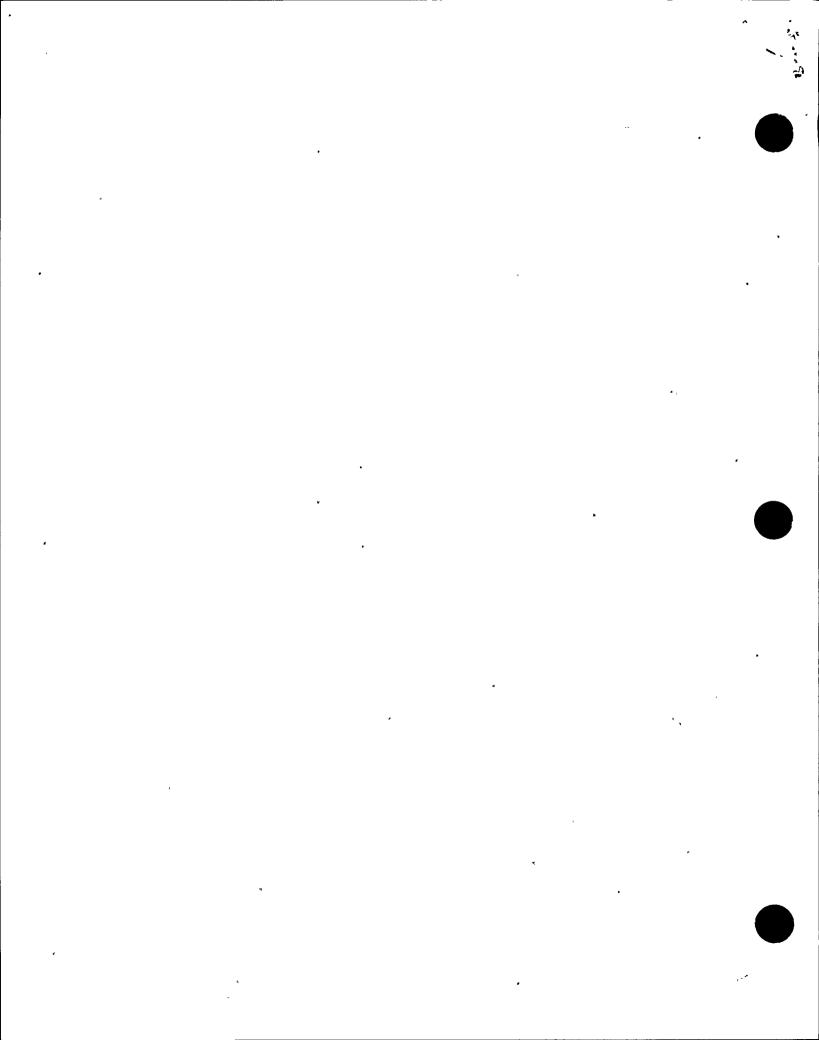
FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. 1

	Mal	Manufactured by General Electric	Co., Castle Hayne Rd., Wilmington N.C.
1	٠,		(Name and address of NPT Certificate Holder)
	/b)	Manufactured for GENERAL ELECT	TRIC CO., SAN JOSE, CA., (NEBG)
	(0)	wandiactored lot	(Name and address of N Certificate Holder for completed nuclear component)
2	Ida	ntification-Certificate Holder's Serial No. ((Part
4			
	(-)	Conservated Asserting to Deswing No.	919D258G003 D. L. Peterson Drawing Prepared by
	(=)	Constructed According to Drawing No.	Drawing Prepared by
	/ b)	Description of Part Inspected	Cylinder Tube and Flance
	•		•
	(0)	Applicable ASME Code: Section III. Edi	ion 1971, Addenda date S'73, Case No. 1361-2 Class 1
3.	Ren	narks: Standard part for use	with reactor. Hydrostatically tested at 1825 psi.
٠.		(Bri	of description of service for which component was designed)
		* Number of sheets - 3	•
			•
			Mark a framework to
			M M
1		Cap 167A2343P1	\bigcirc 11
•	•	(167A2343)	
		SA182-P304	Code Weld
		3/8 thick x 1 1/16 OD	P8GYP11
		3/8 furex x r 1/10 on	
_	_	T 11 m.l. 10/0122601	(2) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	2.	Indicator Tube 104B1336P1	
(SA312-TP316	
		3/4 sch 40-seamless pipe	' <u>'</u> '
	•	0.113 wall thickness	. 1!
		1.065 max. dia.	
		•	Reactor vessel
	2	Plug 159A1176P1	thimble
•	٠.	SA182-F304	· /\!\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			7:11 11 11
		1/4 thick x 0.812 OD	
4	4.	Flange 919D610P1 (719E474)	irrita IIII kteren
		SA182-F304	Code weld,
		3.37 thick \times 9 5/8 OD	P8GYP79
		neck 1 1/16 thick x 5.0 OD	8/1/2/ III I///
		2.875 ID	
			(4) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	5.	Head 129B3539P1	
	J. •	SA182-F304	
		7/8 thick x 2.875 Dia.	6 1312
		// CHICK A 2.0/3 DIG.	~_ ~_~ #\\\\\ - #\
	_	Ring Flange 114B5122P2	
	6.	VIUS LIGHKE TYADYTETT	된 / IZ
		SA182-F304	, /
		1" thick x 5.0 OD x 1.75 I	Code weld
	_		P8CYP7 .
	7.	Cap Screw 117C4516P2	Rolled before weld

Plug 175A7961P1 SA182-F304 0.38 thick \times 1.307 dia.

6 ea.1/2 dia. on 4 1/8 bolt circle

SA193-B6



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Own		awk Power Corpor	ation	Date _	March 2	0, 1997	
•	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	13093 Sh	eet	of	1
2. Plane	Nine Mile I Na			Unit _1	<u> </u>		
<u>P.O.</u>	Box 63 Lycomir Addr	ng, New York 130 ress	093		ech. Ma r Organi	int. Work Order No. zation P.O. No., Job	96-02662-01 No., etc.
	Nine Mile Point F	Niagara Mohawk Name P.O. Box 63 Lycor ress m <u>CRD CONTRO</u>	ning N.Y. 1	3093 Authori Ex	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	pplicable Construpplicable Edition	of Section XI Util	B31.1 ized for Rep		ts 19 <u>83,</u>		ode Case
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
Ф 30- 1	General Electric	71-596	N/A	NC02 CLASS 1	1967	REPLACEMENT .	Yes
per ASN	ME Work Plan in	Replace Control Ro Work Order 96-0	od Drive witl 2662-08 at c	n rebuilt spare as pa ore location 30-11.	rt of pre	ventive maintenance.	Replaced CR
	Conducted: Hydrostatic Pi	neumatic 🗆 Nomi	inal Operatir	ig Pressure 🗆 Te	st Proce	dure: <u>N1-IST-LK-10</u>	<u>1_</u>
	Other Pre	ssure <u>1044.6 PSIG</u>	Tact Tame	. 006 D	οF		

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.



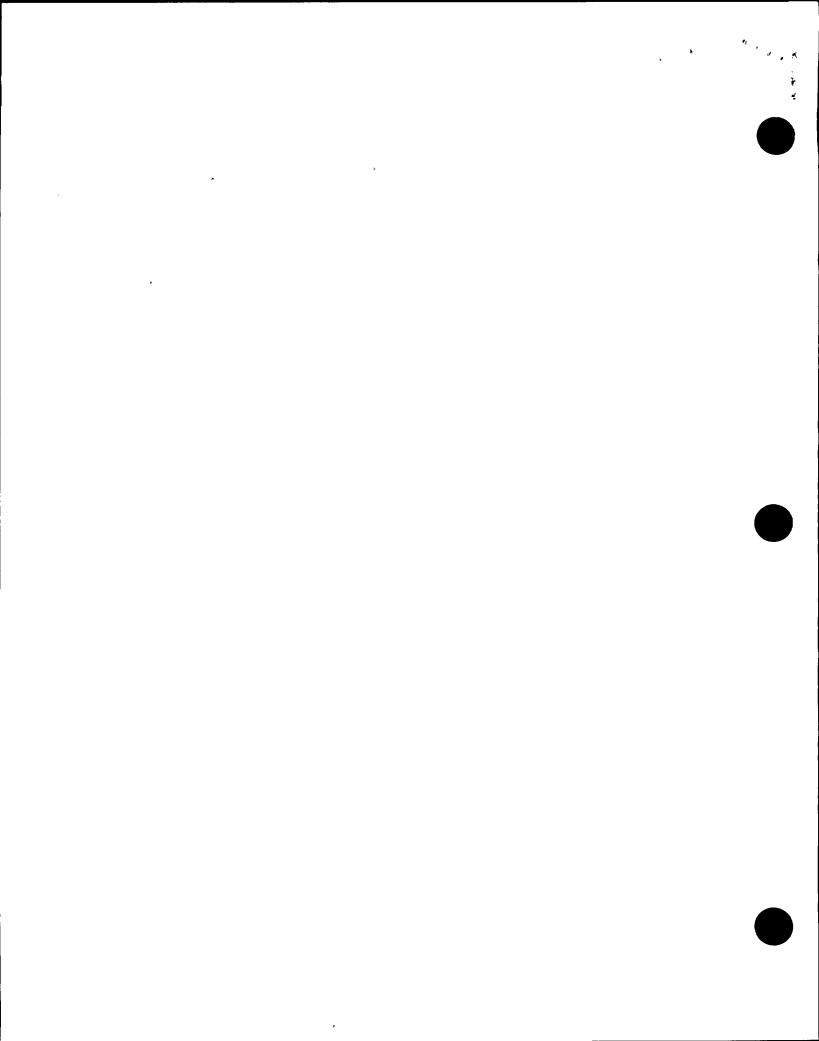
FORM NIS-2 (Back) (Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-596 replaced by serial no. 7092. VT-2 per NDE Report No. 1-2.01-97-0136.

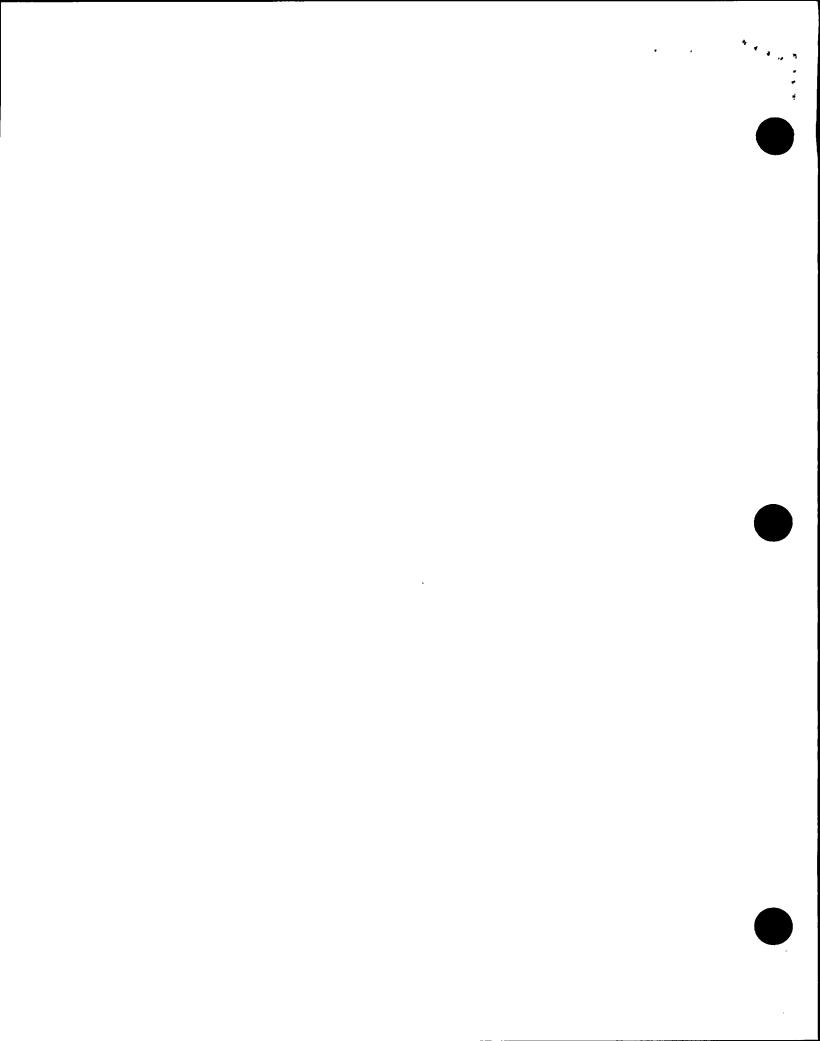
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed State That Munuger Date 7.2), 19 97 Owner or Owner's 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 <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>1111996</u> to <u>7123/97</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.
Zom 10 arles Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,19 <u>97</u>

(12/82)

	THE FORM N-2 MANUFACTURERS DATA: REPORT-FOR NUCLEAR PART AND APPURTENANCES.	;
	As required by the Provincians of the ASUE Code Haller To the Code Hal	•
	Altered General Electric Co. Castle Hayne Rd., Wilmington, N. C.	
	(Name and address of Manufacturer of part)	
	(Nome and address of Manufacturer of completed nuclear component)	
	As Constructed According to Drawing No. 761E38764 White Drawing Prepared by D. L. Peterson	
	(b) Description of Part Inspected Control: Rod Drive, Model #7RDB144CG003	
	(c) Applicable ASME Code: Section III, Edition 1971 , Addenda date None , Case No1361 Class 11 1 2001)	
	Remarks, Originally manufactured by General Electric "See attached Data Report."	
	Original Piston Tube Assembly removed and replaced by an equivalent assembly	
	made to the 1977 Edition of Section III, no addenda.	
	Co. 12 to 10 to 200 per to 10	
9 0	We certify that the statements made in this report are correct and this vessel part, or appurtenance as defined in the Code conforms to the fules of construction of the ASME Code Section III. (The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component. Design Specification and Stress Report.)	
0	Deic 12-21 19 77 Stened GE, NEPD-WMD-EM	
	Certificate of Authorization Expires - June 16, 1978 Certificate of Authorization No. NPT 1151	
Signary N	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)	
	Design information on file at General Electric Co., NEPD-WND-EMO, Castle-Hayne Rd., Wilmington	, N. C.
) O	Stress analysis report on the at General Electric Co. NEPD-WMD-EMO. Castle Hayne Rd., Wilming to	on,N.C.
O	Design specifications certified by Vernon W. Pence Prof. Eng. State Califfur Reg: No. 14488c.	
	Stress analysis report certified by Vernon W. Pence Prof. Eng. State Calific Reg! No. /144881	
# . # .	CERTIFICATE OF SHOP INSPECTION	
.53	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
* \$	of State of North Carolina have inspected the past of a pressure vessel described in this	
	Manufacturer's Partial Data Report on 12-21 19 11, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data 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.	
	Date	
2 P. C.	Commissions NC 723, PA WC 1776, Ohiomatic mental in the second of the commission of	
8	Inspector's Signature National Board, State, Province and No. of agree an	



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If removable, bolts used (Material, SpeciNo., T.B., Size, Number) Other fastening (Describe or attach sketch)
7. Jacket Glosurar (Describe as bees and weld, bar, etc. It bar give dimensions, It bolted, describe or sketch) Drop Weight
y Idmass can 1275100 de ve bous Idan bor 575 yaran Chair Imples 14 150101101
Items 9 and 10 to be completed for tube sections
2. Tube Sheetsi Stationary, Material 2. Tube Sheetsi Stationary, Material 2. Tube Sheetsi Stationary, Material 3. Tube Sheetsi Stationary, Material 4. Thickness in. Attachment 4. Thickn
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Items 11-14 incl. to be completed log inner chambers of jacketed vessels for channels of heat exchangers.
11. Shell: Material T.S. Thickness in Allowance in Dia, ft. in Length ft.
2 12. Seams: Long
13. Heads (a) Material
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14. Design pressure psi at
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15. Safety Valve Outlets: Number Size Size According to the According to t
16. Noveles: the same of the life of the same of the s
17. Inspection Manhates) No. 75. Old All Side S. Location and the Section of Control of
18. Supports: Skirt 2 1 March No. (Number) (Number) (Number) (Practice)
If Postarid Hent-Prested. List other internal or external pressure with councillent temperature when applicable.



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A) report

(a) Cloudebloo > General Electric Co:, Castle Hayne Rd., Wilmington, III. C. or (Name and Address of Handestone of Part)

(b) Manufacture of General Attiectmic Co: San Wose; California

(b) Manufacturer of completed nuclear component)

2. Idealification Lanutachier's Soffatino of Pare 7092 Nat'l Ild. No.

(a) 2 Constinued Actording to Drawing No. 1761 E387G4 Drawing Prepared by

(6) Description of Parting period Econtrol Rod Drive, Model #7RDB144CG003

(c) Applicable Assie Code; Section III Edition 1971 Addenda date None Case No. 1361 Class 1

3. Remark Oniginality manufactured by General Electric "See attached Data Report (Delef description of service for which component was designed)

Coriginal Riston Tube Assembly removed and replaced by an equivalent assembly

made to the 1977 Edition of Section III, no addenda.

1. Cap 167A2343P1

∞ (167A2343) / SA182-F304 : ::::

O'3/8 thick x:1 1/16 0D

2D Indicator Tube 104B1336P1

SA312-TP316

3/4 sch 40-seamless pipe 0.113 wall thickness

1.065 max. dia.

Plug 159A1176P1

SA182-F304 51/4 thick x 0.812 OD

OF1ange 919D610P1 (719E474)

SA182-F3048

3.37 thick x 9 5/8 OD

neck 1 1/16 thick x 5.0, 0D

2.875 ·ID

Head 129B3539P1

SA182-F304

7/8 thick x 2.875 Dia.

6. Ring Flange 114B5122P2

SA182-F304

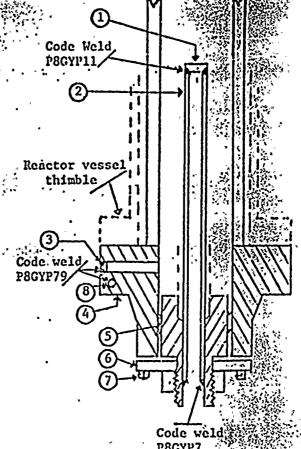
1" thick, x: 5:0, 00 x 1.75 1D

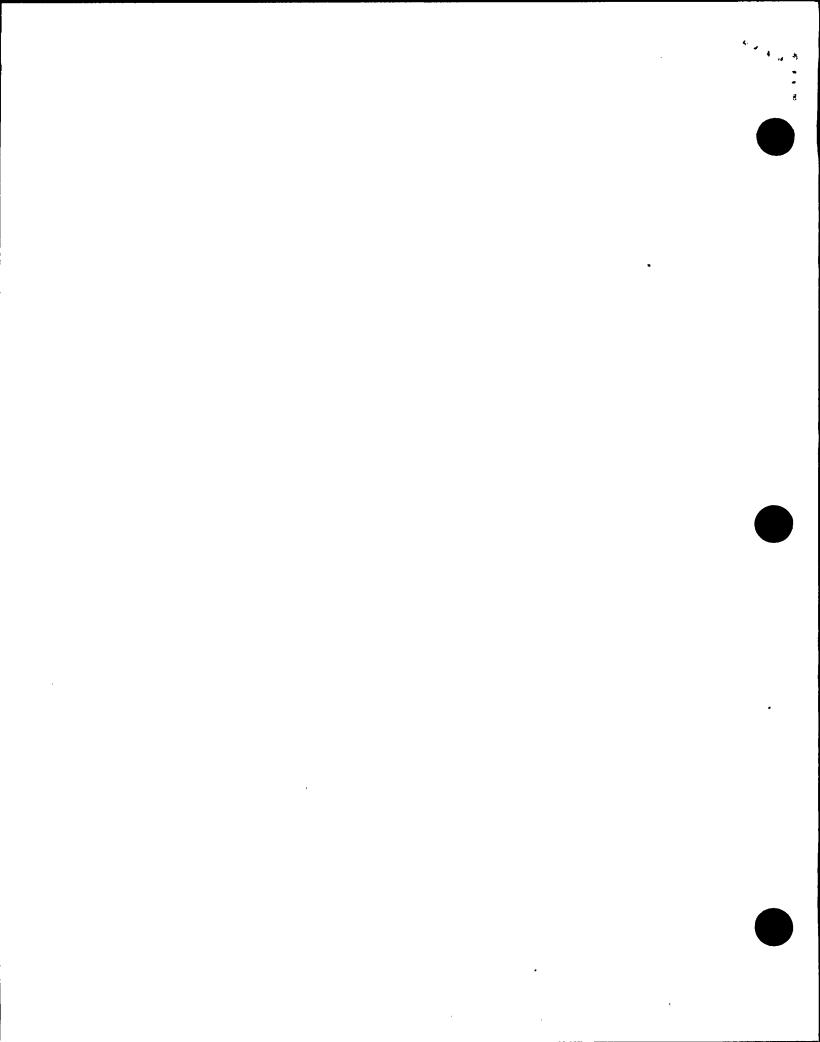
Cap Screw 117C4516P2

SA193-B6

6 ea.1/2 dia. on 4 1/8 bolt circle

8: Plug 175 A7961P1 SA182-F304 0.38 thick x 1.307 dia



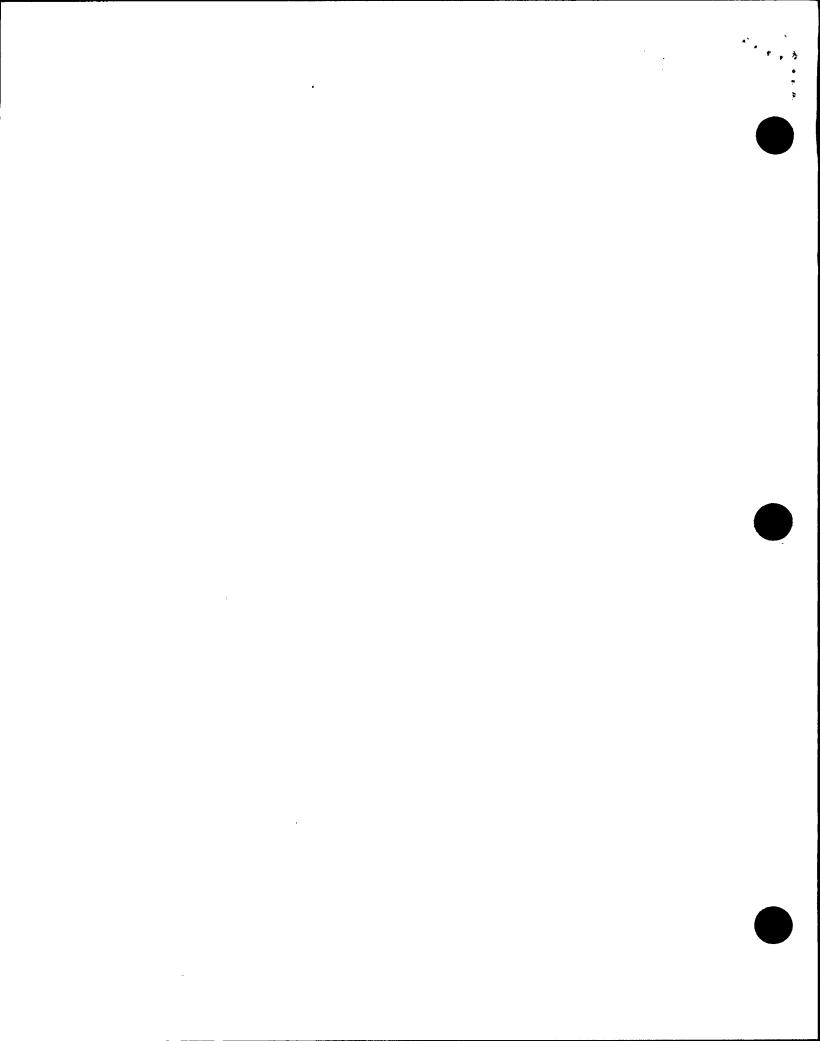


BORMEN-Z MANUPACTURURE DATA REPORT FOR NUCLEAR PART AND APPARTENANCESS As required by the l'agintony of the Axile Code line General Electric Company, Castle Hayne Rd., Wilmington, N. C. (Name and ablices of Manufactures of pred more) 415 arms about General Electric Company, San Jose, California (Name and address of Hanufacturer of completed nucleur component) 7092 Nat'l Bd. North Identilication-Manufacturer's Serial No., of Part _ (a) Constructed According to Drawing No. 761E387G2 Drawing Prepared by D. L. Peterson Zingaga, Remus - Kedire 14144 triring G #7RDB144 C1 -(b) Description of Part Inspected Control Rod Drive, Mode1 (c) Applicable ASME Gode: Section III, Edition 1971 _, Addenda date None conferred the series of the series Standard part for use with Reactor. Hydrostatically tested at 1820 psi (Brief description of service for which component was designed ange an artists (1) ู้ใจรับผู้รัฐได้ ก_็สเลา(. A कार्य विवेद के देवा के किया है के विवेद के किया है के किया है कि किया है कि किया है कि किया है कि किया है क The certify that the statements made in this report are correct and this vessel part or appurtengnée, as defined in the Code conformation the rest of the construction of the ASME Code Section III. They applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appultenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report. June 13 19 75 - Signed GE, BWRSD - REM Certificate of Authorization Expires June 20, 1975 Certificate of Authorization No. CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file at General Electric Co., BWRSD-REM, Castle Hayne Rd., Wilmington Siress analysis report on file at General Electric Co.; BWRSD-REM, Castle Hayne Rd.; Wilmington Vernon W. Pence Prof. Eng. State Calif. Res. No. 14488 Dealgn specifications certified by... Stress analysis report certified by Vernon W. Pence Prof. Eng. State-Calif .- Reg. No. CERTIFICATE OF SHOP INSPECTION 1 -17 .. t, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of North Carolina and employed by Department of Labor State of North Carolina base inspected the state of North Carolina of State of North Carolina have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on June 13 19.75, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III. 19.11 1 ∽ ·· · June• 13 · Commissions NC 723, PA NºC 1766, Chro National Board, State, Province and No. 1991.

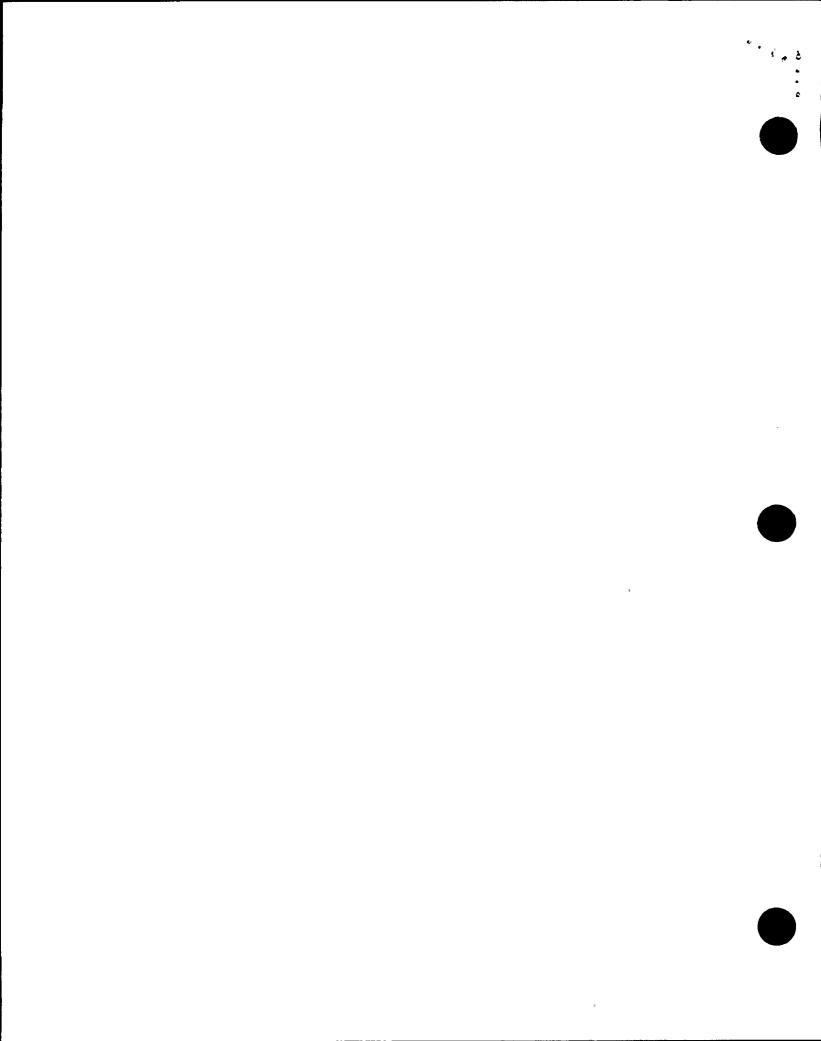
Inspector's Signature

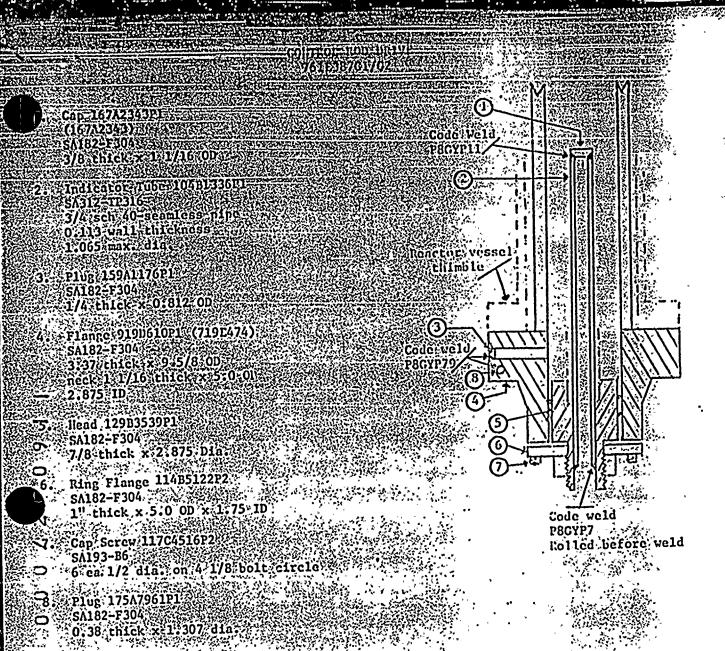
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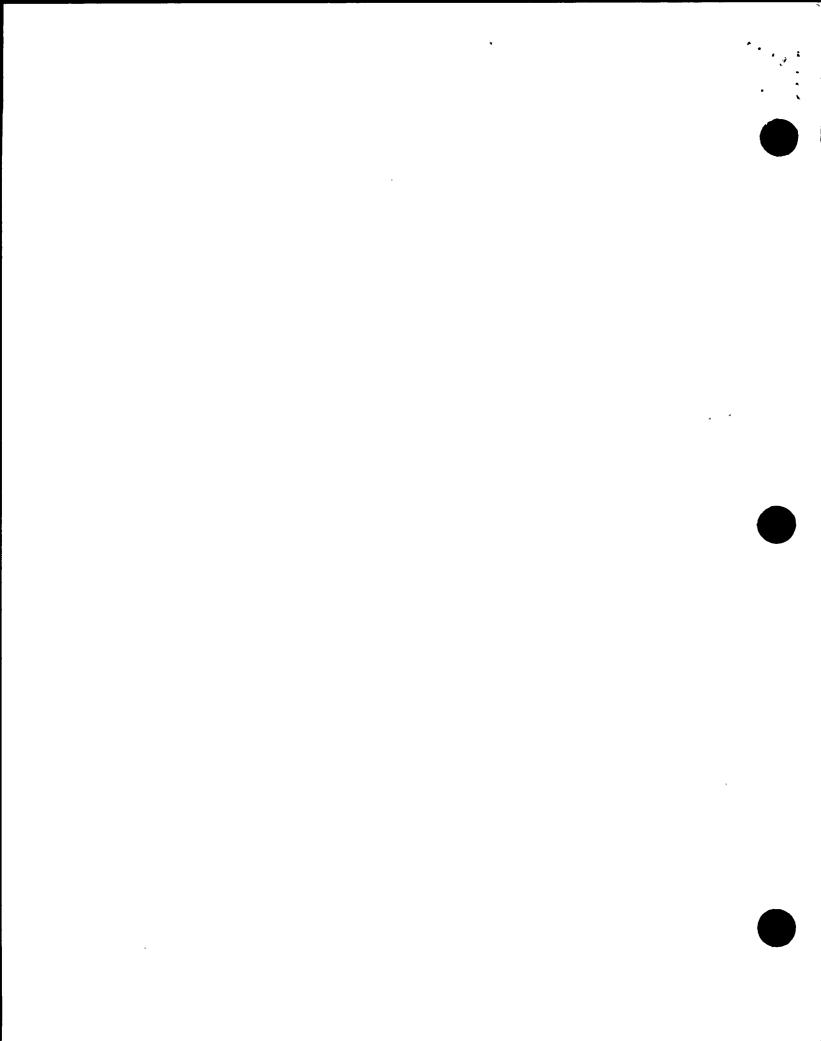


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14. 15.	Scar Scar Hea (a) (b) If re Safe Nox Pur Out	Ille Material (Kileman Long (K	Thick ends	Min. of Rar 1(1) 11-12-12-12-12-12-12-12-12-12-12-12-12-1	Nominal Thickness ge Specified) and a) [J/A Etten D T.S. was Knuckling Radjung god had (b) // All size T Size	Correction, -All Retroits Ratio	cosion [7] (owance	Efficient 20013 [No. of Cial Hemis	Orange Charpy I at temp.	T.S. T.S. T.S. Plat Plat Diemeter politica en exercise or o ght mpact of man, or T. D. T. T. C. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T. T	soutamingly state to (Conv. of orange transport orange transpo	Present Control of the Control of th
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ATTACIMENT TO FORM N-2 MANUFACTURER'S DATA REPORT



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

		awk_rower_corpor	ation	Date _	March 2	0, 1997	
	·	P.O. Box 63 Lyco	ming N.Y.	13093 Sh	eet	of	_1
2. Plant		Point me		Unit	<u> </u>		
<u>P.O.</u>	Box 63 Lycomii Addi	ng, New York 130 ress)93	<u>M</u> Repai	ech. Ma r Organi	int. Work Order No. zation P.O. No., Job	<u>96-02662-12</u> lo., etc.
	Nine Mile Point I	Niagara Mohawk Name P.O. Box 63 Lycor Iress		Authori	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A ₁	ification of Syste pplicable Construpplicable Edition	m <u>CRD CONTRO</u> uction Code <u>ASA</u> of Section XI Util	B31.1 ized for Rep		s 19 <u>83,</u>		de Case
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
EKD 30- 23	General Electric	71-659	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
<u></u>							
	1						
7. Descr	ription of Work] ME Work Plan in	Replace Control Ro Work Order 96-0	od Drive with 2662-12 at c	n rebuilt spare as pa ore location 30-23.	rt of prev	ventive maintenance. I	I Replaced CR
8. Tests	Conducted:						
F	•	neumatic 🗆 Nomi	•		st Proce	dure: <u>N1-IST-LK-101</u>	_
	Other Pre	ssure 1044.6 PSIG	Test Tem	p. <u>226 Deg.</u>	οF		

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



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-659 replaced by serial no. 71-716. VT-2 per NDE Report No. 1-2.01-97-0136.

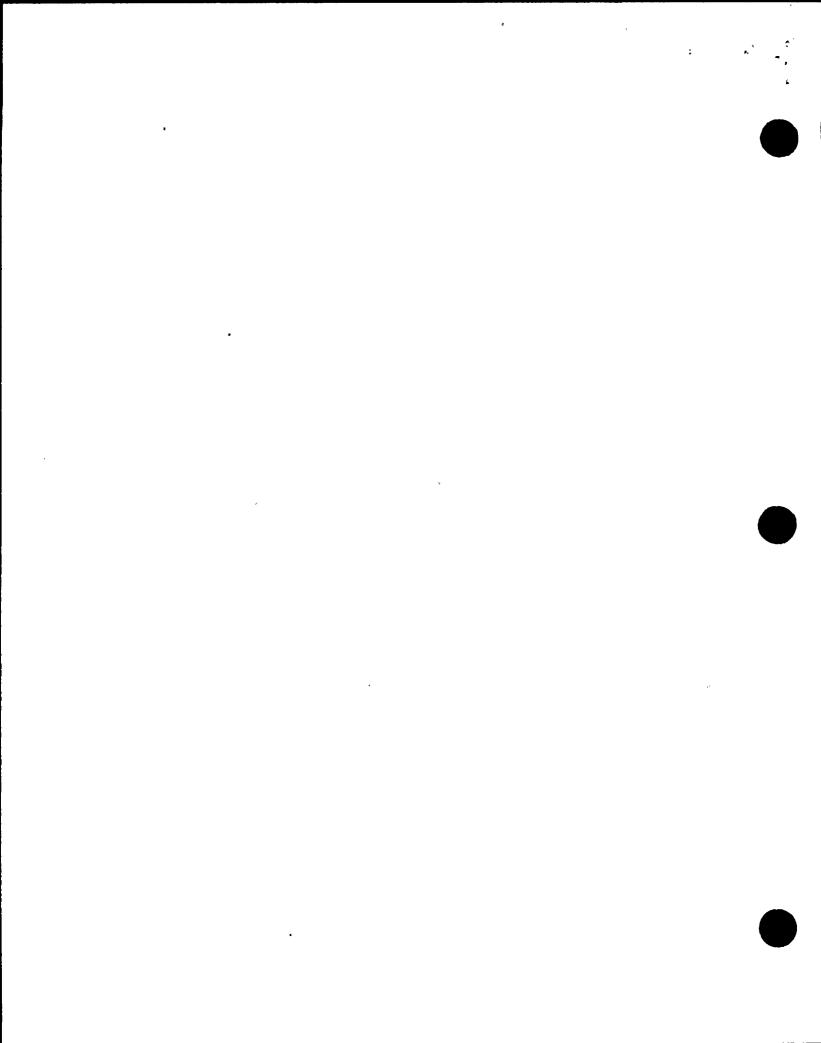
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a 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 1119/96 to 7/22/97, 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 NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23 ,19 97

(12/82)

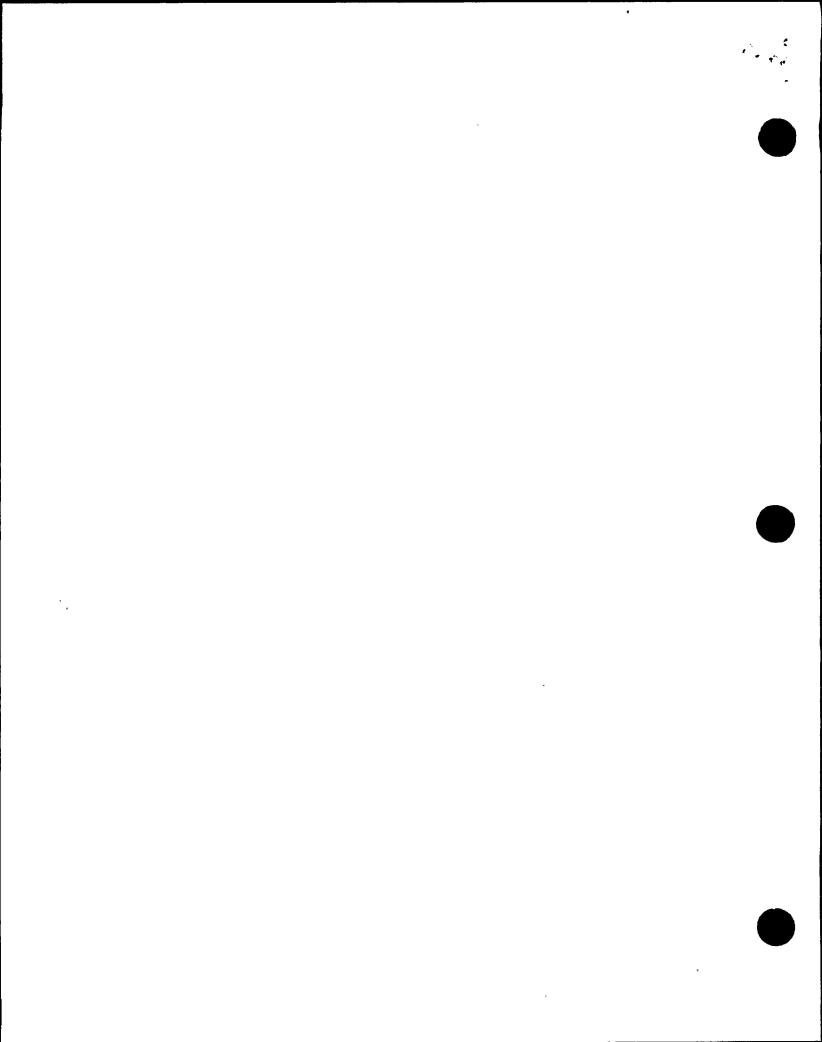
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

(Name and address of manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose; California
(b) Manufactured for Stock item - standard part for use with GE Boiling Mater Reactor at (Name and address of manufacturer of boiler or vessel) Ningra Mohauk Unit
(Reme and address of manufacture of better or vessel) Ningra Mohawk Unit
2. Identification-Manufacturer's Serial No. of Part Please see serial rambors below
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson .
. (h) Description of Part Inspected Control Rod Drive '
3. Remarks Fabricated and inspected in accordan co with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
•
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code.
Date July 25 19 67 signed General Electric Co. 11y JUC, June (Representative)
itificate of Authorization Expires December 31, 19 67
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of States and Pressure Vessel Inspectors and/or the state of CALIFORNIA and employed by Division of Industrial Safaty of
Department of Indistrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data report on
and belief, the manufacturer has constructed this part in occordence with the applicable sections of the ASME Boiler and Francisco
Vessel Code. Dy signing this certificate, newher the Inspector nor his employer makes any matternty, expressed or implied, concerning the part
described in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal larger or property damage or a less of any hind atteing from or connected with this inspection.
Date
71: - 334/337/338/311/348,349,368/599/599/410,417,419,428,430,434/436;440,442,419,457,462
163 160 168 271 177 173 474 175 1476 1480 188 194 192 500 500 511 (\$14 1519 511 (\$29 539 540 649 552) 552 (\$56 562 1563) 564 1566 1566 1577 1573 1582 (\$83) 585 (\$83) 585 (\$96 617 621)
(ESA) (ESB) (E3D) (E3A) (E32)
671)676\678\6821701\705\707\719\722\729\73\\\ (198\526\660\.4592\614\625\633\664\723)
(34) (59) (15) (27) (33) (33) (53) (710)



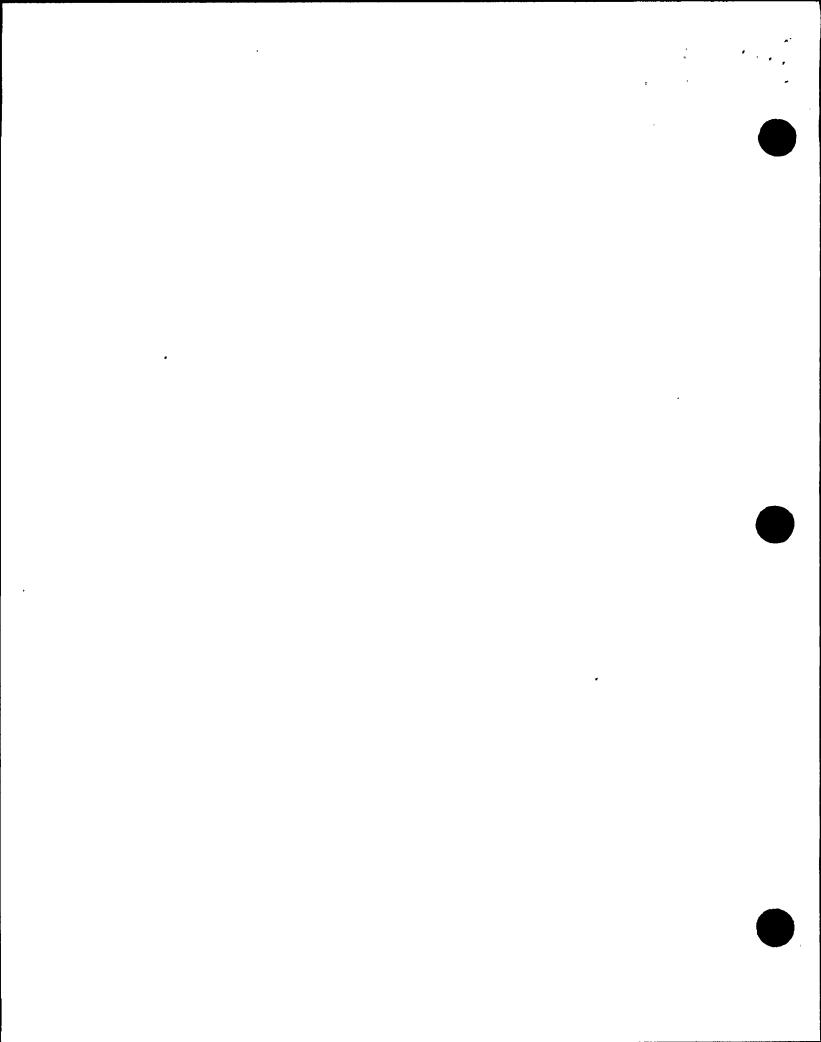
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EAMS: Long				Nominal	Corrosio	×a.		
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Very tone	•		v n	*;	•1	rina.	#	If riveted de-
(Welded, Dbl.,	Singre. Lap. Uvit	(Yee	or Non	Per or Complete)	Actioned (At	ear Xe)	;e	. fully on re-
Girch		II.T.	Y.R.		ectioned	So. of C	Courses	verse side of
HEADS: (a) Material.		T.S	•	(b) Material				T.S.
Location Top, bottom, ends) Ti				-		Homispherica Radius	t Flat - Diameter ((Side to Pressure Convex or Concav
								
(b)								•
lf removable, bolts u	(Material, 5	et. No. T.S.	, \$150, Number)	Other faste	aing	(Describe or A	ttach Sketch)	
STAYBOLTS:								Diam. (Nominal)
JACKET CLOSURE:		(Desce	150 46 ogre & v	eil, ber, etc. []	er, give diner	Via sema (al	C. describe or she	rtch)
Constructed for max. allowable working pr	css.'125	<u></u>	_ psi at max	temp \$75	°F.	less than -20	Ď ² ,	• <u>•</u>
ns 10 and 11 to be co								
·		••						
TUBE SHEETS: Stat	ionary. Materia	I - Rind A	3pec. No.1	Diam	u ect to Pressu	· Thickness,	In. Attach	nent (Wolded, Bolted
, F10	ating, valetia	" KING E	3pec. N 1.1	Dian		i. Interness	in. Attachi	nent
TUBES: Material (K)	O	n.	la. Thi	aliana.	Inches	Vambos	· Tu	D# •
				CANCSS	UI LIAPE	. THE DET		
(K)	nd & Spec. No.)			caness	OF CIARE	Number	• ***	(Straight or U)
ms 12-15 incl. to be	completed for i	nner chambe	ers of jackete	d vessels, or ch	annels of he	at exchanger	٧.	
ms 12-15 incl. to be	completed for i	nner chambe	ers of jackete	d vessels, or ch	annels of he	at exchanger	٧.	
SHELL: Material	completed for i nd and spec. No.	T.S.	rs of jackete N T D, 6 spec. Vin.	d vessels, or che ominal hickness T.S.)	corressor he Corressor In. Allowance	rat exchanger cin, Diam.	F:ia. Le	ngthFt1
SHELL: Material	completed for i nd and spec. No.	T.S.	rs of jackete N T D, 6 spec. Vin.	d vessels, or che ominal hickness T.S.)	corressor he Corressor In. Allowance	rat exchanger cin, Diam.	F:ia. Le	ngthFt
SHELL: Material (Ki	completed for i nd and spec. Nn. . Single, Lap. Du	T.S. (Fig. or F.	B. h spec. Vin.	d vessels, or chominal hickness	Corrossor Lannels of he Corrossor In. Allowanc ctioned	eln, Diam.	Ftla. Le	ngthFt
SHELL: Material (King) EANS: Long (Welded, Db)	completed for i nd and spec. Nn. . Single, Lap. Du	T.S. (Fig. of F.	B. h spec. Vin. W. K. R. W. R. X. R. X. R.	d vessels, or chominal hickness	ctioned	eln, Diam.	Ftla. Le	ngthFt
SHELL: Material (Ki	completed for i nd and spec. Nn. . Single, Lap. Du	T.S. (Fig. 60 F.	B. h spec. Vin. W. K. R. W. R. X. R. X. R.	d vessels, or chominal hickness	ctioned	eln, Diam.	Ftla. Le	ngthFt
SHELL: Material (Ri	completed for i nd and spec. Nn. . Single, Lap. Du	T.S. (Fig. of F.	B. h spec. Vin. W. K. R. W. R. X. R. X. R.	d vessels, or chominal hickness	ctioned	eIn. Diam.	FsIn. Le ency cowses ertal est Viet	ngthFt
SIELL: Material (Right) SEAVE: Long (Right) Girth HEADS: (a) Materia	nd and Spec. Sm Single, Lap. Du Thickness	II.T. Yes	ST. B. & Spec. Win. B. & Spec. Win. S or No. (S X:R. (b) M Knuckie Redue	d vessels, or che ominal hickness T.S.) Se pet or Complete) sterial Etherical	ctioned Control Cottoned Ctioned The Control Control Control	eIn. Diam. or No. of I Homsepheric	FsIn. Le ency cowses ertal est Viet	ngthFt
SHELL: Material (King) SEAMS: Long Welded, Dbi Girth HEADS: (a) Materia	nd and Spec. Sm Single, Lap. Du Thickness	II.T. Yes	ST. B. & Spec. Win. B. & Spec. Win. S or No. (S X:R. (b) M Knuckie Redue	d vessels, or che ominal hickness T.S.; pet or Complete; se attrial X!!trucat Ratia	ctioned Control Cottoned Ctioned The Control Control Control	e	FsIn. Le ency cowses ertal est Viet	ngth. Ft. / If siveted de scribe eeum fully on re verse aide scribe. T.S.
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SHELL: Material (King Girth Girth Location (a) Top, buttom, end (b) Channel	nd and Spec. Sm Single, Lap. Du Thickness	II.T. (Yes	ST. B. & Spec. Win. B. & Spec. Win. S or No. (S X:R. (b) M Knuckie Redue	d vessels, or che ominal hickness T.S.1 Se pet or Complete) X!!trucal Ratio	ctioned Control Cottoned T-N Control	e	FsIn. Le ency cowses ertal est Viet	ngth. Ft. / If siveted de scribe eeum fully on re verse aide scribe. T.S.
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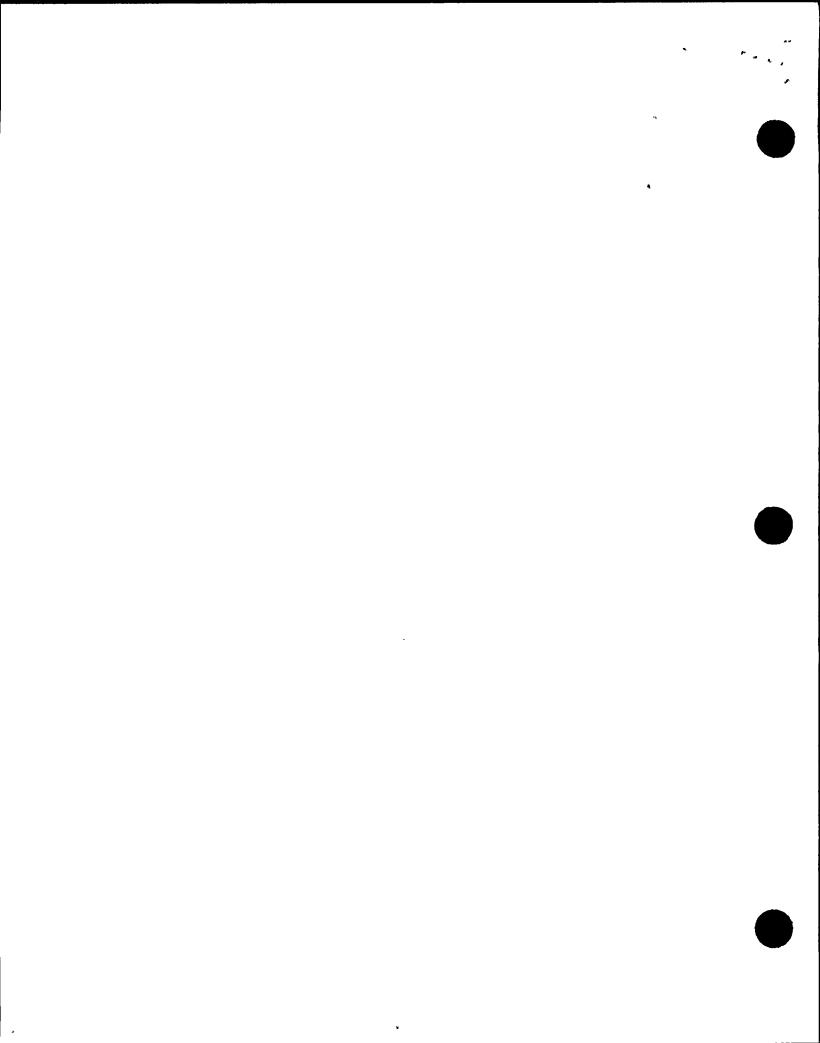
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Mother Manufacturer

1. (a) Minufactured by General Electric Co., APED, 175 Ourtner Ave; San Jose, Cal	ifomia
(Name and address of manufacturer of part)	
(b) Manufactured for Stock item - standard part for use with GE Boiling Water R	esctor at
2. Identification-Manufacturer's Serial No. of Part 71: -34367 479 379 498 455,538 641 394	551,561,655)67
(a) Constitucted According to Blueprint No. 237E179 G1 -612, 750, 625 B.P. Piepared to GL, APED: D.L.	Peterson
(h) Description of Part Inspected. Control Rod Drive	
3. Remarks Fabricated and inspected in accordance with Section VIII and appli	cable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. 1	etter dated
July 14, 1966.	
See sketch showing configuration and materials used. Hydro tested at 211	lO psi
\	,
We certify that the statements made in this manufacturer's partial data report are correct and that all details at miterials	. construction, and
workmanship of this vessel conform to the ASME Code.	A course actions and
July 31¢ 19 67 Signed General Electric Co. ny 19 (Kepres	in line
tilicate of Authorization Expires December 31 19 67	rmative)
CERTIFICATE OF SHOP INSPECTION	
1, the understaned, holding a valid commencion issued by the National found of Bodies and Processes Vessel State of CALIFORNIA and employed by Division of Inclustrial Safe	Inspectors and for the
Debat Cheffe Of Themset for Reported prise to the best of a bresome see	sel described in this
menufacturer's pertial data report on	1
. Veces! Code.	
By signing this certificate, newher the inspector nor his employer makes any marranty, expressed in implies	
	Beller and Fressure
described in this manufacturer's partial data report. Furtherniers, neither the inspection nor his employer shall be	Beller and Fressure L concerning the part
for any personal injury or property damage or a loss of any hind arising from or connected with this inspection.	Beller and Pressure
for any personal injury or property damage or a loss of any hind arising from or connected with this inspection.	Beller and Pressure



THIS PO	mpleted for si	neir wall years	els (such as s	air tenks), jac	kers of jacke	ted vessels. of	shells of heat	exchangers.
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			v n	,	Cassianal	Elliciene	~ 4	If threted &
SEAMS: Long	Binele. Lap. Bu	At) (Yes o	A Moli J.U.	for or Complet	(A)	e er No)	, —— ·'.	fully on t
· . Ginh		u.T.	x.R.		Sectioned	_No. of Co	ourses	reree side
. HEADS: (a) Materia	.1	T.S.		(b) Macri	al			T.S
Location . (Top, button, ends)						Hemispherical Radius	Flat Diameter (C	lide to Pressu envez er Conci
(a)						 		
(b)						-	•	•
If removable, bolts	Waterial	. sc . c. No. t.s	åler, Number)	Other in	itening	(Describe of Att	ach Sketch)	
STAVIOLITS:		If hallow	Attachmen	16	Pie	ch	x	Diam.
. STAYDOLTS: (4	aterial)	(Size of	11010)	Threader	(Belded)	(Horis.)	(Vert.)	(Homin
. JACKET CLOSUR	F.: `				-	·	· —	
Constructed for ma	.X.	(Descri	be as eger b c	meld, bar, etc. _	li bar, gire dime	matena. If belled, Min. temp. (who	. describe er ske M	(CA)
. Constructed for ma allowable working	bicaa.1	1250	, psi at max	. rcmp <u>5</u>	<u>75</u> °f.	less than -20°	') 	
ems 10 and 11 to be	completed for t	iulia sections.	• • • • • • • • • • • • • • • • • • • •					
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). TUBE SHEETS: S	tationary. Mate	rial Kind &":	spec. 95.1	(S.	iam. ubject to Piese	n. Inichness	in. Attaenn	(Welded, Lie
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,	loating. Mate	(Kind &	Spec. Xv.)					•
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1. TUBES: Material	Kind & Free. N.	o.b	la. Thi	ickness	Inches or Gage	Number	_ · Tri	•
1. TUBES: Material	Kind & Spec. No.	of inner chambe	In. Thi	ickness	Inches or Gage	Number	Ту	Chickin or
1. TUBES: Material	Kind & Spec. No.	of inner chambe	In. Thi	ickness	Inches or Gage	Number	Ту	CHICLEN A
1. TUBES: Material cons 12-15 incl. to 1	Kind & spec. No. se completed for (Kind and Spec. !	r inner chamber	In. Thi	ickness d vessels, or icminal Thickness This	Inches or Gage channels of t Corrosio In. Allowan	Number lear exchangers. m cetn. Diam	FtIn. Lea	ngthFt
1. TUBES: Material	Kind & spec. No. se completed for (Kind and Spec. !	r inner chamber	In. Thi	ickness d vessels, or icminal Thickness This	Inches or Gage channels of t Corrosio In. Allowan	Number lear exchangers. m cetn. Diam	FtIn. Lea	ngthFt
1. TUBES: Material coms 12-15 incl. to 1 VIII.L: Material 3. SEAMS: Long (Welfed,)	Kind & Spec. No. oe completed to (Kind and Spec.)	O.D. r inner chambe T.S. Vo. (rig. or F.) Bull (Yee	In. Thi	ickness d vessels, or icominal fhickness T.S.)	Inches of Gage Channels of Mannels of Mannel	Number	Ft. In Le	if stretce scribe or verse side
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1. TUBES: Material cms 12-15 incl. to 1 VIII.L.: Material 3. SEAMS: Long Welled.! Girth 4. HEADS: (a) Material	Kind & Spec. No. per completed to (Kind and Spec.) (bl., Single, Lap.	H.T. 11.5. 11.7. 11.7. 11.7. 11.7.	In. Thi	ickness d vessels, or icominal Thickness T.S.) Spor or Complet	Inches or Gage Channels of the Corrosion In. Allowan Sectioned Ty	Number	Ft. In. Le	If riveted scribe so fully on verse sid form.
1. TUBES: Material cms 12-15 incl. to 1 VIII.L.: Material 3. SEAMS: Long (Welled,)	Kind & Spec. No. per completed to (Kind and Spec.) (bl., Single, Lap.	O.D. T.S. T.S. Trig. or F. Bull H.T.	In. Thi	ickness d vessels, or icominal Thickness T.S.) Spor or Complet	Inches or Gage Channels of the Corrosion In. Allowan Sectioned Ty	Number	Ft. In. Le	If riveted scribe se fully on verse sid form. T.N
1. TUBES: Material coms 12-15 incl. to 1 VIII.L.: Material 3. SEAMS: Long (Welfed, I) Girth 4. HEADS: (a) Material	Kind & Spec. None completed to (Kind and Spec.)	H.T. II.T. Covern Rediue	In. Thirs of packets N. S. Spec. Min. OF NOT X.R. N.R. (b) M. Ko selle Redice	ickness d vessels, or icominal flickness T.S.) Spor or Complet laterial Relie	Inches of Gage Channels of Page Corresioned Ty Sectioned Ty Sectioned Ty Sectioned Tys.	Number	Tyres Included the Control of the Co	If stretches or fully on verse sid form. I she to Pres Convex or Co
1. TUBES: Material coms 12-15 incl. to 1 VIII.L.: Material 3. SEAMS: Long (Welled, I) Girth (Girth A. HEADS: (a) Material	Kind & Spec. Nobe completed to (Kind and Spec.)	H.T. II.T. Crymn Rediue	In. Thirs of packets N. S. Spec. Min. OF NOT X.R. N. S.	ickness d vessels, or icominal flickness T.S.) Sport or Complet laterial Relie	Inches of Gage Channels of Page Corresioned Ty Sectioned Ty Section Ty	Number	Tyren	If stretce of fully on verse side to Pres Convex or Co
1. TUBES: Material tems 12-15 incl. to 1 VIII.L.: Material 3. SEAMS: Long Welled.! 4. HEADS: (a) Material Lecation (a) Top, bottom, e (b) Channel (c) Floating	Kind & Spec. Nobe completed for (Kind and Spec.) Ohl., Single, Lap, Thickness and some serial se	H.T. T.S. Hull T.S. Coven Redine	In. Thi	ickness d vessels, or icominal Thickness T.S.) Sput or Complet taterial Relie	Inches of Gage Channels of A Corresioned TY Sectioned TY Sectioned April 2 on the	Number	Tyren	If rivetee of fully on verse she from. I oh. Side to Pres Centres or Ce
1. TUBES: Material tems 12-15 incl. to 1 VIII.L.: Material 3. SEAMS: Long Welled.! 4. HEADS: (a) Material Lecation (a) Top, bottom, e (b) Channel (c) Floating	Kind & Spec. Nobe completed for (Kind and Spec.) Ohl., Single, Lap, Thickness and some serial se	H.T. T.S. Hull T.S. Coven Redine	In. Thi	ickness d vessels, or icominal Thickness T.S.) Sput or Complet taterial Relie	Inches of Gage Channels of A Corresioned TY Sectioned TY Sectioned April 2 on the	Number	Tyren	If rivetee of fully on verse she from. I oh. Side to Pres Centres or Ce
1. TUBES: Material tems 12-15 incl. to 1 VIELL: Material 3. SEAMS: Long Welled.I. 4. HEADS: (a) Material Lecation (a) Top, bottom, e (b) Channel	Kind & Spec. None completed to (Kind and Spec.)	H.T. T.S. HI.T. T.S. Covern Redine	In. Third of packets In a packets No. A spec. Min. OF No. 1 Kn hle Redise	ickness d vessels, or icominal Thickness T.S) Sput or Complet Ratio (b) (c) Number)	Inches of Gage Channels of N Cortosic In. Allowan Sectioned TY Sectioned Apra and	Number	Tyren Inc. Learner Courses Course Course Course Course Course Course Course Course Course Cour	If stretce of fully on verse side to Pres Convex of Co
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1. TUBES: Material cms 12-15 incl. to 1 VIII.L.: Material 3. SEAMS: Long (Welfed, I) 4. HEADS: (a) Material (a) Top, bottom, eth Channel (b) Channel (c) Hoating If removable, bol	Kind & Spec. None completed to (Kind and Spec.)	H.T. T.S. HI.T. T.S. Covern Redine	In. Thirs of packets II. A Spec. Min. III. A Spec	ickness d vessels, or icominal flickness T.S) sport or Complet (accrial Relie (b) (c) Number)	Inches of Gage Channels of A Corresion Allowan Sectioned TY Sectioned Acra one A Control Acra one Cher fastening	Number	Tyren Inc. Leanney	ongthe. Fto If strette or fully on verse sid from. Take to Proc. Convex or Co.
1. TUBES: Material cms 12-15 incl. to 1 VIELL: Material 3. SEAMS: Long Welded. Girth 4. HEADS: (a) Material (a) Top, bottom, e (b) Channel (c) Floating If removable, bol 15. Constructed for allowable working	Kind & Spec. None completed for Kind and Spec. (Kind and Spec.) Ohl., Single, Lap. Thickness onds	II.T. T.S. Buti II.T. T.S. Covern Reduce	In. Thirs of jackete In. Thirs of jackete No. Aspection X.R. Y.R. Y.R. (b) W Konsthle Redies Pai at max c applicable.	ichness d vessels, or icominal flickness T.S) Sput or Complet (aterial Ratio (b) (c) Number)	Inches of Gage Channels of Gage Channels of Gage Channels of Market Control Control April 2012	Number	Tyren Inc. Leanney	If stretce of fully on verse skilly skilly on verse skilly ski
1. TUBES: Material cms 12-15 incl. to 1 VIELL: Material 3. SEAMS: Long Welded. Girth 4. HEADS: (a) Material (a) Top, bottom, e (b) Channel (c) Floating If removable, bol 15. Constructed for allowable working	Kind & Spec. None completed for Kind and Spec. (Kind and Spec.) Ohl., Single, Lap. Thickness onds	II.T. T.S. Buti II.T. T.S. Covern Reduce	In. Thirs of jackete In. Thirs of jackete No. Aspection X.R. Y.R. Y.R. (b) W Konsthle Redies Pai at max c applicable.	ichness d vessels, or icominal flickness T.S) Sput or Complet (aterial Ratio (b) (c) Number)	Inches of Gage Channels of Gage Channels of Gage Channels of Market Control Control April 2012	Number	Tyren Inc. Leanney	If stretce of fully on verse skilly skilly on verse skilly ski
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1. TUBES: Material cms 12-15 incl. to 1 VIELL: Material 3. SEAMS: Long (Welded, 1) 4. HEADS: (a) Material Lecation (a) Top, bottom, eth Channel (c) Floating If removable, bold 15. Constructed for eallowable working Items below to be confident to early the passe (folet, 19 ann).	Kind & Spec. Nobe completed for (Kind and Spec.)	T.S. II.T. T.S. Crown Redine (Queerial, Spec	In. Thirs of packets II. A Spec. Min. OF NOT X.R. A. (b) W. Ko. other Redice Pai at max capplicable.	ickness d vessels, or icominal flickness T.S) Sport or Complet (atterial Ratio (b) (c) Number) (c) (d) (d) (d)	Inches of Gage Channels of Fage Channels of Fage Correctioned Ty Sectioned Apra and Control Cont	Number	Type Include Include Incy Incy Inc. Leading	If stretch or fully on verse side to Pres or Convex or Co
1. TUBES: Material cms 12-15 incl. to 1 VIELL: Material 3. SEAMS: Long Welded, Girth 4. HEADS: (a) Material Lecation (a) Top, bottom, e (b) Channel (c) Floating If removable, bol 15. Constructed for allowable working Items below to be con 16. SAFETY VALVI 17. NOZZI FS: Propose finist, Constructed for allowable working 18. Constructed for allowable working 19. Constructed for allowable working	Thickness ts used (a) (c) press 4 press 4 COUTALLISE Number	II.T. II.T. II.T. Covern Redius IV. Covern Redius Redius IV. Covern Redius Rediu	In. Thirs of jackete In a series II. a spec. Min. III. a spec. Min.	ichness d vessels, or icominal flickness T.S) Sput or Complet (aterial Ratio (b) (c) Number) (c) (c) (c) (c) (c) (c) (c) (c) (c) (Inches of Gage Channels of Gage Channels of Gage Channels of Market Fastening Control April 202	Number	Type Inc. Leanners (Contracts Contracts Contra	If stretch or fully on verse side to Proc. Convex or Co
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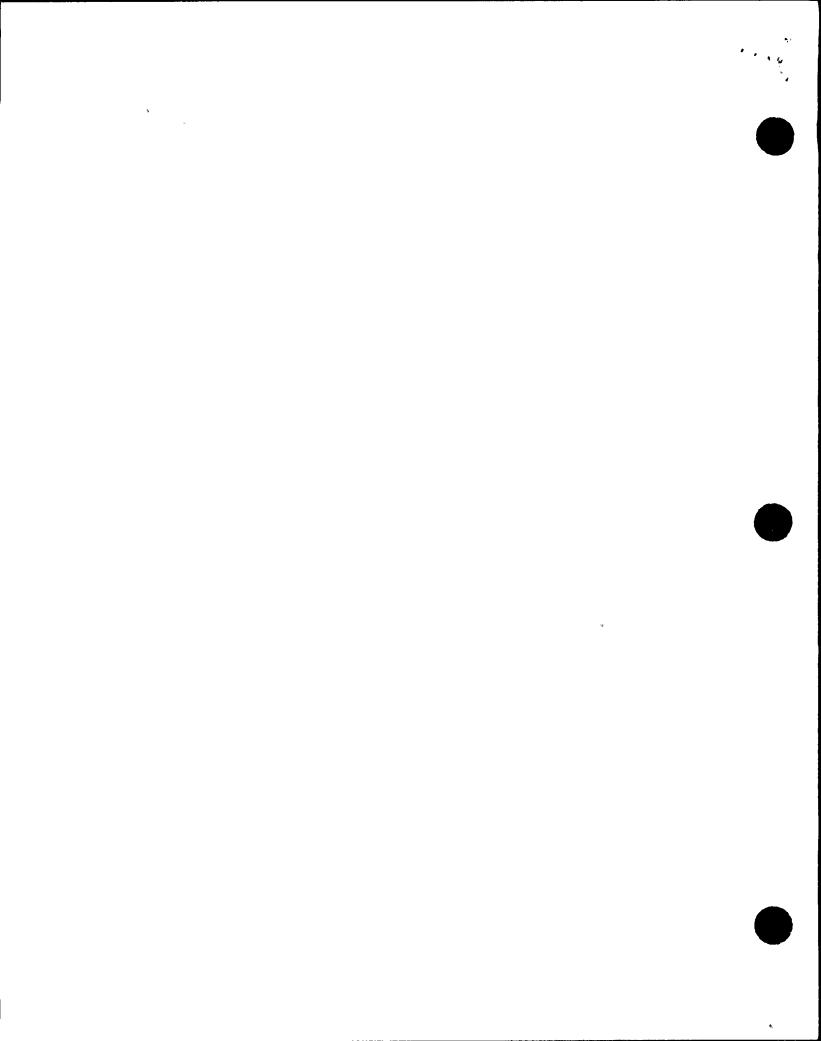


0 0 4 2 4 0 2 5 6

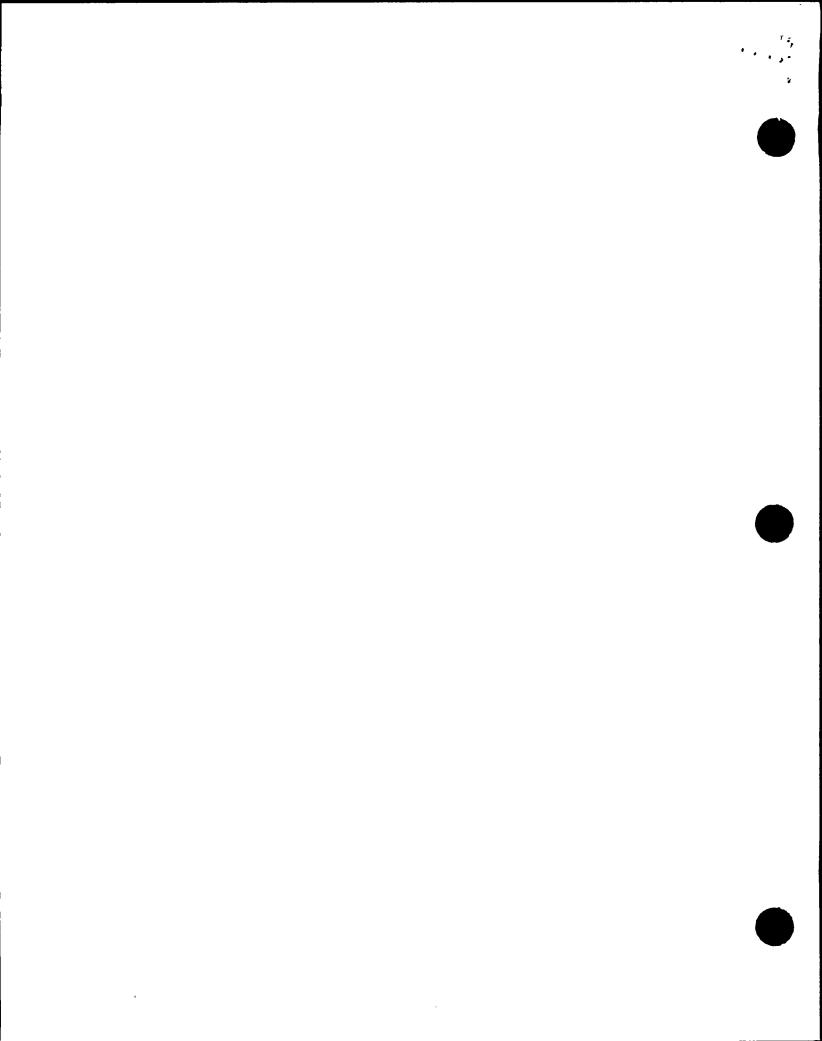
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of un Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

(a) Manufactured by	General Electric Co.	APED 175 Ourther Av	e: San Jose, California
. (b) Manufactured for _	Stock iten - standar	d part for use with GE	Boiling Nater Reactor at Niggr
	cturer's Serial No. of Part		Mohawk Unit I
(a) Constitucted Accord	ding to Blueprine No. 237E1	79 Gl B.P. Prepared by	GE, APED: D. L. Paterson
(b) Description of Par	c InspectedControl	Roi Drive	and the second s
3. Remarks Fabrica	ted and inspected in	accordancă with Section	n VIII and applicable nuclear
code cases (1	270-N) with exception	s as agreed upon with	customer. Ref, letter dated
July 14, 1966			
,			
<u>See sketch</u> sh	owing configuration a	und materials used. In	niro testoi at 2110 psi
			•
•		s partial data report are correct and t	hat all details of materials, construction, and
	I conform to the ASME Code.		1
Dic August 8	19_67_ Signed Get	neral Electric Co.	11) - Je Stormandelle
	stion fixpires December		
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	CERTIE	FICATE OF SHOP INSPEC	ΠON
	erolaned, holding a volid communel ALIPORNIA	on issued by the National Board of B and emptoyed by <u>Division</u> O	eller and Pressure Vesset Inspectors and/or the E. Trubistrial Sufety
,	nt of Industrial Rela		i the part of a pronous vennel described in this
- I	partial data report on		and state that to the best of my knowledge
end belief, the	e manufacturer has constructed th	is part in accordance with the applications.	rable sections of the ASMF Holler and Pressure
	ig this cortificate, neither the Inspi	ector nor his employer makes any war	ranty, expressed or implied, concerning the part
			r nor his employer shall be liable in any manner
Date	9-11-	oas of any kind arising from or conne	•
72	1 Iniperiore standare	.Commissions	TU A



THIS F								
ms 4-9 incl. to be								
, SILELL: Material	(Kind an i yeve.	T.S.	.B. & Spec. Min. 1	Nominal Thickness (.s.)	Corrosi In. Allows:	oa oceIn. Diam.	Ft In. L	math_Fr.
EAMS: Long	Obl., Singer, LAP.	II.T. (Yes	R.X KON TO	or or Complete	Sectioned (Ye	Efficiency	××_,	ecelbe eeau
Girth G-HEADS: (a) Mater		H.T			Sectioned	No. of Co	29¢3th	form,
Location (Top, bottom, ends)						Honisphornal Rodius		
					***************************************		*	
If removable, bol					ening	(Describe or Alli	ch 3keich)	
". STAYBOLTS:	(Vaterial)	If hollow_	Attachment	(Threaded,	Pit	ch (Horie.)	7 - (Ven.) - X	liam. (Nomina
B. JACKET CLOSU	'RI:	10000	the as sees ha	eld, bar, etc.U	ber, give dime	notono, Il boltod,	describe er skett	ik)
9. Constructed for railowable working	max.]	250	_ pei-at max.	57:	5°F•	Hin. temp. (whe less than -20	7)	
ems 10 and 11 to b	e completed for	tube sections.					·	
O. TUBE SHEETS:	Stationary, Mar	erisi - Kud s	30ec. 80.1	Dia	m. 19 cs 10 Piess u	Thickness_	In. Attachme	nt (Welded, lioi
	Floating. Ma	erial_ King K	30ec. Ne.)	Dia	m 1	n. Thickness_	_ In. Attachme	:nt
		N			_			•
1. TURES: Materia	t	0.0.	in. This	kness_	Inches or Gare	Number	Type	•
1. TUBES: Materia	(Kind à Spe 5	o.n	In. This	kness	Inches or Gage	Number	Type	(Arakhi or U
1. TUBES: Materia	(Kind & Spec. S	O.D.	In. This	kness	Inches or Gage	Number	Tyr	(Similar or U
1. TUBES: Materia ems 12-15 incl. to 2. SHELL: Materia	(Kind & Spec. S	O.D.	In. This	kness	Inches or Gage	Number	FtIn. Len	(Amight or L
2. SHELL: Materia	Kind & Species &	O.D	In. This series of tacketes No. 11. In Speec. Min. 1	kness vessels, or cominal lickness r.s.)	Inches or Gage hannels of h Corrosio In. Allowan	Number rat crehangers. n re,in, Diam	_FtIn. Len	tt eireted
2. SHELL: Materia	Kind & Species &	O.D	In. This series of tacketes No. 11. In Speec. Min. 1	kness vessels, or cominal lickness r.s.)	Inches or Gage hannels of h Corrosio In. Allowan	Number rat crehangers. n re,in, Diam	_FtIn. Len	tt eiveted seems see
2. SHELL: Materia 3. SEANS: Long (Welder	(Kind & Spe Sp. be completed) (Kind and Spec Sp. (Kind and Spec Lep	O.D	In. This crs of tacketes No. 11 .u. h spec. Min. 1	knessi vessels, or cominal licknessS.	Inches or Gage hannels of h Corrosio In. Allowane	Number	_FtIn. Len	If eiveted serbe ser fully on verse ead-
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Own		awk Power Corpor	ation	Date _	March 2	1, 1997	-	
	Nine Mile Point	P.O. Box 63 Lyco	ming N.Y.	13093 Sh	eet	_1of	<u> </u>	1
2. Plan	t <u>Nine Mile I</u> Na		· · · · · · · · · · · · · · · · · · ·	Unit!				
<u>P.O.</u>	. Box 63 Lycomii Addi	ng, New York 130 ress	093	<u>M</u> Repai	iech. Ma ir Organi	int. Work Or zation P.O. N	rder No. 96	i-04380-0
	Nine Mile Point I	Niagara Mohawk Name P.O. Box 63 Lycor Iress		Authori	zation N	ool Stamp <u>N/</u> o. <u>N/A</u> Date <u>N/A</u>	'A	
5. (a) A (b) A	ification of Syste applicable Constru pplicable Edition	m <u>CRD CONTRO</u> action Code <u>ASA</u> of Section XI Util	B31.1 ized for Rep	IVE 19 <u>55</u> Edition airs or Replacement and Replacement Co	ts 19 <u>83</u> ,	Sum. '83 AT		 Case
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, o Replacement	1	ASME Code Stamped (Yes
RD 30-	General Electric	71-598	N/A	NC02 CLASS 1	1967	REPLACE	MENT	Yes
								· ·
7. Descriper ASI	ription of Work 1 ME Work Plan in	Replace Control Ro Work Order 96-04	od Drive witl 4380-00 at c	rebuilt spare as pa ore location 30-43.	rt of prev	ventive mainte	enance. Re	placed CI
							•	
8. Tests	Conducted:							
I	Hydrostatic 🗆 Pi	neumatic 🗆 Nomi	inal Operatir	ng Pressure 🗆 Te	st Proce	dure: <u>N1-IST</u>	<u>-LK-101</u>	
	Other Pre		Test Tem					

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



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

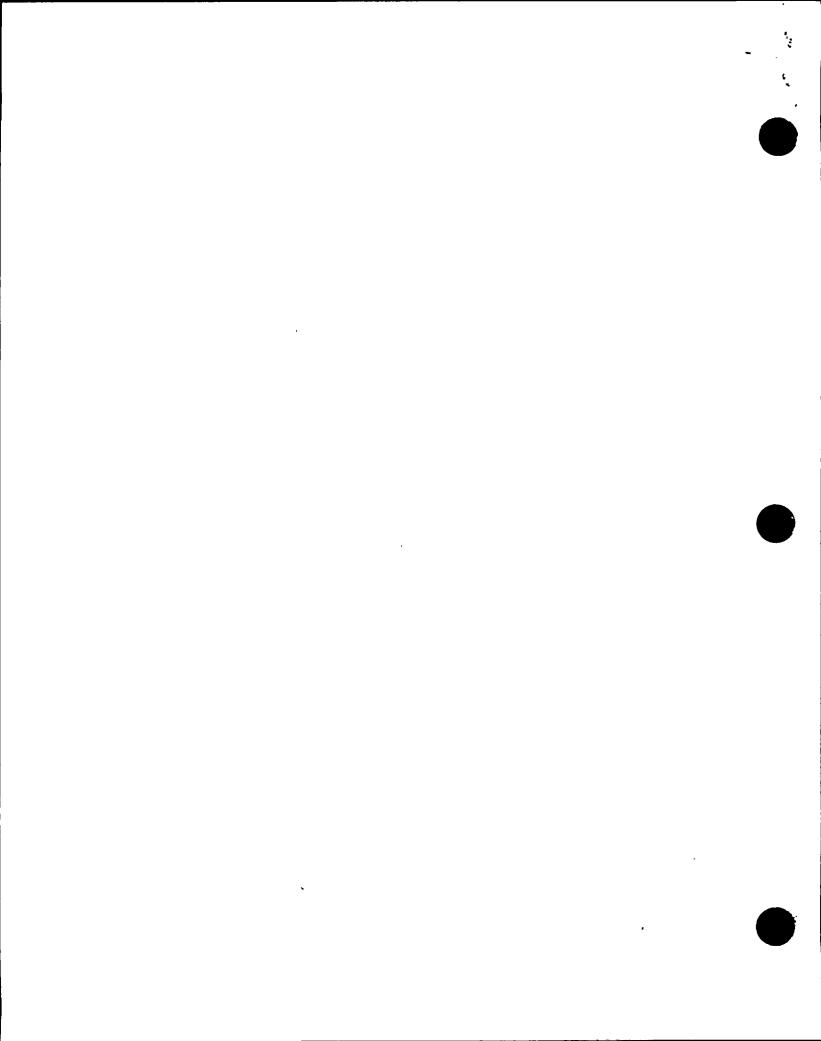
9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-598 replaced by serial no. 71-549. VT-2 per NDE Report No. 1-2.01-97-0136.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period IIIISIAG to 7/23/47, 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.
Tynn @ Arglusm Commissions NB 8496 NY2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23 ,19 97

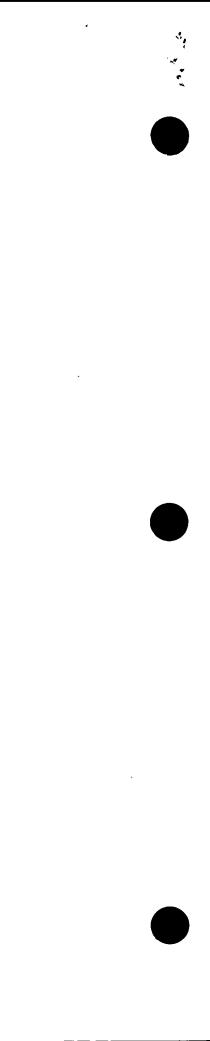
(12/82)

FORM U-2 WANUFACTURERS' PARTIAL DATA REPORT

	(35) ,
Canaral Flactule Co. ADER 175 Outnow Avec Son Year	C-21C
(Name and address of manufacturer of part)	
(b) Manufactured for Stock item - standard part for use with GE Boiling Nates (Rame and address of manufacture of belief or vessel)	r Reactor at
2. Identification-Manufacturer's Serial No. of Part # Please see serial rumbers below	reflex systems office
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED:	D.L. Peterson
•	
(b) Description of Part Inspected Control Rod Drive	
3. Remarks Fabricated and inspected in accordan co with Section VIII and appropriate the section VI	plicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref	. letter dated
July 14, 1966.	
See sketch showing configuration and materials used. Hydro tested	at 2110 psi
	••
Te certify that the statements made in this manufacturer's partial data report are correct and that all details of marcin	Als, construction, and
workmanship of this vessel conform to the ASME Code.	•
Date July 25 19 67 Signed General Electric Co. 114 JULY (Report Manufactures)	'Strake
tificate of Authorization Expires December 31, 19 67	
CERTIFICATE OF SHOP INSPECTION	——————————————————————————————————————
I, the understaned, holding a valid commission towardly the National Board of Hatler and Pressure Vession	el inspectors and/or the
State of CALIFORNIA and employed by Division of Industrial So	ifety "
. Department of Industrial Relations have inspected the part of a pressure manufacturer's partial data report on	The state of the s
and belief, the manufacturer has constructed this port in accordance with the applicable sections of the Al	MK Boiler and Pressure
Vessel Code. Zy signing this certificate, neither the Inspector nor his employer makes any morranty, expressed or impl	led, concerning the part
described in this manufacturer's pertial data report. Purhermore, 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 thir inspection	, · · · · · · · · · · · · · · · · · · ·
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(198)(\$26)(\$60), (\$92)(614)(625)(633)(664)(723)	
(34) (59) (615) (237) (330) (633) (716)	



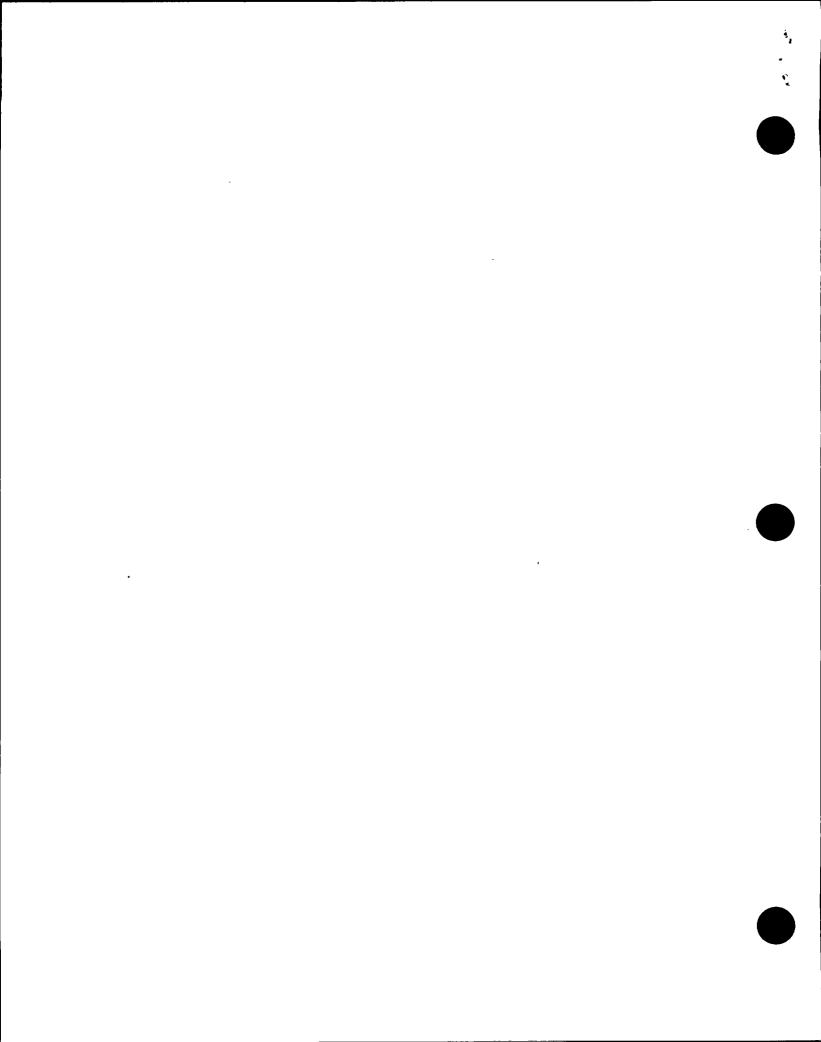
	M NOT APPI	gle wall reas	iels (such as a	ir tanks), jack	ets of jacken	:d vessels, or s	hells of heat	exchangers.
A. SHELL: Material								
EAMS: Long Welded, Dut.		II.T	X.R	S	ectioned	No. of Cov	uses	form.
G. HEADS: (a) Material Location (Top, bottom, ends)		T.S.		🚅 (b) Material				T.S Bide to Pressure envez er Coccave)
(b)								
If removable, bolts i	used <u>(Material)</u>	>;e. No. T.S.,	žire, Numberi	Other faste	ning	(Describe or Atta	ch Sketch)	
7. STAYBOLTS: (Ma								
8. JACKET CLOSURE 9. Constitucted for max allowable working p	: : ::12	10 10 10 1	be as egee & w	e: J. bar, etc. 11	or, give dimen	viene, if belied, a Min. temp. (when less than -20°)	recribe or the	^o F.
Items 10 and 11 to be c								
10. TUBE SHEETS: Sta								
11. TIMES: Material (K					laaka.			(Straight or U)
tems 12-15 incl. to be	e completed for	inner chambe	en at included					
			TS OF TACKETED	vessess, or cr	annels of he	at exchangets.		
SHELL: Material (R	ind and spec. Ne	T.S.	No Th B. h spec. Vin. 1	ominal nickness r.s.,	Corros un In. Allowanc	e,In. Diam	Ftla. Ler	If elveted des
SHELL: Material (R) EAMS: Long (Welded, Db)	Kind and Spec. Si	T.S. (Fig. 00 F.)	No Th B. K spec. Van. 7 Tue Hol ^k V.R. X.R.	ominal nickness r.s.) Separt or Cample(e)	Corros am In. Allowance ctioned	eIn, Diam । जिल्लास्का 	Ftla. Ler	If elveted de- ecribe seams fully on re- verse side of form.
SHELL: Material (R SEAMS: Long Melded, Db	Kind and Spec. Si	11.T. (Yes	No Th B. Is spec. Win. 7 For Hol ^k V.R. X.R. (b) Ma	ominal nickness r.S.) Seport or Complete)	Corrosion In. Allowance ctioned	ein. Diam I (licienc 	Ftin. Ler	igthFtIn If riveted de- ecribe seams fully on re- verse side of form. T-S
SHELL: Material (REAMS: Long Weided, Db. Girth Location	Kind and Spec. Sind. Single, Lep. D	11.T. (Yes	No. 1	ominal nickness F.S.) Sector Complete) Kettrial Ratio	Corrosion In. Allowance ctioned Ctioned Crioned Content April ongle	ein. Diam I (licienc 	Ftin. Ler	If elveted de- ecribe seams fully on re- verse side of form.
Girth Location (a) Top, buttom, end (b) Channel	Kind and Spec. Sind. Single, Lep. D	11.T. (Yes	No. Th. Th. Th. Th. Th. Th. Th. Th. Th. Th	ominal nickness r.S.) Seport or Complete)	Corrosion Allowance (Yes	No. of co	Ftin. Ler	igthFtIn If riveted de- ecribe seams fully on re- verse side of form. T-S
SHELL: Material (REAMS: Long Weided, Db. Girth Location (a) Top, buttom, encountered	AlThickness	T.S. (Fig. or F.	No. Th. Th. Th. Th. T. W.R. (Sp. X.R. (Sp. X.R. (b) Ma Knuckie Redius	minal nickness F.S.) Separar Complete) Kerial Kiliptical Ratio	Corrosion Allowance (Yes	No. of co	Ftin. Ler	igthFtIn If riveted de- ecribe seams fully on re- verse side of form. T-S
Girth Location (a) Top, buttom, end (b) Channel (c) Floating If removable, bolts	Cind and Spec. Section 20. Single, Lop. D al Thickness ds a used (a)	T.S. (Fig. or F.	No. Th. Th. Th. Th. Th. Th. Th. Th. Th. Th	minal nickness F.S.) Sector Complete) Sector Complete) Retion Retion (b)	Corros and In. Allowance ctioned Type Control April angle	No. of co	Ftin. Ler	igthFtIn If riveted de- ecribe seams fully on re- verse side of form. T-S
Girth 4. HEADS: (a) Material Location (a) Top, buttom, end (b) Channel (c) Floating If removable, bolts	Thickness a used (a)	T.S. (Fig. or F.	No. Th. Th. Th. Th. T. W.R. (Sp. X.R. (Sp. X.R. (b) Ma Knuckie Redius	minal nickness r.s.) Separate Complete) Kentrial Kiliptical Ratio Other	Corrosion Allowance Crioned Type Control Apre angle	No. of co	Fig. In Ler	igthFtIn If riveted de- ecribe seams fully on re- verse side of form. T-S
Girth 4. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts 15. Constructed for manallowable working	Thickness ds	T.S. (Fig. or F.) 11.T. (Yes 11.T. (Yes 11.T. (Yes Crawn Nadius	No. The Spec. Min. 1 S. R. Spec. Min. 1 X.R. (Sp. X.R.	minal nickness r.s.) Separate Complete) Kentrial Kiliptical Ratio Other	Corrosion Allowance Crioned Type Control Apre angle	No. of co (c) Materi Homispherical Radius (Describe or Min. temp. (w)	Fig. In Ler	If tiveted de- ective seams fully on re- verse side of form. T.S. Side to Pressure Convex or Concave
GIELL: Material (R) SEAMS: Long (Melded.Db) Girth 4. HEADS: (a) Material (b) Channel (c) Floating If removable, bolta	Thickness ds	T.S. (Fig. or F. 11.T. (Yes 11.T. T.S. Crawn Radius (Material, Spec	No. The Spec. Min. 1 S. R. Spec. Min. 1 X.R. (Sp. X.R.	minal nickness r.s.) Separate Complete) Kentrial Kiliptical Ratio Other	Corrosion Allowance Crioned Type Control Apre angle	No. of co (c) Materi Homispherical Radius (Describe or Min. temp. (w)	FrIn. Ler y waca planetor (Clinch Metch) http://www.com/parchistory Clinch Metch)	If tiveted de- ective seams fully on re- verse side of form. T.S. Side to Pressure Convex or Concave
Girth 4. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts 15. Constructed for magaling the working cems below to be com	Thickness ds	T.S. (Fig. or F. 11.T. (Yes 11.T. T.S. Crawn Radius (Material, Spec	No. The Spect Min. 1 D. Maper. Min. 1 V.R. X.R. (b) Ma Knuckte Rediue . No. T R , Size pai at max.	minal nickness r.S.) Serior Complete) Kertial Kilipical Ratia Other	Corros and In. Allowance ctioned T.S. Control Aprel angle	No. of co No. of co (c) Material Reduce (Georgia er a Min. temp. (w) Loca	FrIn. Ler y waca planetor (Clinch Metch) http://www.com/parchistory Clinch Metch)	If tiveted de- ective seams fully on re- verse side of form. T.S. Side to Pressure Convex or Concave
Girth 4. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts 15. Constructed for ma allowable working cms below to be com 6. SAFETY VALVE 7. NOZZI ES:	Thickness as used (a) (c) ar. pleas 4 outlitis: No	T.S. (Fig. or F. II.T. (Yes II.T. T.S. Crawn Nadius (Morerial, Spee	No. TA Size poi at max. A specialicable.	minal nickness r.S.) Serior Complete) Kertial Kilipical Ratia Other	Corros and In. Allowance ctioned T.S. Control Aprel angle	No. of co (c) Materi Hemispherical Redius (Hoserise er a Min. temp. (w) F. less than -2	Plater (If tiveted de- scribe asams fully on re- verse aide of form. T.S. Side to Pressure Convex or Concave
Girth 4. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts 15. Constructed for ma allowable working cms below to be com 6. SAFETY VALVE 7. NOZZI ES:	Thickness ds auscd (a) press press OUTLETS: No	T.S. (Fig. or F. 11.T. (Yes 11.T. T.S. Crawn Radius (Material, Spec	No. The Spect Vin. 1 OF No. V.R. (b) Via Knucktor Redius . No., T. R., Size pai at max. r applicable.	minal nickness r.s.) Seper or Complete) Kertial Kilipical Ravia Other Lemp. Size	Corros non In. Allowance ctioned T.S. Control Apre angle or fastening	No. of co (c) Materi Hemispherical Redius (Hoserise er a Min.temp.(w) F. less than -2	Fig. In. Ler y wacs planeter (Clinch Shetch) hon Clinch Shetch) hon Meterical	If tiveted de- scribe acams fully on re- verse aide of form. T.S. Side to Pressure Convex or Concave Attended
SHELL: Material (R) SEAMS: Long Welded.Db Girth 4. HEADS: (a) Materia Location (a) Top. buttom, end (b) Channel (c) Floating If removable, bolts 15. Constructed for ma- allowable working rems below to be com 6. SAFETY VALVE 7. NOZZI ESI Purpose (lelet, Outlet, Drain) 3. INSPECTION Ma OPENINGS: 11a	Thickness ds auscd (a) press Number	T.S. (Fig. or F. II.T. (Yes II.T. T.S. Crawn Nadius (Material, Spec	No. The Spect Vin. 1 OF No. V.R. (b) Via Knucktor Redius . No., T. R., Size pai at max. r applicable.	minal nickness r.S.) Serior Complete) Kerial Kilipical Ratio Other Lemp. Size	Corros and In. Allowance thoused Type Control April angle or fastening	No. of co No. of co (c) Material Homispherical Radius (Hoseriae er Min. temp. (w) F. less than -2	FrIn. Ler y wrace planeter (Clinch Meterial Residencement Motorial	If tiveted de- ection assume fully on re- verse side of form. T.S. Side to Pressure Convex or Concave Attorned



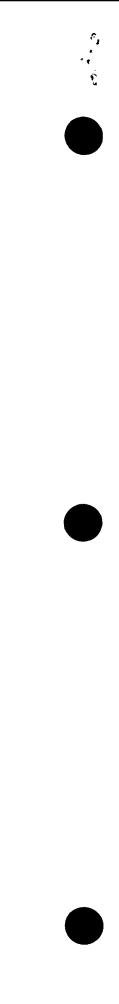
00424 0254

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

71. (a) 411	dinufactured by General Electric Co., APED, 175 Curtue	er Ave; San Jose, California
(ь) Ма	deputes wed for Stock item - standard part for use wit	
~ 2. Identi	tilication-Manufacturer's Serial No. of Part 71: -34369 573 579	199,753,538,F1),539,653,663,655,671
	Constitucted According to Blueprint No. 237E179 G1 612, 750, 62	GE, APED: U.L. Peterson
	Description of Part Inspected. Control Rod Drive	
3. Remai	Fabricated and inspected in accordance with S	ection VIII and applicable nuclear
code	de cases (1270-N) with exceptions as agreed upon w	ith customer. Ref. letter dated
July	ly 14, 1966.	
Sec	e sketch showing configuration and materials used.	llydro tested at 2110 psi
Wotkman	certify that the statements made in this manufacturer's partial data report are certe inship of this vessel conform to the ASME Code. July 316 19 67 Signed General Electric Co (Manufacturer) icate of Authorization Expires December 31 19 67	
78.	CERTIFICATE OF SHOP IN	1
rei e	Description of Value and Delegions	n of Industrial Safety
	menulacturer's partial data report on	19, and state that to the best of my knewledge
	, Veneri Code,	•
	By signing this certificate, newher the Inspector nor his employer makes described in this manufacturer's partial data report. Euchermers, newher the	
Sect	for any personal injury or property damage or a loca of any hind arising from a Date 10 6 7 Coronissions ()	
	Inspectare signature	North Barrel or State and No.
•	•	



nits poo	M NOT APPI	TCAPLE -	CEE RITE	יכדע יועדעת		ND SLETTLE		
me 4-0 invl to be con	natured for sie	ala mall mana	ale lauch se	sir tanka), iacl	ers of incker	ed vessels, or s	shells of heat	exchangers.
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. HEADS: (a) Material								T.S
Location . (Top, button, ends) T	Thickness	Crown Redius	Rouckie Rodne	Refle	Contral Apex ongle	Hemispherical Radius	Diameter (C	envez of Concar
(a)								
(b)i					ening			***
7. STAYROLTS:	icrial)	f hollow	Attachmet (Hole)	(Threaded,	Weided) Pic	ch (Horizi) ?	(Ven.)	Diam. (Nominal
8. JACKET CLOSURE	:							L.E.
9. Constructed for max allowable working p								(CA)
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iems 10 and 11 to be c	'							•
O. TUBE SHEETS: Sta	itionary. Mater	ial King &	Spec. 90.7	Dia	ım. Sjec i to Piess u	. Thickness	In. Attachm	ent (Wolded <mark>, Dol</mark> t
			-					
* 1.1.	varine. Marce	ial		171.	10 · 10	10 8 111 5 1111 7 7		
4	vating. Mater					•		
11. TUBES: Material (18	ind & Special State	o.b	In. Th	ickness	Inches or Gage	Number	Ти	•
11. TUBES: Material	ind & spec. Sr.	n.b	In. Th	ickness	inches or Gage	Number	Ту	(MINIA)
11. TUBES: Material	ind & spec. Sr.	n.b	In. Th	ickness	inches or Gage	Number	Ту	Make enter
II. TUBES: Material (Kitems 12-15 incl. to be	ind & spec. No. 1 completed for find and Spec. N	T.S. (Fig. or F.	In. There is no section of the s	ickness d vessels, or disminal Thickness T.S.)	Inches or Gage channels of h Corrosio In. Allowand	Number	Tys	ngth. Ft.
II. TUBES: Material (Kitems 12-15 incl. to be	ind & spec. No. 1 completed for find and Spec. N	T.S. (Fig. or F.	In. There is no section of the s	ickness d vessels, or disminal Thickness T.S.)	Inches or Gage channels of h Corrosio In. Allowand	Number	Tys	ingtheFte
II. TUBES: Material (Kins 12-15 incl. to be Ultil.l.: Material (Kins 13-15).	ind h spec. No. 1 completed for Sind and Spec. No. 1 il., Single, Lap, E	II.T. Yes	In. The res of jackets U. & Spec. Hin. Out of No. 12	d vessels, or discount of the control of the contro	Inches or Gage channels of h Corrosio In. Allowand sectioned	Number	Tyr	ingth. Ft.
1. TUBES: Material (K) tems 12-15 incl. to be VIII.L.: Material (G) 13. SEAMS: Long (Weised, Dr)	ind h spec. No. o completed for Cinit and Spec. No. o il., Single, Lap, I	II.T.	In. The res of jackete to the second	d vessels, or disminal finishness	Inches or Gage channels of h Corrosio In. Allowand ectioned Type sectioned	Number	Tys	ingthe. Fte If riveted describe each fully on the state from the state form.
1. TUBES: Material (K) tems 12-15 incl. to be VIII.L: Material (G) 13. SEAMS: Long (Welfed, Dr) 14. HEADS: (a) Material	ind h spec. No. 10 completed for Sind and Spec. No. 11. Single, Lap. 12.	II.T. Yes	In. The res of jackets U. & Spec. Win. W. R. (b) \ Korekie	d vessels, or circumstations. T.S.) Sput or Complete taterial	Inches or Gage channels of h Corrosio In. Allowand ectioned Type sectioned	Number	Typ	ingthe. Fte If riveted describe each fully on the state from the state form.
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1. TUBES: Material (K) tems 12-15 incl. to be VIII.L: Material (G) 13. SEAMS: Long (Welfed, Dr) 14. HEADS: (a) Material	Cind and Spec. No. 1 Cind and Spec. No. 1 Cind and Spec. No. 1 Cind and Spec. No. 2 Cind and	II.T. Yes	In. The res of jackets U. & Spec. Win. W. R. (b) \ Korekie	d vessels, or circumstations. T.S.) Sput or Complete taterial	Inches or Gage channels of h Corrosio In. Allowand ectioned Tyo cectioned Tyo Contest	Number	Typ	of the light of U
13. SEAMS: Long (Welfed, Dr. 14. HEADS: (a) Material (b) Lecation (a) Top, bottom, en (b) Channel (c) Floating	Completed for Sind and Spec. No. 1. Single, Lap. 1. Thickness ds	Inner chamta T.S. (Fig. or F. II.T. T.S. Covern Rediue	In. The result of packets of packets of packets of packets of the	d vessels, or dominal hickness	Inches or Gage channels of h Corrosio In. Allowand ectioned Tyo certioned Tyo Control Arra angle	Number	Typ	If rivered of Service and faily on service and farm. T.N.
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13. SEAMS: Long (Welded, Dr. Lecation (a) Top, bottom, en (b) Channel (c) Floating (If removable, bolts)	Completed for Sind and Spec. No. 1. Single, Lap. 1. Thickness ds	Inner chamta T.S. (Fig. or F. II.T. T.S. Covern Rediue	In. The result of packets of packets of packets of packets of the	d vessels, or diversels, or di	Inches or Gage channels of h Corrosio In. Allowand ectioned Tyo certioned Tyo Control Arra angle	Number	ttin. i.e. Kry ourses rial Dismeter (if riveted of United the series and form. I have given and form. I have given and form.
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13. SEAMS: Long Well-LL: Material Girth Lecation (a) Top, bottom, en (b) Channel (c) Floating If removable, bolts allowable working	ind a spec. No. a completed for Sind and Spec. No. Single, Lap. I al. Thickness ds (c) ar. spices 4 spices 5 spices 5 spices 6	Inner chamber T.S. (Yig. or F. II.T. T.S. Cross Redine	In. The result of packets and	d vessels, or distributions. T.S.) Sput or Complete Staterial E'liptical Ratto Or	Inches or Gage channels of h Corrosio In. Allowand ectioned Tyo control Area angle	Number	Tyr	if riveted of the series of th
1. TUBES: Material (K) (Ems 12-15 incl. to be VIELL: Material (G) (G) (G) (A) Top. bottom. en (b) Channel (c) Floating (f) removable, bolts (E) (E) (E) (E) (E) (E) (E) (E	ind a spec. No. a completed for Sind and Spec. No. Single, Lap. I al. Thickness ds (c) ar. spices 4 spices 5 spices 5 spices 6	Inner chamber T.S. (Yig. or F. II.T. T.S. Cross Redine	In. The result of packets and	d vessels, or dominal Chickness	Inches or Gage Channels of h Corrosional Type Control Allowand Arra angle her fastening	Number	Tyrent Leave Tyrent Leave Leav	(fernique or U
13. SEAMS: Long (Welded, Dr.) 14. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts 15. Constructed for many allumable working Items below to be con 16. SAFETY VALVE 17. NOVALUS.	Thickness ds	Inner chamta T.S. (Pig. or F. II.T. T.S. Covern Radius (Carerial, Spec	In. The result of particular applicable.	d vessels, or dominal Chickness	Inches or Gage channels of h Corrosio In. Allowand ectioned Tyo control Area angle	Number	Tys _ ft in. i.e. Kry Duracta Flat Diameter (Altech Shetch) shys ation	(fernique or U) IngthoFto
13. SEAMS: Long WELL: Material Girth Lecation (a) Top. bottom, en (b) Channel (c) Floating If removable, bolts 15. Constructed for many allowable working Items below to be con 16. SAFETY VALVE 17. NOZALES: Pagnage (Inter.) (Const. Inam)	Thickness ds	Inner chamta T.S. (Pig. or F. II.T. T.S. Covern Radius (Carerial, Spec	In. The result of particular applicable.	d vessels, or imminal hickness	Inches or Gage channels of h Corrosio In. Allowand ectioned Tyo certioned Area origin	Number	Tyrent Leave Tyrent Leave Leav	(fereight or U) If riveted de scribe ace fully on the serie aide form. I de to Pressu Convex or Convex o
13. SEAMS: Long (Welded, Dr.) 14. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts 15. Constructed for many allumable working Items below to be con 16. SAFETY VALVE 17. NOVALUS.	Thickness ds	Inner chamta T.S. (Pig. or F. II.T. T.S. Covern Radius (Carerial, Spec	In. The result of Jackete Manager Months at manager applicable.	d vessels, or dominal thickness Sput or Complete Sput or Complete Staterial Etterial State Otto temp Sign	Inches or Gage channels of h Corrosio In. Allowand ectioned Tyo certioned Area south	Number	Tyrent Leave Tyrent Leave Leav	(fereight or U) Ingtho
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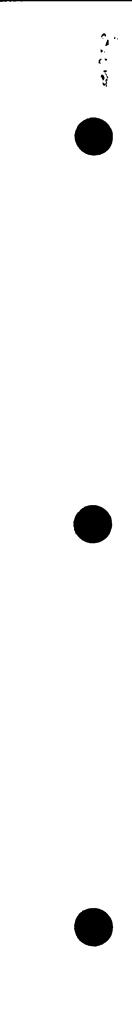
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

(a) Manufacture Concret Flootric Co. ADED 175 Ourtner Ave: San Toro California
I. (a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
(h) Manufactured for Stock iten - standard part for use with GE Boiling Water Reactor at Niagra
2. Identification-Manufacturer's Serial No. of Part 71: - 484) 539
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D. L. Poterson
(b) Description of Part InspectedControl Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. living tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code.
ate August 8 19 67 Signed General Electric Co. 11, -7, (1) (Representative)
Afficate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION
1) the undersigned, holding a valid commission issued by the Notional Board of Notional Pressure Vessel Inspectors and/or the state of CALIFORNIA and employed by Division of Inclustrial Safety of
Department of Industrial Relations have inspected the part of a processed seasest described in this
and belief, the manufacturer has constructed this part in occordance with the applicable sections of the ASUF Holler and Pressure
Vessel Code.
By signing this certificate, nëither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part
described in this manufacturer's partial data report. Furthermore, norther the Inspector nor his applicate shall be liable in any manner
for any personal injury or property famage or a loss of any kind arising from or connected with this inspection
Date 7-11- 19 67 Commissions (%) (7) 6 Commissions (%) (7) 6
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		(100 (110))				••	verse side of
Girth	н.т.	X.R.,	S	ectioned	No. of Cou		form.
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(p)			 .		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
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", STAYBOLTS:	If hollow	Attachmentsize of Holes	(Thresded, 9	Pite	h (Horse.) X	(Vert.)	Jiam. (<u>Hominal</u>
B. JACKET CLOSURE:		Describe an acce has	eld. See. etc. If I	er alve diese	stene. If helted, d	eacriba ar abet	(b)
o. Constructed for max. Allowable working press.	. 1250		575	0	Min. temp. (when	*******	
allowable working press.		pei at max.	temp.	°F.	less than -20)		
ems 10 and 11 to be comple	real for tube seen	ions.					
O. TUBE SHEETS: Stations	ery.Mareriai _ R	ind & Seec. No.1	Diam (Svb)	i. ect to Previus	. Thickness	_In. Attachm	ent (Welded, Isolie
t wattu	k. (121611311 - X	lint & Spec. No.)		" "		_ m. Anaema	· · · · · · · · · · · · · · · · · · ·
1. TUBES: Material (Kind S.	0.1)	In. This	ckness	or liske	Number	Typ	Granda ann
(Kind 5	Sper Sal						
ems 12-15, incl. to be com	pleted for inner a	hambers of tacketes	d vessels, or ct	annels of he	at exchangers.		
ems 12-15, incl. to be com	pleted for inner a	hambers of tacketes	d vessels, or ct	annels of he	at exchangers.		
ems 12-15 incl. to be com	pleted for inner a	hambers of tacketes	d vessels, or ct	annels of he	at exchangers.		sthFt
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2. SHELL: Material Kind e	rleted for inner s T.S. nd Spiec. No. (1) ngle, Lep. fluit)	hambers of sacketes N TT g. qc F.U. h Spec. Min. (Yee or Ne) X.R. X.R.	d vessels, or chemical hickness Series Complete)	Corrosion In. Allowance	Lat en hangers. Lat en hangers. Lat en hangers. Lat en hangers. Titlicienc	ftin. Len	gth. Ft
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Girth Locatton (b) Channel (c) Floating (d) France (d) Floating If removable, bolts used	pleted for inner s T.S. nd Spec. Sn. (1) itie. Lep. Hatt H.T. T.S. hickness Rec	Hambers of sackete. No. T. I. Spec. Min. X.R. (b) Vi. San Knuckle. Redius	cminal hickness T.S.) For or Complete) Attrial E'liprical Ratio	ctioned Contain In. Allowanc ctioned Tel. Contail April angle	No. of contents of the leading of th	ftin. Len y	gth. Fto
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2. SHELL: Material (Kind a) 3. SEAMS: Long (Welded, Delt., Str. Girth 14. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts used (c) Saffery Valve Outlete 16. SAFETY VALVE OUTlete, Drain) 18. INSPECTION Manhole	pleted for inner s nd Spee, Sn. (1) nele, Lep, Hoet 11.T. T.S. hickness Rec (Meterial LFTS: Number inher Dian	hambers of tackete. No. T.	d vessels, or ci- cminal hickness T.S.) For or Complete) Series E'liprical Ratio Other temp. Size	ctioned Testioned Testione	In Diam. No. of countries No. of countries Itemsopherical Radius IDescribe or A Min. temp. (wh I'. less than -20	Ftin. Len y fi weres al Diameter (C	gth. Ft. If riveted describe seem fully on revise aide form. T.S. Side to Pressur onvex or Core.
12. SHELL: Material (Sind a SEAMS: Long (Welder), Dol., Sind a (Welder), Dollar, Dol	pleted for inner s T.S. T.S. II.T. II.T. T.S. hickness Rec II.T. Add for all sessible LFTS: Number Inner S So, No.	hambers of tackete. No. T.	d vessels, or ci- cminal hickness T.S.) For or Complete) Se attrial E'liprical Ratio Othe temp. Size	ctioned Telescening Control Control Control Control April angle rial ctioned Control Control Control April angle ctioned Control Cont	In Diam. No. of countries No. of countries Itemsopherical Radius IDescribe of A Min. temp. (wh I'. less than -20 Luca This hoose	Ftin. Len y fi weres al Diameter (C	gth. Ft. If riveted describe seem fully on revise aide form. T.S. Side to Pressur onvex or Core.



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

As Required by the Provisions of the ASME Code Section XI

	Nine Mile Point	P.O. Box 63 Lyco	ming N.Y.	13093 Sh	eet	1of	1
2. Plan	t <u>Nine Mile</u>	Point me		Unit!	[
	. Box 63 Lycomi Add	ng, New York 130 ress Niagara Mohawk	_	Repai	r Organi	int. Work Order No. zation P.O. No., Job bol Stamp <u>N/A</u>	No., etc.
		Name P.O. Box 63 Lycor Iress	ning N.Y. 1	3093 Authori Ex	zation N piration	o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	Applicable Construction Applicable Edition	of Section XI Util	B31.1 ized for Rep		ls 19 <u>83</u> ,		de Case
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
RD 30-	General Electric	6874	N/A	NC02 CLASS 1	1977 *	REPLACEMENT	Yes
				,			
							<u> </u>
7. Desc	ription of Work] ME Work Plan in	Replace Control Ro Work Order 96-04	d Drive with 4381-00 at c	n rehuilt spare as pa ore location 30-47.	rt of prev	ventive maintenance. I	Replaced C
8. Tests	: Conducted:	•					
		neumatic 🗆 Nomi	inal Operatin	ng Pressure 🗆 Te	st Proce	dure: <u>N1-IST-LK-101</u>	
	Other Pre	ssure <u>1044.6 PSIG</u>	Test Temi	n 226 Deg	٥F		

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

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

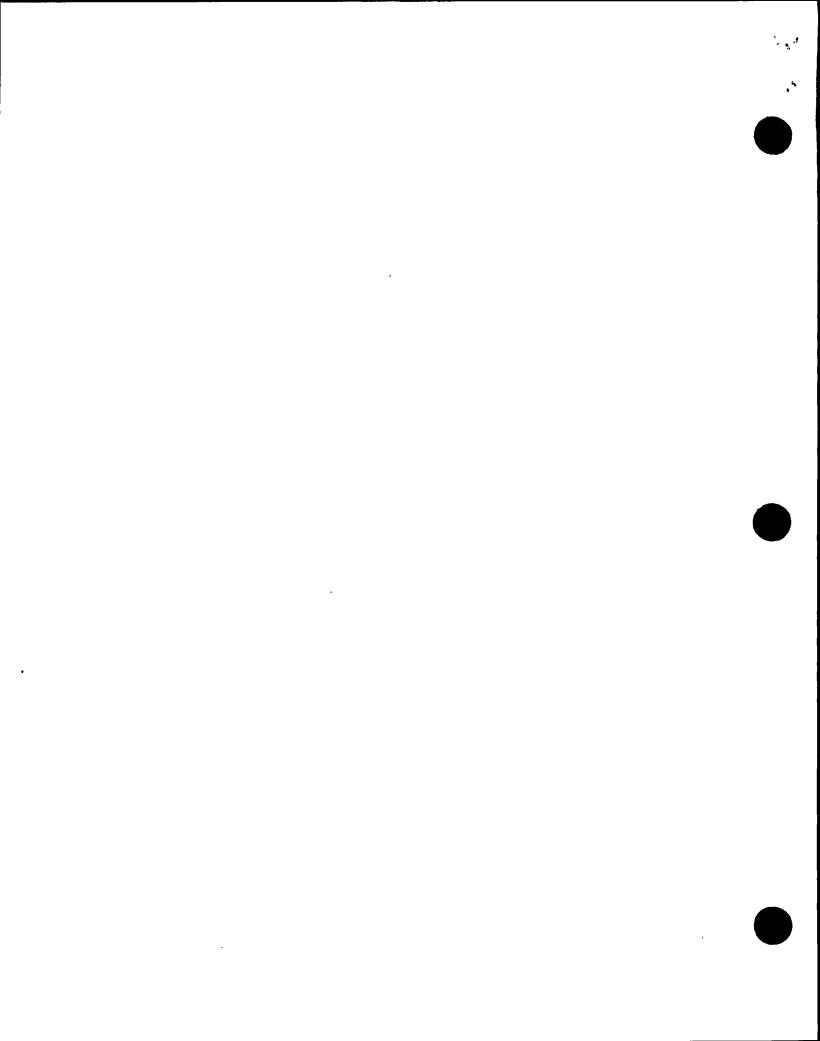
9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 6874 replaced by serial no. 71-474. VT-2 per NDE Report No. 1-2.01-97-0136.

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 Some Series Maint Manager Date 7.21 , 19 97 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 U117146 to 7123147, 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 <u>AIB 8496 NY 2812</u> Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

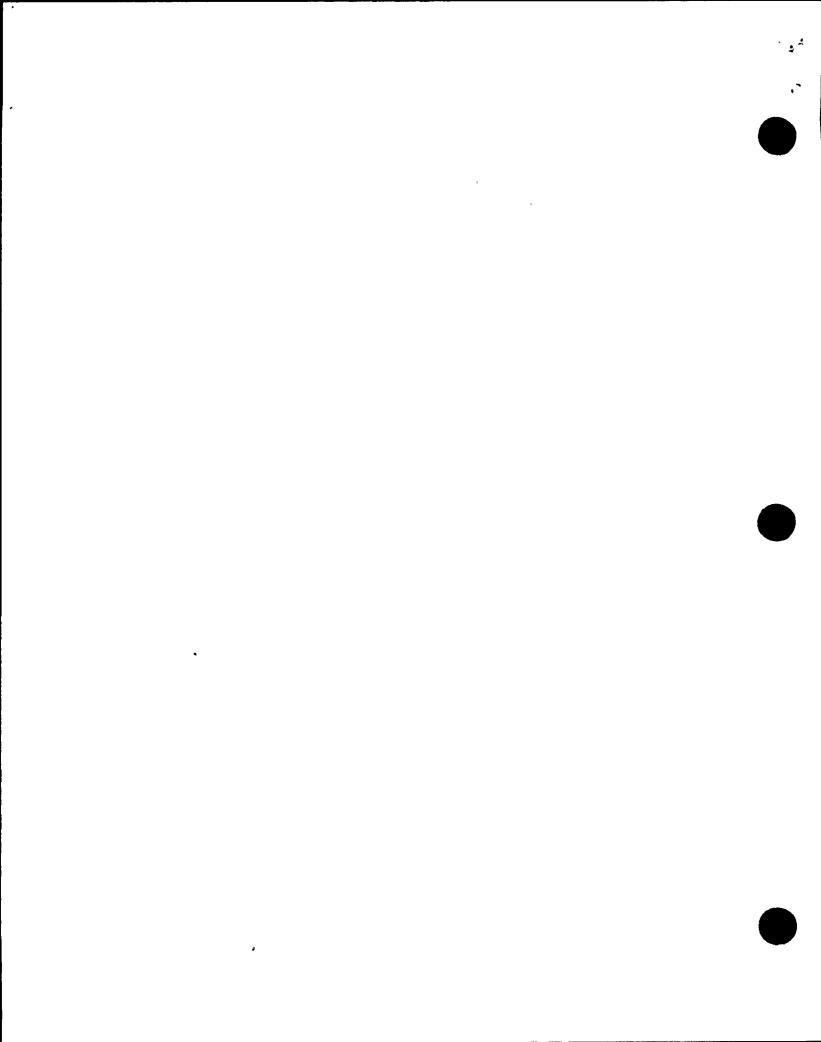
(12/82)

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

Manufactured by General Electric Co., APED, 175 Ourtner Ave; San Jose; California
(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at (Name and address of manufacture of beller or vessel) Niggra Mohawk Inde
(Name and address of manufacturer of boiler or vessel) Ningra Mohank Unit 2. Identification-Manufacturer's Serial No. of Part Please see serial numbers below
(a) Constructed According to Blueprint No. 237E179 G1 . B.P. Prepared by GE, APED: D.L. Peterson .
. (b) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordan co with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
••
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code. Date July 25 19 67 Signed General Electric Co. By JUC, Representative)
tificate of Authorization Expires December 31, 19_67
CERTIFICATE OF SHOP INSPECTION
I, the understaned, holding a raild commission team thy the Notice of Board of State of CALIFORNIA and employed by Division of Industrial Safaty of Department of Industrial Relations have inspected the part of a pressure reaset described in this
manufacturer's partial data report on
Vessel Code. Zy signing this certificate, neither the Inspector nor his employer makes any wormanty, expressed or implied, concerning the part
described in this manufacturer's partial data report. Furthermore, neither the happertor nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any hind arising from or connected with thir inspection.
Date
71: - 334\337(338)31)(348,349,368\(394\\399)\\310,\\417,\\419,\\428,\\330,\\436,\\40,\\427,\\430,\\436,\\40,\\427,\\430,\\457,\\462,\\430,\\436,
(198)(526)(569)(592)(613)(623)(633)(634)(723)
(A) (S) (S) (S) (S) (S) (T)



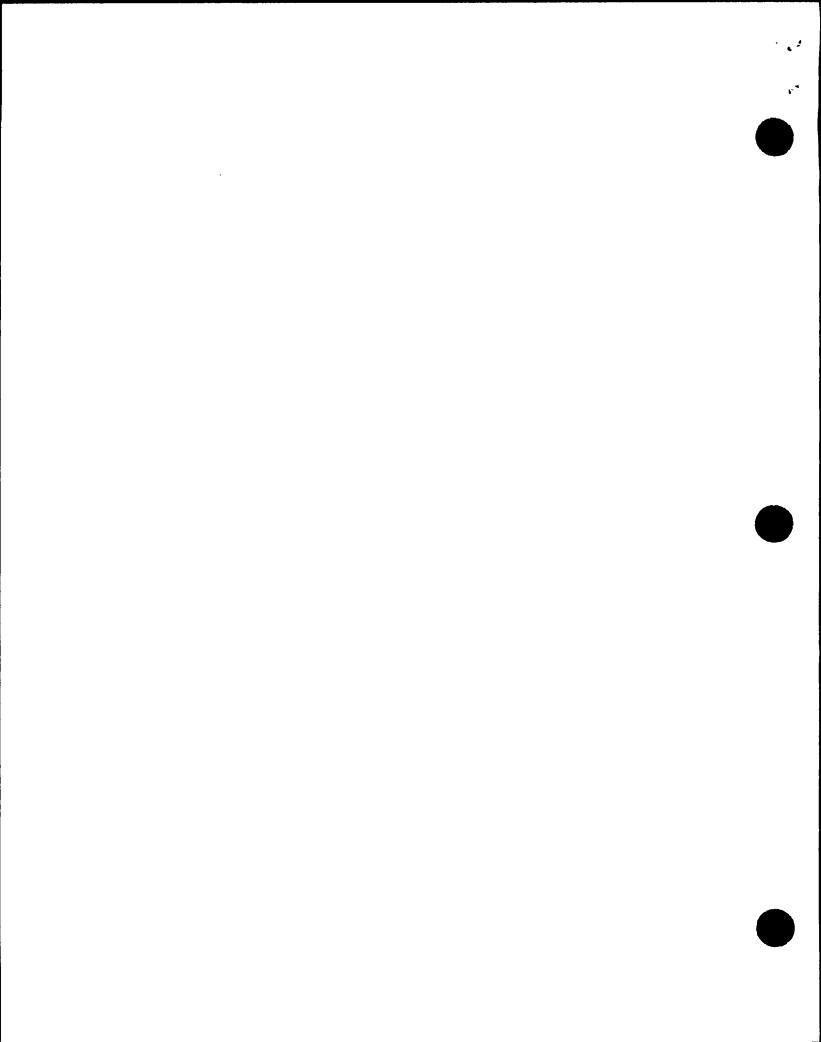
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	WELL AND ASSESSED.	٠٠٠ ١٥ ١٥ م.٠٠٠ ١٥	inal C	CHELEN AERREIN	-, -nens of state	
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Girth HEADS: (a) Material	_ II.T T.S.	X.R	Sectioned b) Material	i No. u	Courses	form.
. Location (Top, bottom, ends) Thickness	Cronn P Redius	Cnuckie Ziii Radius X	ptical Conica	l Hemispheric gle Radius		
(b)						
lf removable, bolts used				(Describe or	Allach Chaich	
. STAYBOLTS: (Material)						
Constructed for max.	(Descent	• 40 0ger & 40;3;	ber, etc. if ber, give	dimensions, if beli	ed, describe se sketc	<u>h)</u>
. Constructed for max. allowable working press. 1	250	psi at max. tem	p575	Min. temp. (1 F. less than -	hen 20°)	°F
ems 10 and 11 to be completed for						
). TUBE SHEETS: Stationary, Mate	rial - Rind & H	oec. No.1	Diama (Subject to Pr	In. Thickness	In. Attachme	nt (Wolded, Bolted)
Floating. Mate	rial Kind & \$	pec. N	Diam.	_ In. Thickness	In. Attachme	nt
. TUBES: Material (Kind & Spee, No. ms 12–15 incl. to be completed for			V L	4 -	•	
ems 12–15 incl. to be completed to	r inner chamber	s of jacketed ver	sels, or channels	of heat eachange	15.	
SHELL: Material (Kind and spec.) SEAMS: Long (Melded, Dbi., Single, Lap.) Girth	Dan Tree	ज्ञास्त्र ४.४।	Sectioned,	TYPE STREET ! !!!!	iency #	fully on re-
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- Location Thickness	Crann Radius	Knuckle Redius	Kilipical Coni Ratio Aprel	cal Homispher Ingle Radius	ical Flat S Diameter (Co	ide to Pressure Myes or Concas
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(c) Floating If removable, bolts used (a)			(b):		· ·	
	(Moterial, Spec.	40.14 8 7.300 90	•	•		
(c) 5. Constructed for max. allowable working press *		psi at max-tem	Other fastes	ing (Nescrise Min. temp T. less than	er Allach Malch?	
cms below to be completed for all						
	··	4,14,04,44	Size		Lot Ation	
G. SAFETY VALVE OUTLETS: S. NOZZI ES: Purpose (Inlet. Outlet, Drain) . Number	Diam. + Stat	· 5445	Meterial	Thickness	Reinfactement Motorial	Hew Attached
Ordies, Dialny , Member	_ '				·	*#
3. INSPECTION Manholes, No.		_ Size		-		
OPENINGS: Handholes, No. Threaded, No.		Size Size	Location			
J. SUPPORTS: Skin . ITEE AT NO				Other	Atta	ched (Bhois & F
(100 m No)	(Numine)	irernal pressures with	(, (i		
•	Lier in the item 1	other inversal or e	retaat bestades an	# 40M5 MOUT TOUGH	rature when applicab	₩,



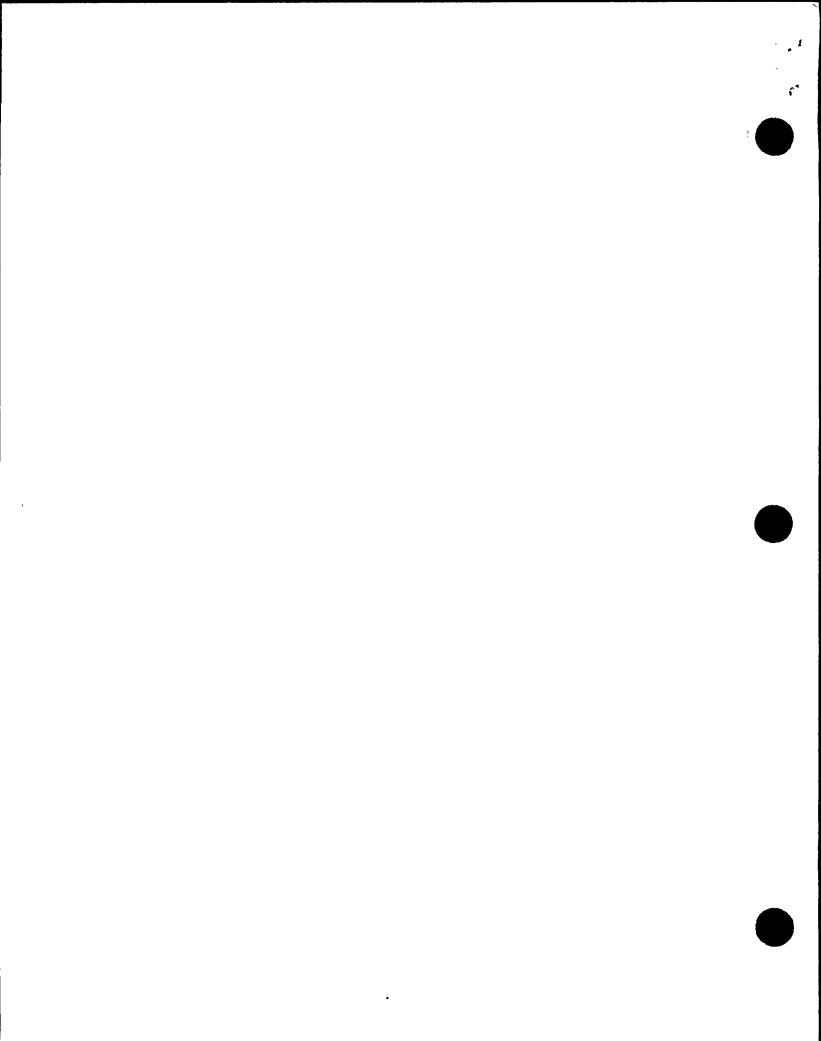
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

nà .
1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(b) Manufactured for Stock item - standard part for use with GB Boiling Water Resctor at (Name and address of manufactures of boiling in vessel Nilgra Molinik Unit
2. Identification-Vanufacturer's Serial No. of Part 71: -34369 479 579 490 453 538 641 549 (551 561) 655 67
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson
(b) Description of Part Inspected Control Rod Drive :
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
Workmanship of this vessel conform to the ASME Code. July 316 19 67 Signed General Electric Co. (Manufacturer) tifficate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION
1, the understaned, holding a valid commission issued by the National front of Baller and Pressure Vesset Inspectors and or the State of CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure sesset described in this menufacturer's partial data report on
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASSE Builer and Pressure, Versel Code. By signing this certificate, newher the Inspector nor his employer makes any marranty, espressed or implied, concerning the part described in this manufacturer's partial data report. Furthermore, newher the Inspector nor his employer shall be liable in any manufacturer.
for any personal injury or property damage or a loss of any hind prising from or connected with this inspection. Dete



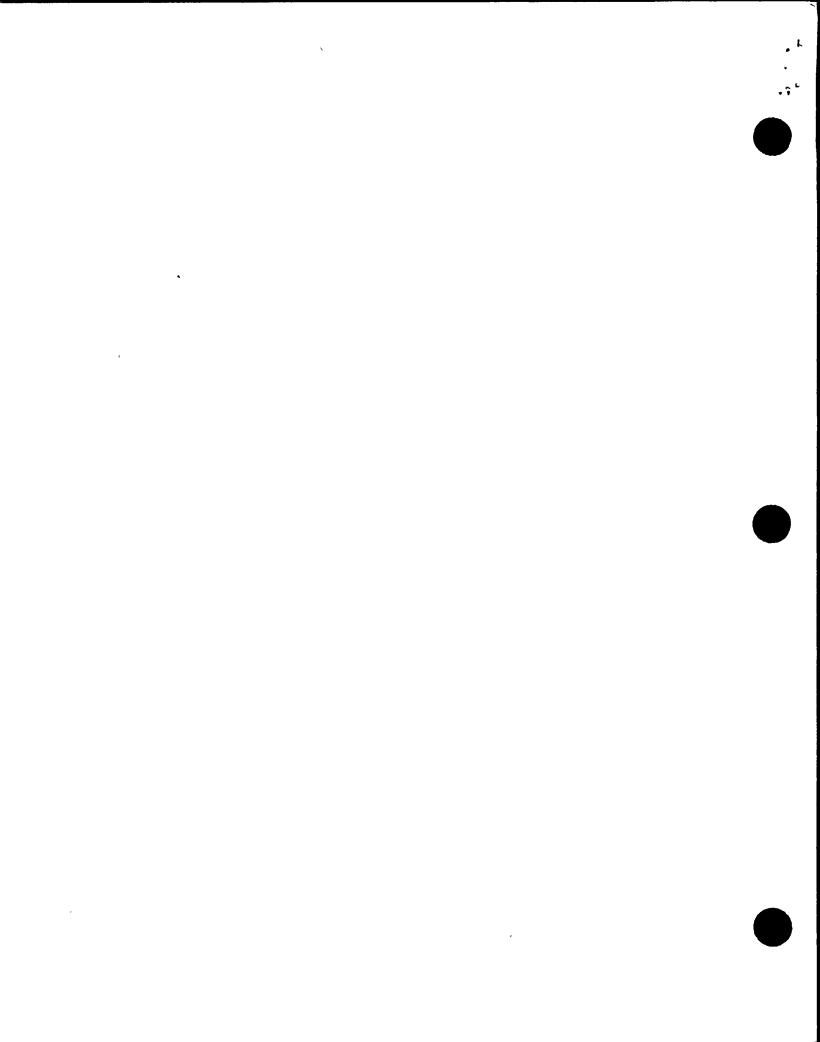
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. 'Ginh			~ 5		Cassianad	Ya al C	`~~aaa	
. Girth HEADS: (a) Materia	.1		x.ĸ.	(h) Mareri	Sectioned	.10. 01 (002.46.8	form,
for ation .	·· 	Crown	Knuckie	() mater.	Conkel	Hemispherical	Flat 1	ide to Pressur
Location . (Top, button, ends)					Apex angle	Rodius	Diameter (C	bavez of Conca
(b)							- 	
If removable, bolts	used		- A :	Other fa	stęning	7555-555-5	and the sale	
STAYROLTS: (W	laterial)	If hollow	Attachme:	(Threade	17ic	ch (Hair.)	X	Diam. (Nomina
JACKET CLOSUR	F:		50 00 0000 K	Tald bas ass.	meet alees	salesa, it balted	describe et ske	en)
. Constructed for ma	ıx.	(Desert	104 25 2644 #	werd, bur, vic.		Min. temp. (wh	ign	,
. Constructed for ma allowable working	Licari	1250	_ psi at mai	r• temb• —— 7	75°F.	less than -20	رس 	
ms:10 and 11 to be	completed for	tulic sections.	*					
	***			n		. Thickness	In Arrachm	ent
. TUBE SHEETS: S	tationary. Mat	CLINE KING P.	spec. 95.1	¦;	ubject to Prese	ee)	m. Attacam	(welded, Bolt
		rerial						
	maning. man	Kinj F	30Fe. HJ.				• •	•
· •					laches			_
TUBES Merecial		· O.D.	ia. Th	ickness	_ of Gage	Number	Tyr	×
I. TUBES: Material	Kind A Spec. N	.·O.D	la. Th	ickness	or Gage	Number	_'TM	(MALKA O
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

(a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
(Name and address of manufacturer of part) (h) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagration and agrees of measuracturer of botter or Vessell) Mohawk Unit 1 2. Identification-Manufacturer's Serial No. of Part 71: - 484, 539
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D. L. Poterson
(b) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code. August 8
CERTIFICATE OF SHOP INSPECTION
1, the understaned, holding a valid commission issued by the Notional Broad of Notional Pressure Vessel Inspectors and/or the state of CALIFORNIA and employed by Division of Inclustrial Safety of
Department of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data report on
Dy signing this certificate, neither the Inspector nor his employer makes any warranty, especiated or implied, concerning the part described in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property famage or a loss of any kind arising from or connected with thir inspection Date 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Girth Girth Girth Girth Girth Girth Goratton (a) Top. buttom. (b) Channel (c) Floating If removable, both Grant allowal le working Grant allowal le working Grant Constructed for allowal	Thickness ends (C) max. ompleted for al II OUTLETS: Number	T.S. No. Fig. 40 II.T. II.T. T.S. Crown Radius (Meterial, Sp.	pers of jacketed No. The Spec. Min. 2 F.E. h Spec. Min. 2 To or No. X.R. (b) Ma Knockto Redius Fel at max. Tree applicable. Sire	ressels, or chains ickness (S.) ressels, or chains (S.)	ctioned The Control of the Control o	IDOSCRIBOTO IDOSCRIBOTO Min. temp. (a) In. Diam. IDOSCRIBOTO Min. temp. (a) Itan This known	Fitin. Lency	It riveted of seribe see fully on verse side form. T.S. Bide to Prese. Convex or Conv



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

As Required by the Provisions of the ASME Code Section XI

I. Own		awk Power Corpor	ation	Date _	March 2	0, 1997	
	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	<u>13093</u> Sh	eet	of	_1
2. Plant	Nine Mile Na		<u> </u>	` Unit	<u></u>		· · · · · · · · · · · · · · · ·
<u>P.O.</u>	Box 63 Lycomir Addr	ng, New York 130 ess	093		lech. Ma ir Organi	int. Work Order No. zation P.O. No., Job N	96-04382-0 lo., etc.
1	Nine Mile Point F	Niagara Mohawk Name P.O. Box 63 Lycon Iress m <u>CRD CONTRO</u>	ming N.Y. 1	3093 Authori	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	pplicable Constru pplicable Edition	of Section XI Util	B31.1 ized for Rep		ts 19 <u>83</u> ,		le Case
ME OF IPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No
34-	General Electric	7662	N/A	NC02 CLASS 1	1979	REPLACEMENT	Yes
				•			
							
7. Descr	iption of Work I 1E Work Plan in	Replace Control Ro Work Order 96-0	d Drive with 1382-00 at c	n rebuilt spare as pa ore location 34-03.	rt of prev	ventive maintenance. R	eplaced CR
8. Tests	Conducted:						
F		neumatic	-		st Proced o F	dure: <u>N1-IST-LK-101</u>	_
NOTE: S	Supplemental sl	heets in form of l n in items 1 thro	ists, sketch uah 6 on tl	nes, or drawings r	nay be u	used, provided (1) size each sheet, and (3) e	ze is 8 ½ i

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

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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 7662 replaced by serial no. 71-462. VT-2 per NDE Report No. 1-2.01-97-0136.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/15/16 to 7/23/17, 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.
Jenn W Orleyn Commissions 143 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,19 47

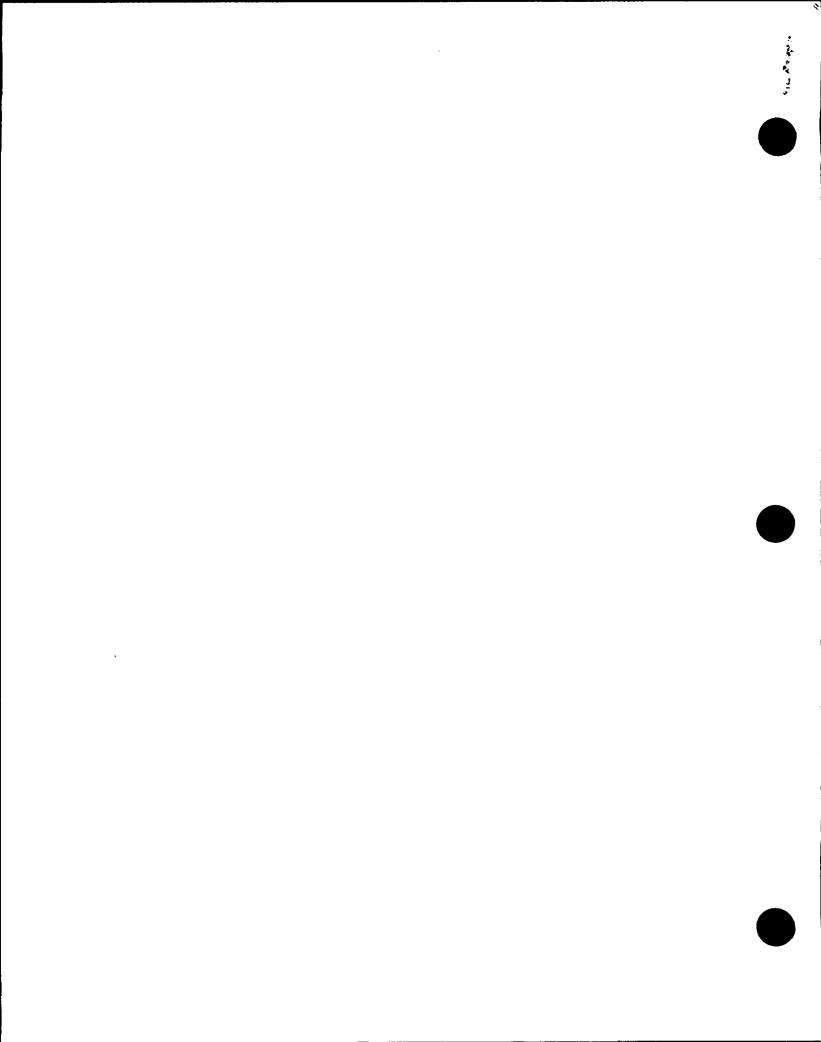
(12/82)

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

147
) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose; California
(b) Manufactured for Stock item - standard part for use with GE Boiling Mater Reactor at (Name and address of manufactures of believer vessel) Ningra Mohauk Unit
2. Identification-Manufacturer's Serial No. of Part Please see serial numbers below
(a) Constructed According to Blueprint No. 237E179 G1 . B.P. Prepared by GE, APED: D.L. Peterson .
. (h) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordan ce with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
•• •
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code.
Date July 25 19 67 Signed General Electric Co. By JUC, Lecke
tificate of Authorization Expires <u>December 31,</u> 19_67
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, helding a valid consecsion tenuethy the Nottenal Board of States and Pressure Veneral Inspectors and/or the
State of <u>CALIFORNIA</u> and completed by <u>Division of Industrial Safety</u> of <u>Department of Industrial Relations</u> have inspected the part of a pressure ressel described in this
manufacturer's partial data report on
and belief, the manufacturer has constructed this port in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part
described in this manufacturer's portial data 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 hind arising from or connected with thir inspection.
Date
Marie of the state
71: - 334(337/338)34)(348,549,368)(594)(599)(410,417,419,428,430)(434)(436,440)(442,449)(457,462) 463)464)468)471(472)473,474)475)476)480)488)494,492,500)5037511\514\519,521\632)
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(198)(526)(560), (592)(611)(625)(633)(661)723)
(1) (41) (59) (61) (21), (310) (53) (53) (710)

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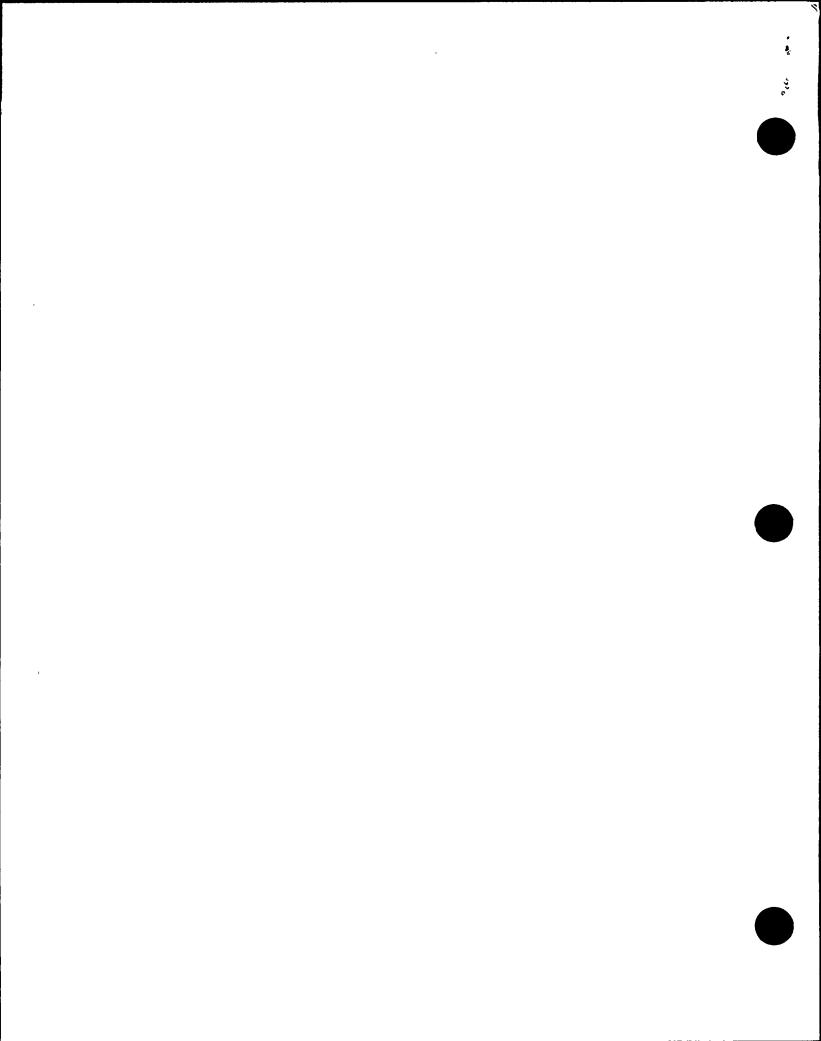
THIS FORM 10	ed for single wall	vessels (such as ai		acketed vessels. Of a	thells of heat ex	changers.
. SHELL: Material	T.C.		iominal Co	rosion	Ft. In In	neth Re I-
EAMS: Long	d Spee. No.) (Fig.	or F.D. & Spec. Min. T	Sections	d Efficiency		If siveted de-
Girch	JI.T.	X.R.	Sectione	ed No. of Co.	maea	form,
. IIEADS: (a) Material Location (Top, bottom, ends) Thicks		T.S	_ (b) Material		·	r.s
②b)		•		Medius .	Diameter (Con	778 OF CORCEYO
Il removable, bolts used	- Variable - Va	* * * * * * * * * * * * * * * * * * *	Other fastening_			
. STAYBOLTS:						
B. JACKET CLOSURE:						
. Constructed for max. allowable working press.	1250	psi at max. t	emp575	Min. temp. (where of least than -20°)		°F
ems 10 and 11 to be comple						
). TUBE SHEETS: Stationa	ry. Material _ TRu	nd & Spec. No.1	Diam (Subject to P	In. Thickness	In. Attachmen	it Welded, Boltedi
Pioatin	k. Marceial Ki	nd & Spec. N				
			DiamIncl	L		
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1. TUBES: Material Kind &	Spec. No.)	In. Thic	kness or (her lage Number	Гуре	Hraight or U)
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Constructed for max. Allowable working press SAFETY VALVE OUT!	Spec. No.) Spec. No.) pleted for inner ch T.S. (Fig. II.T. II.T. T.S. Cran Madi	In. Thick ambers of jacketed Non Thi or F.B. h Spec. Min. T (Yea or No.) X.R. (b) Mat non Rodius Spec. No., T R. Sire	Includes	No. of coscillo of Material Homesperial Redius No. of coscillo Material Redius All Material Redius No. of coscillo of Material Redius Local Local Material Redius Local Material R	Fr. In. Length Fr. In. Length	freight or U) th. Ft. Ir If riveted de- scribe seams fully on re- verse side of form. I.S. de to Pressure nves or Concav
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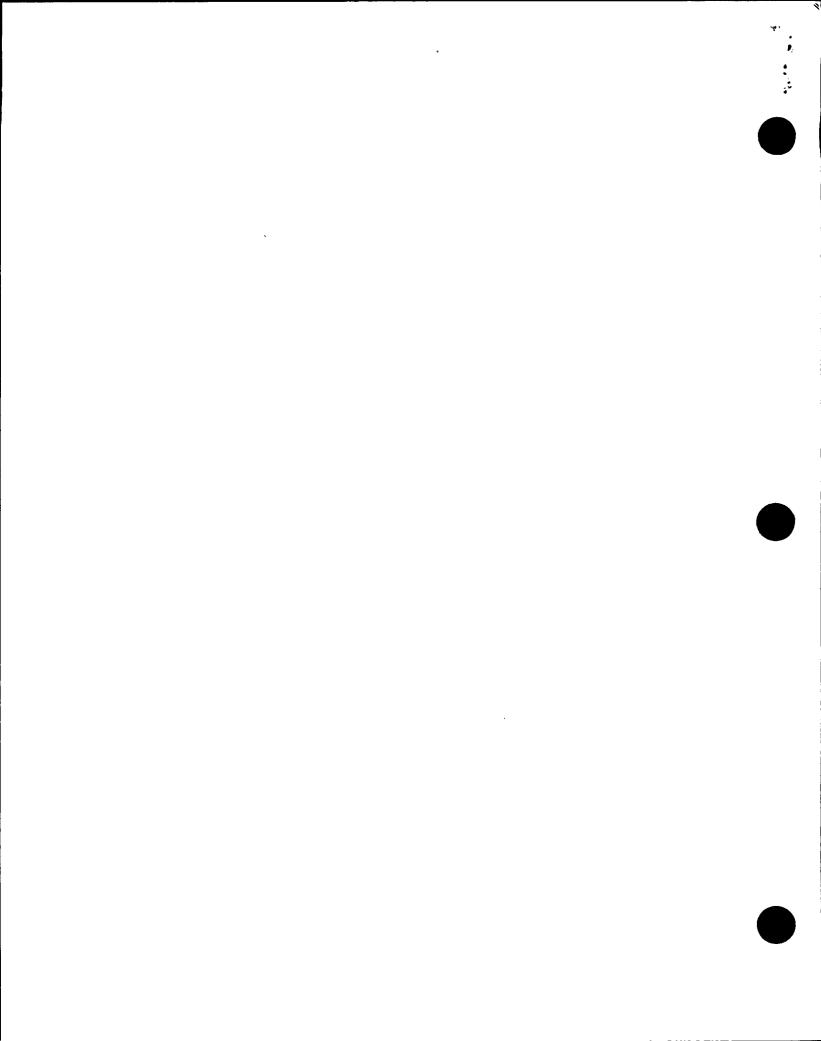
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

	^
Fl. (a) 4110u	factured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
	(Nome and address of manufacturer of part)
(b) Manu	factured for Stock item - standard part for use with GB Boiling Water Reactor at
	(Name and address of manufactures of hottles be reaset NIRTH MONEY UNIT
2. Identific	ation-Manufacturer's Serial No. of Part 71: -34369 579 579 498 753 538 541 549 551 561 655 67
	tructed According to Blueprint No. 237E179 G1 -612, 750, 525 B.P. Piepared by GE, APED: D.L. Peterson
(b) Desc	ription of Part Inspected Control Rod Drive
3. Remarks	Fabricated and inspected in accordance with Section VIII and applicable nuclear
code	cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July	14, 1966.
Sec s	ketch showing configuration and materials used. Hydro tested at 2110 psi
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Te cen	ily that the statements made in this manufacturer's partial data report are correct and that all details of naterials, construction, and
	p of this vessel conform to the ASME Code.
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J	fully 31¢ 19 67 Signed General Electric Co. nv
3	(Menulecturer) (Regresentative)
difficate	of Authorization Expires December 31 19 67
700	to Damotranion Dalutes
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·y;:	CERTIFICATE OF SHOP INSPECTION
38:	1, the understaned, holding a valid commission issued by the National Franch of Easter and Pressure Vessel Inspectors and for the State of CALIFORNIA and employed by Division of Inclustrial Safety
"	Department of Industrial Relations here inspected the part of a pressure sessed described in this
	menulacturer's partial data report on
1	and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASSE Boiler and Pressure
	Vessel Cade.
1.	By signing this certificate, newher the inspector nor his employer makes any marranty, especiated or implied, concerning the part
	described in this manufacturer's partial data report. Furthermore, nonther the baspectic nor his employer shall be liable in any manner
ł	for any personal injury or property damage or a loss of any hind stilling from or connected with this inspection.
Servi	let any hataonas infinity of Linharth damage or a seem of any annual transfer and a seem of a se
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THIS POR	apleted for sir	KIN MULL ACREE						Cachangers.
1. SHELL: Material'								
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6. HEADS: (a) Material,								_ T.S
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(a)								
(b)					•		-	•
If removable, bolts u	Waterial.	Seec. No. 1.3., 3	ice, Number)	_Other laste	mink	(Describe of A	ttoch Sketch)	
7. STAYDOLTS: (Was	(erial)	f hollow (Size of i	Attachment ((Threaded,	Pito	th (Horis.)	X (Ven.)	Diam. (Hominal)
8. LACKET CLOSURE	:						• .	
8. JACKET CLOSURE 2. Constructed for max		(Describe	* ** *** * **	id, ber, etc. l	bar, give dimer	Min. temp. (m)	, describe er sk	tch)
9. Constructed for max allowable working p	ress.1]	1250	psi at max. t	cmp57.	5°F.	less than -20	^{ja} ,"	o£
rems 10 and 11 to be co							·	
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Items 12-15 incl. to be	ind h spec. No.	O.D.	_ In. Thick	kness	Inches or Gage	Number	Ty	
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VILLL: Material (R	ind A spec. No.	T.S. (Fig. or F.B	In. Thicks of jacketed Nor Thi Assection T.	vessels, or ci	Inches or Gage hannels of he Corrosion Allowance ectioned	Number	Ty to in. l.c	ongth. Ft. 1
VIII.L.: Material (R	ind A spec. No. completed for ind and Spec. N	T.S. (Fig. or F.B. (II.T. (Yee)	In. Thick s of jacketed Nor Thi . & Spec. Min. T. or No. 2	vessels, or ci minal ickness .s)	Inches or Gage hannels of he Corrosion In. Allowance ectioned Tye	Number	Ty	ongth. Ft. If riveted de- secube seems fully on re- verse side of form.
HELL: Material (R 13. SEAMS: Long Welded, Dh Girth 14. HEADS: (a) Material	ind & spec. So. completed for find and spec. So. L. Single, Lap.	O.D. rinner chamber T.S. (Fig. or F.B Bud) (Yee)	In. Thick s of tacketed Nor Thi . Espec. Min. T. or No. X.R. (Sp. (Sp. (Sp.	vessels, or ci minal ickness .s)	Inches or Gage hannels of he Gorrosion In. Allowance ectioned Type ectioned Type T.S.	Number	TyTo	ingthFtolift riveted describe erams fully on reverse aide of form.
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SI AMS: Long Welfed, Dh	ind & spec. No. completed for find and Spec. N L. Single, Lap. Thickness	II.T. II.T. Covern Redive	In. Thick s of tacketed Nor Thi . Espec. Min. T. or No. X.R	vessels, or ciminal inchess	Inches or Gage hannels of he Corrosion Allowance ectioned Tye crimes T.S.	Number	Ty	ingthFtolift riveted describe erams fully on reverse aide of form.
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13. SEAMS: Long Welded, Dh. Welded, Dh. Welded, Dh. Welded, Dh. Lecation (a) Top, bottom, end the Channel (b) Channel (c) I-loating If removable, bolts 15. Constructed for ma allowable working Items below to be com 16. SAI-ETY VALVE 17. NOZZI FS: Popular (Inlet. Co. et. Inain)	ind h spec. No. completed for lind and spec. No. li	II.T. Crown Radius (Varenal, Spec.	In. Thick s of tacketed Nor Thi a Spec. Min. T. Fr No. X.R. (Spec. Min. T. (Spec. Min. T	vessels, or ciminal ickness	Inches or Gage hannels of he Corrosion Allowance ectioned Tye ectioned Area engle er fastening	Number	courses	If riveted de- peribe erams fully on re- verse side of form. Side to Pressure (Convex or Concar
13. SEAMS: Long (Related Dr. 13. SEAMS: Long (Welfed, Dr. 14. HEADS: (a) Material (Lecation) (a) Top, bottom, end (b) Channel (c) I-loating 11 removable, bolta 15. Constructed for mallowable working 1 ltems below to be com 16. SAI-ITY VALVE 17. NOZZI FS: Preprint fines. Count, Iwain)	Thickness ds completed for all OU: FLETS: N	II.T. T.S. (Yes. or F.B. III.T. T.S. Crown Redius (Qarenal, Spec.	In. Thick s of tacketed Nove Thi . & Spec. Him. T. or No. 2 X.R (Spec. Min. T. (Spec. M	vessels, or cimulation of cimulation of complete of the comple	Inches or Gage hannels of hannels of hannels of hannels of hannels of hannels of hannels or allowance critical Type critical April angle or fastening or fastenin	Number	courses courses crist of Diameter Plat Diameter Allach Melch (when 200) Reinforcement Meterial	If riveted de- peribe evens fully on re- verse side of form. Side to Pressure (Convex or Concar
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Items 12-15 incl. to be VIELL: Material (R 13. SEAMS: Long (Welled, Dh 14. HEADS: (a) Material Lecation (a) Top, bottom, end (b) Channel (c) I-loating If removable, bolts 15. Constructed for ma allowable working Items below to be com 16. SAFETY VALVE 17. NOZZIFS: Prepuse (Inlet, Cryst, Iran) 18. INSPICTION Ma	ind h spec. No. completed for ind and spec. No. ind and spec. No. indicated for all OUTILITY: No. incaded. No. ireaded. No. ireaded. No.	(1).1). r inner chamber T.S. (Fig. or F.B Butt) (Yes 11.T T.S. Crown Redius (Qarerial, Spec.	In. Thick s of jacketed Nor Thi . Espec. Min. T. or No. X.R. (Spec. Min. T. X.R. (Spec. Min. T. X.R. (Spec. Min. T. X.R. (Spec. Min. T. X.R. Applicable. Size Size Size	vessels, or claminal ickness	Inches or Gage hannels of he Gorcosion In. Allowance ectioned Type ectioned Area angle or fastening or ation Area angle or fastening or ation Area angle or fastening or ation Area angle or ation Area ation Area ation	Number	Ty	If riveted describe orange fully on reverse aide of form. T.N. Side to Pressure (Convex or Concest)



O O 4 22 4 O 2 5 6 FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

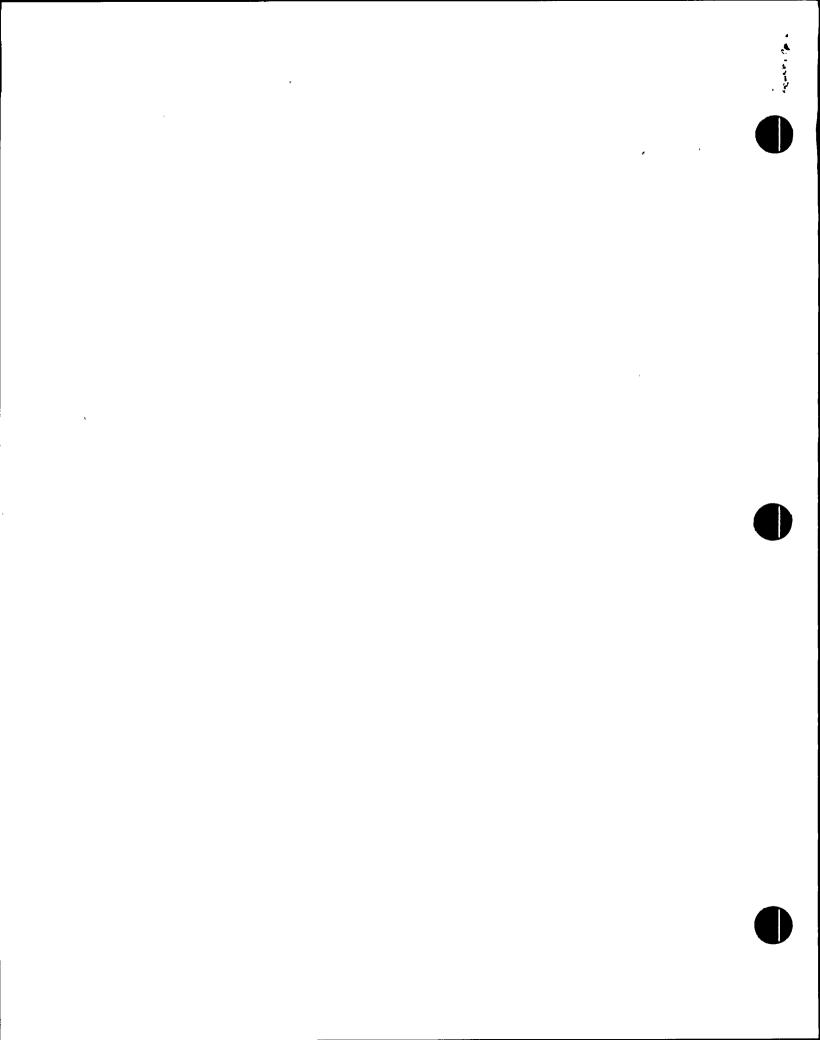
() 1. (a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California (San and address of manufactures of Social Control
(Name and address of manufacturer of port) (b) Manufactured for Stock item - standard part for use with GE Boiling Nater Reactor at Niagrand address of manufacturer of botter or Consult Mohawk Unit 1 2. Identification-Manufacturer's Serial No. of Part 71: - 484, 539
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D. L. Poterson
(b) Description of Part InspectedControl Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
We cettify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
workmanship of this vessel conferm to the ASME Code. Date August 8 19 67 Signed General Electric Co. 11, - 7; (Kepterentalive)
(Mandature) (Mandature) (Mandature) (Merregentative)
CERTIFICATE OF SHOP INSPECTION
1, the undersigned, holding a valid commission issued by the Notional Board of Helier and Pressure Vessel Inspectors and/or the State of CALIFORNIA and employed by Division of Inchistrial Sufety of
Department of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data report on
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASUF Holler and Prossure Vessel Code.
By signing this certificate, norther the inspector nor his employer makes any warranty, expressed or implied, concerning the part
described in this manufacturer's partial data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property famage or a loss of any hind arising from or connected with thir inspection
Date 19 E Commissions (%) (7) &
tusherine higherine



•

THIS FORM NOT APPLICAB IN O SEE HUEPRING PRINTED TO SKETCH

ems 4-9 incl. to be completed for single wall vessels (such as air tanks). Jackets of jacketed vessels, or shells of heat exchangers. Nominal Corrosion SHELL: Material T.S. Thickness (Kird and Nect. No.) (Fig. of F.B. & Spec. Min. T.S.) _In. Allowance __ In. Diam. __Ft. __ In. Length __Ft._ In. 1.ong II.T. X.R. Sectioned Efficiency (Vet or No)1 (Spot or Complete) scribe seams fully on reverse alde of ___.X.R._ Sectioned _____No. of Courses GellEADS: (a) Material_ __ T.5. __ _ (b) Material Conical Aper eagle Hemispheru al Redius Location (Top, bottom, ends) Thickness Knuckle Rednus Flat Side to Pressure Diameter (Courts of Concave Cruen Redius If removable, bolts used Waterial, Spec. No. 7.3., Size. Number) Other fastening___ (Describe or Altach Sheich) (Thrested, newed) Pitch (Horiz.) X (Vert.) Attachment 8. JACKET CLOSURE: __ (Describe as agre & weld, bar, etc. Il bar, give dimensions, if bolted, describe or sketch) 1250 pei at max. temp. Min. temp. (when 9. Constructed for max. 575 °F. less than -20 allowable working press.2 .. liems 10 and 11 to be completed for tube sections. 10. TUBE SHEETS: Stationary, Material - Rind & Spec. No.1 Diam. In. Thickness In. Attachment (Welded, Holled) Floating. Material Kini & Spec. So.) _ Diam. ____ In. Thickness _ _ In. Attachment . Inches or liage. Number _____ Type (New Light or UT) 11. TUBES: Material Chind Seres Se 1 _ In. Thickness_ ms 12-15 incl. to be completed for inner chambers of tacketed vessels, or channels of heat exchangers. Nominal ('ottosim 12. SHELL: Material (Kind and Spec. No. 17.5. Thickness ... 17.6. of F.B. & Spec. Min. 7.5.) In. Allowance_ In. Diam._ Ft._ In. Longth._ Ft._ If siveted de SEANS: Long Sectioned H.T. (Year or No.) X.R. Sectioned (Year No.) Pfliciency (Servine Complete) #411b4 #### fully on re ___ Sectioned____ No. of courses_ __ II.T_____ X.R. ___ 14. HEADS: (a) Material ______ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ Knuckle Rediss Z'ilprical Zalie Critical Ileniopherical Plat Bide to Presour
Apes angle Redius Diameter (Course or Cores Location (a) Top, buttom, ends _ (b) Channel (c) Floating If removable, bolta used (a) (Material, Spec. No., Y.S., Sice, Number) (b) _____Other fastening _ ग्राहरताहर के जाहर है है। Min. temp. (when or. less than -20) allowal le nothing press ? ____ pai at max. temp. ____ items lichow to be completed for all sesse ls where applicable. _ Limation . 16, SAFETY VALVE OUTLETS: Number ____ Size _ 17. NOZZI ES: Piennee (Inlet, Oullet, Dieln) Diam, or Size Type Meterial Thu kness Allache Number 18. INSPIRETION Manholes. No. ___ ____ __ Sire ____ _ OPENINGS: Handholes, No. ____ Size____ Size____ Location ____ Threaded, No. Nor Location ... is second the desirement. It is a second of the second of



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

	Nine Mile Point	P.O. Box 63 Lyco Address	oming N.Y.	13093 Sh	eet	<u>1</u> of	1
2. Plant	. <u>Nine Mile l</u> Na	Point me		Unit	<u> </u>		
3. Work 4. Ident 5. (a) A (b) A	Adda C Performed By _ Nine Mile Point I Add ification of Syste pplicable Construction pplicable Edition	Niagara Mohawk Name P.O. Box 63 Lycor liress m CRD CONTRO action Code ASA of Section XI Util	Power Corning N.Y. 1 DL ROD DR B31.1 ized for Rep	Repai p. Type Co 3093 Authori Ex	ode Symlode Symlode Symlode Symlode Symlode Nation	int. Work Order No. zation P.O. No., Job I bol Stamp N/A o. N/A Date N/A Addenda, N/A Co. Sum. '83 ADD.	lo., etc.
name of Emponent	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No
5D 34-	General Electric	A8062	N/A	NC02 CLASS 1	1986	REPLACEMENT	Yes
					,		
						•	
per ASN	ription of Work I	Replace Control Ro Work Order 96-0	od Drive with 2662-19 at c	n rebuilt spare as parore location 34-11.	rt of prev	ventive maintenance. F	Replaced C
		neumatic 🗆 Nomi	inal Operatin	ig Pressure □ Te	st Proce	dure: <u>N1-IST-LK-101</u>	_
	Other Pres	ssure <u>1044.6 PSIG</u>	-				_



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. A8062 replaced by serial no. 71-732. VT-2 per NDE Report No. 1-2.01-97-0136.

We certify that the statements made in the report rules of the ASME Code, Section XI.	OF COMPLIANCE are correct and this <u>replacement</u> conforms to the repair or replacement
Type Code Symbol Stamp None	
Certificate of Authorization No None	
Signed Owner or Owner Designee, Title	Manuer Date 7-21, 19 57
	·
CERTIFICATE OF IN	SERVICE INSPECTION
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of <u>NEW YORK</u> MASSACHUSETTS have inspected the components d 1111116 to 7123197, and state that to the best of examinations and taken corrective measures described in of the ASME Code, Section XI.	and employed by ARKWRIGHT of escribed in this Owner's Report during the period f my knowledge and belief, the Owner has performed
By signing this certificate neither the Inspector nor his concerning the examinations and corrective measures desc Inspector nor his employer shall be liable in any manner any kind arising from or connected with this inspection.	cribed in this Owner's Report. Furthermore, neither the
Tym Dades Commissions A Inspector's Signature N	1B 8496 NY2812
	ational Board, State, Province, and Endorsements
Date 7/23,1997	

(12/82)

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Mother Manufacturer

(Name and address of magnifectures of part)	
	-
(b) Manufactured for Stock item - standard part for use with GE Boiling Mater Reactor at (Name and address of manufacturer of boiler or vessel) Ningra Mohnuk Unit	<u>-</u>
2. Identification-Manufacturer's Serial No. of Part Please see serial numbers below	_
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson	,
. (h) Description of Part Inspected Control Rod Drive '	
i. Remarks Fabricated and inspected in accordan co with Section VIII and applicable nuclear	
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated	-
July 14, 1966.	÷Ž
See sketch showing configuration and materials used. Hydro tested at 2110 psi	
•	
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASHE Code.	
Date July 25 19 67 signed General Electric Co. 114 JUC. Jacket (Manufacture)	, ,,,
(Manufacturer) (Representative)	
rifficate of Authorization Expires	
	_
CERTIFICATE OF SHOP INSPECTION	
1, the undersigned, holding a valid commission issued by the Notional Board of States and Pressure Vessel Inspectors and/or the State of CALIFORNIA and employed by Division of Industrial Safety of	
. Department of Industrial Relations have inspected the part of a pressure vessel described in this	l
manufacturer's partial data report on	I
Versel Code.	۱
By signing this certificate, neither the inspector nor his employer makes any marranty, expressed or implied, concerning the part described in this manufacturer's partial data 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 hind arising from or connected with thir inspection.	
Date	١
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Girch		ит	Y 9	•	Sansianal	So of C		verse side of
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添)							·	·
(b)					ening			****
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Timic. Vicaria					laches		* *	
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-me 12-15 rect. to	he completed to	e innee chaml	see of inches	d vessels, or c	hannels of he	at exchangets.		
-me 12-15 rect. to	he completed to	e innee chaml	see of inches	d ressels, or o	hannels of he	at exchangets.		
-me 12-15 rect. to	he completed to	e innee chaml	see of inches	d ressels, or o	hannels of he	at exchangets.		
ems 12-15 incl. to	lie completed for Kind and Special	T.S.	bers of jackete 3 7.D. h spec. Vin.	d vessels, or cliominal hickness	Corressor Lannels of he Corressor Land Allowance	rat exchangets. eln. Diam	_Fsla. Ler	gthFt [
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SHELL: Materia SEAMS: Long Welded	Kind and spec. Dbi., Single, Lap.	T.S. Sn. (Fig. 00) Duil) T. Ty	V.D. h spee, Vin.	d vessels, or clominal hickness T.S.1	Cottoned (Ye	eln. Diam eln. Diam e Ko)	_Fsin. Ler	IgthFtI If eiveted de- scribe seant fully on re rerse side a- form.
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GEAMS: Long welded. Girth Location (a) Top, buttom, (b) (hannel	(Kind and Spec. Dbl., Single, Lap. crial Thickness	T.S. TIS. TIS. TIS. TIS. TIS. TIS. TIS.	Constitution of the property o	d vessels, or clominal hickness T.S.1 Pot or Complete Staterial Refts	cetioned Control In. Allowance ectioned T.S. Control April angle	No. of c	_FtIn. Ler ncy ownes tral Diameter (IgthFtI If eiveted de- scribe seant fully on re rerse side a- form.
GEAMS: Long welded, Girth Location (a) Top, buttom, (b) Channel (c) Floating	(Kind and Spec. (Kind and Spec. (Dbl., Single, Lap. erial Thickness ends	T.S. (Fig. or) (Digit) 11.T. T.S. Status	Constant of jackete Y.D. h Spec. Min. To W.R. To W.R. (b) M Knuckle Redue	d vessels, or cominal hickness T.S.1 Pot or Complete Ettipical Rota	cetioned	No. of c	_FtIn. Ler ncy ownes tral Diameter (IgthFtI If eiveted de- scribe seant fully on re rerse side a- form.
GEAMS: Long welded. Girth Location (a) Top, buttom, (b) (hannel	(Kind and Spec. (Kind and Spec. (Dbl., Single, Lap. erial Thickness ends	T.S. (Fig. or) (Digit) 11.T. T.S. Status	Constitution of the property o	d vessels, or cominal hickness T.S.1 For or Complete Saterial Ratio (b);	cetioned Control In. Allowance ectioned T.N. Control Appn angle	No. of c	_FtIn. Ler ncy nwacs ttal Plat Diameter (IgthFtI If eiveted de- scribe seant fully on re rerse side a- form.
GEAMS: Long welded, Girth Location (a) Top, buttom, (b) Channel (c) Floating	(Kind and Spec. (Kind and Spec. (Dbl., Single, Lap. erial Thickness ends	T.S. (Fig. or) (Digit) 11.T. T.S. Status	Constant of jackete Y.D. h Spec. Min. To W.R. To W.R. (b) M Knuckle Redue	d vessels, or cominal hickness T.S.1 For or Complete Saterial Ratio (b);	cetioned	So, of c (c) Mate Homispherica Redius	_FtIn. Ler ncy nwacs ttal Plat Diameter (Igtho_FtoI If elveted de- occibe seant fully on re verse side of form.
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GEAMS: Long welded. GEAMS: Long welded. Gitth Location (a) Top, buttom, (b) (hannel (c) Floating If removable, be S. Constructed for wallownbile works.	(Kind and Spec. (Kind	T.S. (Fig. or) (Ust) (Material, Spe	C. No., Y A , Sir	d vessels, or commal hickness T.S.; Pet or Complete Exterial	cctioned Control Control April angle	No. of c Hemispherica Redius (Hescribe et	Ff. In. Ler ncy	IgthFtI If riveted de- scribe seam fully on re verse side of form. T.S Side to Pressure Conven or Concent
GEAMS: Long Welded Location (a) Top, buttom, (b) (hannel (c) Floating If removable, be	(Kind and Spec. (Cincle and Spec. (Cing press and Spec. (Cincle and Spec. (C	T.S. (Fig. or) (II.T. (V) II.T. T.S. Crawn Radius (Marerial, Spe	C. No. Y A . Sie poi at max re applicable.	d vessels, or clominal hickness T.S.; Pot or Complete Statetial	cctioned Control Control April angle	So, of e (c) Mate Hontopherico Redius	Ff. In. Ler ncy	IgthFtI If riveted de- scribe seam fully on re verse side of form. T.S Side to Pressure Conven or Concent
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GEAMS: Long Melded, Welded, We	(Kind and Spec. (Kind and Spec. (Dbl., Single, Lap. crial Thickness ends (c) max. ing press 1 completed for all (E OUTLETS:	T.S. T.S. T.S. TI.T. T.S. T.S. Cramn Radius (Material, Spe	C. No. Y A . Sie poi at max re applicable.	d vessels, or cominal hickness T.S.1 Pet or Complete Stateful Review (b) Northern (b) Othern Stateful Metal Stateful (b)	cetioned T.S. Control Apre engle	(Coscribe or Min. temp. (c.) Lou	Ff. In Ler ncy number fint Ninch Shetchi nhon Reinferement	If eiveted de scribe seam fully on reverse aide of ferm. T.S. Side to Pressure Cenven or Cenven or Cencer
GEANS: Long Melded Meld	(Kind and Spec. (Kind and Spec. (Dbl., Single, Lap. crial Thickness ends (c) max. ing press 1 completed for all (E OUTLETS:	T.S. T.S. T.S. TI.T. T.S. T.S. Cramn Radius (Material, Spe	C. No. Y A . Sir	d vessels, or cominal hickness T.S.1 Pet or Complete Stateful Review (b) Northern (b) Othern Stateful Metal Stateful (b)	cetioned T.S. Control Apre engle	(Coscribe or Min. temp. (c.) Lou	Ff. In Ler ncy number fint Ninch Shetchi nhon Reinferement	If eiveted de scribe seam fully on reverse aide of ferm. T.S. Side to Pressure Cenven or Cenven or Cencer
GEAMS: Long welded. GEAMS: Long welded. Girth_ Girth_ Location (a) Top. buttom. (b) Channel (c) Floating If removable, be constructed for allowable work. S. Constructed for allowable work. Top. buttom. (b) Channel (c) Floating If removable, be constructed for allowable work. S. Constructed for allowable. S. Constructed for allowable. S. Constructed for allowable. S. Constructed for allowable.	(Kind and Spec. (Kind and Spec. (Dbl., Single, Lap. crial Thickness ends (c) max. ing press 1 completed for all (E OUTLETS:	T.S. T.S. T.S. TI.T. T.S. Cramn Radius (Material, Free	C. No. Y S . Sie	d vessels, or cominal hickness T.S.1 Pet or Complete Stateful Ratio Ellipsical Ratio Oct (b), (cmp. Size	cetioned T.S. Control Apre engle	(Coscribe or Min. temp. (c.) Lou	Ff. In. Ler ncy	If riveted de scribe seams fully on reverse aide afferm. T.S. Side to Pressure Conven or Conven.
GEANS: Long Melded, Me	(Kind and Spec. (Kind and Spec. (Dbl., Single, Lap. crial Thickness ends (c) max. ing press 1 completed for all (E OUTLETS:	T.S. T.S. (Fig. or) 11.T. 11.T. T.S. Crawn Radius (Morerial, Special when the Number	C. No. T A . Sie	d vessels, or commal highness T.S.1 Port or Complete External	cetioned	Control of	FfIn. Ler ncy	If riveted de scribe seams fully on reverse aide afferm. T.S. Side to Pressure Conven or Conven.
SHELL: Materia SHELL: Materia SEAMS: Long Welded Welded Girth Location (a) Top, buttom, (b) Channel (c) Floating If removable, be seems below to be come helow to be come (lefet, Drain) The SAFETY VALV T. NOZZI ESI Purpose (lefet, Orales, Drain)	(Kind and Spec. (Kind and Spec. (Kind and Spec. (Kind and Spec. (Dis., Single, Lap. (rial Thickness ends (c) (c) (d) (c) (d) (d) (d) (d)	T.S. T.S. (Fig. or intercent) 11.T. T.S. Crawn Radius (Material, Special when Number	Poi at max poi at max re applicable. Siec Siec Siec Siec Siec	d vessels, or cominal hickness T.S.1 Pet or Complete Stateful Refus (b) Other Complete Stateful State	cetioned	Control of	FfIn. Ler ncy	If elveted de scribe seam fully on reverse side of ferm. T.S. Side to Pressure Centre of Centr
SHELL: Materia SHELL: Materia SEAMS: Long Welded Welded Girth Location (a) Top, buttom, (b) Channel (c) Floating If removable, be seems below to be come helow to be come (lefet, Drain) The SAFETY VALV T. NOZZI ESI Purpose (lefet, Orales, Drain)	(Kind and Spec. (Kind and Spec. (Kind and Spec. (Kind and Spec. (Dit., Single, Lap. (cingle and (a) (dita used (a) (dita us	T.S. T.S. (Fig. or intercent) 11.T. T.S. Crawn Radius (Material, Special when Number	Poi at max poi at max re applicable. Siec Siec Siec Siec Siec	d vessels, or cominal hickness T.S.1 For or Complete Staterial Revise Other Staterial Other S	cetioned	Control of	FfIn. Ler ncy	If elveted de scribe seam fully on reverse side of ferm. T.S

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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fubricated by One Manufacturer for Another Manufacturer

1. (a) Vanufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(b) Manufactured for Stock Item - Stationard part for use with the notice of mater washing the season NIRGIA MONTHLY IN
2. Identification-Manufacturer's Serial No. of Patt 71: -34367 479 379 190 753 538 641 339 551 561 6550
(a) Constitucted According to Blueprint No. 237E179 G1 8.P. Prepared by GE, APED: U.L. Peterson
(b) Description of Part Inspected. Control Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
,
We certify that the statements made in this manufacturer's partial data report are correct and that all details of naterials, construction, and
workmanship of this vessel conform to the ASME Code.
Date July 316 19 67 Signed General Electric Co. nv (Kestestentalité)
Conficate of Authorization Expires December 31 19 67
tificate of Authorization Expires
CERTIFICATE OF SHOP INSPECTION
t, the understaned, holding a valid commensure issued by the National Found of Hollie and Pressure Vessel Inspectors and for the State of CALIFORNIA and employed by Division of Inclustrial Safety
menulacturer's partial data report on
Vessel Code.
By signing this certificate, neather the Inspector nor his employer makes any marranty, especiased in implied, concerning the pa
described in this manufacturer's partial data report. Furthermore, neither the Inspection nor his employer shall be liable in any management.
for any personal injury or property damage or a loss of any kind erising from or connected with this inspection.
Date 4-17 10 67 Cornelesions (Tel 756
Inspectate Simeline Coroniesione Latt Board or Rate and NA.

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THIS PORM NOT APPI							
ms 4-9 incl. to be completed for sin	gir wall vess	els (such As	air tanks), ja	ckers of jacke	ted vessels, or s	thells of heat	exchangers.
. SHELL: Material (Kins and Spec. No.	_T.S		Nominal Thickness_	Corrosi la. Allowa	oa accIn. Diam.	Ft la. L	ength_Ft
, (Kind and Spec, Ru	.) (Fig. or F.I	3. 4 3 04c. Min.	T.3.)		•		If rivered de
SEAMS: Long	II.T. (Yes	X.R.	Spot or Comple	Sectioned (Y	Elliciency	′ [*] .•	fully on re
Ginh							
6. HEADS: (a) Material	T.S.		(b) Mater	al			T.S
Location . (Top, button, ends) Thickness	Crown Redius	Knuckle Kadina	Elliptical Recie	Conical Apex ongle	Hemispherical Radius	Flat Diameter (C	ide to Presurence
(a)						•	
(b)		 -				••	***************************************
If removable, bolts used	scec. No. T.3	ålse, Number)	Other fa	stening	(Describe of Alle	ich Sketch)	
7. STAYROLTS: (Vaterial)							Diam.
·							
8. JACKET CLOSURE:	(Descri	be as eger b	weld, bar, etc.	रा करते, दालन बाक्स	natione, it belied,	describe er ake	ich)
9. Constructed for max. allowable working press.	250	psi at mas	r• tcwb•	75°F.	less than -20°	n)	
iems 10 and 11 to be completed for to						<u></u>	
			·				`
O. TUBE SHEETS: Stationary, Mater	ial Kind &":	spēc. 95.1	(<u>;</u>	iam. Subject to Piess	n. Thickness we)	In. Attachm	ent (Wolded, Ualt
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' I-luating. Mater	Kins &	अन्तः सम्म					•
, a	0.13	in Th	• .•	inenes	Vanhaa	Tyr	re '
II. TUBES: MACCHAI	· ' · · · · · · · · · · · · · · · · · ·	*** ***	ICKUESS	OF LIAKE	. 'Amultel		1/4
11. TUBES: Material (Kind A spec. No.)	inner chambe	rs of lackets	d vessels, o	channels of	reat exchangers.		(Mraight or U
tems 12-15 incl. to be completed for	inner chambe	rs of jackets	rd ressels, o	r channels of i	ical car hangels.		
Items 12-15 incl. to be completed for (Kind and Spec. N.)	inner chambe	rs of jackets	rd ressels, o	r channels of i	ical car hangels.		
tems 12-15 incl. to be completed for (Kind and Spec. N	T.S. (Fig. of F.	us of Jacketo	rd vessels, o Nominal Thickness .T.S)	Corrosional Corros	neat exchangers. on ce,In, Diam	_FtIn. Le	ngthFt.
13. SEAMS: Long (Kind and Spee, No. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	T.S. (Fig. or F.	U. & Spec. Min	rd vessels, o Yominal Thickness .T.8)	Corrosic La. Allowan Sectioned	eat exchangers. celn.Diam flicien	_ftIn. Le	If riveted a scribe sea fully on verse side
13. SI: AVS: Long (Wint and Spec. S) (Wint and Spec. S) (Welfed, Dhl., Single, Lep. 1) (Girth	U.T. (Yee	U. Espec. Hin	rd vessels, o Sommal Thickness .T.\$)	Corrosi In. Allowan Sectioned TY Sectioned	eat exchangers. In Diam. Filicien No. of co	_ftIn. Le	igth. Ft
HELL: Material (Kind and Spee. No. 13. SEAMS: Long (Welded, Dhl.: Single, Lep. 14. HEADS: (A) Material	T.S. (Fig. or F. U.T. (Fig. or F. U.T. T.S.	U. & Spec. Him or No. 1 X.R. (b) V.	rd vessels, o Nominal Thickness T.\$)	Cottonic In. Allowan Sectioned Ty Sectioned Ty	Heat out hangers. In Diam. Filicien No. of co	_ftin. l.e.	If riveted a scribe area fully on a verse aide from.
HELL: Material (Kind and Spee. No. 12-15) incl. to be completed for the complete of form (Kind and Spee. No. 13. Sir AMS: Long (Welsed, Dhl., Single, Lep. 13. Girth	T.S. (Fig. or F. U.T. (Fig. or F. U.T. T.S.	U. & Spec. Him or No. 1 X.R. (b) V.	rd vessels, o Nominal Thickness T.\$)	Cottonic In. Allowan Sectioned Ty Sectioned Ty	eat exchangers. In Diam. Filicien No. of co	_ftin. l.e.	If riveted a scribe are fully on verse aide
13. SEAMS: Long Welded, Dhl., Single, Lap, 1 Girth Lecation Thickness	II.T. (Yes	U. Espec. Hin or No. X.R. N.R. (b) V. Krischle Redied	rd vessels, o Nominal Thickness T.S) Spot or Comple Staterial Riliptica Ratio	Sectioned TY Sectioned TY Sectioned TY Sectioned Ty Sectioned Ty	Heat out hangers. In Diam. Filicien No. of co	_ftin. l.e.	If riveted a scribe area fully on a verse aide from.
HELL: Material (Kind and Spee. No. 13. SEAMS: Long (Welded, Dhl.: Single, Lep. 14. HEADS: (a) Material	II.T. (Yes	U. Espec. Hin or No. X.R. N.R. (b) V. Krischle Redied	rd vessels, o Nominal Thickness Tis Spot or Comple Interial Riliptica Ratio	Sectioned TY Sectioned TY Sectioned TY Sectioned TY	Heat out hangers. In Diam. Filicien No. of co	_ftin. l.e.	If riveted a scribe are fully on verse aide
HELL: Material (Kinit and Spec. N. (S. SEAMS: Long (Welfed, Dall., Single, Lap.) Girth The Material (Location Thickness (a) Top, bottom, ends (b) Channel (c) I-loating	II.T. (Yes	U. & Spec. Him Or No. 1 (b) V Ko or hie Redies	rd vessels, o Nominal Thickness This Spor or Comple Laterial Riliptice Ratio	Sectioned Ty Sectioned Ty Sectioned Ty Sectioned Ty Sectioned Ty Sectioned Ty	eat cus hangers. In Diam. Filicien Out of co (c) Water Homispherical Radius	_ FtIn. L.c. EY Dictors Flat Disserter (If riveted of scribe age fully on verse aide form. I on
HELL: Material (Kinit and Spec. N. (S. SEAMS: Long (Welfed, Dall., Single, Lap.) Girth The Material (Location Thickness (a) Top, bottom, ends (b) Channel (c) I-loating	II.T. (Yes	U. & Spec. Him Or No. 1 (b) V Ko or hie Redies	rd vessels, o Nominal Thickness This Spor or Comple Laterial Riliptice Ratio	Sectioned Ty Sectioned Ty Sectioned Ty Sectioned Ty Sectioned Ty Sectioned Ty	Homispherical	_ FtIn. L.c. EY Dictors Flat Disserter (If riveted a scribe are fully on verse aide from. I on. I de to Press. Convex or Conc.
HELLI: Material (Kinit and Spee, No. 13. SEAMS: Long (Welsed, Dhl., Single, Lep.) Girth (Girth Thickness) Lecation Thickness (a) Top, bottom, ends (b) Channel (c) I-loating [I removable, bolts used (a)	II.T. (Yes II.T. T.S. Commander Redina	U. & Spec. Him Or No. 1 (b) V Ko or hie Redies	Spot or Comple Staterial E'liptica Ratio	Sectioned TS. Control All Control T.S. Control April 200	Hemispherical	_ FtIn. l.cr	If riveted a scribe are fully on a verse aide form. I on
HELL: Material (Kinit and Spee. No. 13. SEAMS: Long (Welded, Dall., Single, Lep.) Girth HEADS: (a) Material Thickness (a) Top, buttom, ends (b) Channel (c) Floating If removable, bolts used (a) (c)	II.T. (Yee Reduce)	W. & Spec. Him W. R. (b) V Knowhie Redius	Spot or Comple Staterial Etilptica Ratio	Sectioned Ty Control Sectioned Ty Sectioned Ty Control Arra one	Homisphorical	L Plat Disselve (If riveted a scribe are fully on verse aide form. I on Side to Press. Side to Press. Convex or Cond
HELL: Material (Kinit and Spee. No. 13. SEAMS: Long (Welded, Dall., Single, Lep.) Girth HEADS: (a) Material Thickness (a) Top, buttom, ends (b) Channel (c) Floating If removable, bolts used (a) (c)	II.T. (Yee Reduce)	W. & Spec. Him W. R. (b) V Knowhie Redius	Spot or Comple Staterial Etilptica Ratio	Sectioned Ty Control Sectioned Ty Sectioned Ty Control Arra one	Hemispherical	L Plat Disselve (If riveted a scribe are fully on verse aide form. I on Side to Press. Side to Press. Convex or Cond
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HELL: Material (Kinit and Spec. N. (Kinit and	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Redius	U. & Spec. Him Or No. 1 Kr. or No. 1 Kr. or hie Redius psi at man	Spot or Comple Spot or Comple Staterial Riliptica Ratio	Sectioned Ty Control In Allowan Sectioned Ty Sectioned Ty Control April One	(Dosertho or Min. temp. (v	Letln. l.c. Rey pourers gial I Disserter (Allach Metch) when 200)	If riveted a scribe are fully on verse aide form. I on Side to Press. Convex or Cons
HELL: Material (Kinit and Spec. No. 13. SEAMS: Long (Welsed, Dhl.: Single, Lep. 14. HEADS: (a) Material (Lecation Thickness (b) Channel (c) I-loating If removable, bolts used (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Redius	U. & Spec. Him Or No. 1 Kr. or hie Redies pai at man e applicable.	Spot or Comple Spot or Comple Staterial Riliptica Ratio	Sectioned Ty Control Sectioned Ty Sectioned Ty Control Aprel one	(Dosertho or Min. temp. (v	L Plat Disselve (If riveted a scribe are fully on verse aide form. I on Side to Press. Side to Press. Convex or Cond
HELL: Material (Kinit and Spec. No. 13. SEAMS: Long (Kinit and Spec. No. 14. HEADS: Long (Girth Lecation Thickness) Lecation Thickness (a) Top, bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (c) 15. Constructed for max. Allumable working press (a) (c) Items below to be completed for all (c) SAFETY VALVE OF FLETS: No. 17. No. 2/1 FS:	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Redius (Question where sumber	U. & Spec. Him Or No. 1 X.R. (b) V Ko rable Reduce	Spot or Comple Spot or Comple Staterial Rilptice Ratio	Sectioned Ty Control In Allowan Sectioned Ty Sectioned	Coccept Cocc	Letin. i.c. Kry Diameter (Allach Metch) high Action Reinfercement	If riveted a scribe are fully on verse side form. I on Side to Press. Convex or Conve
HELL: Material (Kinit and Spec. N (3. SEAMS: Long (Welled, Dall. Single, Lap.) (Girth 14. HEADS: (a) Material (a) Top. bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (c) 15. Constructed for max. allumable working press (ii) SAFETY VALVE OF FLETS: N 17. NOVELES: (c) Prepase fillet, (c) Prepase fill	Inner chamber T.S. (Fig. or F. II.T. T.S. Cown Radius (Universal, Special where	U. & Spec. Him Or No. 1 X.R. (b) V Ko rable Reduce . No. 7 5 . 50	Spot or Comple Spot or Comple Staterial Riliptica Ratio	Sectioned Ty Sectioned Ty Sectioned Ty Sectioned Arrange T.S. Control Arrange Scher fastening	(Dosertho or Min. temp. (v	Letln. l.c. Rey pourses rial I Disserter (Allach Sheich) shys ation	If riveted a scribe are fully on twee aide form. I ob. Side to Press. Convex or Conc.
Items 12-15 incl. to be completed for Items 12-15 incl. to be completed for Items levels. Material (Kinit and Spee. N (Kinit an	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Redius (Queenal, Spec	W. & Spec. Him W. & Spec. Him X. R. X. R. (b) \ Ko or No. 1 S. Sto Pal at man e applicable.	Spot or Comple Spot or Comple Staterial Eliptica Ratio	Sectioned Ty Control In Allowan Sectioned Ty Sectioned Ty Control Area and bi Cher fastening	Cochenges Coch	Allach Meterial Reinforcement Meterial	If riveted a scribe are fully on twee aide form. I ob. Side to Press. Convex or Conc.
HELL: Material (Kinit and Spee. N. 13. SEAMS: Long (Welfed, Dnl., Single, Lep.) Girth Girth Thickness (a) Top, buttom, ends (b) Channel (c) Floating If removable, bolts used (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Radius TOlorerial, Special where jumber ham, or \$4	ys of jackets U. & Spec. Him X.R. Y.R. (b) V Krischle Rediue Pai at mai	Spor or Comple Spor or Comple Staterial Etitotica Ratio	Sectioned Ty Sectioned Ty Sectioned Ty Sectioned April 2 and Ap	Describe or Min. temp. (c) Water Redius (Describe or Min. temp. (c) Thickness	The The Lea	If riveted a scribe are fully on torse side form. I on
HELL: Material (Kinit and Spee. N. 13. SEAMS: Long (Welled, Dnl., Single, Lap.) Girth Single, Lap. 14. HEADS: (a) Material Lecation Thickness (a) Top, bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (c) (c) (c) (d) (d) (d) (d) (d) (d) (d) (e) (e) (e) (e) (e) (e) (e) (e) (e) (e	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Redius (Questial, Special where Sumber Diam. or Si	ys of jackets U. & Spec. Him X.R. Or No. 1 Kon while Reduce Pai at man e applicable.	Spor or Comple Spor or Comple Ratio Religion Retion Simple Retion Simple Simpl	Sectioned TY Se	(Describe or Min. temp. (v or No. 1) (Describe or No. 1)	Let in. i.c. Courses Courses Courses Courses Courses Courses Courses Course Course	If riveted a scribe are fully on torse side form. I on
Items 12-15 incl. to be completed for all Items below to be	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Radius (Queenal, Spec	ys of jackets U. h. Sport. Him V. R. V. R. (b) \ Kot or his Redius psi at man e applicable.	Spot or Comple Spot or Comple Staterial R'liptica Ratio	Sectioned Ty Se	(Describe or Min. temp. to lean than	The Hotels (If riveted a scribe are fully on torse side form. I on
HELL: Material (Kinit and Spee. N. 13. SEAMS: Long (Welfed, Dnl., Single, Lep.) Girth Girth Thickness (a) Top, buttom, ends (b) Channel (c) Floating If removable, bolts used (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Inner chamber T.S. (Fig. or F. II.T. T.S. Covern Radius (Questal, Spec	ys of jackets U. h. Spec. Him N. R. V. R. (b) \ Ko or hie Rediue Pai at man e applicable. For a size Size Size	Spot or Comple Spot or Comple Staterial R'liptica Ratio	Sectioned TY Se	(Describe or Min. temp. (a) Man. temp. (b) Min. temp. (c) Thickness	Tilech Meterial Reinforcement Meterial	If riveted a seribe are fully on tyrer aids frem. I .N. Side to Press. Convex or Convex.

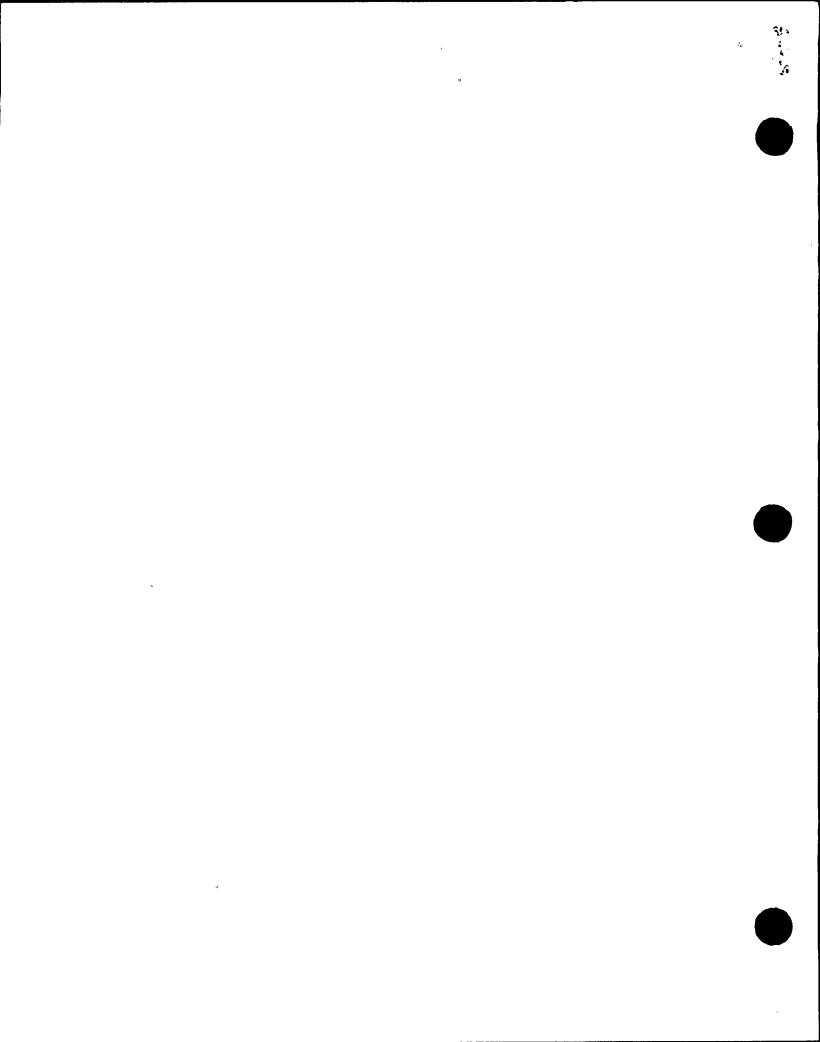
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

(a) Manufactured by General Electric Co., APED. 175 Ourtner Ave: San Jose, California
, (b) Manufactured for Stock iten - standard part for use with GE Boiling Water Reactor at Niggre (Rame and appress of measuracturer of boiler or Years) standard time a
(Rane and actives of meaulacturer of botter or Years) Mohawk Unit 1 2. Identification-Manufacturer's Serial No. of Part 71: - 484). 539
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D. L. Paterson
(b) Description of Part InspectedControl Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. Indro tested at 2110 psi
•
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
Pate August 8 19 67 Signed General Electric Co. 11, -7; (Herresmatter)
(Manufacturer) (Megrecomative)
Conficate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION
I, the understaned, holding a valid commussion issued by the Metteral Board of Notice and Pressure Vessel Inspectors and/or the State of CALIFORNIA and emptyred by Division of Inchistrial Safety of
Department of Industrial Relations have inspected the part of a processed contribed in this
and belief, the manufacturer has constructed this port in occordance with the applicable sections of the ASUF Holler and Pressure
Vessel Code.
By signing this certificate, neither the inspector nor his employer makes any marranty, expressed or implied, concerning the part described in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be liable in any manner
for any personal injury as recresty famage or a loss of any kind drising from or connected with thir Inspection
Date 7-11- 19 E7 7-11- 19 E7 Commissions (5) (7) 6 Rail Horse & State and No
The Profession bleugiste



"THIS FORM I							
tem + 4-9 incl. to be comple							
4: SHELL: Material (KIN)	T.S. (Fig. 5	v F.B. & Spec. Min. T	Nominal Thickness .s.)	Corrosion In. Allowance	In. Diam	_Ft In. Le	ngthFtt
EAMS: Long (Welded, DSI., Sin	ir, Lap. Buti	Y.R.	on or Complete)	ectioned (Yeso	Elliciency.	~~~~~ " ,,	If the ted de- active arams fully on re- verse aids of
Girth G-HEADS: (a) Material	п.т.	X.R T.S.	(b) Material	ectioned	No. of Cour	*c*	form.
Location (Top, bottom, ends) Thick	Cruen Redius	Knuckie Redius	Kiliptical Ratio	Conical 1 Apex ongle	lomisphoru al Radius	Fint Sid Diameter (Con	e to Pressure ven er Concov
							
If removable, bolts used	Waterial, Spec. No. 7	.3., \$124, Number)	Other fasce	ning	recribe or Attac	h Sketch)	•
T. STAYBOLTS:	_						^{बल-} (सज्जातमा)
8. JAÇKET CLOSURI: _							
9. Constructed for max. allowable working press	1250	pai at max.	semp. 575	°F. le	n. temp. (when ss than -20°)		°,
tems 10 and 11 to be comp	lesed for tube section	ns.					
10. TUBE SHEETS: Station	nary. Material	1 h 3pec. No.1	Diam (Sub)	i. P et 10 Pressure)	Thickness	In. Attachmer	it Welded, Holle:
Floaci	ng. Marerial _ Kin	7 K 1542 14 V	Diam	In.	Thickness	In. Attachmer	ıt <u></u>
11. TUBES: Material (Kind)		_	-	0 A .			
ems 12-15, incl. to be co	mpleted for inner cha	mbers of jackered	vessels, or ch	annels of heat	eschangers.		
12. SHELL: Material	T.S	No.	minal ickness	Corrosina In. Allowance	tn. Diam1	frIn. Lengt	
13. SEANS: Long (Welded, Dall, S							
	II.T	1	•] 14110 6140 (
14. HEADS: (a) Material_	T.S	(b) \ta	uccial	T.\	, (c) Materia	1	r.s
Location	Thickness Radiu	n Knuckie d Redius	Z'liptical Ralio	Concal Apra angle	Hadius		de to Preseus aves or Corat
(a) Top. buttom, ends (b) Channel							
(c) Floating If removable, bolts us	ed (a)		(b)				
•	, (Material,	ederinaliste		er lastening _			
15. Constructed for max. allowable working pre	99.4		•		Min. temp. (wh lean than -20		
items ticlow to be comple							
16. SAFETY VALVE OUT					Locat	iva	
17. NOZZI ES:	Yumber Diem. 1	_		rial Th	k hness	esslercenent Material	ttew Attecher
							•
18. INSPIR TION Manho	les, So	Sire	1.0	oration			
OPENINGS: Handh	oles, Nov led, Nov			nation			Die service dell'
19. SUPPORTS: Skin				(2013)	hher. — Dee	Attac	hed mines

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This under them I other internal or external products with coincident temperature when applicable.

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Own	er <u>Niagara Mohawk</u> Name	Power Corporation		Date <u>April 4, 1997</u>			
<u>.</u>	Nine Mile Point P.O.	Box 63 Lycoming N.Y	13093	Sheet1	of	_1	
2. Plant	Nine Mile Point Name		Un	it	······································		
<u>.</u> P.O.	Box 63 Lycoming. N Address	New York 13093		Mech. Maint. Wo Repair Organizati			•••
<u>N</u>	line Mile Point P.O. Address	agara Mohawk Power C Name Box 63 Lycoming N.Y CRD CONTROL ROD	. 13093 Autho	Type Code Symbol Sta rization No. <u>N/A</u> Expiration Date <u>N</u>	_		
5. (a) A (b) A ₁	pplicable Construction pplicable Edition of S	on Code <u>ASA B31.1</u> Section XI Utilized for I ents Repaired or Replac	19 <u>55</u> Repairs or Rep	lacements 19 83. Sum.			
ME OF NENT	Name of Manufacturer	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No
RD 34-39	General Electric	71-630	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
· · · · · · · · · · · · · · · · · · ·							
	•		·				
		<u> </u>					
7. Desci 1303.	ription of Work Repla	ace Control Rod Drive 1	flange capscre	w (1 ea.) at core location	on 34-39.	Reference DER No.	L <u>-97-</u>
8. Tests	Conducted:						
H	•	natic Nominal Opera	_		VI-IST-LK	<u> </u>	;
	Other Pressure	1044.6 PSIG Test Te	mp. <u>226 De</u>	egoF			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.



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

9. Remarks: This was not a service failure. Replaced one (1 ea.) flange capscrew heat Code MI. VT-1 for ISI per NDE Report No. 1-2.01-97-0087 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for capscrew (1ea.). VT-2 per NDE Report No. 1-2.01-97-0136. DER No. 1-97-1303 for performing replacement of capscrew without ASME Section XI Workplan and ANII review. Reference DER 1-97-1303.

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 Dail, & Lendon For 5.0014, HAINTENANCE MAR. Dato 7/29, 1997 OHNER OF OHNER'S Designee, Title
,
•
CERTIFICATE OF INSERVICE INSPECTION
' The state of the
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
MASSACHUSETTS have inspected the components described in this Owner's Report during the period
7/30/47 to 7/30/47, 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.
Section AI.
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.
Lom Dalus Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements
Date 7/30 ,1997
Date

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

2. Plant	. Nine Mile Po	Address pint	Un	it _1	•	······································	
.P.O.		New York 13093		•	ion P.O. N	o., Job No., etc.	
	line Mile Point P.C Addres	=	7. 13093 Autho	Type Code Symbol St prization NoN/A Expiration Date _	_		
5. (a) A	pplicable Construc pplicable Edition o	a <u>CRD CONTROL ROL</u> etion Code <u>ASA B31.1</u> of Section XI Utilized for conents Repaired or Repla	19 <u>55</u> Repairs or Rep	lacements 19 <u>83. Sun</u>	enda <u>, N/A</u> 1. '83 ADD	_ Code Case	
E OF NENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year · Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No
RD 34-51	General Electric	5639	. N/A	NC02 CLASS 1	1977	REPLACEMENT	Yes
•	-						•
7. Descr (1 ea.)	ription of Work Re	place Control Rod Drive er ASME Work Plan in V	with rebuilt sp Vork Order 96-	are as part of prevent 02662-05 at core loca	ive mainten tion 34-51.	ance. Replaced CRD	and
`	Conducted:	,			lı .		,

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % in. \times 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.

(Applicable Manufacturer's Data Reports to be attached)

Remarks: This was not a service failure. Replaced one (1) flange capscrew due to worn allenhead, heat Code MI for capscrew.
 VT-1 for ISI per NDE Report No. 1-2.01-97-0085 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for
 capscrew (lea.). CRD exchanged as part of preventive maintenance. Serial No. 5639 replaced by serial no. 71 665. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

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 Al Galler For S. DUTY, HANGER WAINTENANCE Date 729, 19 97 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 <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>IN 1996</u> to 7/70/97, 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.
Znn D Ayler Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

(12/82)

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

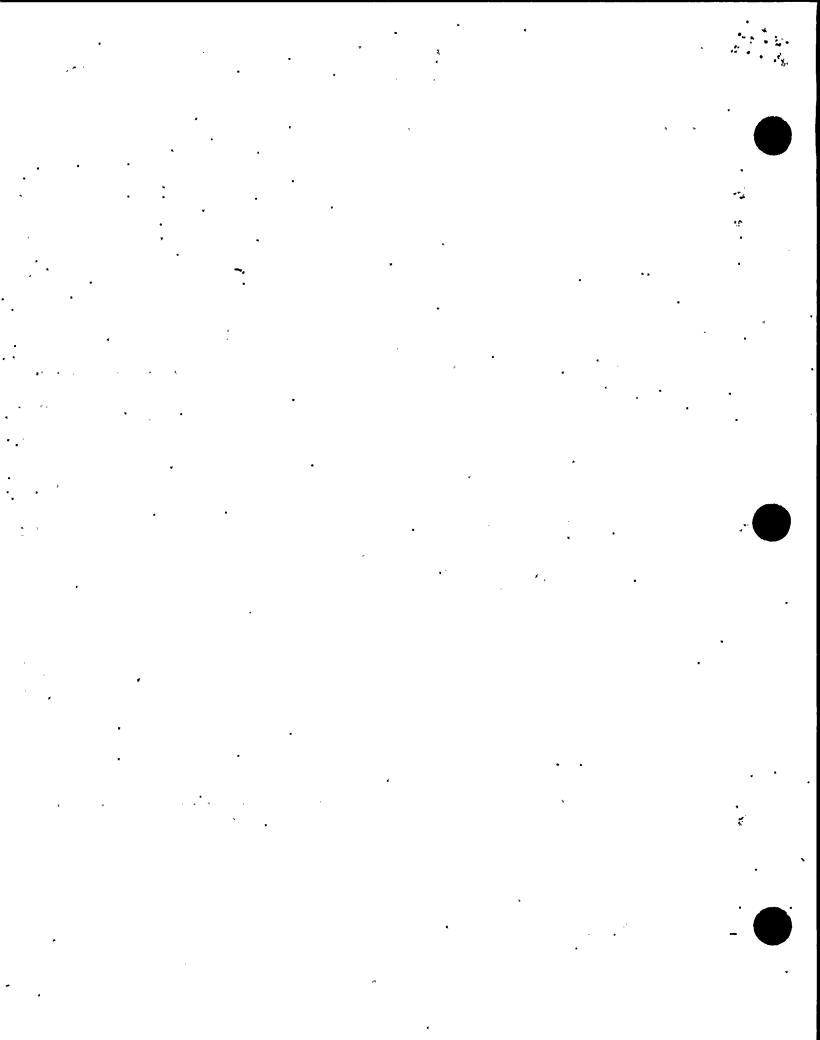
A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

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. SILEI.L: Material (Kind and Spec. H	T.S. (Fig. or F.D. & Spec. Min.	Thicknessla. Allows: T.S.)	cela. DiamFt la.	Length_Ftin.
I. SHEI.L: Material (Kind and Spec. No. (Kind and Spec. (Kind and	H.T. (Yes or No)1 X.R.	Sectioned (Va	Efficiency	If streeted de- ocribe seems fully sa re- verse side of form.
Girth	X.RX.R			T.S.
(Top, bottom, ends) Thickness				
(b)			· 	
. If removable, bolts used			(Describe of Attach Sketch)	
7. STAYBOLTS: (Material)	If hollow Attachmen	(Threaded, Weided)	ch (Vert.) X (Vert.)	Diam. (Nominal)
8. JACKET CLOSURE: 9. Constructed for max.	INABELIES NO OFLE OF	eid, bar, etc. if bar, give dime	neime, if belied, describe or si	netry)
9. Constructed for max. allowable working press.2	250 psi at max	. 1980 °F.	less than -20°)	°F.
tems 10 and 11 to be completed for t	tube acctions.			
0. TUBE SHEETS: Stationary, Mater	rial	Diam. Ir	Thickness In. Attach	ment , (Wolded, Balted)
Floating. Mate	(Kind & Spec. No.)	Diam te	. ThicknessIn. Attach	мепt <u></u>
1. TUBES: Material (Kind & Spec. No.	O.D In. Thi	ckness or Gage	Number T	Pe (Mesight or U)
ems 12-15 incl. to be completed to	er inner chambers of jackete	d vessels, or channels of h	rat eschangers.	
(Kind and Spec. S	T.S. T.S. T. (Fig. of F.B. Lapper, Min.)	ominal Corrosion hicknessIn. Allowance T.S.1	e,in. DiamFtin. L	the congression of the congressi
1. SEANS: Long (Melded, Dbl., Single, Lep.)				fully on re-
वृहीं Girth	II.T X.R.,	Sectioned	No. of courses	form.
				•
Location , Thickness	Crenn Knurkle Redius Redius	, Rotto Apra angle	Redius Planeter	Side to Pressure' (Convex or Concess
(a) Top, buttom, ends			· ·	
(c) Floating				
	(Material, Spec. No., 7 8 , 5100	(b)		
•	•	•		
(c)			Theseries of Allech Metch	·
15. Constructed for max.	poi at max.	temp.	F. less than -10')	°
rems below to be completed for all				
6. SAFETY VALVE OUTLETS: N		Class .	Location	
- 0. SAPELY VALVE UDILEISE S	Pantists	,	Down and and	
7. NDZZI ESt	Dine. willer . Type		Thickness ' Melecial	Attoched
7. NDZZI ES:				Attoched
7. NDZZI ES: Purpose (leteral purpose (leteral purpose) Oralet, Drain) Nones	Sire	l.u. ation		
3. INSPECTION Manholes, No.	Size	Location		
Purpose (Integ. Contest, Drain)	SizeSize	Location Location Location		



FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfined Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

7	ufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
-	(None and address of manufactures of part)
(b) Mani	ufactured for Stock item - standard part for use with GB Boiling Water Reactor at
2. Identific	cation-Manufacturer's Serial No. of Part 71: -34869 4579 579 498 753 538 641 549 553 561 655 6
(a) Cons	structed According to Blueprint No. 237E179 G1 -612, 750, 515 B.P. Prepared to GE, APED: D.L. Peterson
(h) Desc	cription of Part Inspected Control Rod Drive
3. Remarks	Fabricated and inspected in accordance with Section VIII and applicable nuclear
code	cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July	14, 1966.
See s	sketch showing configuration and materials used. Hydro tested at 2110 psi
	•
workmanshi	rily that the statements made in this manufacturer's partial data report are correct and that all details of caterials, construction, and sip of this ressel conform to the ASME Code. July 316 19 67 Signed General Electric Co. (Representative) 19 67
Z	(Manufacturer) (Representative)
tilicat	te of Authorization Expires
T.	. CERTIFICATE OF SHOP INSPECTION
e ·	t, the understaned, holding a valid commission issued by the Notional formed of Body or the State of CALIFORNIA and completed by Division of Inclustrial Safety Department of Inclustrial Relations have imposed the part of a pressure vessel described in this
1	menulacturer's partial data report on
	and belief, the manufacturer has constructed this port in accordance with the applicable sections of the ARES Boiler and Pressure.
	By signing this certificate, nowher the inspector nor his employer makes any morrowy, expressed or implied, concerning the part
ļ	described in this manufacturer's partial data report. Furthermore, neither the mappeties nor his employer shall be liable in any manner
\	for any personal injury or property damage or a loss of any kind prising from a connerted with this inspection. Date 4-12-19-6-7
į	Date 4-17 19 6 7 Commissions (7 5 6 Rail Bland on No.
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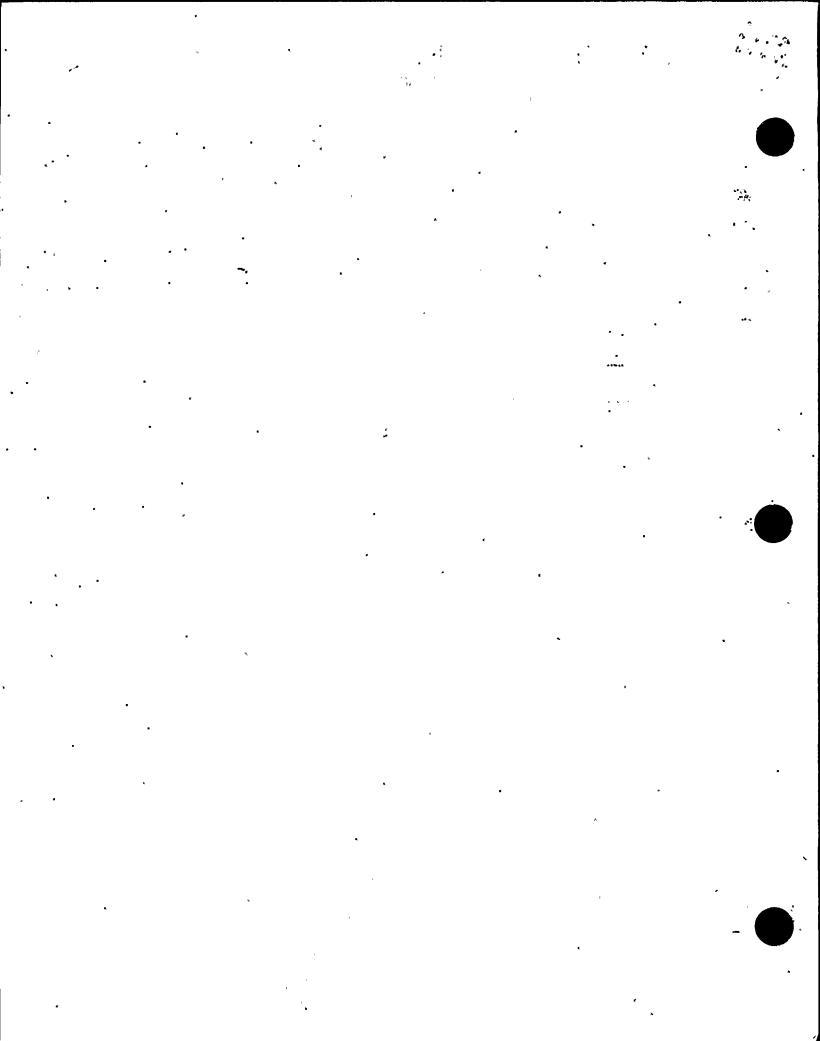
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SEAMS: Long	•	II.T.	X.R.	Sectione	1 Ellicies	ncy %	ni tinatan
· Welded, Do	il. Single, Lap. Bi	At) (Yes e	e Hoji (Spot e	r Complete)	(Yea or No)		
Ginh		II.T.	x.r.	Sectione	d No. of (Courses	verse sid (orm,
HEADS: (a) Materi							T.S.
t or at lon -			Yanabia Fili	reteat Cana	1 Mariachana		***
Location (Top, button, ends)	Thickness	Redius	ROJNO R	HIS APER OF	cle Radius	Diameter (Cer	TOR OF COM
(a)							
(b)	*						
If removable, bolts	. used			Other fastening	•		
•	Material	Scee No. T.S.	lice, Number)		(Describe of A	itech Sketch)	4 ,
STAYBOLTS:		If hollow	Attachment		Pitch	x n	iara.
(V	laterial).	(Size of	Hole)	(Threaderl, Belded)	(Hau.)	(Vert.)	(Homi
LACKET CLOSUR	E:			•		•	
JACKET CLOSUR		(Deservo	e as ager & meld,	ber, etc. li ber, give	demonstant, it believe	, describe er akete	A)
Constructed for manifoxable working	AR. Dress. ^J	1250	psi at mas, tem	s. 575	Min. temp. (w) F. Jean than -20	າເຄ	•
ns 10 and 11 to be	completed for t	iulie sections.		·	<u> </u>		
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TUBE SHEETS: S	tationary, vare	TRING &'s	pec. 80.1	(Subject to Pi	- 100 may	in. Attachme	Wolder, U
•	Acada - Mass			Di .m	la libratana.	la Assarban	
				Diam			
TUBES: Material				Inch	69		, •
TUBES: Material	Kind & Prec. No.	· · · · · · · · · · · · · · · · · · ·	- in. Interne	ss or (age Number	Type	Mere La Terre
ms-12-15 incl. to t	be completed to	t inner chamber	s of tacketed vet	sels, or channels	of heat eschangers	٠.	
	,		· Noma	al Corr	osium		
IIIII.: Material	(Kind on Loop)	T.S.	Thicks	ressla. Alla	wanceIn. Diam.	FtIn. Leng	the Fre
			•		_		I If elvete
SEAMS: Long	bl. Single, Len.	Ball.T. TYes	er No. X.R.	Sectioned	Wes as No.	racy %	fully -
a.						•	terer si
				Sectioned			
. IIEADS: (a) Maier	rial,	Г.5	(P) Metetic	11.S	· (c) Was	erial	1.5
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	• • • • • • • • • • • • • • • • • • • •			•	•		
(a) Top. bottom, c		•					
(b) Channel							
(c) I-losting							
	ts used (a) 👝	70	W. T. T. T. T. T.				
If removable, bol				Other faster	Ing	- Allech Berchi	
	(c)		-				
If removable, bold	Max.	•			Min. temp.	r min Cin	
If removable, boli	Max.	•	pai at max-temp	<u></u>	Min. temp.	-502)	
If removable, boli	uer.	e Prince e Australië is a		·	"F. less than -	-302)	
If removable, bold of the constructed for the constructed for the construction to be constructed to the construction to the constructi	max. In press *	vessels where	applicable.		···		
If removable, bold of the constructed for the constructed for the construction to be constructed for the construc	max. In press *	vessels where	applicable.		···		
If removable, bold of allowable working the lower to be constructed for a linear to be constr	max. In press * Impleted for all E OUTLUES: 9	vessels where	applicable.		···		
If removable, bold of allowable working the little working in SAI-IITY VALVE. NOVALUE (Internal Control of the	max. In press * Impleted for all E OUTLUES: 9	vessels where	applicable.		···		Her
If removable, bold removable, bold removable working the line to be constructed for a self-time to be constructed for the self-time to be	max. In press * Impleted for all E OUTLUTS: 9	vessels where	applicable.	Size	The base	Reinforcement Material	Her
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If removable, bold in allowable working the low to be compared for the control of	max. In press * Impleted for all E OUTLUES: Number	Acasela where	applicable.	Size	Thickness	Reinforcement Material	Hot
If removable, bold and allowable working allowable working the sound of the control of the contr	max. In press * Impleted for all E OUTLUES: S Number fanholes, Su., tandboles, No.,	Acasela where	applicable. Type Siee	Size	Thickness	Reinforcement Material	Hot



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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

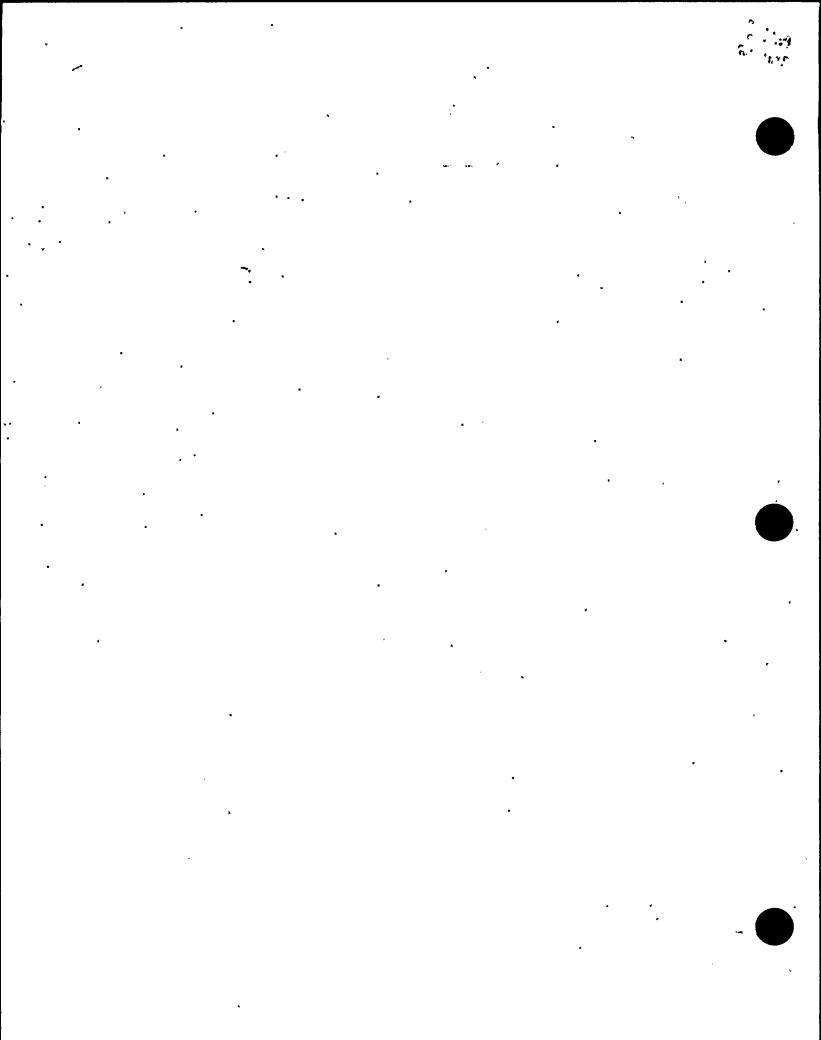
A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

1. (a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California	
(b) Manufactured for _Stock item - standard part for use with GE Boiling Nater Reactor at Niago (Name and sepress of manufacturer of better or vessel Mohawk Unit 1 2. Identification-Manufacturer's Serial No. of Part71:484; 539	æ
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE. APED: D. L. Poterson	
(h) Description of Patr Inspected Control Rod Drive .	
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear	
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated	
July 14, 1966.	
See sketch showing configuration and materials used. Hydro tested at 2110 psi	
We certify that the statements made in this manufacturer's partial data report are correct and that all details at materials, construction, and	•
Animat 8 to 67 circa Conoral Flectric Co	_
August 8 19 67 Signed General Electric Co. 11, - 7, (1)	
ficate of Authorization Expers December 31 19 67	
CERTIFICATE OF SHOP INSPECTION	7
1, the undersigned, holding a valid commission issued by the Notional Brand of Holler and Pressure Vessel Inspectors and/or the	١
state of CALIFORNIA and employed by Division of Industrial Safety at	
Department of Industrial Relations have inspected the part of a pressure sessel described in this	1
manufacturer's partial data report on	ı
and belief, the manufacturer has constructed this port in occordance with the applicable sections of the ASUF Builer and Prossure	١
Vessel Code. By signing this contificate, neigher the inspector nor his employer makes any marranty, expressed or implied, concerning the part	1
described in this manufacturer's partial data report. Furthermore, neither the Inspector nor his exployer shall be liable in any manner	ł
for any personal injury or property lamage or a loss of any kind arising from or connected with thir inspection	Į
Date 77 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ì
Iniphiloria Planelure Commissions Kelli Briefs de State and Ni	1
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					shells of heat ex	changers.
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SEAMS: Long (Welded, Doi., Single, Lap	(Fig. or U.T	F.B. & Spec. Min. T.I V D	S.) Sacrica	ed Ellicians	[If theted de-
Welded, Doi., Single, Lap	. इज्रा	eds) Lok so se	e or Complete)	(१रवन सक्)	'",*	fully on re-
Ginh	II.T	X.R.:	Section	edNo. of Co	macs	form.
G-JIEADS: (a) Material		.5	(b) Marerial	·····	ī	.S
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'(a)						
If removable, bolts used						
. 14a*e	nal.Spec. No. T.	S., Size, Number)	•	(Describe of All	ach Sketch)	
T. STAYBOLTS:	If hollow_	Attachment _	(Thresded, ne Med)	Pitch (Horse.)	(Vert.) Di	Nominel)
8. JACKET CLOSURE:		·			······	
9. Constructed for max. ** Allowable working press:*	1250	cribo do agro b mal Dei di maxete	d, bar, etc. U Gar, giv	r dimensione, il belied, Min. temp. (who Pr. less than -20	describe er sketch } 	ر. ا
ems 10 and 11 to be completed to						
O. TUBE SHEETS: Stationary, M	Ateria:		Diam	. la. Thickages	In. Attachmen	•
*	- Kind	\$ \$pec. No.1	(Buspect to	Provided)		elded, lioites
Floating. M	aterial_ Kini	£-3	Diem	In. Thickness_	_ In. Attachmen	·
			· to	ches		
TUBES: Material (Kind & Spe.)	O.D	In. Thick	ne48 ar	Gage Number	Trre	Fre Sem or UT
as 12-15 incl. to be completed	liet innet cham	bers of tacketed	ressels, or channel	s of heat eachangers.		
12. SHELL: Material Kind and Spe-	T.S.	Nom This	iinal ("o ckoessIn. All	nosim owance In Diam.	Ft. In. Lones	h. Fe. 1
(Kind and Sye	e. Na 118. 90	F.U. h Spec. Min. T.	0.)	,	and a company and a second of	If elveted de-
13. SEAMS: Long (Welded, Dall, Single, D	mulli.T.	X.R.	Sections	d Tillicies	cy 7	serbe seams
•		•				***** **** **
Girch 14. HEADS: (a) Material	11.T	X.R	Sections	No. of c		fem.
ias mitulio: (a) material						
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(b) Channel						
/- 1 til						
(c) Floating If removable, bolts used (a)						
If removable, bolts used (a)			(b)			
If removable, bolts used (a)						
If removable, bolts used (a)			(b)Other fast	raing (Describe) or	Attack brotchi	
If removable, bolts used (a)			(b)Other fast	raing (Describe) or	Attack brotchi	
If removable, bolts used (a)		fal at man. to	(b)Other fast	raing (Describe) or	Attack brotchi	
If removable, bolts used (a) (c) 15. Constructed for max, allowable working press 4	all sceeds wh	ral at man-te	Other fast	ening (Doserts) to Min. temp. le	Attack brotchi	
If removable, bolts used (a) (c) (c) 15. Constructed for max. allowable working press 4 items below to be completed for	all sceeds wh	rel at man-te	Other fast	ening (Doserts) as Min. temp. le of less than as	Allach Barlehi rhen 20'1	
16 removable, bolts used (a) (c) (c) 15. Constructed for max. allowable working press items below to be completed for 16. SAFETY VALVE OUTLETS 17. NOZZI ES: Propose (Intel. Outlet, Drain) Number	all scene to who: Number	rel at man-to cer applicable.	Other fast	This knoos	Atlach Melchi when 20'1 Asion Reminerated Material	(() () () () () () () () () (
16 removable, bolts used (a) (c) (c) 15. Constructed for max. allowable working press items below to be completed for 16. SAFETY VALVE OUTLETS 17. NOZZI Es: Prepose Golet, Outlet, Drain) Number	all scene to who: Number	rel at man-to cer applicable.	Other fast	ening Boseriss' as Min. temp. Is of than as than as I.i.e. This knows	Atlach Melchi when 20'1 Asion Reminerated Material	(
16 removable, bolts used (a) (c) (c) 15. Constructed for max. allowable working press 4 items below to be completed for 16. SAFETY VALVE OUTLETS 17. NOZZI Es: Propose (Inlet, Outlet, Drain) Number	All scoot to who: Number	rel at man-to	Other fast	Thu knoos	Atlach Melchi when 20'1 Ation Memberson Meterni	(
16. Constructed for max. allowable working press 4 items below to be completed for 16. SAFETY VALVE OUTLETS 17. SOZZI ES: Propose (Inlet. Outlet, Drain) Number 18. INSPECTION Manholes, N OPENINGS: Handholes, N	All scarle whi : Number	rel at man, to	Other fast mp. Size Meterial Location Lecation	This knows	Allach Molch) shea Wouldecount Wateroal	(
15. Constructed for max. allowable working press 4 items below to be completed for 16. SAFETY VALVE OUTLETS 17. SOZZI ES: Propose (Inlet, Outlet, Drain) Number 18. INSPECTION Manholes, N OPENINGS: Handholes, N	All scarle whi	gire Sire	Other fast Size Meterial	This knoos	Allach Molch) shea Wouldecount Wateroal	Allsehed



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

		As Required by th	e Provisions of th	10 ASME Code Section	XI		
.1. Owne	er <u>Niagara Mohav</u> Name	vk Power Corporation	I	Date <u>March 21, 1997</u>	·		
	Nine Mile Point P.	O. Box 63 Lycoming N. Address	Y. 13093	Sheet1	of		
2. Plant	Nine Mile Po Name	int	Unit	<u>.</u> 1	<u>.</u> ,		
<u>P.O.</u>	Box 63 Lycoming Address	. New York 13093		Mech. Maint. Wo Repair Organizati			•
		Niagara Mohawk Power Name O. Box 63 Lycoming N.) s	Assilian	ype Code Symbol Starization No. <u>N/A</u> Expiration Date <u>N</u>			
5. (a) A (b) A ₁	pplicable Construc pplicable Edition o	CRD CONTROL ROD ction Code ASA B31.1 f Section XI Utilized for onents Repaired or Repla	19 <u>55</u> Repairs or Repl	acements 19 <u>83. Sum</u>	nda <u>, N/A</u> . '83 ADE	_ Code Case	
OF IENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes. or No
38-07	General Electric	71-476	. N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
<u>· · · · · · · · · · · · · · · · · · · </u>							•
			<u>.</u>				
	ription of Work Reflange capscrew po	eplace Control Rod Drive er ASME Work Plan in V	with rebuilt spa Vork Order 96-0	re as part of preventi 04383-00 at core locat	ve mainter ion 38-07.	nance. Replaced CRD	ard
	Iydrostatic □ Pne	umatic D Nominal Oper ure 1044.6 PSIG Test T			<u>N1-IST-L</u> 1	K-101_	

· NAME

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Replaced one (1) flange capscrew due to worn allenhead, heat Code MI for capscrew. VT-1 for ISI per NDE Report No. 1-2.01-97-0065 and VT-1 fpr PSI per NDE Report No. 1-2.01-97-0011 for capscrew (lea.). CRD exchanged as part of preventive maintenance. Serial No. 71-476 replaced by serial no. 6234. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

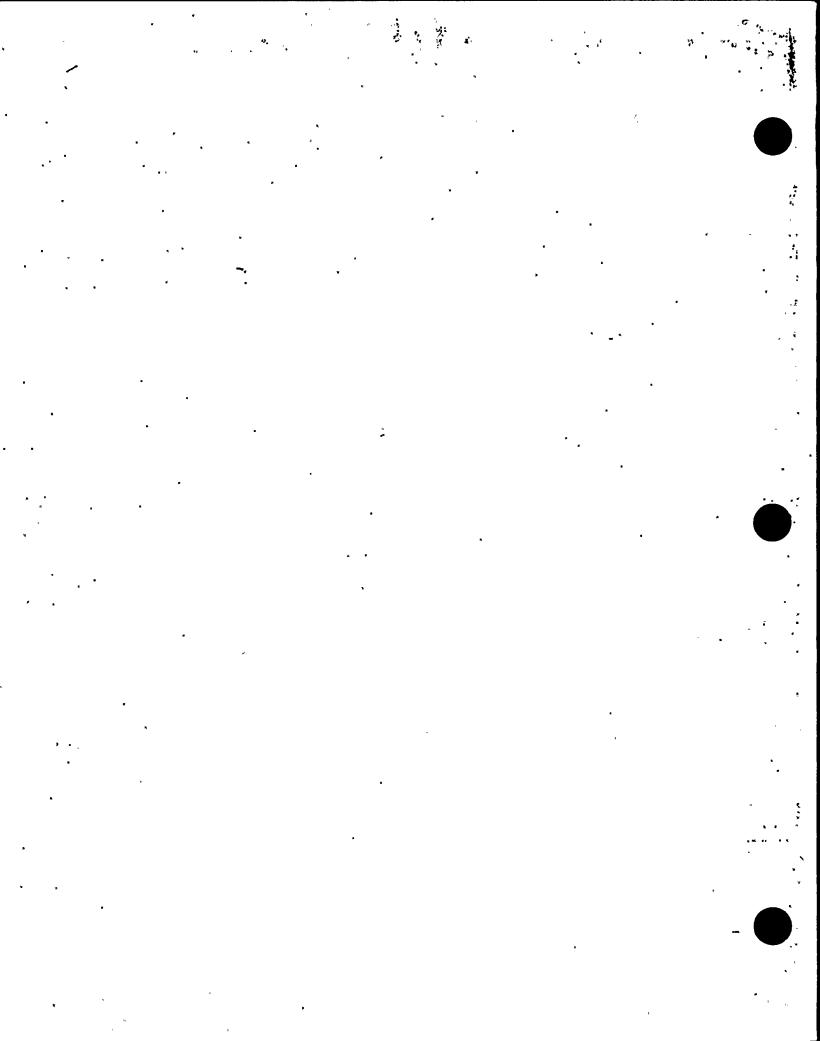
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI. \approx repair or replacement						
Type Code Symbol Stamp None						
Certificate of Authorization No None Expiration Date None Signed Jel, Gluber Fix 3-017, Madales MAINT - Ul Date 7/29, 19-97 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 <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>UIF 146</u> to 7130147, 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 NB 8 + 16 NY 28/2 National Board, State, Province, and Endorsements						
Inspector's Signature National Board, State, Province, and Endorsements Date						

(12/82)

FORM N-2 MANUFACTURERS DATA REPORT FOR NÉCLIFAR PART AND APPURTENANCES*

	As regular by the Provisions of the ASWE Code Rules
	(e) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N. C.
	*
•	(b) Manufactured in General Electric Co., San vicse, Calif. (Home and address of Manufacturer of completed nucleus component)
	Identification-Vanufacturer's Serial No. of Part 6234 Nat'l Hd. No.
	(a) Constructed According to Drawing No. 91902586002 Drawing Prepared by D. L. Peterson
	(b) Description of Patt Inspected Cylinder Tube and Flange
	(c) Applicable ASME Code: Section III, Edition 1974, Addenda date 11000, Case No. 1361 Class 1
3.	Remarks: Standard part for use with reactor (Unit description of service for which component was designed)
	Hydrostatically tested at 1820 psi.
Ş	•
=	,
	We certify that the statements made in this report are correct, and this vessel part or apputtenance as defined in the Code conmists to the fulles of construction of the ANMI Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An apputtenance infacturer is responsible for furnishing a separate Design Specification and Stress Report if the apputtenance is not included the component Design Specification and Stress Report.)
D:	12-28 19 77 Signed GE HEPD-HID-EN By Class Cu Francisco
	nilieste of Authorization Expires June 16, 1978. Certificate of Authorization No. 11-1151
ſ	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
1	Design information on file at General Electric Co., HEPD-WiD-EH, Castle Hayne Rd., Wilmington !!.
1	Sucss analysis report on file at General Electric Co., NEPD-WMD-EM, Castle Hayne Rd., Wilmington,
	Design specifications certified by Vernon W. Pence Prof. Eng. State Calif. Reg. No. 14488
	Stress analysis report certified by Vernon W. Pence Prof. Eng. State Calif. Reg. No. 14488
Ē	CERTIFICATE OF SHOP INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure sessel described in this Banufacturer's Partial Data Report on 19, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the Astil Code Section III. By signing this certificate, notice the Inspector nor his captover makes any warrants, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report, I unformatic, norther the Inspector nor his employer shall be table in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	F. Licomorphia No 799, PA MC2L60, Ohio
	, Inspector Signature Commissions
• 5 .	Extended where in form of toda, welches or disasses may be used provided 1th ears in 1°, a 11°, all information in Henri 102 on this to reput is included in tem 2, "Nemarks",

155 17 1



FORM SQUANCEMENTION REPORT FOR FOR MELLER AND APPRICANANCES.

As required by the Proxistons of the ASM Code Rules

• •	MENTAL PROPERTY AND	የማድጨማ የፍልተ
ı.	(19) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, H. C.	
•	(b) Stanuf. wred in General Electric Co., San Jose, Calif.	****
2.	. Identification-Manutacturer's Social No. of Pan 6234 Nat'l 101, No.	
	(a) Constructed According to Drawing No. 91992586092	
	(b) Description of Part Inspected _Cylinder Tube and Flange	
	(c) Applicable ASM CoderSection III, I dition, 1974, Addendadar, Bone, Case No. 1361	ì
_	Standard must few use with reactor	

3. Remarks. Standard part for use with rentitor

· Hydrostatically tested at 1820 psi.

Í∵ Cap 167A2343P1 $(167\lambda2343)$ SA182-F304 3/8 thick x 1 1/16 OD

Indicator Tube 104B1336P1 SA312-T1316 3/4 ach 40-seamless pipe 0.113 wall thickness 1.065 max. dia.

& Plug 159A1176P1 SA182-F304 O 1/4 thick x 0.812 OD

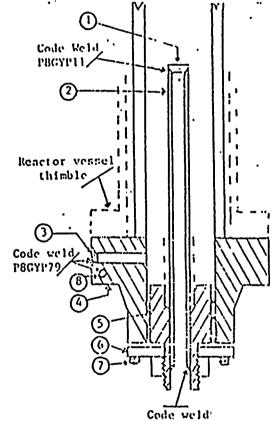
Priange 919D610r1 (719E474) SA182-1304 3.37 thick x 9 5/8 OD neck 1 1/16 thick x 5.0 OD 2.875 10

5. Head 129B3539F1 SA182-F304 7/8 thick x 2.875 Dia.

6. Ring Flange 114B5122P2 SA182-F304 1" thick x 5.0 OD x 1.75 1D

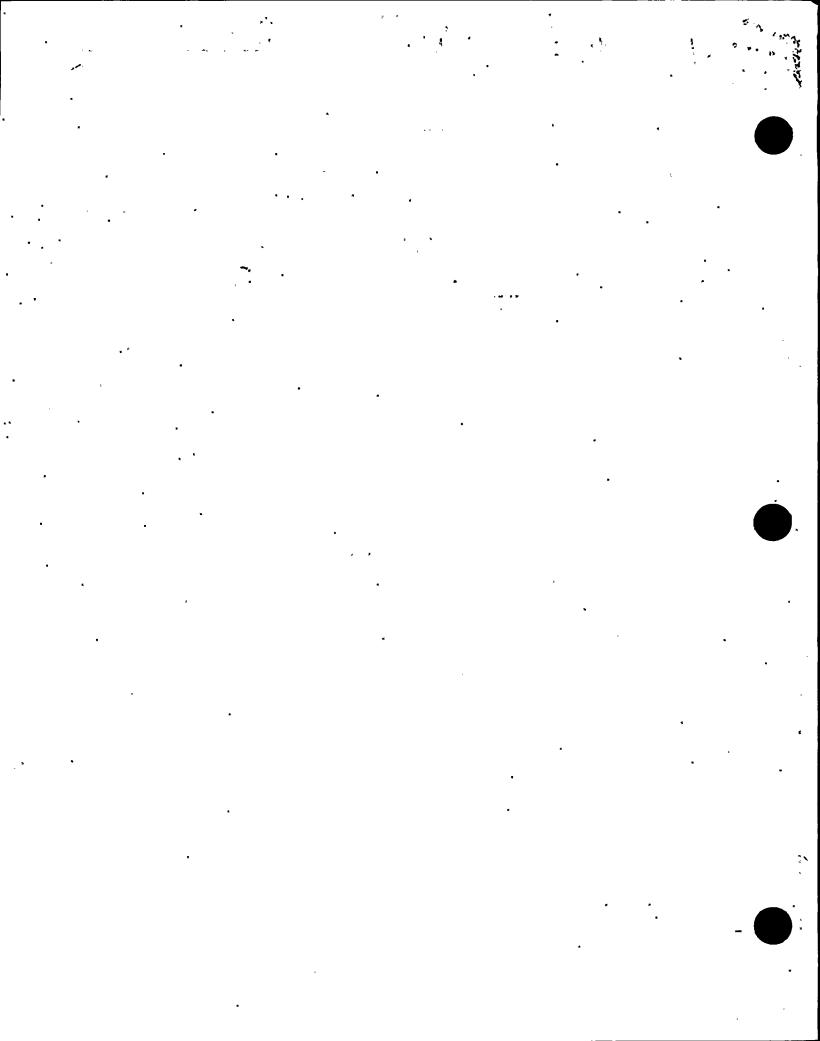
7. Cap Screw 117C4516P2 SA193-B6 6 ea. 1/2 dis. on 4 1/8 bolt circle

8. Plus 175A7961P1 SA182-F304 0.38 thick x 1.307 din.



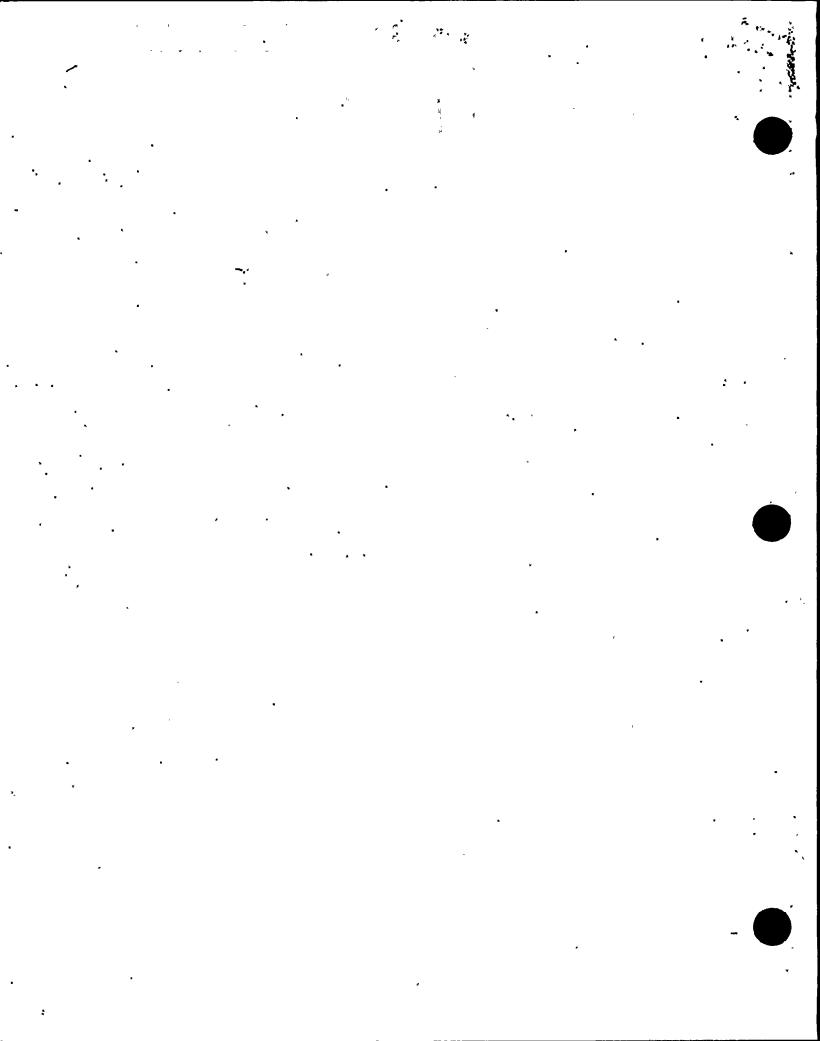
P8GYP7 ..

Rolled before weld



FORM N-2 (back)

:	. 4-8 Jul, to be com	deted for sin	gle wall s	essels, jac	kers of par	leted vessels	, or shells of	locat exchanger	۸,
4,	Shell: Material(Kind & 5)		of Kunge S	paijast hickaees prestæd)	_ in. Allow	rion rance——in.	.Diaf(in. Length_	ſι in.
5.	Scams: Long		T.1	· · ·	R.T.,	···	.Efficiency_		%
6.	lleads: (a) Material_			_ 7'.S		(b) Matsti	ــــــــــــــــــــــــــــــــــــــ		
:	(Top, bottom, ends)	Thickness	Radius	Radius '	Hallo		Redius	Diameter	Side to Press. (Conv. or Cons.)
	(*)					*			
	(b)					Other fast	roine		
	ll tenevable, bults us	(Motes	ial, Spec. t	o., T.S., Siz	e, Number)			(Describe or altec	h skeich)
7.	Jacket Closure:	PC 48 0000 40.3	weld, bar, e	le. Il hat gave	dimtations	all bolled, dear	nbe or skelch)		
	•.		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Dro	p Weight	
	Design pressure ³	1250	•	~: ·	,	575	· Chi	orpy Impact	(1.15
	Desitu bicasore			ps: 2:	·			emp. 01	
item	s 9 and 10 to be comp	leted for tube	sections						
	Tube Sheets: Stationa	rr. Material_		Di	a	This	ckness io	. Attachment	
\bigcirc	Floating Tubes: Material	g. Material.		Di	»	This	cknessin	. Attachment	
10.	Tubes: Material		O.D	in. Thi	ickness	et E46	. Number _	Турс	
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ice C	s 11-14 incl. to be co	mpleted for in	nnet cham	bers of jac	keted vess	els, or channe	ils of heat ex-	changers.	
	Scams: Long				_ R.T		. Elliciency_		_%
O	Gitth							ics	
B	Meads (a) Material			T.S		(b) Materia	·!	T.S	
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	(a) Top, bottom, ends								
	(b) Channel	-1(2)					whee feetenie		
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15.	Safety Valve Outlets:	Number	•	Size	1	ocation -			
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15.	Supponer Skin	Cor Soit Lug	120°5	1.egs	(Number)	_ Other_;p.	Aiis	whed	ie A Ilean
	li Postmeld Heat-Trea List wikes internal or o	ted. rateenat week ho	ee wath some	m went team	 ielaluie alcie	s applicable.			•
							a the ASUE To		



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

	Nine Mile Point	lame <u>P.O. Box 63 Lyco</u>	oming N.Y.	13093 Sh	eet	of	1
-		Address		<u></u>	<u> </u>		<u> </u>
2. Plant	Nine Mile Na	Point		Unit	<u></u>		
<u>P.O.</u>	Box 63 Lycomia Addi	ng, New York 130 ress	093	<u>M</u> Repai	lech. Ma ir Organi	int. Work Order No. zation P.O. No., Job	96-04384- No., etc.
3. Work	Performed By _	Niagara Mohawk	Power Con	p. Type Co	ode Syml	bol Stamp <u>N/A</u>	
1	Nine Mile Point I	Name 2.O. Box 63 Lycor	ning N.Y. 1	3093 Authori	zation N	o. N/A Date N/A	
A Identi	***	lress m <u>CRD CONTRO</u>	T DOD DD		phanon	Dato <u>IV/A</u>	17.5
					n. None	_ Addenda, N/A Co	—- de Case
(b) A ₁	pplicable Edition	of Section XI Util	ized for Rep	airs or Replacement	ts 19 <u>83</u> ,	Sum. '83 ADD.	de Case
				and Replacement Co			
AME OF MPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No
RD 38-	General Electric	A3616	N/A	NC02 CLASS 1	1980	REPLACEMENT	Yes
				•			
				*			<u> </u>
				<u> </u>		<u> </u>	-l
7. Descr	iption of Work I	Replace Control Ro	d Drive with	ı rebuilt spare as pa	rt of prev	ventive maintenance.]	Replaced C
per ASM	1E Work Plan in	Work Order 96-04	4384-00 at co	ore location 38-11.			
8. Tests	Conducted:						
		neumatic 🗆 Nomi	nal Oneratin	o Pressure 🗆 Ta	st Proces	dure: <u>N1-IST-LK-101</u>	
	Other =	iodilmilo 🕒 110iili	mar Operation	ig I lessuic 🗖 — Te	st Proce	duie. <u>111-151-LR-101</u>	
		Test Temp.	226 Deg.	_oF			

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



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. A3616 replaced by serial no. A3521. VT-2 per NDE Report No. 1-2.01-97-0136.

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 Street Mund. Munuse Date 7.21, 19 97 Owner or Owder'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 1115196 to 7/2397, 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.
Lynn O Order Commissions 115446 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23 ,19 97

(12/82)

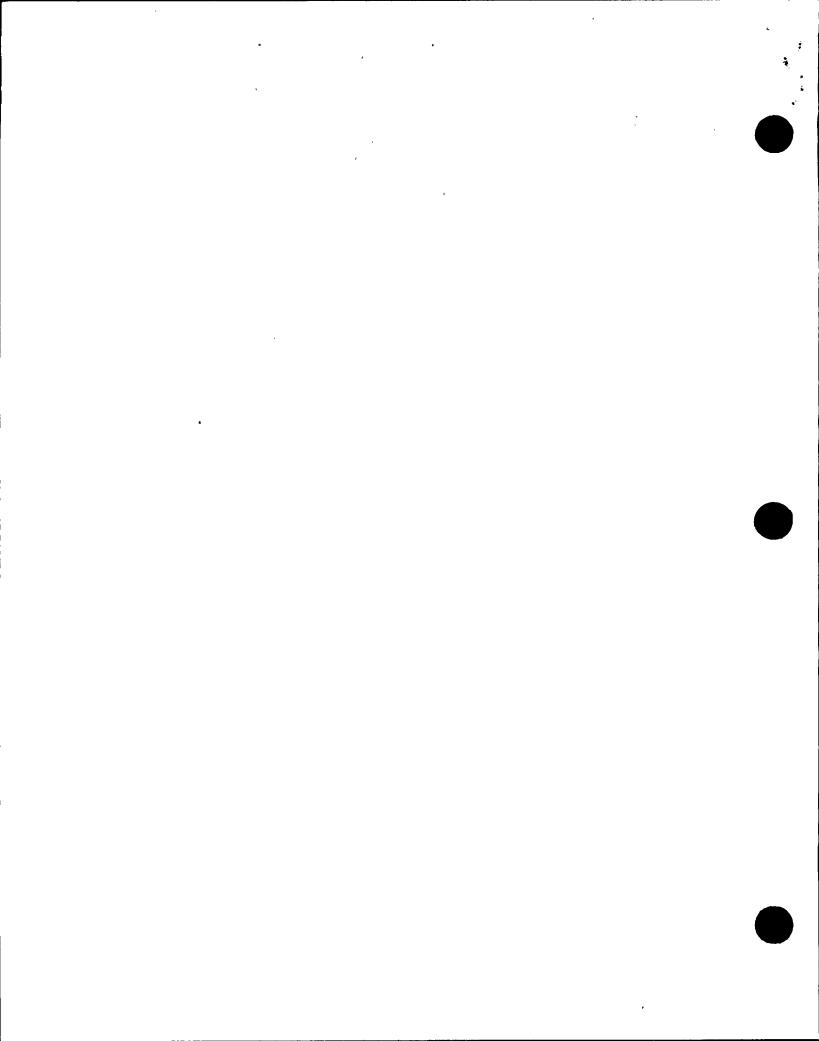
edescribed in the communication of the communicatie

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MA NEY CLETTHICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTEMANCES. As required by the Project of the Actual Code Rules, Section III, Div. Project Of the Actual Code Rules, Section III, Div. Project Of the Actual Code Rules, Section III, Div. Project Of the Actual Code Rules, Section III, Div. Project Of the Actual Code Rules, Section III, Div. Project Of the Actual Code Rules, Section III, Div. Project Of the Actual Code Rules, Section III, Div. Project Of the Actual Code Rules, Section III, Div. Project Of The Actual Code Rules, Section III, Div. Project Of The Actual Code

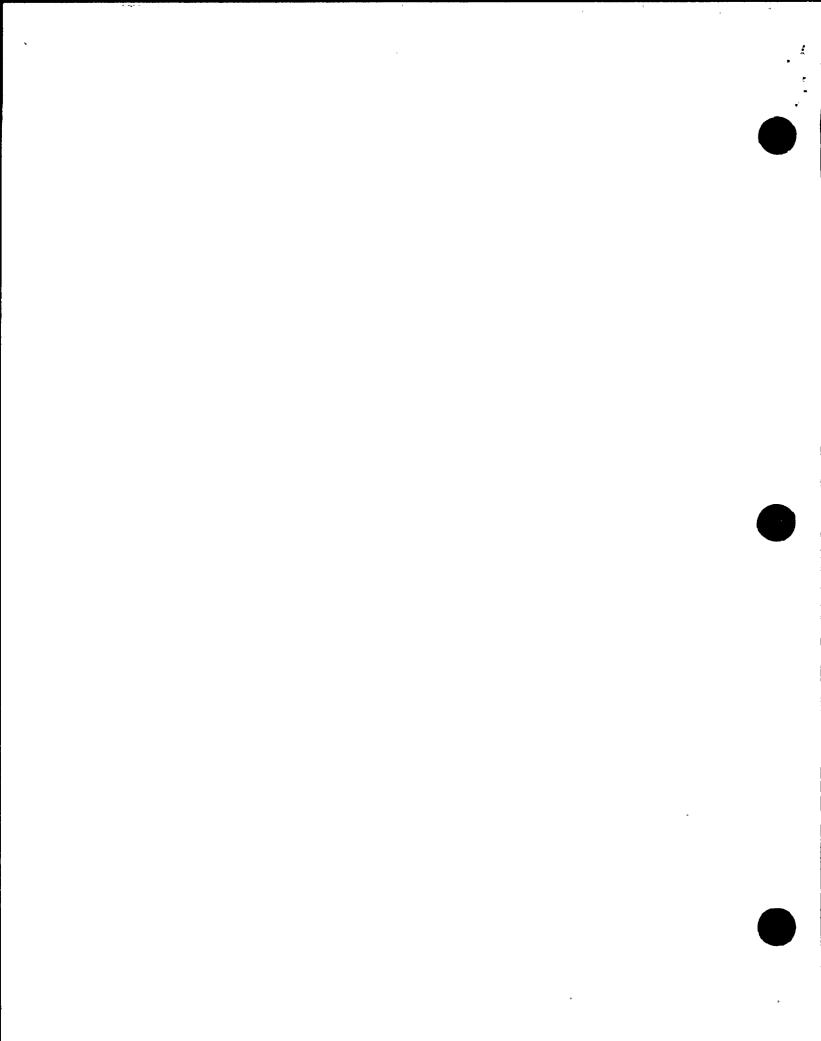
	(a) Messlaring of Canaral Electric Co., Castle Hayne Rd., Wilmington, M.C.
	Canaral Placeric Co., San Jose, Calif. (NEBG).
	(b) Hannfaction Continues Holder's Sertal No. of Part A3521 Nort Bd: North Bd: North
	Maintenance Holder's Series No. of Park
	(a) Consider to Drawing No. 919D258 G003 Drawing Prepared by D. L. Peterson (b) Description of Part Inspected (b) Description of Part Inspected
	(b) Descripcion of Part Inspected
	(c) Applicable ASME Coder Section III, Edition, Addenda date, Case NoClass
3	Remarker Standard part for use with reactor (Brief description of service for which component was designed)
	Hydrostatically tested at 1820 psi.
:	
O -	* Number of sheets - 2
	We certify that the statements made in this report are correct and this vessel part or appurenance as defined in the Code common to the rules of construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not neithed in the component Design Specification and Stress Report.) 1000 100
	ertificate of Authorization Expires June 16, 1981 Certificate of Authorization No. N-1151
प र	
0	CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
0	Design information on file at GE., NEFD-WAD-EM., Castle Hayne Rd., Wilmington, N.C.
	Stress easlysis report on file at GZ., NEPD-WMD-EM., Castle Hayne Rd., Wilmington, N.C.
	Design specifications certified by Vernon W. Pence Prof. Eng. State Calif. Reg. No. 14488
Į	Scress scalysis report certified by Vernon W. Penca Prof. Eng. Scare Calif. 14488
: [CERTIFICATE OF SHOP INSPECTION
	I, the undersigned, holding a valid commission issued by the Mational Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of North Carolina and employed by Dapt of Labor of State of North Carolina have inspected the part of a pressure vessel described in this
•	Partial Data Report on 6-18 19 80 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, norther the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind actaing from or connected with this inspection.
	Osco 6-18 19 80 NC 723, PA WC1766, OHIO. Legacian's Streeture Commissions Hotland Board, Note, Province and No.
, l	Enoporter's Signature Annual Section of Comparison of Comparison of the Comparison of

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•,•	(4,	··· –			Elliptical	-	Hemiopa		Side to Press
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	(a) Top, bottoe	s, ends							
	(b) Channel								
	if removable, i	olts used (a)	(5)_		(e)	0	ther faster	(Describe o	or attack suetch)
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14.	Desien pressu	re ¹		sai 44 _		·	_	Charpy Impact_ at temp. of	
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					_	_			
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10.	Nozzies	•						Reinfortement	
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17.	Inspection Me	nholes, No	Size		Local	ion			
	Openings: Ha	adholes, No	Size.		Locat	ion			
	T	resded. No	5ize.		Loca	ion			
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(a) Manufacture of Care of Case Lawrence House of Manufacture House House House House House House Service House and San Jose, Calif. (NESG)

(b) Manufacture Care of Case of C

(N. Desemble of Parket Parket Cylinder Tube and Flance

(4) Applicable ASME Color Section III, Edition - 1971 Alterdadas S'73 Case No. 1361-2 Class 1

the state of the second

Remarks Standard part for use with reactor. Hydrostatically tested at 1820 psi. (Brief description of service (or which consenses was designed)

* * Number of sheets - 2

الأدور بعد الخاري والوا

L. Cap 167A23A3P1 (167A2343) SA182-F304 3/8 thick x 1 1/16 0D

2. Indicator Tube 10481336P1 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.

Plug 159A1176P1 SA182-7304 1/4 thick x 0.812 0D

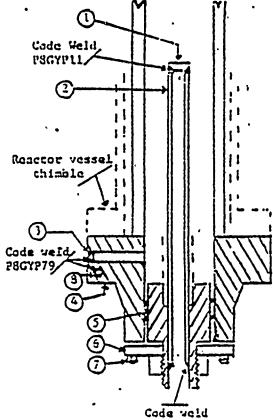
1 Flange 9190610P1 (719E474) SA182-7304 3.37 thick x 9 5/8 0D: neck 1 1/16 thick x 5.0 00 2.875 ID

> 5. Head 12983539P1 SA192-7304 7/8 chick x 2.375 Dia.

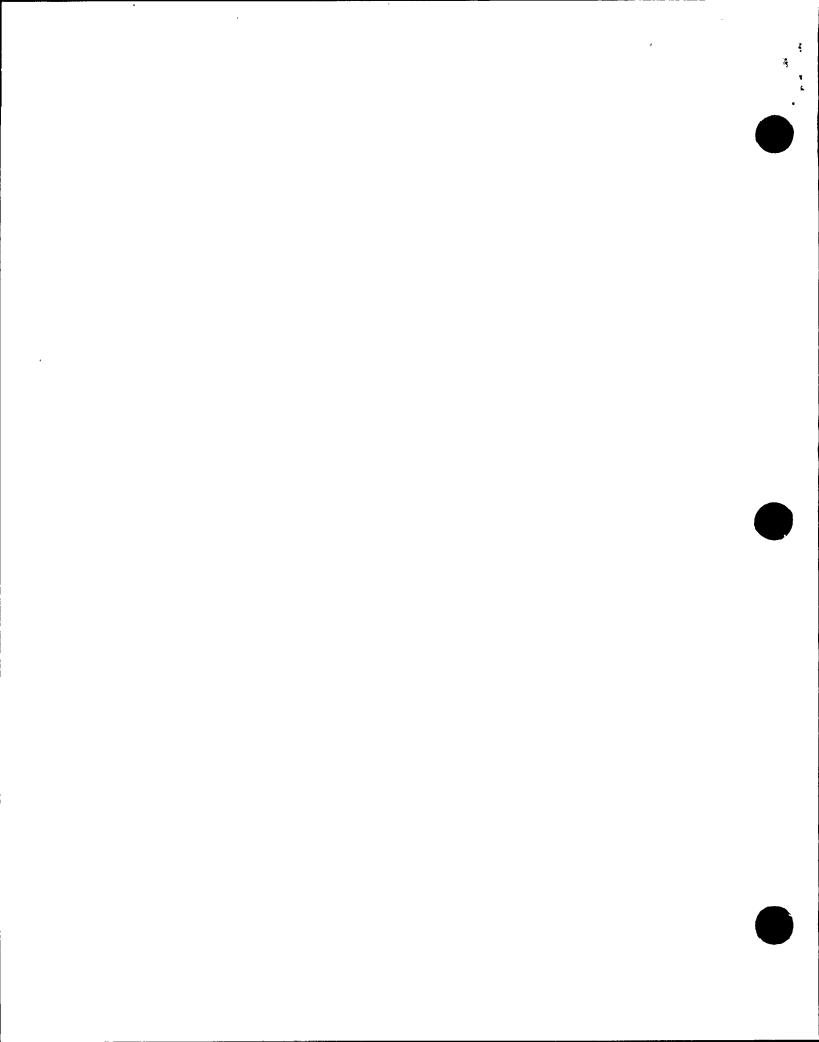
6. Ring Flange 11485122P2 SA182-7304 1" thick x 5.0 00 x 1.75 ID

7. Cap Screw 117C4516P2 SA193-25 6 em 1/2 dia. on 4 1/8 boic circle

3. Plug 175A7961P1 SA132-7304 0.38 thick x 1.307 dia.



PECYP7 Rolled before weld



and the engine

SCHAMENERGY OF VIENOR

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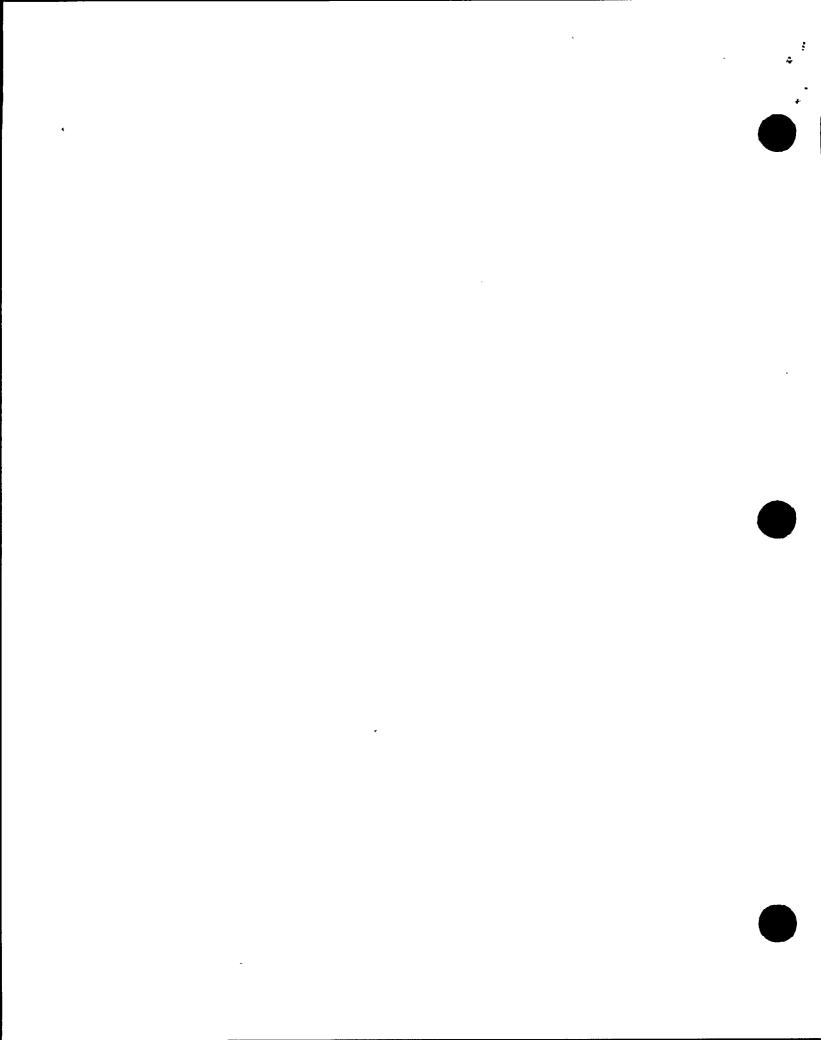
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		ge Dwg. 719E474G1	_	SERIAL N	NUMBER AS	521	آو ۽ باد ڄمعه
A A		17) plug, Dwg. 1		• **			<u> </u>
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j. 18	(Lar	ge) plug, Dwg. 1	75A7961P1.				e de la companya de l
	*a) [']	Metallurgical &	Physical Test	Cert.	Heat No. 6	35661-3	
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* QC Document for purchased raw material

시설 17 P80



PERFECT ELECTRIC

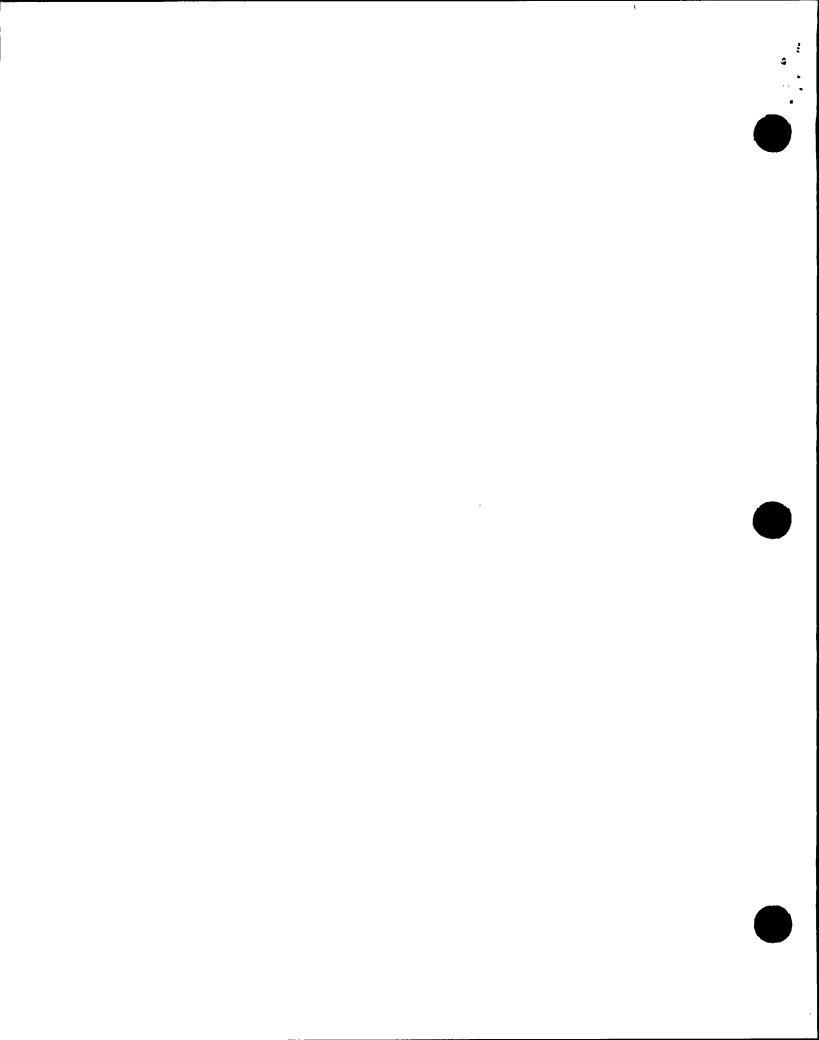
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MEVI 2

	Property Pro	OUCH QUALITY CHECKETS (CAP PE	rc. IF (Continued	
				Acceptance
				Stamp
		190610PT. SERIAL N		RI
	*a) Metallurgi	cal & Physical Test Cert.	Heat No. 636.937	niew.
	*b) Ultrasonic	Examination Cert.	42-PT-046 K	ero
4.5.25		Procedure	42-59-004 K	ev B
		NDE Personnel Ident.	D.G. Lee	
<u> </u>	*c)Liquid Pen	etrant Inspection Record	42-17-020	Les. O
	• *	Procedure	42-PA-001	
	, s	NDE Personnel Ident.	D.G. Lee	RI RI
्राष	(Large) Plug to	flange weld, Dwg. 719E474G	1 (P3 to P2)	
		Procedure 8-8 GTAW-W	7, 8-8 GTAW-W7B	•
	•	Welder Ident.	15384	_
	a) Liquid Pen	strant Inspection Record.	•	19-
•		Procedure QC	EI 676 Rev. 5.	-
• • • •		NDE Parsonnel Ident.	P39.	, , %
" 1E	(Small) Plug to	flange weld Dwg. 9190254G1	(P3 to P1) (標	
		Procedure 8-8 GTAW-W	7, 8-8 GTAW-W7A	
		Welder Ident.	13685	•
	a) Liquid Pen	etrant Inspection Record.	_	•
	¥	Procedure · QCI	EI 676 Rev. 5	•
		NDE Personnel Ident.	P39	

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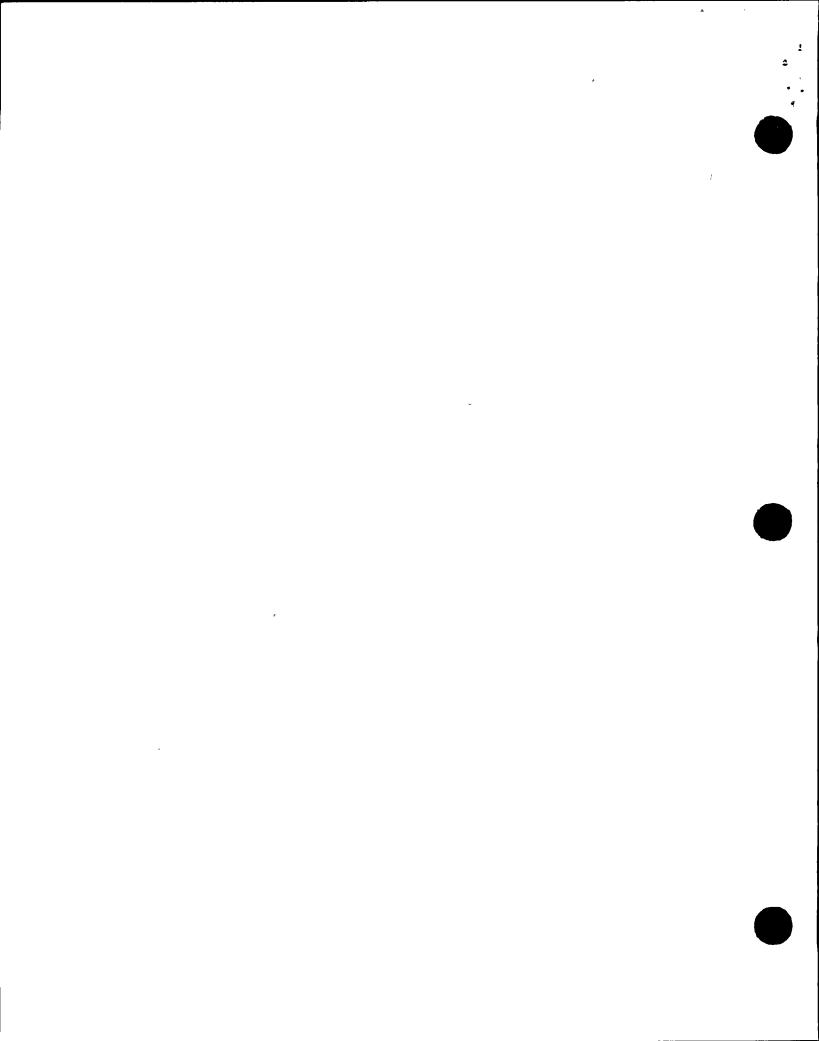
QC Documents for purchased raw material.



William Comments

17.7.0		PRODUCT QUALITY	HECKLIST - Part	II (Continue	
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74.	•	Procedure	. QCEI 676 R	ev. 5	
	ψ· ■	NDE Personnel Ide	ent.* · · ·	P39.	13T
2.	Piston Tube As	ssembly Dwg. 105064			[RI]
•	•		SERIAL NUMBER_	NA	•
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		Procedure	QCEI 576 R	ev.	
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QC Documents for purchased raw material.



GENERAL SERVICES

22**14915 P. M.** 16 IV. 2

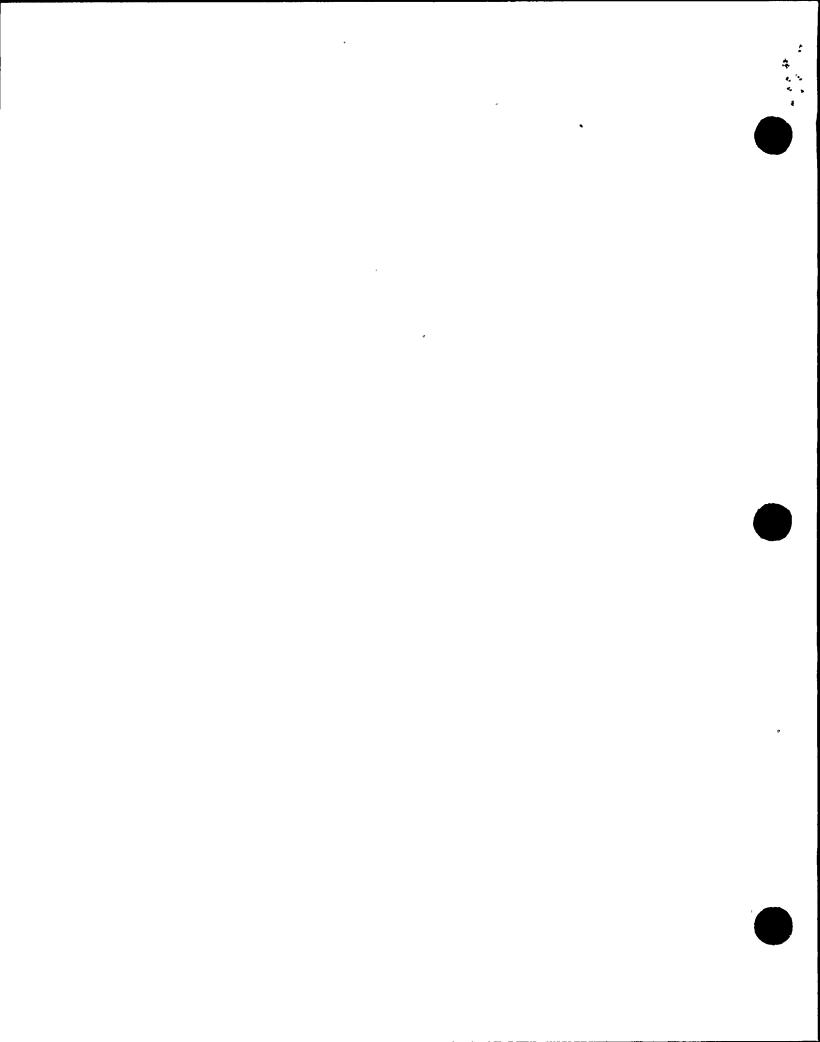
PRODUCT QUALITY CHECKLIST Part IF (Continued)

G. Hydrostatic Test Record	Acceptance Stamp
Procedure QCTI ZIT Rev.	B
7 Form N-2: Manufacturers Data Report for Nuclear Part and Appurtenance	RI
1. Cap screw, Dwg. 117C4516P2	· NA
*a) Majnetic Partial Inspection Record Procedure #a) Plantic Partial Inspection Record *B) Plantic Partial Inspection Record	- 7
NDE Personnel Ident. 2. Performance Test Report and Data Sheet	1
Procedure OCTI 707 Pour	

Record NOE personnel and welder identification symbol or number in space indicated. Stamp in "Acceptance Stamp" column indicated review has been made and requirement has been met.

AUN 17 1980

QC Documents for purchased raw material.



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• .		Service Services	will something	APARTY 7	~~~
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QV.	-	THE WIND COMME	1.000	TOWAY.	+

16840

OH FILE

QCEI 676 Rev.5

SERIAL NUMBER

VS.	Control Rod Oniver Outline Drawing 768E999	
	(Model Not 7R081440G001)	
	CORMING NUMBER: 768E534GE SERIAL NUMBER H352	
	REO RELATED, HON-CODE REQUIREMENTS	
		Acceptance Stamp
1	Outer Tube, Dwg. 11201666G1 SERIAL NUMBER //8/	1287
	Tube-Lower, Owg. 137C5658P1 SERIAL NUMBER /68/	RI
	a) Metallurgical & Physical Test Cert. Heat No. <u>D930306</u>	
18.	Spacer, Dwg. 137C5989P1 SERIAL NUMBER A1229	,
	a) Metallurgical & Physical Test Cert. Heat No. 4283	
10	Tube Upper, Owg. 137C5085P1 SERIAL NUMBER B5038	1787
	a) Metallurgical & PHYSICAL Test Cert. Heat No. 4948	RI
10	Spacer to Tube-Lower Weld, Dwg. 11201664G1	
	Procedure 8-8 GTAN-H7	
•	Welder Ident. 13667	•
ş:	a) Liquid Penetrant Insp. Report	
	Procedure QCEI 676 Rev. 5	
ing a s	NOE Personnel Ident. P19	
1E	Tube Upper to Tube Weld, Dwg. 112D1666G1	RI
	Procedure 8-8 A-GTAW-W2	1,

PRODUCT QUALITY CHECKLIST - Part III

* QC Documents for purchased raw material.
** Indicate appropriate alternative.

Nitride Run No.

Welder Ident.

NDE Personnel Ident.

*a) Metallurgical & Physical Test Cert. Heat No.

Procedure.

a) Liquid Penetrant Insp. Report

Index Tube, Dwg. 10506043P6 or P8**

Ultrasonic Examination Cert.

अव 17 भक्ष

X RI

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Date <u>6-16-8</u>7

GENERAL ELECTRIC COMPANY

TILMINGTON MANUFACTURING DEPARTMENT

	conducted per QCTI* 2/5 Rev	*	23-7
In	formation to be entered by tester.		र ्ट्राइस्क
	REQUIREMENTS	RESULTS	
	Pressure <u>1825-1875</u> psig	Pressure* 1850 psig	
	Ouration 10 minutes minimum	Ouration: Time in*	١
	•	Time out* 11:30 Elapsed time* 10:30	
	No visible leaks	Write "no leaks" if no leaks found:	
	performed and witnessed*	1.1380	

FORWARD THIS FORM, WHEN COMPLETED, TO THE QA RECORDS CENTER.

Report reviewed by

•

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

n===							
1. Own		awk Power Corpor	ration	Date _	March 2	0, 1997	
	Nine Mile Point	P.O. Box 63 Lyco	oming N.Y.	13093 Sh	eet	of	1
2. Plan	Nine Mile Na	Point me		Unit	<u> </u>		
<u>P.O.</u>	Box 63 Lycomir Addr	ng, New York 130 ress	093	<u>M</u> Repai	lech. Ma ir Organi	int. Work Order No. 2	96-03851-0
	Nine Mile Point I	Niagara Mohawk Name P.O. Box 63 Lycon Iress m CRD CONTRO	ning N.Y. 1	3093 Authori Ex	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	pplicable Constru pplicable Edition	of Section XI Util	B31.1 ized for Rep		ts 19 <u>83,</u>		— le Case
e 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
38-	General Electric	71-658	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
				,			
per ASN	ME Work Plan in	Replace Control Ro Work Order 96-0	od Drive with 3851-00 at c	n rebuilt spare as pa ore location 38-15.	rt of prev	ventive maintenance. R	eplaced Cl
	Conducted: Hydrostatic Pi	neumatic 🗆 Nomi	inal Operatin	ng Pressure 🗆 Te	st Proced	dure: <u>N1-IST-LK-101</u>	
		ssure <u>1044.6 PSIG</u>	•	•	o F		-
VOTF+	Sunnlemental el	heets in form of I	liete ekatak	nes or drawings r	nav ha :	used, provided (1) siz	va ic Q 1/-
11:-	(2) information		inota, and to	ico, or diawings i	ing a ne r	naca, brokinea (1) 214	.G 13 O /2

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.



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-658 replaced by serial no. 71-564. VT-2 per NDE Report No. 1-2.01-97-0136.

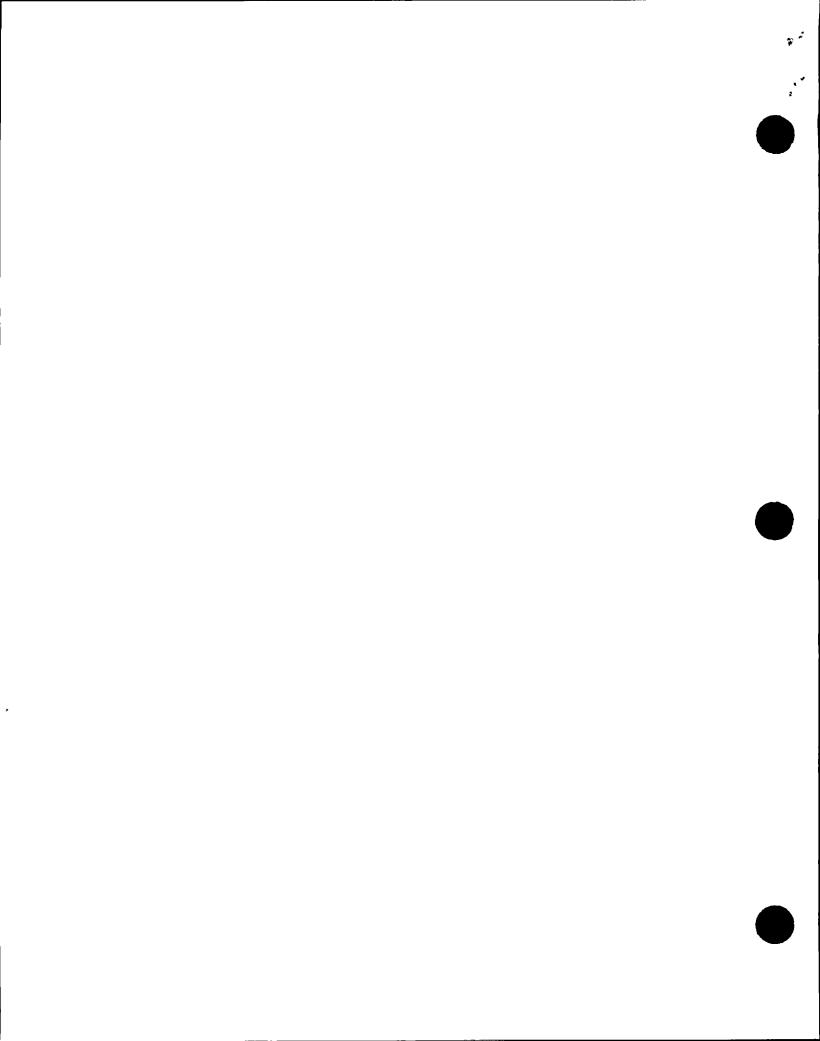
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.					
Type Code Symbol Stamp None					
Certificate of Authorization No None Expiration Date None					
Signed Stare Sub Mund Munuger Date 7.21, 19 17					
)					
•					
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 U115 16 to 7123 17, 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 NB 8496 NY 2812 National Board, State, Province, and Endorsements					
Date 7/23,1997					

(12/82)

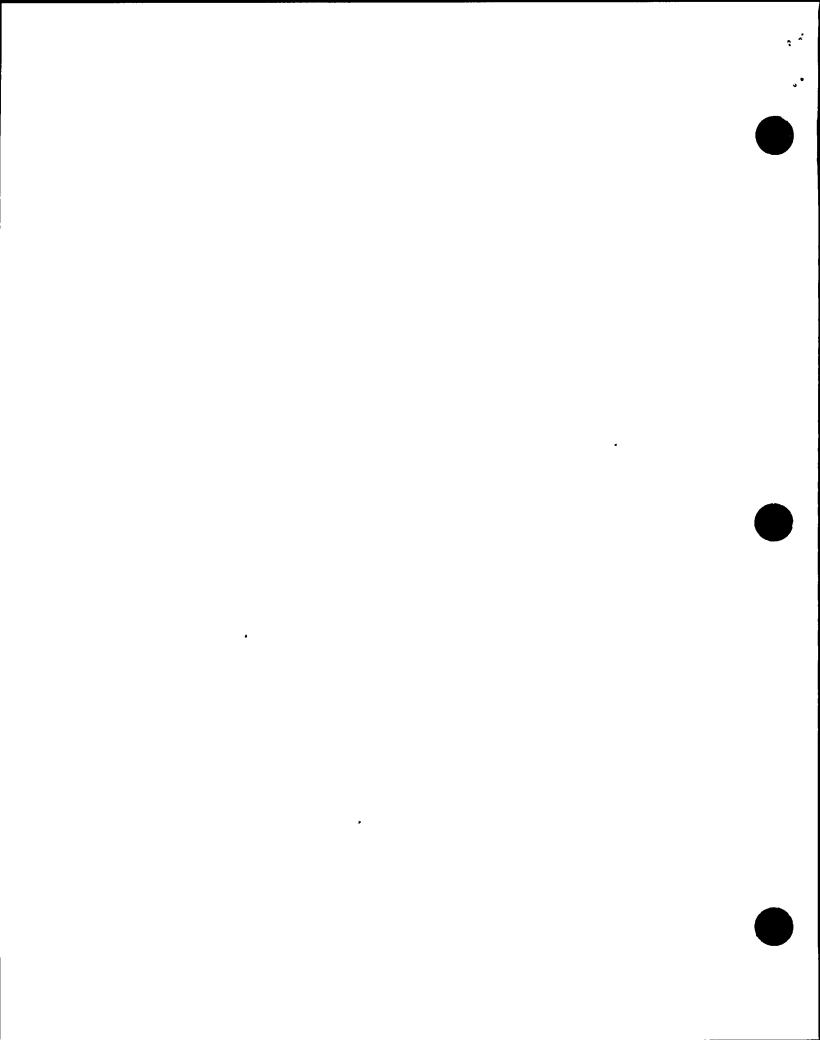
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

129	
Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose; California (Name and address of meandacturer of port)	
(b) Manufactured for Stock item - standard part for use with GE Boiling Mater Reactor at (Name and address of mondacture of boiler or vessel) Ningra Mohnuk lin	
2. Identification-Manufacturer's Serial No. of Part # Please see serial rambors below	17.5
(a) Constructed According to Blueprint No. 237E179 G1 . B.P. Prepared by GE, APED: D.L. Peterson	•
. (b) Description of Part Inspected Control Rod Drive '	
3. Remarks Fabricated and inspected in accordan co with Section VIII and applicable nuclea	LT_
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated	•
July 14, 1966.	Ę
See sketch showing configuration and materials used. Hydro tested at 2110 psi	35
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and	
workmanship of this vessel conform to the ASME Code.	
Date July 25 19 67 Signed General Electric Co. 114 JUS (Representative)	<u> </u>
itificate of Authorization Expires December 31, 19 67	•
CERTIFICATE OF SHOP INSPECTION 1, the understand, holding a raild consistion issued by the Notional Board of Holler and Pressure Vessel Inspectors and/or the	
state of CALIFORNIA and employed by Division of Industrial Safety et	ı
. Department of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data report on	- 1
and belief, the manufacturer has constructed this port in accordance with the applicable sections of the ASME Boiler and Francisco	
Vessel Code. Dy signing this certificate, neither the Inspector nor his employer makes any morrowty, expressed or implied, concerning the part	
described in this manufacturer's pertial data report. Furthermore, neither the inspector nor his engineer shall be liable in say menors	:-
for any personal injury or property damage or a loss of any hind arising from or connected with thir inspection.	
Date	
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71: - 334/337/338/341/348,349,368/390/3991410,417,418,428,430,434/436,440,442,449,457,46	3
463)461)468)471)472)473,474)475)476)481)488;494,492)501)5037511(514)519,521)529)53 540)643)652)655(556)562)563)564)566)569)5724573)578)582)583)583)585)595)596)617)62	梁
627/678163016331635/63676381639/640/6447645)640,649/650/651/658/659/6611663/665/66	ळ
671 676 678 (632 170) (705 707 1719 722) 729 729 729 729 729 729 729 729 729 729	`\
198(526)(560), 1592(614)(23)(634)(723)	': .i
4) (H) (H) (H) (H) (H) (H) (H) (H) (H) (H	
	3



THIS FORM	HOT APPLI	CABLE -	SEE BLUI	PRINT 23	हिर्म वर्षे	und skerch	shells of hear e	rchanna
4. SHELL: Material Kinc	d end Spec. Ne.)	T.S. (Fig. or F.)	D. a Spec. Min	Thickness .T.S.) "	la. Allowa	aceIn. Diam	Ft Ia. Le	mgth_Ftit
EAMS: Long (Welded, Dul., 3	· !!	1.T	X.R.	**	Sectioned	Ellicien	ry	if riveted de-
(Aridra, Doi., s	ingie. Lap, Dott)	(***	or 20031	Ober of Cembre	(4)		ourses	LETTA OF LG-
G. HEADS: (a) Material_		1.T	X.R.	(b) Verei	Sectioned	No. of C	ourses	T C
L . Location (Top, bottom, ends) Thi								de to Pressure
<u>%</u>)								**************************************
(b)							•	·
Il removable, bolts us					stening	(Describe or At)	ach (basch)	
7. STAYBOLTS:								iam.
•								
8. JACKET CLOSURE:		(Descen	be as eger &	weil, bar, erc.	ll ber, give dim	resions, if believe.	describe or sketc	h)
9. Constructed for max. allowable working pre	125	0	. psi at ma:	temp <u>57</u>	5°F.	Min. temp. (who leas than -20	£3	°;
Items 10 and 11 to be con								
10. TUBE SHEETS: Stati	onary. Materia	1 - Rind & 3	Spec. 33.1	(S	iam. ubject to Press	n. Thickness_ urr)	In. Attachme	nt (Welded, Bolted
Floa	iting. Materia	.1	_	n	iam 1	n. Thickness_	In. Attachme	nt
	•	(Kind & S	Spec. N	•	loches		•	
11. TUBES: Material (Kin	d & Socc. No.)	.1)	in. Th	ickness	OI GAR	Number	Гуре	(Secretary Section
sems 12-15 incl. to be c	completed for in	nner chamber	es of jacket	rd vessels, or	channels of h	est eschangers.		
SHELL: Material (Kin	id and spec. No.	T.S. (FIG. 00 F.)	0, h spec. Vin	Vominal Thickness .T.S.:	_in. Allowan	n ceIn. Diam.	_Fsla. Leng	thFt1
FANS: Long Welded, Dbl.,								I II fivered de
94.								Treme alde u
बूँहैं Girth 4. HEADS: (a) Vaterial.		11.7	X:R.	· · · · · · · · · · · · · · · · · · ·	Sectioned	No. of c	omics	form.
4. HEADS: (a) Material,		1.5.				(c) Mate	rial	.T.S
· Location	Thickness	Crawn Kadiuo	Knuckle Redius	X!liptical Ratio	Conical Apra angi	Homiopherica e Rádius		lide to Pressur envez er C'enca
(a) Top. bittom, ends	·	<u> </u>					·	
(b) Channel						 	· · 	
(c) Floating If removable, bolta u			·		_ ~		-	
it temotable, botta u	,	tarran. Bree.	. No., T N . 31	न अज्ञाना 🖰	· 		· ·	
(c))			0	ther lastening	777-5-78-2-1	Alleck Material	
15. Constructed for max.	•					Min. temp. (when	•
sallowable working pr			poi at mas	resul-		F. less than -	.2001	
ems helow to be compl	cted for all se	secle where	applicable			•		· · · · · · · · · · · · · · · · · · ·
6. SAFETY VALVE OF	UTLETS: Nur	abet		Sia	e	Lo	Ation	
				•	••	~	Reinfartement Motorial	How Attached
7. NDZZI ESI Purpess (Inlete Outlet, Drain)	Number .	Diam. + \$12	e . In	rð M	eterial	Thickness.	MAN AA MA C	
Purpose (Inlete	Number :	Diam. wills	برئ ^د در	rð 4		INGRAGO		• • • • • • • • • • • • • • • • • • • •
Purpose (Inleta	Humber	Dies. 481a		,		Thickness .		
Purpose (Infer-	•			H H		THEFACE		
Purpose delet. Ointel, brain, 3. INSPECTION Manh	iales, No.				Location	THEFTON		
R. INSPECTION Manh	•				Location	INCHASE		
R. INSPECTION Manh	inoles, No		Size		Location	Cher		ched

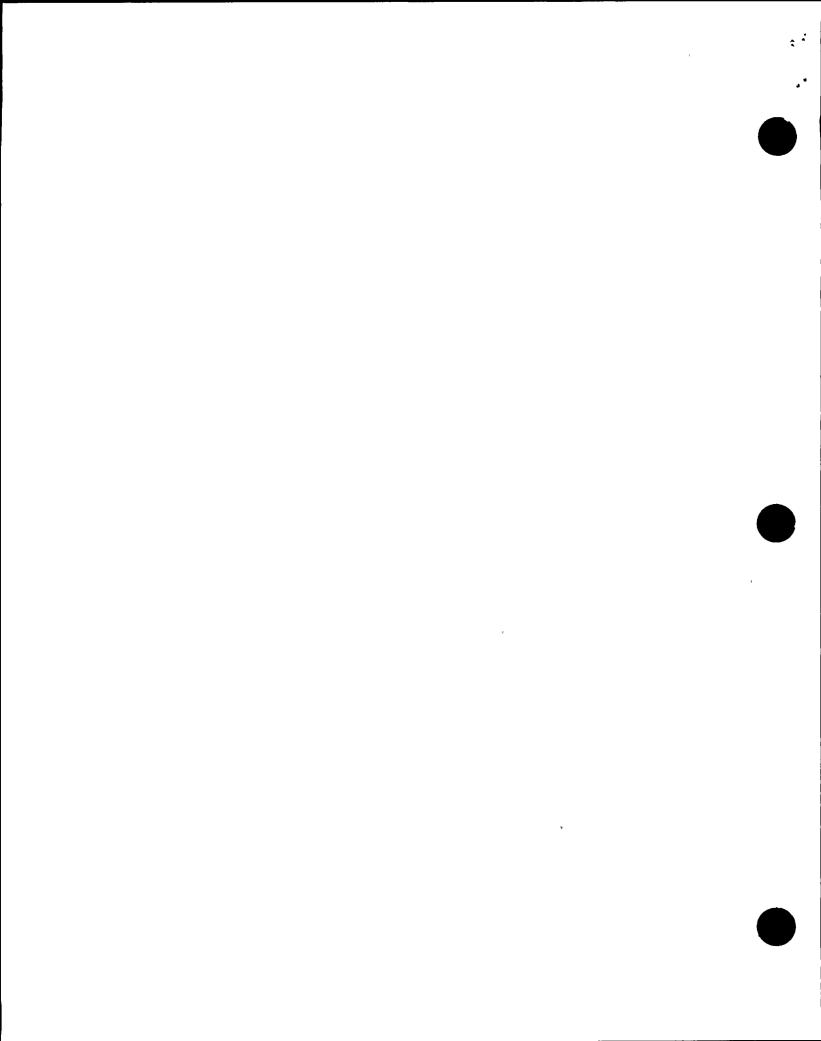


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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

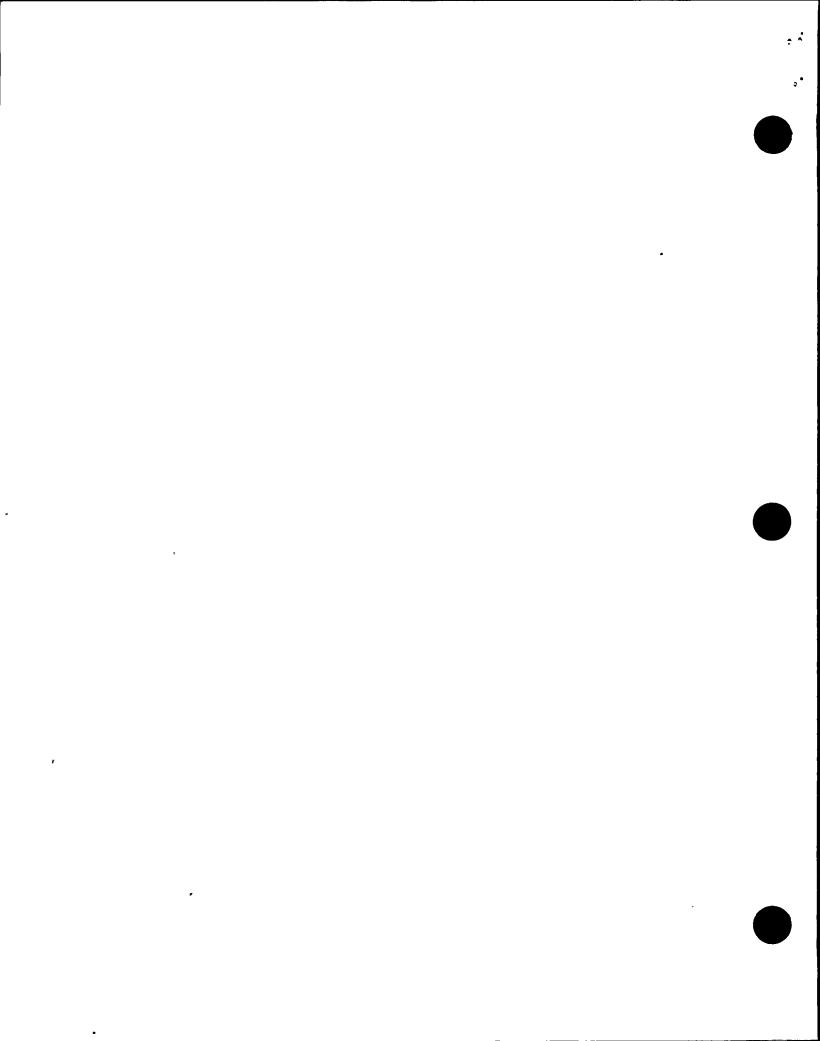
A Part of an I offred Pressure Vessel Fabricated by One Manufacturer for Manufacturer

1. (a) Manufac	General Electric Co., APED, 175 Curtner Ave; San Jose, California
	(None and address of manufactures of part) ctured for Stock item - standard part for use with GB Boiling Water Reactor at
(b) Manufac	(Name and address of manufactures of bottles for rease NIRER MONEY UNIT
2. Identificati	ion-Manufacturer's Serial No. of Part 71: -34367479579599 ASD 538 641 539 551 561 655 67
· (a) Constitu	acted According to Blueprint No. 237E179 Gl 8.1. Prepared by GL, APED: D.L. Peterson
(h) Descrip	otion of Part Inspected. Control Rod Drive
3. Remarks _	Fabricated and inspected in accordance with Section VIII and applicable nuclear
code ca	ises (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14	, 1966.
See ske	etch showing configuration and materials used. Hydro tested at 2110 psi
	
	that the statements made in this magnifacturer's partial data report are correct and that all details of materials, construction, and of this vessel conform to the ASME Code.
•	ly 31¢ 19 67 Signed General Electric Co. (Keppessentation)
	of Authorization Expires December 31 19 67
Tillicate of	I Authorization Expires
· ·	CERTIFICATE OF SHOP INSPECTION
77:	1. the understaned, halding a valid commission issued by the National front of Body fand Pressure Vescel lastractors and for the
7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ete et CALIFORNIA end employed by Division of Industrial Safety
1 5	epartment of Industrial Relations have inspected the part of a pressure vessel described in this
	enulacturer's partial data report on
	nd belief, the manufacturer has constructed this port in accordance with the applicable sections of the ASME Boiler and Prosours
	By signing this certificate, newher the inspector nor his employer makes any marranty, especiated or implied, concerning the part
d	escribed in this manufacturer's partial data report. Furthermore, neither the dispective nor his employer shall be liable in any manner
	or any personal injury or property damage or a loss of any kind arising from ar connected with this inspection.
,	one
.	Thepother's Signature Commissions [7 4 97 3 6 Not'l Bland or Rists and No.
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ms 4-9 incl. to be con	pleted for sin	ele wall vesse	els (such as a	iir tanks), jaci	cers of jacke	ted acrecia. ut	shells of heat t	exchangets.
. SHELL: Material (Ki	NI anil Sper. Nu	T.S. (Fig. or F.D	. & Spec. Min.	Thickness T.S.)	<u>. l</u> a. Allowai	iceIn. Diam.	F IA. L	ength_Ft.
CEANCAL CO.	•	11.7	YD		Sectional	Ellicienc	v 2	If riveted de
SEAMS: Long welded, Dol.	Bingle, Lap. Bu	(Yee o	Moli U	pot of Complete) COMMITTEE	e or No)	, 	fully on re
Giah		и.т	X.R.		Sectioned	No. of Co	ourses	form.
Girth		T.S.		(b) Materia	ı			T.S
Location . (Top, button, ends) T	hickness	Crewn 1 Redius	Knuckle Rodaus	Elliptical Retie	Control Apex ongle	Hemispherical Redius	Flat S Diameter (Co	ide to Pressu mess of Conca
(a)								
(b)								•
If removable, bolts u	sed Waterial.	Scec. No. 1.3	dize, Number)	Other fast	ening	(Describe or Alle	ech Sketch)	
								liam.
. STAYROLTS: (Wat	erial)	(Size of	Hole)	(Theeaden,	<u>भगवन्यः</u>	(Harren)	(Ven.)	(House
R. LACKET CLOSURE	•							
B. JACKET CLOSURE		(Describ	** ** *** *	eld, bar, etc. li	ber, give dime	netene, if belted,	describe er aket	ch)
9. Constructed for max allowable working p	ress.41	250	psi at max	. remp57	<u>5</u> °F.	less than -200	" "	
ems 10 and 11 to be co								
4								
O. TUBE SHEETS: Sta	tionary. Mater	ial - Rind S's	0.00	Dia	ım. <u> </u>	n. Thickness	In. Attachm	cnt (Welded, Uol
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` 1·1e	vating. Mater	rial.—(Kins & 3	pec. 85.7	, Di.	ا ا	n. Thickness	In. Attachm	eat
•					Inches	•	· T.o	
		/ \ 		alaaca	. as Gase	Vumber		
1. TUBES: Material (K	ind A Spec. No.	O.D	la. Thi	chness	OF GARE	Number	- / 'N'	(अल्प्स्म कर
to me 11 .16 incl to he	annotated for	, inner chamber	ea ist sackete	d vessels, or :	channels of h	CAL CEL DADECIS.		
tome 11 .16 inel to be	annotated for	, inner chamber	ea ist sackete	d vessels, or :	channels of h	CAL CEL DADECIS.		
12-15 incl. to be	completed for	T.S. (Fig. or F.)	rs of tackete N T J. & Spec. Hin.	d vessels, or deminal hickness	Corrosio La. Allawan	ear exchangers. en ceIn. Diam	_ FtIn. Len	gthFt
UIII.L: Material	completed for	T.S. (Fig. or F.)	rs of tackete N T J. & Spec. Hin.	d vessels, or of commal hickness	Corrosio La. Allawan	ear exchangers. en ceIn. Diam	_ FtIn. Len	gthFt
JILLL: Material (K	completed for ind and Spec. N I., Single, Lap,	T.S. (Fig. or F.)	Is of jackete N T I. h spec. Hin. FF No. 1	d vessels, or commal hickness	Corrosional Allowan	en ce	_ ftIn. Len	igth. Ft. If riveted seribe ser fully ser verse sid
JILLL: Material (R 3. SEAMS: Long (Welled, Dr)	ind and Spec. S	U.T.	y of jackete N T 1. 6 Spec. Bin. er No. 1 X.R.	d vessels, or complete to the control of the contro	Corrosional Allowan	en ce langers. celn. Diam Filicier	ftIn. Len	If rivered scribe as fully on verse aid from.
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JIELL: Material (R. 3. SEAMS: Long (Welled, Dh. Welled, Dh. 1. HEADS: (a) Material Lecation (a) Top. bottom, entit) Channel (c) Floating H removable, bolts	ind and Spec. N	II.T. Covernal, Spec.	y of jackete N T J. & Spec. Hin. or No. 1 X.R. N.R. (b) M Kn arkie	d vessels, or demand hickness	channels of h Corrosio _la. Allowan sectioned _TY sectioned _TY	ear exchangers. in celn. Diam. Flicier No. of c (c) Wate Homisphorica Radius	ftin. l.en ncy	If riveted scribe or fully on vera aid form. Table Side to Press
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JIELL: Material (K. 3. SEAMS: Long (Welded, Dr. Welded, Dr. Welded, Dr. Lecation (a) Top. bottom, en (b) Channel (c) I-loating If removable, bolts allowable working I tems below to be con	completed for ind and Spec. No. Single, Lap. Thickness ds	II.T. (Yes II.T. T.S. Crown Redina	or No. Y S . Sie pal at max applicable.	d vessels, or commal hickness	channels of h Corrosion In. Allowan Sectioned TY Sectioned T-S. Control Arra and	No. of c (C) Wate Homisphorics Radius (Describe or Min. temp. (c)	The Their	If riveted seribe ser fully on verse sid form. T.D. Side to Press
JILLI: Material (R. 3. SEAMS: Long (Welled, Dh. Welled, Dh. 4. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts allowable working Is. Constructed for material (c) Floating Is removable working Is. Constructed for material (c) Floating Is removable working Is. Constructed for material (c) Floating Is. Constr	completed for ind and Spec. No. Single, Lap. Thickness ds	II.T. (Yes II.T. T.S. Crown Redina	or No. Y S . Sie pal at max applicable.	d vessels, or commal hickness	channels of h Controlic In. Allowan Sectioned TY Sectioned Ty Control Area and	No. of c (C) Wate Homisphorics Radius (Describe or Min. temp. (c)	ourses rial Plat Diameter (6 Alloch Melch) when 200	gtho
JIELL: Material (R. 3. SEAMS: Long (Welled, Dh. Welled, Dh. 4. HEADS: (a) Material (b) Channel (c) Floating If removable, bolts allowable working litems below to be con 16. SAFETY VALVE 17. NOVII FS:	Thickness a seed (a) press * pleted for all OU: FLUTS: N	II.T. (Yes II.T. T.S. Crown Redina	y of jackete N J. & Spec. Min. OF NO. 1 Kn. white Redina Pal at max applicable.	d vessels, or commal hickness	channels of h Corrosion In. Allowan Sectioned TY Sectioned T-S. Control Arra and	No. of c (C) Wate Homisphorics Radius (Describe or Min. temp. (c)	The Their (gth. Ft
JILLL: Material (R. 3. SEAMS: Long (Welled, Dh. (Welled,	completed for ind and Spec. No. Single, Lap. In. Single, Lap. Thickness ds used (a) press 3 pleted for all OUTILITS: N	II.T. T.S. III.T. III.T. T.S. Cown Redina (Querial, Spec	y of jackete N J. & Spec. Min. OF NO. Y. R. OF NO. Y. R. Pal at max applicable.	d vessels, or commal hickness	channels of h Corrosional In. Allowan sectioned IV sectioned IV Control Area angle her fastening	(Describe or Min. temp.) (Describe or Min. temp.)	Allach Merich) when cation Residencement	gth. Ft
JIELL: Material (R. 3. SEAMS: Long (Welled, Dr. 4. HEADS: (a) Material (R. Lecation (a) Top, bottom, end (b) Channel (c) Ploating If removable, bolts 15. Constructed for manual towards working (I) the movable working (I) the movable of the continuation of the co	Thickness a seed (a) pleas 4 pleas 4 pleas 5 Number	II.T. T.S. II.T. T.S. Coven Redius (Queenal, Spec	y of tackete N I. h Spec. Min. OF NO. 1 Kentale Reduce Pal at max applicable.	d vessels, or commal hickness	channels of h Controlic In. Allowan Sectioned Ty. Sectioned Area and	(Describe or Min. temp.) (Describe or Min. temp.) (Thickness	Allach Meich) Cation Reinforcement Material	gth. Ft
JELL: Material (R. 3. SEAMS: Long (Welled, Dr. Welled, Dr. Welled, Dr. Lecation (a) Top, bottom, en (b) Channel (c) Floating If removable, bolts allowable working (co. SAFITY VALVE 17. SOZZI FS: Propose (Intern)	completed for ind and Spec. No. Single, Lap. I Single, Lap. II	Inner chamber T.S. (Fig. of F.1) II.T. T.S. Crown Redina (Carerial, Spec.	pal at max	d vessels, or commal hickness	channels of h Controlic In. Allowan sectioned TY sectioned Area angle her fastening	(Doscribe or Min. temp. (**) (Doscr	The Dissert (1) Alloch Meich) when cation Reinforcement	gthFt If riveted scribe are fully an verse side form. T.N Side to Press convex or Convex.
JIELL: Material (R. J. SEAMS: Long (Welded, Dr. Welded, Dr. Welded, Dr. Lecation (a) Top. bottom, ent. (b) Channel (c) I-loating If removable, bolts (c) I-loating If removable working (c) I-loating	Thickness ds pleted for all OU: F1.1: TS: Number	Inner chamber T.S. (Fig. of F.) II.T. T.S. Count Reding (Queenal, Special where Sumber	pai at max	d vessels, or commal hickness	channels of h Controlic line Allowan sectioned TY sectioned TY sectioned Area and the section her fastening there is a section and the section her fastening the section her fastening the section and the sec	(Describe or Man. the state of	Think Diameter (Cation	gtheFte If siveted scribe see fully on verse side forms. Side to Press convex or Con How Attache
Constructed for mallowable working 15. Constructed for mallowable working 16. SAI-LTY VALVE 17. NOVALES: 18. Constructed for mallowable working 18. Constructed for mallowable working 19. Constructed for mallowable working 19. Constructed for mallowable working	Thickness ds pleted for all OU: F1.1: TS: Number	Inner chamber T.S. (Fig. of F.) II.T. T.S. Cown Redina (Qarerial, Spec.	pal at max applicable.	d vessels, or commal hickness	channels of h Controlic line Allowan sectioned TY sectioned TY sectioned Area and the section her fastening there is a section and the section her fastening the section her fastening the section and the sec	(Doscribe or Min. temp. (**) (Doscr	Think Diameter (Cation	gthFt If siveted scribe ser fully ser side form. T.N Side to Press convex ser

[!] If postable heat-treated.
*List under stem 3 other sciences or reternal presource with entachtent temperature when applicable.



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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

	=
1. (a) Manufactured by General Flectric Co., APED, 175 Ourtner Ave: San Jose, California	
(b) Magnifactured for Stock iten - standard part for use with GE Boiling Nater Reactor at Nieg	Æ
2. Identification-Manufacturer's Serial No. of Part 71: - 484), 539	-
(a) Constructed According to Blueprine No. 237E179 G1 B.P. Prepared by GE. APED: D. L. Poterson	
(b) Description of Part InspectedControl Rod Drive	
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear	
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated	
July 14, 1966.	
See sketch showing configuration and materials used. Indro tested at 2110 psi	
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and	
workmanship of this vessel conform to the ASME Code.	
Date August 8 19 67 Signed General Electric Co. 11, -7; (1: Trailie	- 2
officate of Authorization Expires December 31 19 67	
	7
CERTIFICATE OF SHOP INSPECTION	١
1, the undersigned, holding a valid commusation issued by the National Board of Reliance Pressure Vessel Inspectors and/or the state of CALIFORNIA and employed by Division of Inchistrial Sufety of	
Department of Industrial Relations have inspected the part of a pressure seased described in this manufacturer's partial data report on	
and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASUF Hailer and Fressure	
Vessel Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part	ļ
described in this manufacturer's partial data report. Furthermore, neither the inspector nor his employer shall be liable in any manner	
for any personal injury or property Jamage or a loss of any kind arising from or connected with thir inspection	
Date 12 Commissions (63 (7) & Mais and No.	

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THIS FORM NOT APPLICAB IN O SELL HUMERRING PROTEITS AND SKETCH

ems 4-9 incl. to be completed f	or single wall ve	ssels (such as ai	r tanks). jack	ers of lacke	red vestels, or sl	hells of hear	exchangers.
			ominal	Corros	ioa .		
SHELL: Material (Kind and So	re. No.) (Fig. or	F.B. & Spec. Min. T	hickness .s.)	_in. Allowa	nceIn. Diam	_Ft In. L	cngth_Fi_1
BEAMS: Long (Welded, DSI., Single, Co.	11 T		c	اسمعاممها	Ellisianau	4.	If elveted de-
(Welded, DSI., Amere, C.	(P. Butt) (Ya	GE) HON TO B	or or Complete)	Sectioned (A	(ek. so es		fally on re-
Gimh	II.T.	x.r.		Sectioned.	No. of Cou	rses '	form.
Girth 	T.	.5	(b) Material				T.S
Location (Top, bottom, ends) Thickness	Cruen Redius	Knuckle Rednis	Kiliptical Katio	Conkel Apex engle	Hemisphern al Redius	Flat S Dismeter (Co	ide to Pressure
(a)							
Il removable, bolts used IMA	erial, Spec, No. T.	S., Size, Number)	Other faste	ming	(Describe or Attac	h Sketch)	
STAYBOLTS:	If hollow_	Attachment	(Threaded,)	भ्रम्बर्ग Pi	tch (Horiz.) X	· (V+n.)	liam. (Nominal)
B. JACKET CLOSURE:	1000	(FID4 00 0640 E NO	ld. bar. etc. U	ber, elve dim	inctone, il belied, d	rocribe er oket	ch)
9. Constructed for max. allowable working press.	1250	pei-at max.	575 cmp575	°F.	Min. temp. (when less than -20)		°
ems 10 and 11 to be completed	for tube sections	٠.				·	
O. TUBE SHEETS: Stationary.	Material _ =====		Dian	n,	In. Thickness	_In. Attachme	ent
	Kind	x 3646. Va''	יַכּשׁבּוּ	1462 TO 1-1448			(meined, tiotte
Finating.	Material Kini	£ 30+c. No.)	Diac	<i>y</i>	In. Thickness	_ In. Attachm	rnt
11. TUBES: Material (Kinta Spectrum 12–15.incl. to be completed	O.D.	In. Thic	kness	Inches or Gage	. Number		जिल्लास्ट्रस्ट
tems 12-15, incl. to be complet	ed for inner cham	bers of jacketed	vessels, or c	hannels of I	icat eschangers.		
12. SHELL: Material	~ c	No.	minal	Carrosi	m	to to too	
Kind and Si	रता हाता । विद्यास	P.B. Aspec. Min. T	.3.)	in. Viiomat	,in, (//4m, ,	rt in. Len	Kin- Ft-
15. SEAMS: Long (Welded, Dol., Single,	Leption II.T.	**************************************	ज वर दर्जुका र (है)	ectioned	For Ho, Tillicienc	Y !!	serbe seam fully on th
Girth	11.T	X.R	×	ectional	No. ul con	M464	fern.
14. HEADS: (a) Material	T.S	(b) \$(a)	ictial	T.\	, (c.) Mateti	al	T.S
Location Thicks	Cze nn 1844 Xadius	Knuckle Rodius	E'liptical Ratio	Consal April ang	. Hemispherical le Hadius	Plat Diameter (C	Side to Pressur 'extest of Core
(a) Top. huttom, ends							
(b) Channel				•			•
(c) Floating If comovable, bolts used (a)	· · · · · · · · · · · · · · · · · · ·		(b):	•			***************************************
If temovatile, that's died in	<u>्राप्त्रजनाताः</u> इत	क्टास्ट्रान्स्याकाक.	अक्रकररा "		-	······································	
(c)			Oth	er fastening	TO SERVICE TO THE		
15 Conservered for max.			•		Min. temp. (w)		
allunable working press 4.		pai at maxi-	спр		°I'. less than -30	ΪÏ	
items below to be completed he		res applicable.			 		
				*	•		
16. SAFETY VALVE OUTLET	S: Number				1.14CA	tion	
17. NOZZI ES: Prepose (Inlet, Outlet, Drein) Number	Diam, et	Sire Type	Mete	mat	This knees	tomforcon-m Material	Attache
parameter is contamposed betterformerisation							•
18. INSPIR FION Manholes,	 No	Sire		ormion			
	No						
Threaded,	No	١٨٢	, 1.	marion			
19. SUPPORTS: Skin Trees	erson Luga	THICKER =	. l.vxs	#2555.1	, thice, - Dee	ieraot , Att	Ached was
(174 (fil presente he		•		,544		१ स सम्बद्ध व

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

As Required by the Provisions of the ASME Code Section XI

	Nine Mile Point	P.O. Box 63 Lyco	ming N.Y.	13093 Sh	eet	of	_1
2. Plant		Point me	 	Unit1	<u> </u>		·
	Add	ng <u>, New York 130</u> ress		Repai	ech. Ma r Organi	int. Work Order No. zation P.O. No., Job N	96-03855-0 lo., etc.
3. Worl	k Performed By _	Niagara Mohawk Name	Power Con		-	bol Stamp <u>N/A</u>	
		<u>P.O. Box 63 Lycor</u> Iress	ning N.Y. 1	3093 Ex	piration	o. N/A Date N/A	
5. (a) A (b) A	pplicable Construpplicable Edition	of Section XI Util	B31.1 ized for Rep		s 19 <u>83</u> ,		le Case
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
RD 38-	General Electric	71-707	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
				*	,		
					•		
7. Descriper ASM	ription of Work] ME Work Plan in	Replace Control Ro Work Order 96-0	od Drive with 3855-00 at c	n rehuilt spare as parone location 38-31.	rt of prev	ventive maintenance. R	Replaced Cl
8. Tests	Conducted:						
I	Hydrostatic 🗆 P	neumatic 🗆 Nomi	inal Operatin	ng Pressure 🗆 Te	st Proce	dure: N1-IST-LK-101	_
	Other Pre	ssure 1044 6 PSIG	Test Tem	p. <u>226 Deg.</u>	o F		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-707 replaced by serial no. 71-501. VT-2 per NDE Report No. 1-2.01-97-0136.

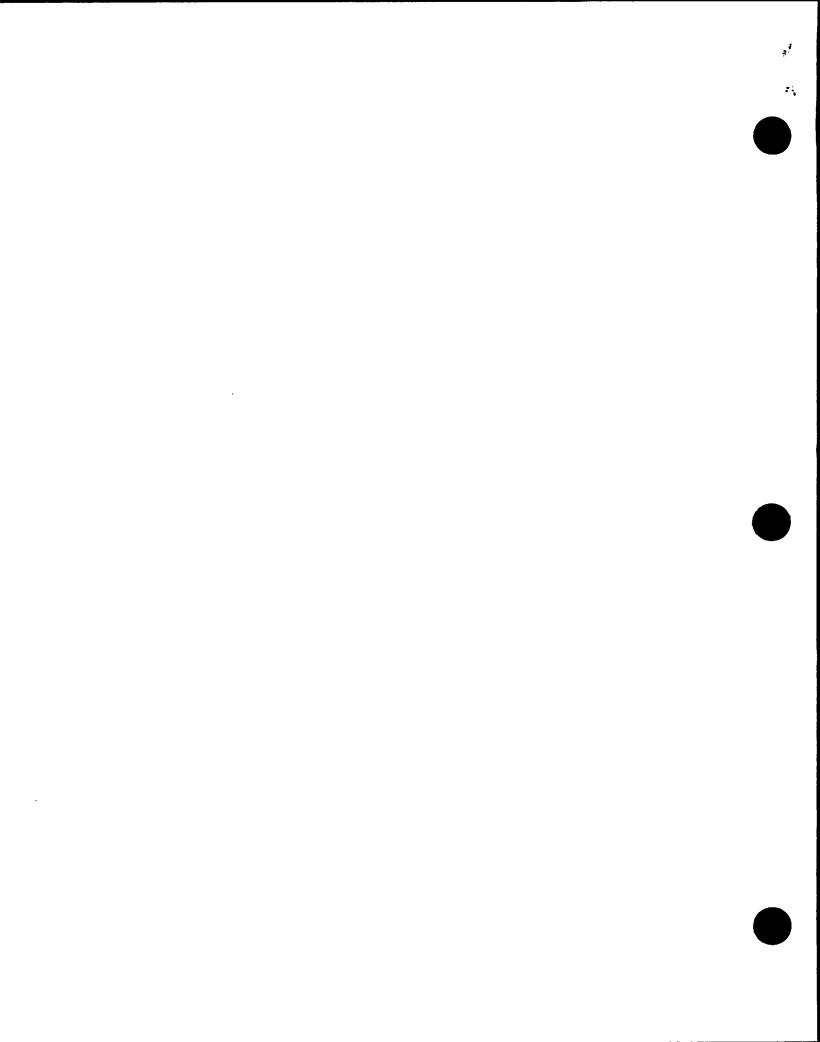
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the 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 1115196 to 712397, 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.
Zon D Order Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements Date7/23,1997
Date

(12/82)

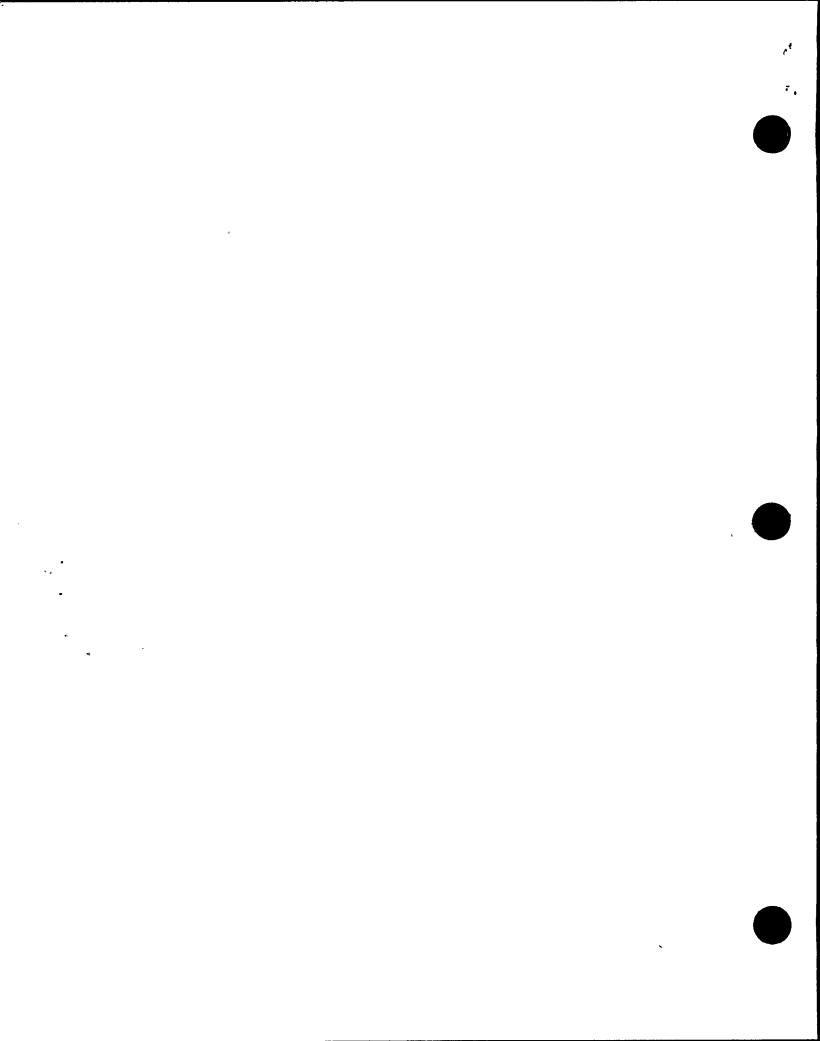
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Mother Manufacturer

147
Manufactured by General Electric Co., APED, 175 Ourtner Ave; San Jose; California
(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at (Name and address of manufacture of belief of vessel) Niggra Mohnule Inde
2. Identification-Manufacturer's Serial No. of Part Please see serial numbers below
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson
. (b) Description of Part Inspected Control Rod Drive '
3. Remarks Fabricated and inspected in accordan ce with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
••
Te certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and workmanship of this vessel conform to the ASME Code. Date July 25 19 67 Signed General Electric Co. Try (Representative)
tificate of Authorization Expires December 31, 19 67
CERTIFICATE OF SHOP INSPECTION
1, the undersigned, helding a raild commission issued by the National Board of Heller and Pressure Vessel Inspectors and/or the
State of CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations here inspected the part of a pressure reased described in this
manufacturer's partial data report on
Vessel Code.
By signing this certificate, neither the Inspect or nor his employer makes any matranty, expressed or implied, concerning the part
described in this manufacturer's portial data report. Furthermore, neither the happectur 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 thir inspection.
Date
्रितिक करिक करिक करिक करिक करिक करिक करिक
71: - 334/337/338/347/348, 349, 368/399/399/410, 417, 419, 428/430, 433/436; 440, 442, 449/457, 462,
463)461)467)472)473,474)475)476)481)1889,494,492)50D\$037511\514\519,521\529\539\ 640)643/6521555\556\562\563\564\566\569\572\573\578\582\583\585\589\595\596\612\621)
627/678/630/631/635/636/638/639/640/645/646/649/650/651/658/659/661/665/665/666
(198\(526\)\(560\), (592\(614\)\(625\)\(633\)\(664\)\(723\)
1) (34) (59) (13) (27) (33) (28) (29)



THIS.	e completed for	Sincle II	essels (such as	air tackel lank	ere of lacker	ed vessels, or	shells of hear	xchenere.
		WILL ANII A			CIT OF THERE	G ACRECIAL OL		
SHELL: Materia EAMS: Long_ (Welded)	ıl	, T.S		Nominal Thickness	Corrosio In. Alluwan	a ceIn. Diam	Ft In. L	cogthFt!
•	(Kind and Spec	. No.) (Fig. 00	F.D. & Spec. Min	.T.S.) "	.1			H rivered de-
EAMS: I.ong	Dia Gaza Las		X.R.		Sectioned 200	Ellicienc	°Y	octibe seems
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omn -			X.X.	•	sectioned	70. OL C	ourses	form.
HEVIDS! (#) WE	CLIBI		•2•	(0) MITCURI				1.5
Location (Top, bottom, end:				Ziliptical Ratio	Conical Apez angle	Hemispherical Redius	Plat 3 Diameter (Co	Me to Presure arez of Concar
(h)	- ·						•	
							•	
icinoraoic, o	(Mate	1101. >; et . No. T	.S., Sire, Number	Other fast		(Describe or Att	lach Sketch)	
STAYBOLTS:	(Material)	_ If hollow	Attachme	nt (Threaded,	Pito	Herie.)	X	lam. (Nominal)
JACKET CLOS	TRE:							
JACKET CLOS	. m.r.	(De	cribe as eger &	weil, bar, etc. [[ber, give dimen	Via same (ab	, describe or shet	h)
allowable work	ing press.	1250	psi at max	z. (emp <u>\$75</u>	°F.	less than -20	£",	°
ms 10 and 11 to								
	·							
TUBE SHEETS	S: Stationary, M	aterial		Diad (Sub	ntn	. Thickness_	In. Attachme	nt .
•	Floating. M	acceial	A Section	Di#	m In	. Thickness_	In. Attachmo	ent
		101114	- spree	4				
	_			-	laches		•	
. TUBES: Materi	_		in. Th	-	Inches or Gage	Number	Гур	(Aracht will)
. TUBES: Materi ms 12-15 incl.	ial (Kind & Spec. to be completed	().[). No.)	abers of jacker	rd vessels, or c	or Gage	Number	•	
ms 12-15 incl.	ial (Kind & Spec. to be completed	().[). No.)	abers of jacker	rd vessels, or c	or Gage	Number	•	
ms 12-15 incl.	ial (Kind & Spec. to be completed	().[). No.)	abers of jacker	rd vessels, or c	or Gage	Number	•	
SHELL: Mater	ial (Kind & Spec. to be completed ial (Kind and Spe	(O.D. No.) for inner chan T.S.	Y.D. h Spec. Vin	rd vessels, or c Nominal Thickness	or Gage hannels of he Corrosion In. Allowance	Number at exchangers. ein. Diam	Fsta. Len	gthFt
ms 12-15 incl.	ial (Kind & Spec. to be completed ial (Kind and Spe	(O.D. No.) for inner chan T.S.	Y.D. h Spec. Vin	rd vessels, or c	or Gage hannels of he Corrosion In. Allowance	Number at exchangers. ein. Diam	Fsta. Len	gthFt
SHELL: Mater SHELL: Mater SEAMS: Long Ref Welde	ial (Kind & Spec. to be completed ial (Kind and Special d. Dbl., Single, L	(O.D. No.) I for inner chan T.S. C. No. (Fig. or	P.D. h Spec. Vin Yea or No)1	rd vessels, or c Nominal Thickness .T.S.)	or Gage hannels of he Corrosin In. Allowance crimed (Ye)	Numberat exchangers. ein. Diam ein. Diam ein Diam	Fsin. Len	gthoFto If riveted de- cershe seam fully on re- tverse side -
SHEAMS: Long Welder Grand Grand Grand Grand Grand Grand	ial (Kind & Spec. to be completed ial (Kind and Speced, Dbi., Single, L	(O.D., No.) If or inner chan T.S., (Fig. or II.T., II.T.,	P.D. h Spec. Vin Yea or Hol	nickness ed vessels, or c Nominal Thickness .T.S.	or Gage hannels of he Corrosion In. Allowance retioned (Ye)	Numberat exchangers. ein. Diam. ein. Diam. ein. Diam. No. of c	FsIn. Len	gth. Ft If riveted de deribe nean fully on re verse nide - form.
SHELL: Mater SHELL: Mater SEAMS: Long Ref Welde	ial (Kind & Spec. to be completed ial (Kind and Speced, Dbi., Single, L	(O.D., No.) I for inner chan T.S., (Fig. or ep. Dwt) II.T., 11.5.	Y.B. h spec. Vin Yea or Holt X.R. (b) V	rd vessels, or c Nominal Thickness T.F.	or Gage hannels of he Corrosion In. Allowance retioned (Ye) retioned T.S.	Numberat exchangers. ein. Diam ein. Diam in No. of c(c) Mate	FfIn. Len	gth. Ft If riveted de deribe nean fully on re verse nide - form.
SHELL: Mater SEAMS: Long Welder Age Girth	ial (Kind a Spec. to be completed ial (Kind and Spec.) d. Dbl., Single, L	(O.D. No.) I for inner chan T.S. (Fig. or P. Dut) II.T. II.T. T.S.	Y.D. haper. Vill. Yea or Helt X.R. (b) \ Knuckle	nickness ed vessels, or c Nominal Thickness .T.S.	or Gage hannels of he Corrosion In. Allowance retioned (Ye)	Numberat exchangers. ein. Diam. ein. Diam. ein. Diam. No. of c	FrIn. Len	gth. Ft If riveted de deribe nean fully on re verse nide - form.
SHELL: Mater SEAMS: Long Welde Girth HEADS: (a) M.	ial (Kind & Spec. to be completed ial (Kind and Spec. d, Dbl., Single, L Aterial Thickne	(O.D. No.) I for inner chan T.S. (Fig. or P. Dut) II.T. II.T. T.S.	Y.B. h Spec. Vin Yes or Holi X.R. (b) V Knuckie	rd vessels, or c Nominal Thickness Se Spot or Complete Material Ratio	or Gage hannels of he Corrosson In. Allowance cetioned (Ye) cetioned T.S. Conical April engle	Number at exchangers. e	FrIn. Len	gth. Ft
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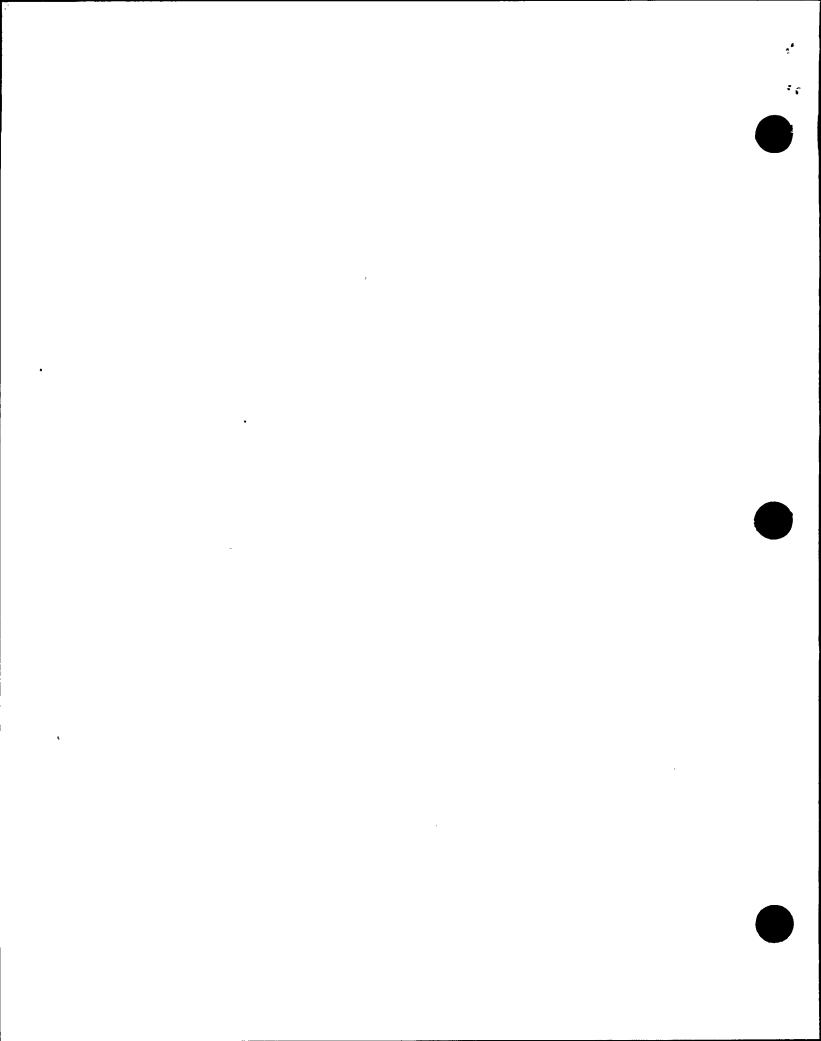


00424 0254

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an I officed Pressure Vessel Fubricated by One Manufacturer for Another Manufacturer

	ofserured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
	'Nome and address of manufacturer of batt)
(b) Manu	Stock item - standard part for use with GB Boiling Water Reactor at
2. Identific	ration-Vanulacturer's Social No. of Patt 71: -34369 4579 379 498 A53 538 641 (399 (55) 561 (55) 67
· (a) Cms	structed According to Blueprint No. 237E179 G1 612, 750, 525 B.P. Prepared by GE, APED: D.L. Peterson
(b) Desc	cription of Part Inspected. Control Rod Drive
3. Remarks	Fabricated and inspected in accordance with Section VIII and applicable nuclear
code	cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July	14, 1966.
See s	ketch showing configuration and materials used. Hydro tested at 2110 psi
	į ·
Ve cen	tily that the statements made in this magnificturer's partial data report are correct and that all details of materials, construction, and
	ip of this vessel conform to the ASME Code.
•	July 31¢ 19 67 Signed General Electric Co. Ny 19 (Keptermatte)
tilicat	e of Authorization Expires December 31 19 67
	~· ·
·* . Γ	CERTIFICATE OF SHOP INSPECTION
TE.	I, the understaned, holding a valid commission issued by the National Second of Moder and Programs Vessel Inspectors and for the
ř	Department of Industrial Relations have inspected the part of a pressure vessel described in this
1	menulacturer's partial data report on
•	and belief, the manufacturer has constructed this part in accordance with the applicable sections of the ASEE Builer and Pressure
}	. Vessel Code.
ļ	By signing this certificate, newher the inspector nor his employer makes any marranty, especially implied, concerning the part
ļ	described in this manufacturer's partial data report. Furthermore, neither the bispection nor his employer shall be liable in any manner
į	for any personal injury or property damage or a loss of any bind orising from or connected with this inspection.
١	nue V-17 - 10 6 7 "
l	Cormissions (7) 6
	Inshering Simeline Wat t move as praise and trac



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ms 4-9 incl. to be c	empleted for sin	gir wall vesse	ls (such as ai	ir tanks), jac Nominal	Corrosi	ed Acasers, at A	icus of neat	exchangers.
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SEAMS: Long	I. Bingle, Lap. Bus	(Yes o	e Hoji (Fr	or or Complet	•)(\alpha(\alpha	e or No)		fully on re-
. Ginh	،	и.т	X.R		Sectioned	No. of Cou	4368	form.
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Location . (Top, buttern, ends)					Control Apex ongle	Hemispherical Radius	Flat 1 Diameter (Co	ide to Presum parez of Concar
(a)								
(b) If removable, bolt:	used			Other fas	tening	•	************	*
	(Material.	Seec. No. 7.3.,	åler, Number)	•		(Describe of Attac	th Sketch)	
. STAYBOLTS:	(aserial)	f hollow	Attachment Hole)	(Threaded	, Nelded) Pic	ch (Horis.) X	(Ven.)	Diam. (Hominal
B. JACKET CLOSUF	E:					، ، جرد جرد میرون		
B. JACKET CLOSUF D. Constructed for m	44.	(Describ	or as eger h m	eid, ber, etc.i	l bar, give dime	milene. If belied, d Min. temp. (when	Hecilbe et ekel	KA)
2. Constructed for m allowable working	press.11	250	psi at max.	1cmp•5	<u>75 °</u> f.	less than -20°)		······································
cms:10 and 11 to be	completed for to	ulic sections.						
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O. TUBE SHEETS: :	iational). Natel	King E.s	pec. 90.1	(3)	bject to Piess	a+)	***************************************	(भगवन्त्रं, ग्रजाः
	loating. Mater	:ial		ni	ا ا	n. Thickness .	In. Attachm	eat:
٠.	•	(Kind & I	bec. No.1	•	Inches	•		•
						A. A .	' Two	. ·
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1. TUBES: Material tems 12-15 incl. to	be completed for	inner chamber	rs of jacketed	i vessels, or	channels of h	cat cti hangets.		
1. TUBES: Material tems 12-15 incl. to VIII.L.: Material 13. SEAMS: Long weised,	be completed for	T.S. (Fig. or F.)	rs of jacketed No Th J. A.Spec. M in. 1	resseis, or reminal nickness r.s)	Channels of h Corresion In. Allowan	ear eschangers. en ce,in, Diam	ttln. l.er	If riveted decribe over
VIII.L.: Material 13. SEAMS: Long Welled,	the completed for (Kind and Spec. N)	U.T. (Yee	Sof jacketed No Th J. K Spec. Bin. 7 or No! X.R. X.R.	i vessels, or ominal hickness [.8]	Corrosional Corros	en celn. Diam reln. Diam re or No. No. of co	. Ft In. Ler 'Y	If riveted a scribe sea fully on verse side ferm.
VIII.L.: Material 13. SEAMS: Long Welled,	the completed for (Kind and Spec. N)	U.T. (Yee	Sof jacketed No Th J. K Spec. Bin. 7 or No! X.R. X.R.	i vessels, or ominal hickness [.8]	Corrosional Corros	en celn. Diam reln. Diam re or No. No. of co	. Ft In. Ler 'Y	If riveted a scribe sea fully on verse side ferm.
13. SEAMS: Long Welfed, Girth Lit. AllEADS: (a) March	be completed for (Kind and Spec. N Dhl., Single, Lap. I rial	II.T. II	or No. X.R. N.R. N.R. N.R. X.R. (b) Ma Reduce	i vessels, or ominal hickness [.5] put ar Complet sterial Rilling	Control Control In. Allowan Sectioned TY Sectioned Tool Control Area one	eat exchangers. cein. Diam re or No. No. of co(c) Wateri	Ftln. l.er 'Y'	If riveted describe seen fully on the form.
13. SEAMS: Long Welsed, Girth 14. HEADS: (a) Mate	tkind and Spec. N Dhl., Single, Lap. I rial	II.T. II.T. II.T. II.T. II.T. II.T. Rediud	Se of jacketed No. Th J. Espec. Hin. 1 or No. X.R. (Se No. 1 (b) Ma Koorbie Rediud	t vessels, or ominal hickness	Control Cortonio In. Allowan Sectioned TY Sectioned T.S. Control Acre one	eat exchangers. cein. Diam Filicient No. of co (c) Wateri Hemispherical	Ftln. l.er 'Y'	If riveted a scribe sea fully on verse side from.
13. SEAMS: Long Welded, Girth Lecation (a) Top, buttom, thi Channel	tkind and Spec. N Dhl., Single, Lap. I rial	II.T. II.T. II.T. II.T. II.T. II.T. Rediud	Se of jacketed No. Th J. Espec. Hin. 1 or No. X.R. (Se No. 1 (b) Ma Koorbie Rediud	i vessels, or ominal nickness F.S) put or Complet accrial R'iliptical Ratio	Cortonio _In. Allowan Sectioned TY Sectioned TY	eat exchangers. cein. Diam re or:No. No. of co(c) Wateri Hemispherical Radius	Ftln. l.er 'Y'	If riveted a scribe sea fully on verse side from.
13. SEAMS: Long Welded, Girth Lecation (a) Top, buttom, (b) Channel (c) Floating	be completed for (Kind and Spec. S) Dhl., Single, Lap, I rial Thickness ends	II.T. T.S. T.S. T.S. T.S. T.S. T.S. T.S.	Se of jacketed No. Th S. & Spec. Min. 1 FROM X.R. FROM (Sp. X.R. (b) Ma Reduce	i vessels, or ominal nickness F.S) put or Complet accrial Riliptical Ratio	channels of h Cortosio _In. Allowan Sectioned TY Sectioned TY Control	eat exchangers. cein. Diam re or:No. No. of co(c) Wateri Hemispherical Reduse	rece	If riveted a scribe sea fully on verse side from.
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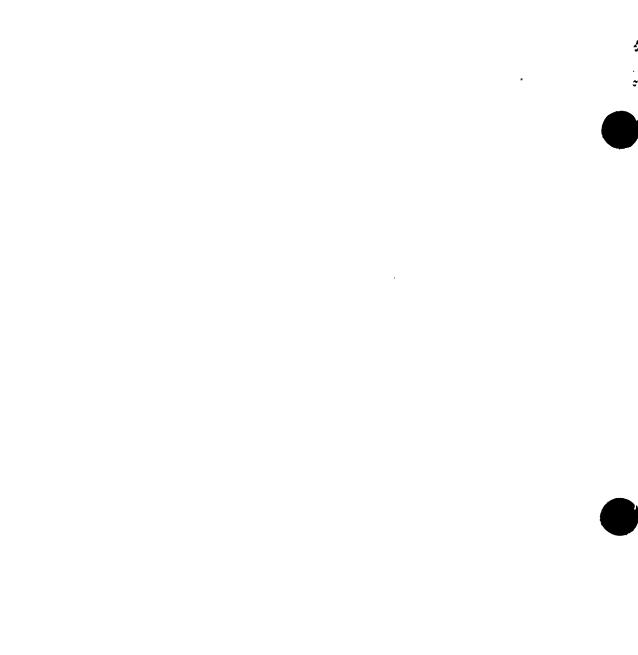
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of un Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

(a) Manufactural by General Electric Co. APED 175 Ourtner Ave: San Jose Celifornia
1. (a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
. (b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Nieg (Home and express of manufacturer of boiler or Veser) Mohawk Unit 1
2. Identification-Manufacturer's Serial No. of Part 71: - 484). 539
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D. L. Poterson
(b) Description of Part InspectedControl Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. Hydro tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details at materials, construction, and
workmanship of this vessel conform to the ASME Code.
Date August 8 19 67 Signed General Electric Co. 117 - 7: (Keptermative)
Conflicate of Authorization Express December 31 19 67 .
CERTIFICATE OF SHOP INSPECTION
1. the undersigned, holding a valid commusation issued by the Metional Brand of Relief and Pressure Versel Inspection and/or the state of <u>CALIPORNIA</u> and employed by <u>Division of Inclustrial Sufety</u> of
Department of Industrial Relations have inspected the part of a pressure seased described in this manufacturer's partial data report on
and belief, the manufactures has constructed this part in accordance with the applicable sections of the ASUF Boiles and Prossure
Vessel Code.
By signing this certificate, norther the Inspector nor his employer makes any marranty, espectored or implied, concerning the part described in this manufacturer's partial data report. Furthermore, norther the Inspector nor his employer shall be liable in any manner
for any personal injury or property famage on a loss of any kind arising from or connected with this inspection
0.77 = 0.47
Date



THIS FORM NOT APPLICAB UB O SELL HUNEPRING PRING PRING PRING SKETCH

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Own	1	awk Power Corpor		,	March 2		
	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	13093 Sh	eet	of	1
2. Plan	t <u>Nine Mile</u> Na	Point me		Unit	<u> </u>		
<u>P.O.</u>		ng, New York 130 ress	093	<u>M</u> Repai	lech. Ma ir Organi	int. Work Order No. zation P.O. No., Job	96-03852- No., etc.
	Nine Mile Point I	Niagara Mohawk Name P.O. Box 63 Lycor		- -		ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	
5. (a) A (b) A	tification of Syste Applicable Constru Applicable Edition	m <u>CRD CONTRO</u> uction Code <u>ASA</u> of Section XI Util	B31.1 ized for Rep		ts 19 <u>83</u> ,		ode Case
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
RD 46-	General Electric	71-719	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
per ASI	ME Work Plan in	Replace Control Ro Work Order 96-0	od Drive with 3852-00 at c	h rebuilt spare as pa ore location 46-23.	rt of pre	ventive maintenance,	Replaced C
	S Conducted:	neumatic Nomi	inal Operatio	ng Draccura 🖂 - Tu	, oct Droce	duras NI-IST-I V-10	•
	_	essure 1044.6 PSIG	-		o F	dure: <u>N1-IST-LK-10</u>	<u> </u>

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



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-719 replaced by serial no. A8846. VT-2 per NDE Report No. 1-2.01-97-0136.

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 Date 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 <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>11115146</u> to <u>7123197</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.
Inspector's Signature Commissions NB 8 496 NY 2812 National Board, State, Province, and Endorsements
Date 7/23,1997

(12/82)

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

	Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)
	3901 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of NPT Certificate Holder)
	(b) Manufactured for : Nine Mile Point 1 Lycoming, New York 13093
•	(Name and Address of N Certificate Holder for completed nuclear component)
2.	Identification - Certificate Holder's S/N of Part :
	(a) Constructed According to Drawing No: 919D258G003 Rev 16 Dwg. Prepared by D. L. Peterson
	(b) Description of Part Inspected: <u>Cylinder Tube & Flange</u>
	(c) Applicable ASME Code: Section III , Edition 1974 , Addenda Date W75 , Case No. 1361-2 Class 1
3.	REHARKS: <u>Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.</u> (Brief description of service for which component was designed)
	Sheet 1 of 2
	We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASKE Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 03/12/97 Signed GE-NE By Stagget (NPT Certificate Holder)
	conforms to the rules of construction of the ASKE Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report).
	conforms to the rules of construction of the ASKE Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 03/12/97 Signed GE-NE By Stagget (NPT Certificate Holder)
	conforms to the rules of construction of the ASKE Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 03/12/97
	conforms to the rules of construction of the ASKE Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: 03/12/97
	Certificate of Authorization Expires: 6/16/99 Certification of Authorization No.: NPTN-1151 Certification of Design for Appurtenance GE Company, San Jose, California

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on and state that to the best of my knowledge and belief, the NPI Certificate Holder has constructed this part in accordance with the ASHE Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

FORM N-2 (back)

Note	Ite	ms 4-8 I								
Girth Hi.T. T.S. (b) Haterial T.S. (b) Haterial T.S. Location (Top Botton, Ends) Thickness Radius Radius Radius Apex Angle Radius Diameter (conv. or conc.) of the conversation of the co	4.	Shell:	Haterial (Kind & S	T.S. pec. Ho.) (Min. of F	Thickness	s In. A	orrosion 1lowance	in. Dia	ft in.	Length ft
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Botton, Ends) Thickness Radius Radius Ratio Apex Angle Radius Diameter (conv. or conc.)	6.	Heads:	(a) Haterial		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	T.S	(ь) н	aterial	1	r.s
The removable, bolts used (Mandal, Spec. No., T.S. Star Namber) (Describe or attach shatch) Jacket Closure:	(a) (b)	Bottom,	Ends) Thi	ckness Radi	us Radius	Ratio	Apex Angle	Radius	Diameter	
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Drop Weight Charpy Impact	7.	Jacket	Closure:	·				M. S. W. J. S. M. S.		
			2	l	Describe as ogee i	and weld, ber, etc. If	per give dimensions,	n	. Valaht	
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Tubes: Haterial	Ite	ms 9 and	10 to be com	pleted for tu	e sections					
St. or U	9.	Tube Sh	eets: Station Floatin	nary. Hateri ng. Hateri	Nod & Sp	Dia Dia	(Subject to pressu	Thickness Thickness	in. A	ttachment (Welded, Bo
Note	0.	Tubes:	Haterial		0.0	in. Thic	ckness	_ Inches or gage.	Number	
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	1. 2. 3. (a) (b) 4. Ites 5. 6.	Shell: Seams: Heads: Loca Top,bot Channel If remo Design ms below Safety Kozzles	Haterial (Kind & S) Long Girth (a) Haterial tion tion tion pressure to be complet Valve Outlets: Purpose (Inlet, Outlet, Drain) ion Hanholes,	T.S	Hominal Thickness ange Specified) H.T. H.T. Knuckle Radius (b) essels where	T.S Elliptical Ratio (c) psi at applicable Type	Concial Apex Angle Other	in. Dia aterial Hemispherica Radius r fastening Orop Char F at t	ftin. Efficience No. of The Plat Diameter (Description of emp of Heinforce Material	Length ft ency Courses S Side to Press. (conv. or conc.) fibe or attach sketch) ft=1b ft=1b F
(Yee or No) (Number) (Number) (Describe) (Where & How)	1. 2. 3. (a) (b) 4. Ites 5. 6.	Shell: Seams: Heads: Loca Top,bot Channel If remo Design Ms below Safety Nozzles	Haterial (Kind & S) Long Girth (a) Haterial tion Thictom, ends vable, bolts pressure to be complet Valve Outlets : Purpose (Inlet, Outlet, Drain) ion Hanholes, s: Handholes	T.S	Hominal Thickness Ingo Specified) H.T. H.T. M.T. Control of Knuckle Ingo Radius (b) Dial or Size	T.S	Concial Apex Angle Other	aterial Bemispherical Radius Orop Char F at t Loca Thickness coation	ftin. Efficience No. of The Diameter Weight py Impact emp of tion Reinforce Material	Length ft ency Courses Side to Press. (conv. or conc.) fibe or attach sketch) ft-1b F

^{1 -} If Postweid Heat-Treated,

^{2 -} List other internal or external pressure with coincident temperature when applicable,

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

1. Manufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)

3901 Castle Havne Road. Wilmington. North Carolina 28401
(Name and Address of NPT Certificate Holder)

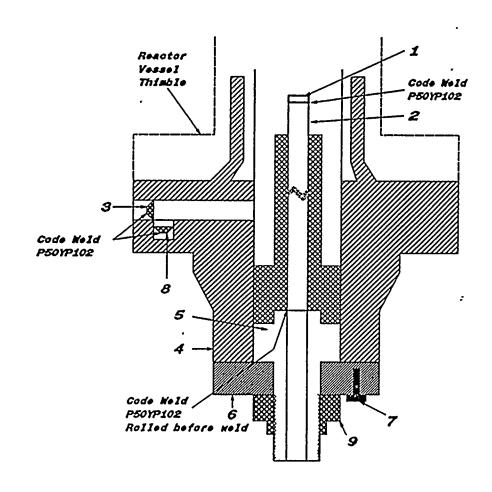
(b)	Manufactured for : .	Nine Mile Point 1 Lycoming, New York 13093	
		(Name and Address of M Certificate Holder for completed	I nuclear component

- 2. Identification Certificate Holder's S/N of Part : A8846 Nat'l Bd. No. N/A
 - (a) Constructed According to Drawing No: <u>919D258G003 Rev 16</u> Dwg. Prepared by <u>D. L. Peterson</u>
 - (b) Description of Part Inspected: <u>Cylinder Tube & Flange</u>
 - (c) Applicable ASKE Code: Section III . Edition 1974. Addenda Date W75. Case No. 1361-2 Class 1
- 3. REHARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psl, min.

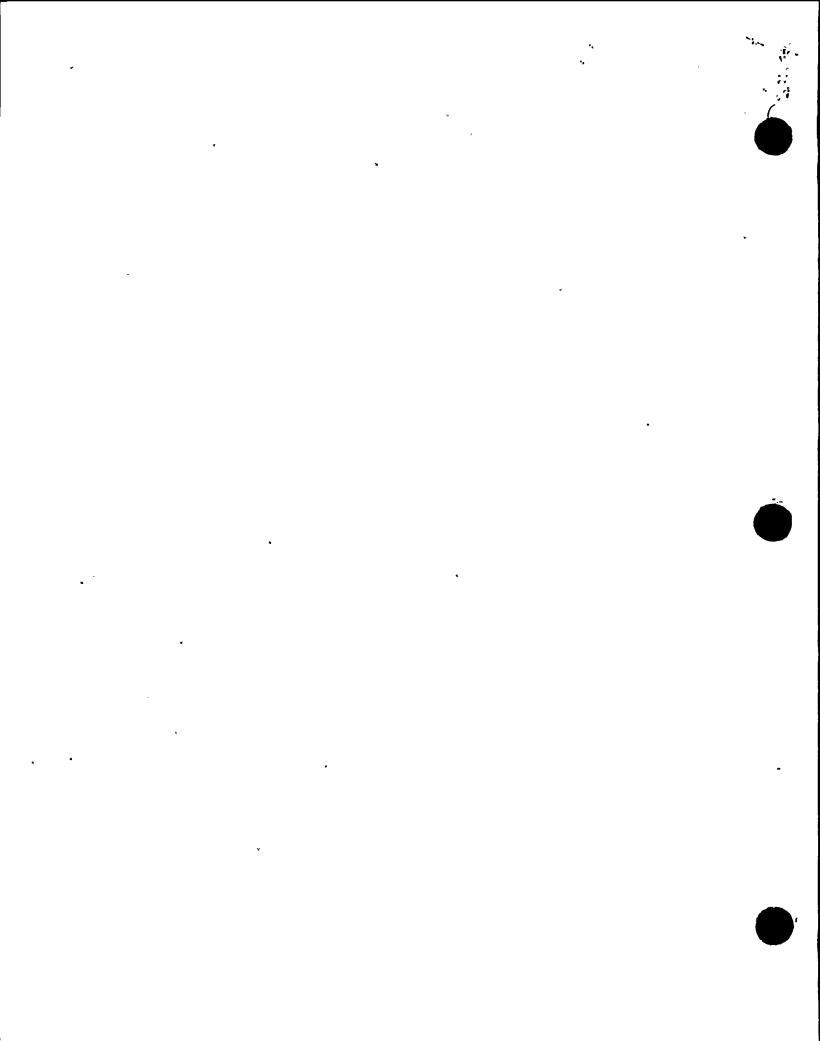
 (Brief description of service for which component was designed)

Sheet 2 of 2

- 1. Cap 16689274P001 SA182 - F316 3/8" thick x 1 1/16" OD
- Indicator Tube 167B4908P001 SA312 - TP316 3/4" sch 40 - seamless pipe 0.113" wall thickness 1.065" max. dia.
- 3. Plug 159A1176P001 SA182 - F304 1/4" thick x 0.812" OD
- 4. Flange 919D610P001 (719E474) SA182 - F304 3.37" thick x 9 5/8" OD
- 5: Hoad 129B3539P005 SA182 - F304 7/8" thick x 2.875" dia.
- 6. Ring Flange 114B5122P002 SA182 - F304 1° thick x 5.0° OD x 1.75° ID
- 7. Cap Screw 117C4516P002 SA193 - B6 6 ea. 1/2" dia. on 4 1/8" bolt circle
- 8. Plug 175A7961P001 SA182 - F304 0.38* thick x 1.307* dia.
- 9. Nut 114B5460P001 XM - 19 SA479 1.30° thick x 2.62° dia.







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

As Required by the Provisions of the ASME Code Section XI Date March 21, 1997 1. Owner Niagara Mohawk Power Corporation Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address Nine Mile Point 2. Plant Name Mech. Maint. Work Order No. 96-03336-00 P.O. Box 63 Lycoming, New York 13093 Repair Organization P.O. No., Job No., etc. Address Type Code Symbol Stamp N/A 3. Work Performed By Niagara Mohawk Power Corp. Name Authorization No. N/A Nine Mile Point P.O. Box 63 Lycoming N Expiration Date N/A Address etification of System CRD CONTROL ROD DRIVE

т.	definition of dystem <u>CRE CONTROL PROPERTY</u>					_	
5.	(a) Applicable Construction Code ASA B31.1	_ 19 <u>55</u>	Edition, None	Addenda,_	<u>N/A_</u>	Code (Çase
	(b) Applicable Edition of Section XI Utilized for Repair	irs or Rep	lacements 19 83	Sum. '83	ADD.		

6. Identification of Components Repaired or Replaced and Replacement Components

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
CRD 46-27	General Electric .	7451	. N/A	NC02 CLASS 1	1977	REPLACEMENT	Ϋ́es
:	·						
							,

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and (1 ea.) flange capscrew per ASME Work Plan in Work Order 96-03336-00 at core location 46-27.

8. Tests Conducted:

Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: N1-IST-LK-101

Other Pressure 1044.6 PSIG Test Temp. 226 Deg. •F

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.



(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Replaced one (1) flange capscrew due to worn allenhead, heat Code MI for capscrew. VT-1 for ISI per NDE Report No. 1-2.01-97-0088 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for capscrew (1ea.). CRD exchanged as part of preventive maintenance. Serial No. 7451 replaced by serial no. A8875. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

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. \Rightarrow repair or replacement
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed St. 6 Student Fix S.DOTY, MANAGER MANG-UI Date 729.: , 19 97 Owner or Owner's Designee, Title
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 11 21 96 to 7 20197, 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.
Zynn O Ongless Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date7130·

(12/82)

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I

Hanufactured & Certified by : General Electric Company Nuclear Energy (GE-NE) 3901 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of NPT Certificate Holder) (b) Hanufactured for: Nine Mile Point 1 Lycoming, New York 13093 (Name and Address of N Certificate Holder for completed nuclear component) Identification - Certificate Holder's S/N of Part: _A8875 Nat'l Bd. No. (a) Constructed According to Drawing No: 919D258G003 Rev 16 Dwg. Prepared by D. L. Peterson (b) Description of Part Inspected: <u>Cylinder Tube & Flange</u> (c) Applicable ASHE Code: Section III . Edition 1974 . Addenda Date W75 . Case No. 1361-2 Class 1 3. REHARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psl. mln. (Brief description of service for which component was designed), Sheet 1 of 2 We certify that the statements in this report are correct and this vessel part or appurtenance as defined in the code conforms to the rules of construction of the ASHE Code Section III. (The applicable Designed Specification and Stress Report are not the responsibility of the MPT Certificate Holder for parts. An MPT Certification Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report). Date: <u>03/12/97</u> Signed (NPT Certificate Holder)

Certificate of Authorization Expires: 6/16/99 - Certification of Authorization Ho. : NPT N - 1151

Certification of Design for Appurtenance Design information on file at <u>GE Company</u>. San Jose. California Stress analysis report on file at <u>GE Company</u>. San Jose. California DC22A6253 Rev. 2 Design specification certified by <u>B.N. Sridhar</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>18345</u> DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>

Certification of Shop Inspection

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASKE Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damages or a loss of any kind arising from or connected with this inspection.

Supplemental sheets in form of lists, sketches or drawing may be used provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

FORM N-2 (back)

			e conpieted	1 101 1115	IIC WETT VG			shells of heat	exchangers.	<u>'\</u>
		. (10	nd & Spec. No.)	(Min. of Rang	e Specified)	in. A				ength ft
5. ·	Seams:				•		_			сух
		Girth			н.т.				No. of C	ourses
6.	Heads:	(a) Mate	rial			T.s	(ь) н	aterial	T.S	• ———
(a) (b)	Bottom,		Thickness		Radius	Ratio	Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(0)	If remo	ovable, bo	lts used			Size Number)	Other faste	ning	(Describe or attach sle	
7.	Jacket	Closure:		(Majoria	, spec. No., T.S.	Size Number)		If boits, describe or ske	(Describe or attach se	excn)
	٠	9		(De	ecribe as ogee a	nd weid, ber, etc. If	ber give dimensions,	J. Vp	Weight y Impact	ft-1b
8.	Design	pressure		1250	ps	i at	575	_ F at te	emp of	F
Ite	ems 9 and	i 10 to be	completed	for tube	sections				•	
9.	Tube St	neets: St	ationary.	Haterial Haterial	(Kind & Sp	Dia oc. No.)	(Subject to preseu	Thickness Thickness	in. Att in. Att	achment (Welded, Boked) achment
										Type(8x.orU)
Ite	ems 11 -	14 incl.	to be compl	eted for	inner cham	pers of jacke	ted vessels,	or channels of	heat exchanger	s.
11.	Shell:	Haterial (Ka	T. nd & Spec. No.)	S. (Min. of Rang	Hominal Thickness Specified)	fn. A1	orrosion Nowance	in. Dia f	t in. Le	ngth ft
12.	Seams:	Long			н.т. ่		R.T.		Efficien	cyx
•	•	Girth			н.т.՝		R.T.		Ko. of C	ourses
3.	Heads:	(a) Hate	rial			T.S	(ь) к	aterial	т.s	•
(a) (b)	Top, bot	tom,ends	Thickness		Radius	Ratio	Apex Angle			Side to Press. (conv. or conc.)
	If remo	ovable, bo	lts used (a)	(b)	(c)	Other	r fastening Drop ' Charp	(Describe Weight y Impact	or attach sketch)
l 4.	Desian	, 2 pressure	*		r	osi at		F at te		°F
		·				applicable.				•
			lets: Numb			···		Locat	ion	
	_	: Purpose (k Outlet, Drai	niet,	mber	Die. or Size	Туре	Material	Thickness	Reinforcement Material	nt How Attached
				<u> </u>						
7.	Inspect Opening	s: Hand	holes, No.			Size Size	į.	ocation		
	Support	- Skin	+	Luas		Legs		:her	Attache	ud 🗐

^{1 -} X Postweld Heat-Treated.

^{2 -} List other internal or external pressure with coincident temperature when applicable,

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASHE Code Rules, Section III, Div. I

P

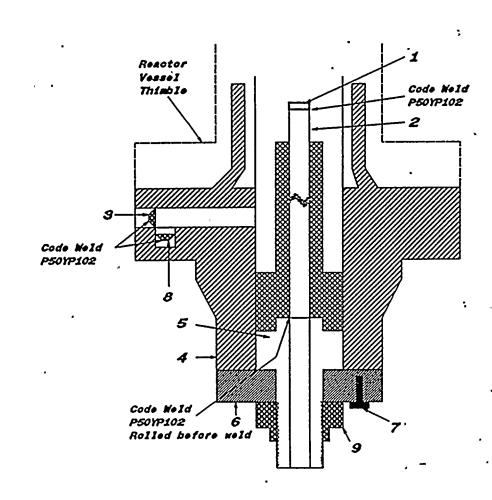
Hanufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)

3901 Castle Hayne Road. Wilmington. North Carolina 28401
(Name and Address of MPT Certificate Holder)

(b) Manufactured for : Nine Mile Point 1 Lycoming, New York 13093 (Name and Address of M Certificate Holder for compl	leted nuclear component)
2. Identification - Certificate Holder's S/H of Part : _A8875 Nat'l Bd	I. NoN/A
(a) Constructed According to Drawing No: 919D258G003 Rev 16 Dwg. Prepar	red by D. L. Peterson .
(b) Description of Part Inspected: <u>Cylinder Tube & Flange</u>	•
(c) Applicable ASHE Code: Section III , Edition 1974 , Addenda Date W75	. Case Ho. <u>1361-2</u> Class <u>1</u>
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 ps (Brief description of service for which component was designed)	sl. mln

Sheet 2 of 2

- 1. Cap 16689274P001 SA182 - F316 3/8" thick x 1 1/16" OD
- 2. Indicator Tube 167B4908P001 SA312 - TP316 3/4" sch 40 - seamless pipe 0.113" wall thickness 1,065" max. dia.
- 3. Plug 159A1176P001 SA182 - F304 1/4" thick x 0.812" OD
- 4. Flange 919D610P001 (719E474) SA182 - F304 3.37* thick x 9 5/8* OD
- 5. Head 129B3539P005 SA182 - F304 7/8" thick x 2.875" dia.
- 6. Ring Flange 114B5122P002 SA182 - F304 1° thick x 5.0° OD x 1.75° ID
- 7. Cap Screw 117C4516P002 SA193 - B6 6 ea. 1/2" dia. on 4 1/8" bolt circle
- 8. Plug 175A7961P001 SA182 - F304 0.38" thick x 1.307" dia.
- '9. Nut 114B5460P001 XM - 19 SA479 1.30" thick x 2.62" dia.





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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Owner	er <u>Niagara Mohav</u> · Name	vk Power Corporation :	D	ate <u>March 21, 1997</u>			
1	Nine Mile Point P.	O. Box 63 Lycoming N.) Address	<u>7. 13093</u>	Sheet1	_of	_1	
2. Plant	Nine Mile Po Name	int · ·	Unit	_1		<u></u>	
P.O.	Box 63 Lycoming Address	New York 13093		Mech. Maint. Work Repair Organization			
	•	Ningara Mohawk Power (Name D. Box 63 Lycoming N.Y s	Authori	pe Code Symbol Stan zation No. <u>N/A</u> Expiration Date <u>N/</u>	_		
5, (a) A (b) A ₁	pplicable Construc oplicable Edition o	CRD CONTROL ROD tion Code ASA B31.1 f Section XI Utilized for onents Repaired or Repla	19 <u>55 </u>	cements 19 <u>83. Sum.</u>			
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
46-31	General Electric	71-540	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
,				,			
7. Descr (2 ea.)	ription of Work Re Sange capscrews p	place Control Rod Drive er ASME Work Plan in '	with rebuilt spar Work Order 96-0	e as part of preventive 3850-00 at core locati	maintena on 46-31.	nce. Replaced CRD	and
8. Tests	Conducted:	•					•
F	Iydrostatic 🗆 Pne	umatic 🗆 Nominal Oper	ating Pressure 🛘	Test Procedure:_N	1-IST-LK	<u>-101_</u>	

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

Other Pressure 1044.6 PSIG Test Temp. 226 Deg.



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

9. Remarks: This was not a service failure. Replaced two (2) flange capscrews due to worn allenhead, heat Code MI for capscrews. VT-1 for ISI per NDE Report No. 1-2.01-97-0086 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for capscrews (2ea.). CRD exchanged as part of preventive maintenance. Serial No. 71-540 replaced by serial no. A8842. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

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 Jel 6 July For S.DOT, MANAGER MAINT-UI Date 7/29, 19 97 Owner or Owner's Designee, Title
Owner or owner's besignee, little
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>111596</u> to <u>12097</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.
Lynn Darlesm Commissions NB 8 446 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements Date

(12/82)

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASHE Code Rules, Section III, Div. I

_			
	5	Hanufactured & Certified by : <u>General Electric Company Nuclear Energy (GE-NE)</u> 3901 Castle Hayne Road, Wilmington, North Carolina 28401 (Name and Address of NFT Certificate Holder)	
		(b) Nanufactured for : Nine Mile Point 1 Lycoming, New York 13093	
		(Name and Address of N Certificate Holder for completed nuclear component)
	2.	Identification - Certificate Holder's S/N of Part : A8842 Nat'l Bd. No. N/A	
		(a) Constructed According to Drawing No: 919D258G003 Rev 16 Dwg. Prepared by D. L. Peterson	, · ,
		(b) Description of Part Inspected: <u>Cylinder Tube & Flange</u> .	•
		(c) Applicable ASHE Code: Section III , Edition 1974 , Addenda Date W75 , Case No. 1361-2	_ Class <u>_1</u> ·
	3.	REHARKS: Standard part for use with Reactor, Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)	
		•	•
-			Sheet 1 of 2
-			Sheet I di L
	•	Ve certify that the statements in this report are correct and this vessel part or appurtenance as define conforms to the rules of construction of the ASHE Code Section III. (The applicable Designed Specificat Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certification Holder fis responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not the component Design Specification and Stress Report). Date: 03/12/97 Signed GE-NE (NPT Certificate Holder) (SC QA Representive)	tion and Stress for appurtenances not included in
(I	_	Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPT N - 1151	
		Certification of Design for Appurtenance	
	i	Design information on file at <u>GE Company</u> , <u>San Jose</u> , <u>California</u>	
1	i	Stress analysis report on file at <u>GE Company</u> , <u>San Jose</u> , <u>California</u>	_
	l	DC22A6253 Rev. 2 Design specification certified by <u>B.N. Sridhar</u> Prof. Eng. State <u>Calif.</u> Reg. Ko. <u>18345</u>	•
	L	DC22A6254 Rev 1 Stress analysis report certified by <u>Edward Yoshio</u> Prof. Eng. State <u>Calif.</u> Reg. No. <u>M018646</u>	-
		• •	
		Certification of Shop Inspection	-
		I. the undersigned, holding a valid commission by the National Board of Boiler and Pressure Inspectors. State or Province of North Carolina and employed by Department of Labor of State of North Carolina inspected the part of a pressure vessel described in this Partial Data Report on and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this accordance with the ASHE Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or concerning the part described in the Partial Data Report. Furthermore, neither the Inspector nor his estable beliable in any manner for any personal injury or property damages or a loss of any kind arising connected with this inspection. NC 1231, Ohio, WC 3686 PA	Ina have 1997, part in implied, employer g from or
1	4	Date // Ingrector's Signature National Board State Province An	nd No.

Supplemental sheets in form of lists, sketches or drawing may be used-provided (1) size is 8-1/2" x 11", (2) information in 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "REMARKS".

FORM N-2 (back)

Ite	ms 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.
4:	Shell: Haterial T.S. Thickness in. Allowance in. Dia. ft. in. Length ft.
5.	Seams: Long H.T R.T Efficiencyx
•	Girth H.T R.T No. of Courses
6.	Heads: (a) Haterial T.S (b) Haterial T.S
(a) (b)	
_	(Malerial, Spec, No., T.S. Size Number) (Describe or attach sketch)
	Jacket Closure: (Describe as ogee and weld, ber, etc. If ber give dimensions, if bolts, describe or sketch) Drop Veight Charpy Impact 1 Charpy Impact Charpy Charpy Impact Charpy Impact Charpy Ch
8.	Design pressure 1250 psi at 575 F at temp of F
	ms 9 and 10 to be completed for tube sections
9.	Tube Sheets: Stationary. Haterial Dia. Thickness in. Attachment (Wolded, Boiled) Floating. Haterial Dia. Spec. No.) Dia. Thickness in. Attachment (Wolded, Boiled)
10.	Tubes: Haterial O.Din. Thickness inches or gage. Humber Type(Str. or U)
Ite	ms 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.
	Shell: HaterialT.S Hominal Corrosion in. Dia ft in. Length ft (Kind & Spec. Ho.) (Min. of Range Specified)
12.	Seams: Long H.T R.T Efficiency X
	Girth H.T R.T No. of Courses
13.	Heads: (a) Material T.S (b) Material T.S
161	Location Thickness Radius Radius Ratio Apex Angle Radius Conv. or conc.) Top,bottom,ends Channel
	If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)
	Drop Weight
	Design pressure psi at F at temp of F
	ms below to be completed for all vessels where applicable.
15.	Safety Valve Outlets: Number Size Location
16.	Hozz les: Purpose (Inlet, Outlet, Drain) Number Dia, or Size Type Material Thickness Material How Attached
•	
17.	Inspection Manholes, No. Size Location Openings: Handholes, No. Size Location Threaded, No. Size Location
18.	Supports: Skirt Lugs Legs Other Attached (Where & How)

^{1 -} X Postweld Heat-Treated,

^{2 -} List other internal or external pressure with coincident temperature when applicable,

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES* As required by the Provision of the ASME Code Rules, Section III, Div. I



Hanufactured & Certified by : General Electric Company Nuclear Energy (GE-NE)

3901 Castle Havne Road, Wilmington, North Carolina 28401

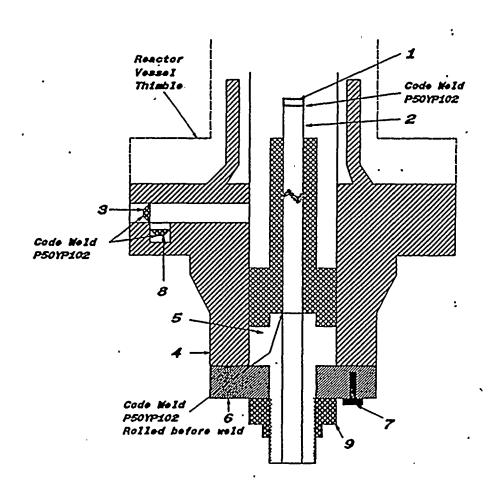
(Name and Address of MPT Certificate Holder)

/ (b)	Hanufactured for	Nine Mile Point 1 Lycoming, New York 13093
		/ Many and Address of W Contiffeets Wolden for completed publishes com

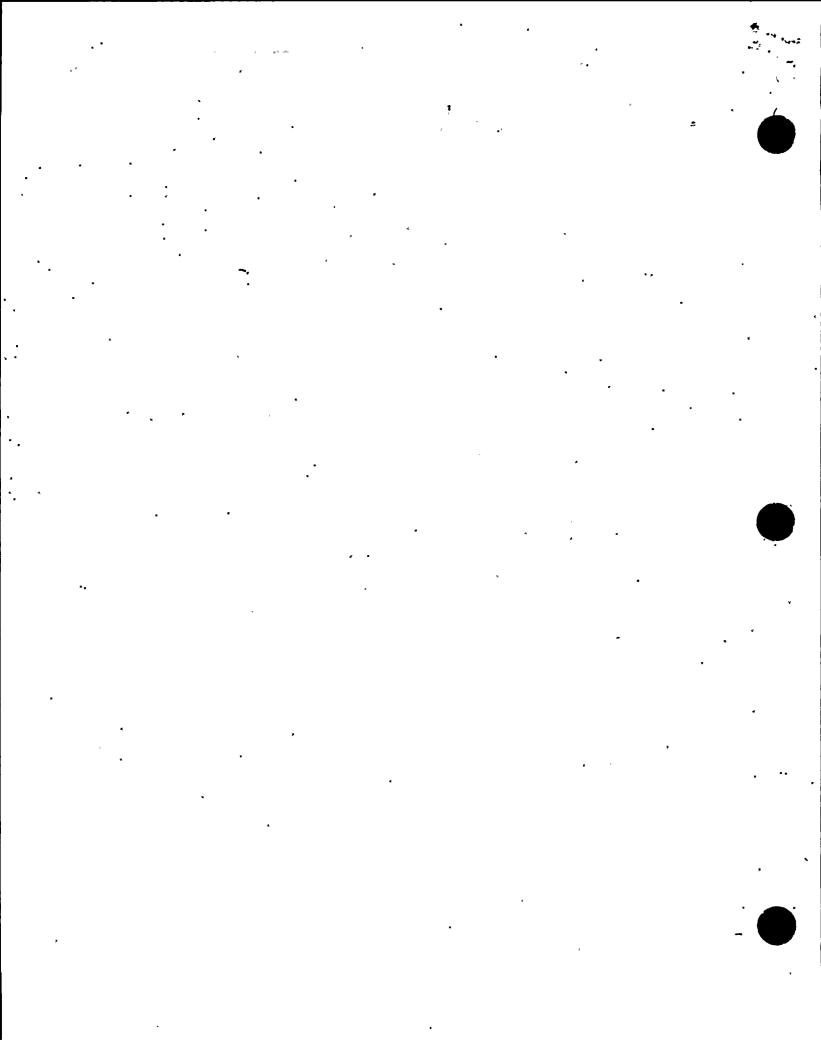
- 2. Identification Certificate Holder's S/N of Part : _A8842_ Nat'l Bd. No. ___N/A
 - (a) Constructed According to Drawing No: 919D258G003 Rev 16 Dwg. Prepared by D.L. Peterson
 - . (b) Description of Part Inspected: __CvlinderTube & Flance
 - (c) Applicable ASHE Code: Section III , Edition 1974 , Addenda Date W75 , Case No. 1361-2
- 3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min. (Brief description of service for which component was designed)

Sheet 2 of 2

- 1. Cap 16689274P001 SA182-F316 3/8" thick x 1 1/16" OD
- 2. Indicator Tube 167B4908P001 SA312-TP316 3/4° sch 40 - seamless pipe 0.113 wall thickness 1.065° max. dla.
- 3. Plug 159A1176P001 SA182-F304 1/4" thick x 0.812" OD
- 4. Flange 919D610P001 (719E474) SA182 - F304 3.37° thick x 9 5/8° OD
- 5. Hoad 129B3539P005 SA182 - F304 7/8" thick x 2.875" dia.
- 6. Ring Flange 114B5122P002 SA182 - F304 1° thick x 5.0° OO x 1.75° ID
- 7. Cap Screw 117C4516P002 SA193 - B6 6 ea. 1/2º dla. on 4 1/8º bolt circle
- 8. Plug 175A7961P001 SA182 - F304 0.38° thick x 1.307° dla.
- 9. Nut 114B5460P001 XM - 19 SA479 1.30° thick x 2.62° dia.







FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

3. Work	Na Box 63 Lycomi Add Performed By	ame ng, New York 130 ress Niagara Mohawk		Repai	ech. Ma	int. Work Order No. 9 zation P.O. No., Job N	06-03848-
<u>P.O.</u> 3. Work	Na Box 63 Lycomi Add Performed By	ame ng, New York 130 ress Niagara Mohawk		<u>M</u> Repai	ech. Ma	int. Work Order No. 9 zation P.O. No., Job N	06-03848-
3. Work	Add Performed By	ress <u>Niagara Mohawk</u>		Repai	ech. Ma r Organi	int. Work Order No. 9 zation P.O. No., Job N	6-03848-
			. D			•	o., etc.
1		Name	Power Con	D. Type Co	de Symb	ool Stamp <u>N/A</u>	
	Nine Mile Point	P.O. Box 63 Lycon	ning N.Y. 1	3093 · Authori Ex	zation No	o. <u>N/A</u> Date <u>N/A</u>	
4 Ident	,	dress em <u>CRD CONTR</u> C	מת מסמ זו				
	•				, None	Addenda, N/A Cod	— le Case
(b) A _i	pplicable Edition	of Section XI Util	ized for Rep	airs or Replacement	s 19 <u>83,</u>	Sum. '83 ADD.	
6. Iden	tification of Con	ponents Repaired of	or Replaced a	and Replacement Co	mponen	ts	<u>.</u>
name of component	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
CRD 50- 9	General Electric	71-361	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
		<u></u>	<u> </u>				

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



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-361 replaced by serial no. 71-457. VT-2 per NDE Report No. 1-2.01-97-0136.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period in the period to 7/23/97, 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.
Tynn 10 Aulus Commissions NB 8486 N ÿ 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

(12/82)

FORM U-2 WANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

	(12)
Manufactured by General Electric Co., APED, 175 Our	tner Ave; San Jose; California
(b) Manufactured for Stock item - standard part for use to (Hence and address of me	with GE Boiling Water Reactor at
2. Identification-Manufacturer's Serial No. of Part . * Please see serial	al numbers below
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Pres	pared by GE, APED: D.L. Peterson
(h) Description of Part Inspected Control Rod Drive	• • • • • • • • • • • • • • • • • • •
s. Remarks Fabricated and inspected in accordan co with	Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon	with customer. Ref. letter dated
July 14, 1966.	
See sketch showing configuration and materials use	d. Hydro tested at 2110 psi
	••
Date July 25 19 67 Signed General Electric (Manufacture) Clicate of Authorization Expires December 31, 19 67	Co. By J. W. C. J. L. K.
CERTIFICATE OF SHOP I	SPECTION
t, the undersigned, holding a valid commission seawdhy the National Estate of <u>CALIFORNIA</u> and employed by <u>Divis</u> Department of Industrial Relations have	sion of Industrial Safety
manufacturer's partial data report on	19, and state that to the best of my knowledge
and belief, the manufacturer has constructed this part in occordence with Vessel Code.	the opplicable sections of the ANKE Boiler and Presours
By signing this certificate, nowher the Inspector nor his employer make	s any morranty, expressed or implied, geneering the part
described in this manufacturer's portial data report. Furthermore, neither the for any personal injury or property damage or a less of any kind arising free Date.	The state of the s
Institute of the second of the	
	492) 50D 50 7 511 (514 (519, 521, 529) 519 (519) 578 (582 (583) 585 (589 (595) 596 (617 (621)
627 628 630 630 633 635 636 638 639 640 644 645 646 671 676 678 632 7701 705 707 719 722 729 730 32	049105010511058105910011003100510001
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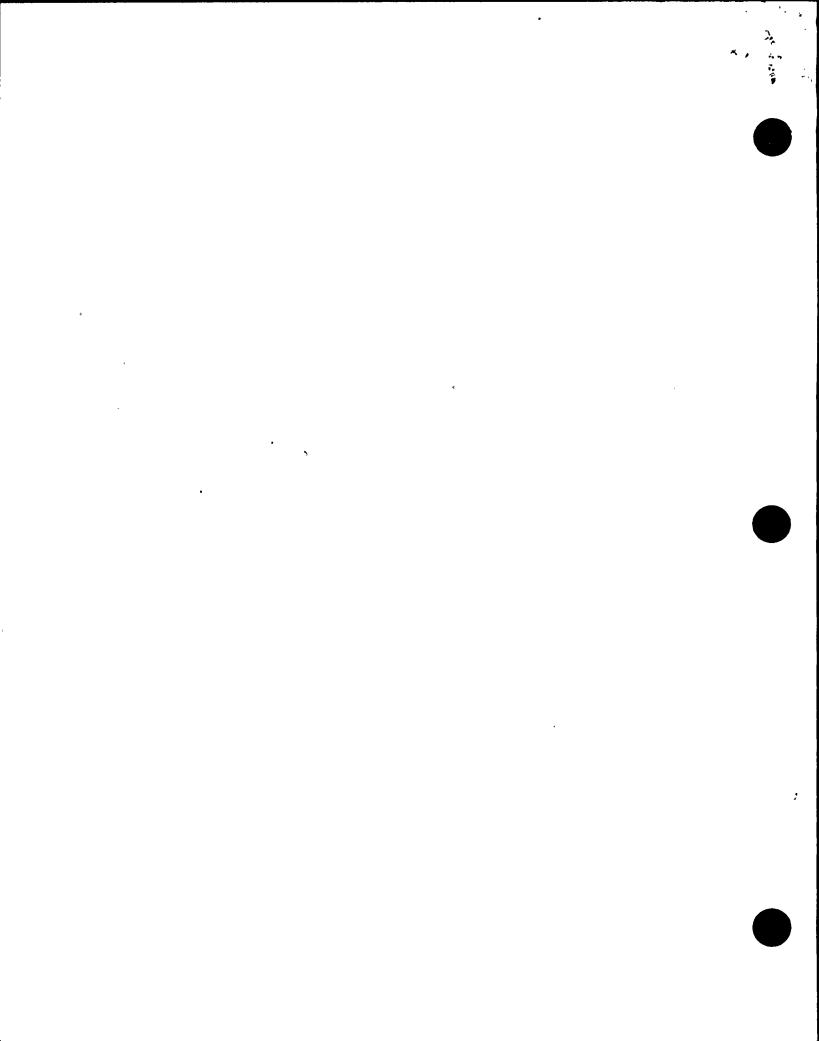
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

Comment of the ANTO 195 Comment have been seen so seen in
1. (a) Manufactured by General Electric Co., APED, 175 Ourtner Ave: San Jose, California
. (b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niggre (Name and sources of meandacturer of belier of Vessel) Mohawk Unit 1
2. Identification-Manufacturer's Serial No. of Part
(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE. APED: D. L. Poterson
(b) Description of Part InspectedControl Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref, letter dated
July 14, 1966.
See sketch showing configuration and materials used. living tested at 2110 psi
We certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
more certify that the statements have in this manufacturer is partial data report are correct and that all details of materials, construction, and markmanship of this vessel conform to the ASME Code.
Re August 8 19 67 Signed General Electric Co. 11, -7; (1) Grandelium)
Anficate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, helding a valid commission issued by the Notional Brand of Residenced Pressure Vessel Inspectors and/or the
State of CALIFORNIA and employed by Division of Industrial Safety of
Department of Industrial Relations have inspected the part of a pressure seased described in this granulacturer's partial data report on
and belief, the manufacturer has constructed this port in accordance with the applicable sections of the ASUP Hotler and Pressure
Vessel Code.
By signing this cortificate, neither the Inspector nor his employer makes any marranty, expressed or implied, concerning the part
described in this manufacturer's partial data report. Furthermore, nother the Inspector nor his employer shall be liable in any manner
for any personal injury or property lamage or a loss of any hind arising from or connected with thir inspection Date 7-11-19-19-19-19-19-19-19-19-19-19-19-19-
Date 771 1121 Commissions (%) (706
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			tube sections.						
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o, rube	SHEETS: Sta	rienary. Mar	eria:		Dia	m. In	. Thickness	In. Attachme	nt
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** *******	(2)								
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(c) Flo	ovable, bolts	(c)			Oth	er fastening	च्छ∙स्ताध्यः	v Allach Moteh) when -20")	
(c) Flo If remo 15. Const allow:	ovable, bolts ructed for ma at le working	(c) iz.		rai at max.	Oth	er fastening	च्छ∙स्ताध्यः	v Allach Moteh) when -20")	
(c) Plo If rem 15, Const allow: irems belo	ovable, bolts ructed for ma at le working	(c)	Il scass la wher	rei at man.	Oth	er fascening	(Describe a Min. temp. (F. less than -	v Allach Misteh)	
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ms 12-15 incl. 5	a be completed	for inner char	abers of ischet	ed vessels, or c	bannels of he	at eschangers.		
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ms 12-15 incl. i SHELL: Materi	al (Kind and Spec	T.S.	nbers of jacket	ed vessels, or c	Corrosum In. Allowance	est eschangers. e,ln, Diam	_Ftla. Len	ft elveted decribe sour
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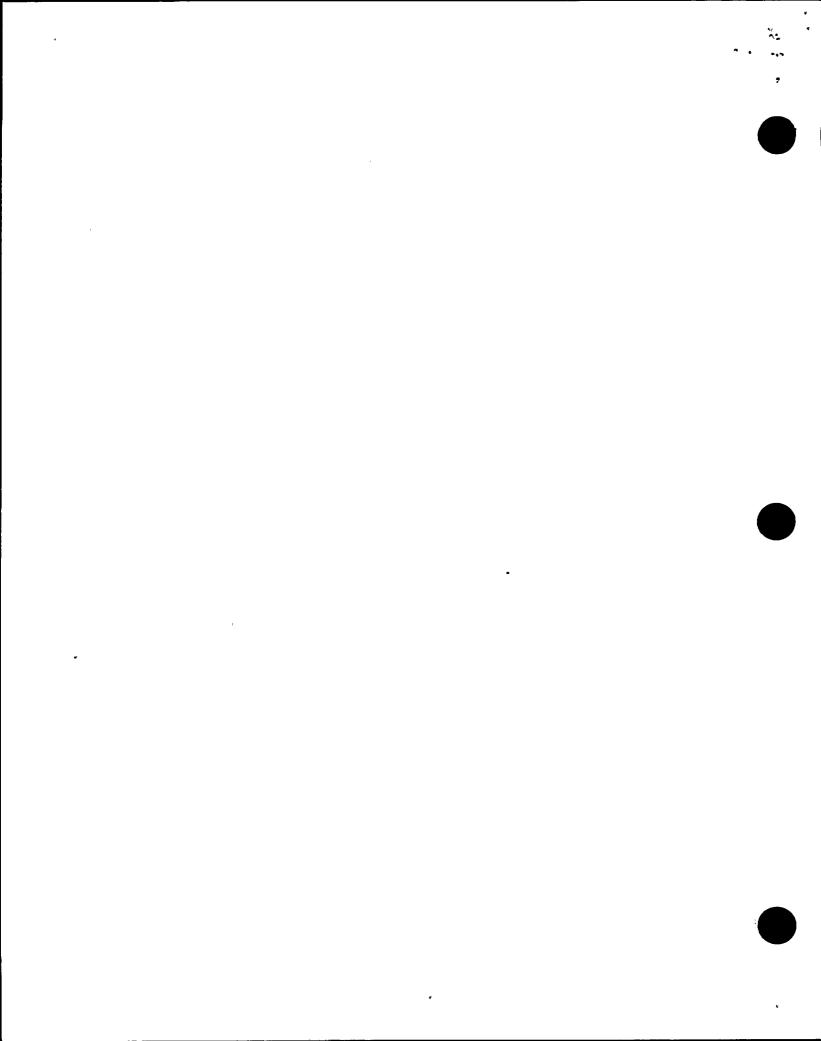
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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(None and address of manufacturer of part)
(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at
(Name and address of manufacturer of bottles or vessel Ningth Mollank Unit
2. Identification-Manufacturer's Serial No. of Part 71: -34367,579,579,498,753,538,641,549,551,561,655,67
(a) Constructed According to Blueprint No. 237E179 G1 750, 625 B.P. Prepared by GE, APED: D.L. Peterson
,
(h) Description of Part Inspected Control Rod Drive
3. Remarks Fabricated and inspected in accordance with Section VIII and applicable nuclear
code cases (1270-N) with exceptions as agreed upon with customer. Ref. letter dated
July 14, 1966.
——————————————————————————————————————
See sketch showing configuration and materials used. Hydro tested at 2110 psi
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Te certify that the statements made in this manufacturer's partial data report are correct and that all details of materials, construction, and
workmanship of this vessel conform to the ASME Code.
a subject that the common three to the common
Die July 316 19 07 signed General Electric Co. ny
te July 316 19 67 Signed General Electric Co. nv (Kepresemative)
tificate of Authorization Expires December 31 19 67
CERTIFICATE OF SHOP INSPECTION
1, the understaned, holding a valid commission issued by the National Freed of Bellie and Pressure Vessel Inspectors and or the State of CALIFORNIA and employed by Division of Inchistrial Safety
Description of Indicated Policions
Department of Armstrial Relations have more not the part of a pressure seased described in this
menufacturer's partial data report on
and belief, the manufacturer has constructed this part in accombace with the applicable sections of the ASEE Boiler and Pressure
Vessel Cade.
By signing this certificate, newher the inspector not his employer makes any marranty, espressed or implied, concerning the part
described in this manufacturer's partial data report. Furthermore, neither the Inspection nor his employer shall be liable in any manager
for any personal injury or property damage or a look of any hind arising from or connected with this inspection.
$v_{m} = v_{m} = v_{m$
Direct Commissions (Tal 756
nepetarie Signalure
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ms 4-9 incl. to be	TWO THE THE	PLICABLE -	SEE BLUEP	RINT_237E	179 GL A	nd ention		
	completed for s	ingle wall vess	ris (such as air	r tanks), jack	ers of jacker	red vessels, or	shells of heat	exchangers.
. SHELL: Material	(KinJ enil Spec.)	T.S. (F G. or F. D	N T J. & Spec. Min. T.	lominal hickness .s.)	Corrosi In. Allowas	oa eccIn. Diam	Fc la. L	eagth_Ft1
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Girth . HEADS: (a) Mater	, rial	II.T	X.R	(b) Material	icctioned	No. of Co	ourses	form.
Lecation . (Top, hullon, enda)	Thickness	Crown !	Knuckie I Radius	Elliptical Relie	Conical Apel ongio	Hemispherical Radius	Flat S Diameter (Co	ide to Presure
(a)						•		*
If removable, bol				_Other faste	ning	(Describe or All	ch Sketch)	***************************************
. STAYBOLTS:)iam. (Nominal)
. JACKET CLOSU								
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rms 10 and 11 to b	e completed for	tube sections.			······································	,		
). TUBE SHEETS:		crial Kind & s						
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Girth 4. HEADS: (a) Mac	crial	r.s	" (b) Man	erial	T.S	(c) Water	ial	1.8
 '	Thickness	CIVER	Kri rele Redius	E'liptical Ratio	Contral	Hemispherical		
Lecation					Apre andle			Bide to Pressur anves or Conce
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(a) Top, bottom, (b) Channel (c) Floating				(b)		Redius	Disneter (C	Bide to Pressie
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(a) Top, bottom, (b) Channel (c) Floating If removable, be 15. Constructed for allowable work 4	(c)	vessels where	psi at max. to	Number) (b) Other	or fastening	(Describe or Min. temp. (a F. less than	Allock Blotch)	Side to Pressur enves or Concs
(a) Top, bottom, (b) Channel (c) Floating If removable, be (5. Constructed for allowable work) (tems below to be of (6. SAFETY VALV (7. NOZZI FS:	(c)	I sessels where Number	pai at max. to applicable.	Sumber) (b) Other	er fastening	(Describe or Min. temp. (a F. less than	Dismeter (C	Side to Pressur enves or Concs
(a) Top, bottom, (b) Channel (c) I-loating If removable, be 5. Constructed for allowable work tems below to be c 16. SAI-ITY VALA 17. SOZZI FS: 11. spore folet, 12. Cheet, Inami	(c)	l vessels where	pai at max. to applicable.	Sumbor) (b)	r fastening	(Describe or Min. temp. (a F. less than	Allack Blotch) ches (C) ation Reinforcement Motorial	Elde to Pressur anves or Conce
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Ow	mer <u>Niagara Moha</u> Name	wk Power Corporation	D	ate <u>March 21, 1997</u>			
· 	•	O. Box 63 Lycoming N. Address	Y. 13093	Sheet1	_of	_1	
. 2. Pla	nt <u>Nine Mile Po</u> Name	int	Unit	1	•	•	·
<u>P.</u>	O. Box 63 Lycoming Address	New York 13093		Mech. Maint. Work Repair Organization			
	Nine Mile Point P. Addresentification of System Applicable Constru	Niagara Mohawk Power Name O. Box 63 Lycoming N.) is of CRD CONTROL ROD ction Code ASA B31.1 of Section XI Utilized for	7. 13093 Authori D DRIVE 1955 E		/A	. Code Case	
		onents Repaired or Repla	-				
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
CRD 50-27	General Electric	6840	N/A	NC02 CLASS 1	1977	REPLACEMENT .	Yes
:							
′ ′ <u>(2 ea</u>	scription of Work Re) flange capscrews 1	eplace Control Rod Drive per ASME Work Plan in	with rebuilt spar Work Order 96-0	e as part of preventive 2662-20 at core location	e maintena ion 50-27.	nce. Replaced CRD	and
	•	umatic D Nominal Oper ure <u>1044.6 PSIG</u> Test T	•		II-IST-LK	<u>-101</u>	
NOT	E: Supplemental s	heets in form of lists,	sketches, or dr	awings may be use	ed, provid	led (1) size is 8 ½ ir and (3) each shee	1. X t is

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.

FORH HIS-2 (Back) (Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Replaced two (2) flange capscrews due to worn allenhead, heat Code MI for capscrews. VT-1 for ISI per NDE Report No. 1-2.01-97-0084 and VT-1 for PSI per NDE Report No. 1-2.01-97-0011 for capscrews (2ea.). CRD exchanged as part of preventive maintenance. Serial No. 6840 replaced by serial no. 6810. VT-2 per NDE Report No. 1-2.01-97-0136. Reference DER 1-97-2185.

CERTIFICATE OF COMPLIANCE

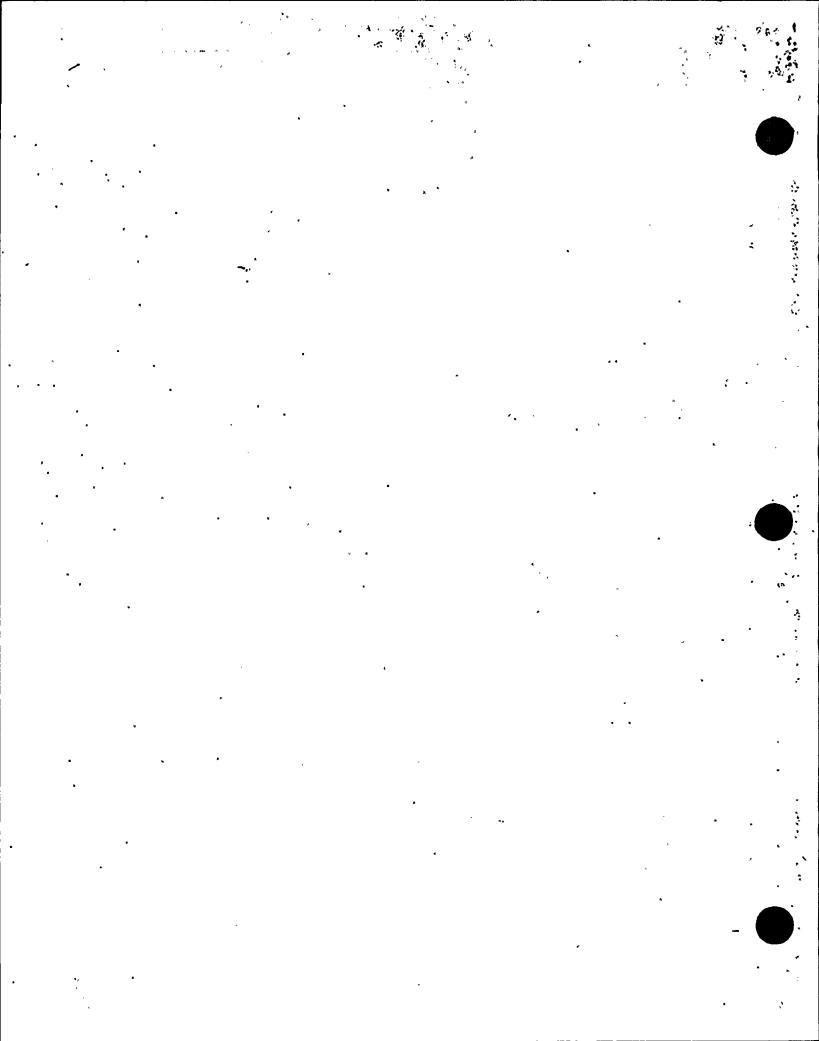
conforms to the rules of the

We certify that the statements made in the report are correct and this replacement

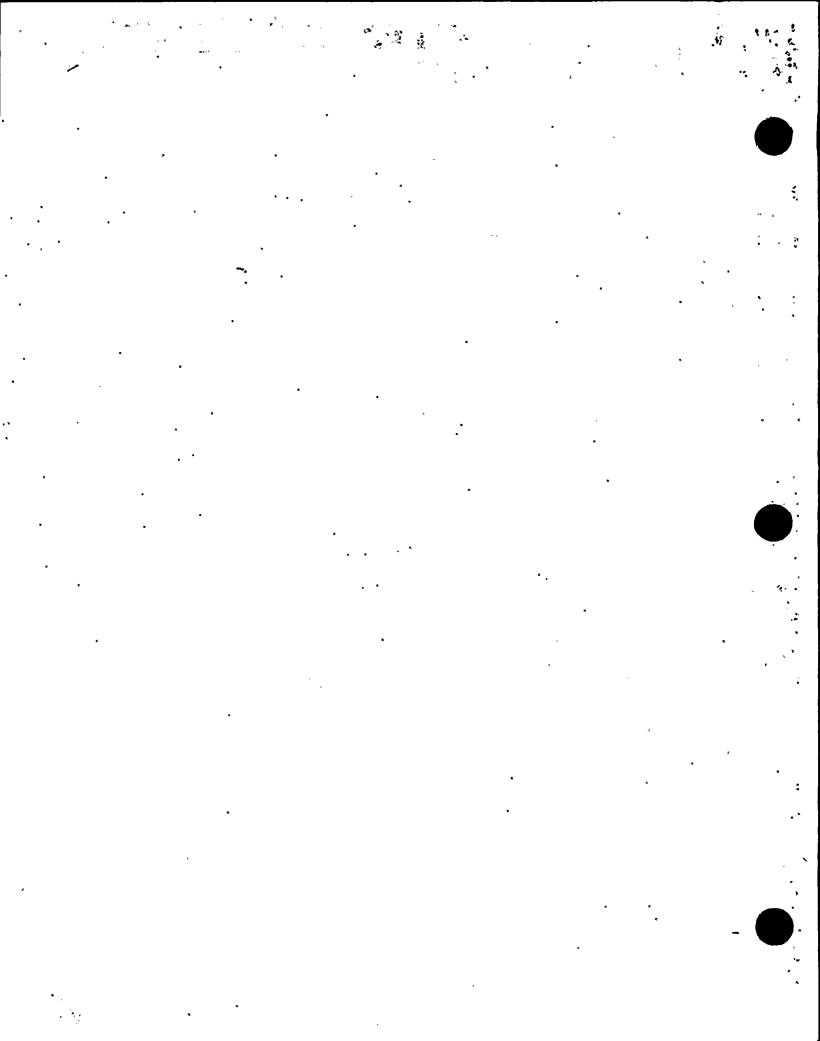
ASME Code, Section Al. : repair of reptacement
Type Code Symbol Stamp None .
Certificate of Authorization No None Expiration Date None Signed St. G. Lou Fra. S. WYY HANAGES MAINTOU Date 7/29, 19 97 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid 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 UNIT 10 to 7 70197, 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.
Zynn Daylessen Commissions NB 8496 N + 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date7/30 ,19 97

2FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N. C. (Name and address of Manufacture of part) (b) Manufacture of full interest Electric Co., San viose, Culif. (Name and address of Manufacturer of component) 2. Identification-Manufacturer's Serial No. of Part 6810 Nat'l Ild. No. (a) Constructed According to Drawing No., 919D258G002 Drawing Prepared by D. L. Peterson (b) Description of Part Inspected, Cylinder Tube and Flange (c) Applicable ASME Code: Section III, Edition 1974, Addenda date 1000, Case No., 1361 Class 1 3. Remarks: Standard part for use with reactor (Untel description of service for which component was designed)
2. Identification-Manufacturer's Serial No. of Part 6810 Nat'l Itd. No. (a) Constructed According to Drawing No. 919D2586002 Drawing Prepared by D. L. Peterson (b) Description of Part Inspected Cylinder Tube and Flange (c) Applicable ASME Code: Section III, Edition 1974 Addends date 10ne Case No. 1361 Class 1
2. Identification-Manufacturer's Serial No. of Part 6810 Nat'l IId. No. (a) Constructed According to Drawing No. 919D2586002 Drawing Prepared by D. L. Peterson (b) Description of Part Inspected Cylinder Tube and Flange (c) Applicable ASME Code: Section III, Edition 1974 Addenda date 110ne Case No. 1361 Class 1
(b) Constructed According to Drawing No. 919D258G002 Drawing Prepared by D. L. Peterson (b) Description of Part Inspected, Cylinder Tube and Flange (c) Applicable ASME Code: Section III, Edition 1974, Addenda date 110ne, Case No. 1361 Class 1
(L) Description of Part Inspected. Cylinder Tube and Flange (c) Applicable ASME Code: Section III, Edition 1974. Addenda date. Hone., Case No. 1361. Class. 1
(c) Applicable ASME Code: Section III, Edition 1974, Addenda date llone, Case No. 1361 Class 1
a personal Standard part for use with reactor
40 Children in the Control of the Co
Hydrostatically tested at 1820 psi.
Mydrostaercarry tested at 1020 psr.
9
c
We certify that the statements made in this report are correct, and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Hanufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)
12-28 10 77 of CE HEDD LEID EN TO MICKEY & BYCOOD
Date 12-28 19.77 Signed GE !IEPD-!:ID-EI By W. By W. C. T. TY CROSS
Certificate of Authorization Expires JUNE 16, 1978 Certificate of Authorization No. Nel 151
CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
Design information on file as General Electric Co., NEPD-WAD-Ell, Castle Hayne Rd., Wilmington H.C.
Suess analysis report on file at General Electric Co., NEPD-WID-EN, Castle Hayne Rd., Wilmington, H.C.
Design specifications certified by Vernon W. Pence Prof. Eng. State Calif. Reg. No. 14488
Suess analysis report certified by Vernon V. Pence Prof. Eng. State Calif. Reg. No. 14488
CERTIFICATE OF SHOP INSPECTION
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Morth Carolina and employed by Department, of Labor of State of Morth Carolina have inspected the part of a pressure vessel described in this
Manufacturer's Partial Data Report on
Date 12/31 10 77
Inspector of instance Commissions No. 799 PA EC21.60 Ohto
Inspector's Regulation No.



here Ind. to be com	pleted for single wat	l vessels, ja	cters of jac	sted vessels	or shells of	heat exchange	5,
4. Siell: Material (Kind & S	r.S. presito,) Min. of Kong	Nominal Thickness Specified)	_ in. Allow	slon ancein.	Dia (1	in. Length_	(ı, in,
5. Scams: Long	11.7.1		R.T.		Efficiency		. %
						cs	
6. Heads: (a) Material _		T.S			ـــــ اد	T.S	
Location (Top, bottom, ends)	Thickness Radiu		Elliplical Ratio		Hemlepheele Radius	Diemeter	Side to Piess. (Conv. or Cons.)
(a)		,					
If removable, belies us	e.i	. No., T.S., Siz		Other fast	ening	(Describe or alloc	th sketch)
7. Jacket Closure: (Deser	be st oger and weld, ba	, etc. if bar give	e dimensions,	if bolted, desc	nbe of sketch)	··	
••	•					p Weight	
8. Design prepaure?	1250	psi a	·	575		remb. of	(t-1l
Items 9 and 10 to be comp	leted for tube sectio	n \$					
9. Tube Sheets: Stations	ory. Material	Di	A	Thi	cknessin	. Attachment'_	•
, C	(Kind &	spec. No.)	(Subject to	pressure)		. (Welded, Dolled)
Floatin 10. Tubes: Material	g. Material	Di	3	Thic	cknessin	. Attachment	
10. Indes: Material	Q.D.	tn. Th	icrucss	A E+E4	. Number		(Str. or U)
Items 11-14 incl. to be co	ompleted for inner ch	ambers of jac	keted vesse	ls, or channe	ls of heat ex	changers.	
-10		Nominal	Corre	sion			
110 Shell: Material (Kind & S)	T.ST.S	Thickness _ Specified),	in. Allo	vancein.	Dia (u_	in. Length_	frin
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C Girth			_R.T		No. of Cours	· ·	
Len liends (a) Marerial _		T.S		_ (b) Materia		T.S	
Lecation	Crow TNekness Rediu		Elliptical Ratio	Conical Aprz Angle	Hemispheric Rudius	ol Flm Diometer	Side to Press. (Conv. or Conc.
(a) Top, bottom, ends							
(b) Channel Il removable, bolts u		(h)	<u></u>		ther fascening		
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					Cha	arpy linpact	(1-1)
14. Design pressure2		psi a	·		F at (cmp. of	"F
lieus belon to be comple	ed for all vessels w	pere abblicas	le.				
15. Safety Valve Quileta: 16. Nozeles;	Number	Size	L	ocation			
Purose Unles,				•		Reinforcement	
Outlet, Proint	Number Dia. er	Size Ty	pe Hat	ecial Th	icknes:	Hoterrol	How Attached
							······································
			<u> </u>				
Openings: Handhole	· ,	Size	Loc.	iion			
13. Supponer Skin tve						ched	
		-15-54)	(200000	11.4	********	f#hr	
Elit butter internal are	ird, retressal processes with c	rung lastisanu		applicable.		•	•



ATTATCHMENT TO

FORM SQUASPEACECRERS IN CARRESORY FOR MICELARD PART AND APPERTANANCES.

As required by the Proxisions of the ASM Code Rates

to and the same of	** * * * *** /** L		
1. (a) Manufactured by General Electric (o., Castle Hayno	: Rd., Wilmington, A. (l
(b) Manufactured for General Electric (o., San Jose, Ci	ilif. e et completed ma trai i emparant	
2. Idear deation-Manidacturer's Serial No. of Part	6810	Nac'l Isl. No	****

(b) Description of Part Inspected Cylinder Tube and Flange

(c) Applicante ASM Caste: Section III, Cutton, 1971___, Adicinariate from C. 1, Caste So., 1901__Class, 1,1____

3. Remarks: Standard part for use with reactor during the standard part for use with reactor to which component was distanced.

<u>Hydrostatically tested at 1820 psi.</u>

1. Cap 167A2343P1

co · (167A2343)

sA182-F304

co 3/8 thick x 1 1/16 OD

9. Indicator Tube 10481336P1
SA312-TP316
3/4 sch 40-scamless pipe
0.113 wall thickness
1.065 max. dia.

Plus 159A1176P1
SA182-F304
1/4 thick x 0.812 OD

Flange 919D610P1 (719E474)

SA162-F304

3.37 thick x 9 5/8 OD

neck 1 1/16 thick x 5.0 OD

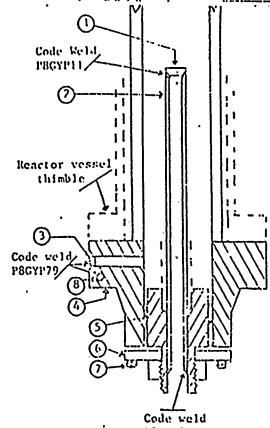
2.875 ID

5. Head 129B3539r1 SA182-F304 7/8 thick x 2.875 Dia.

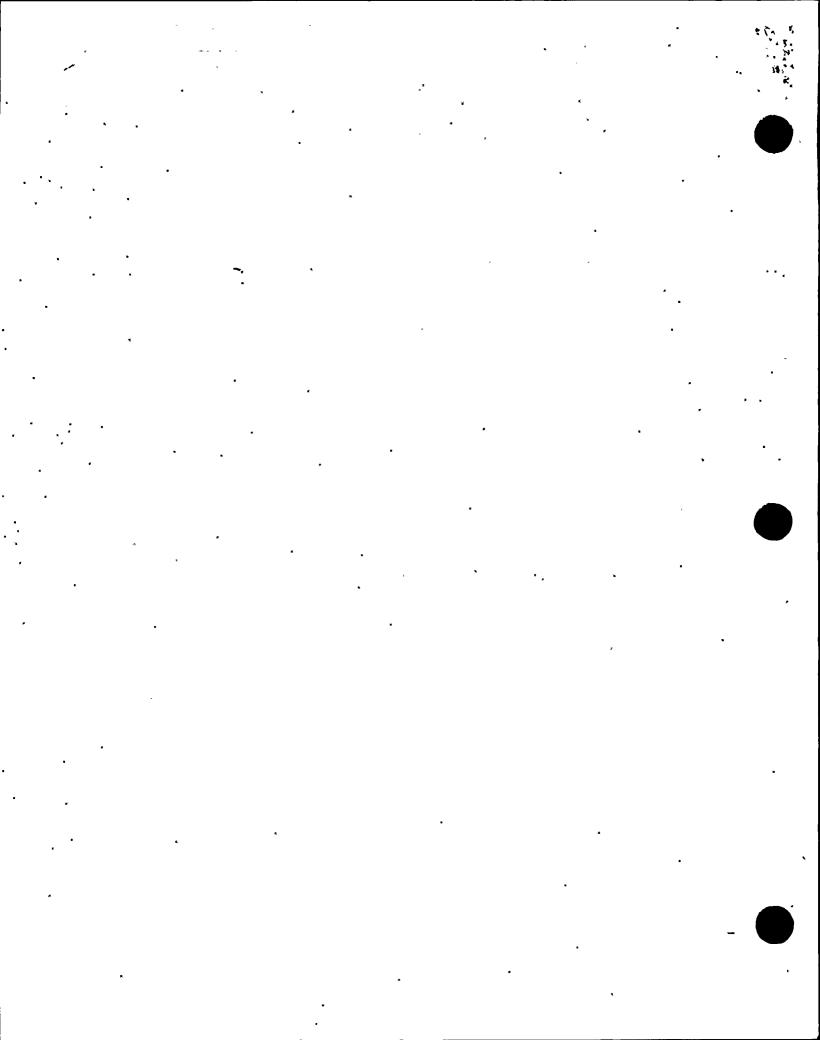
6. Ring Flange 114B5122P2 SA182-F304 1" thick x 5.0 OD x 1.75 1D

7. Cap Screw 117C4516P2 SA193-B6 6 ea.1/2 dia. on 4 1/8 bolt circle

8. Flug 175A7961P15A182-F3040.38 thick x 1.307 dia.



PSCYP7
Rolled before weld



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

As Required by the Provisions of the ASME Code Section XI

	Nine Mile Point	P.O. Box 63 Lyco Address	ming N.Y.	13093 Sh	eet	of	1
2. Plant	Nine Mile I Na			Unit	<u> </u>		
<u>P.O.</u>	Box 63 Lycomir Addr	ng, New York 130 ress	093		ech. Ma r Organi	int. Work Order No. 9 zation P.O. No., Job N	96-03849-(o., etc.
	Nine Mile Point I Add ification of Syster pplicable Constru		ning N.Y. 1 DL ROD DR B31.1	Authori Ex	zation N piration	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u> Addenda, <u>N/A</u> Coo	
. Iden	tification of Com	ponents Repaired o	or Replaced	and Replacement Co	omponen	ts ,	
e 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
50-	General Electric	71-555	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes
				,			
						,	
					ı	-	
er ASN	iption of Work IME Work Plan in	Replace Control Ro Work Order 96-0	od Drive with 3849-00 at c	n rebuilt spare as pa ore location 50-35.	rt of pre	ventive maintenance. R	eplaced C
F	Hydrostatic 🗆 Pr	neumatic 🗆 Nom	inal Operatir	ig Pressure 🗆 - Te	st Proce	dure: N1-IST-LK-101	_

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.



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

9. Remarks: This was not a service failure. CRD exchanged as part of preventive maintenance. Serial No. 71-555 replaced by serial no. 7152. VT-2 per NDE Report No. 1-2.01-97-0136.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period III 15 96 to 7/23/97, 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 AIB & 496 NY 28/2 National Board, State, Province, and Endorsements
Date 7/23,19 <u>47</u>

(12/82)

· FORM K-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

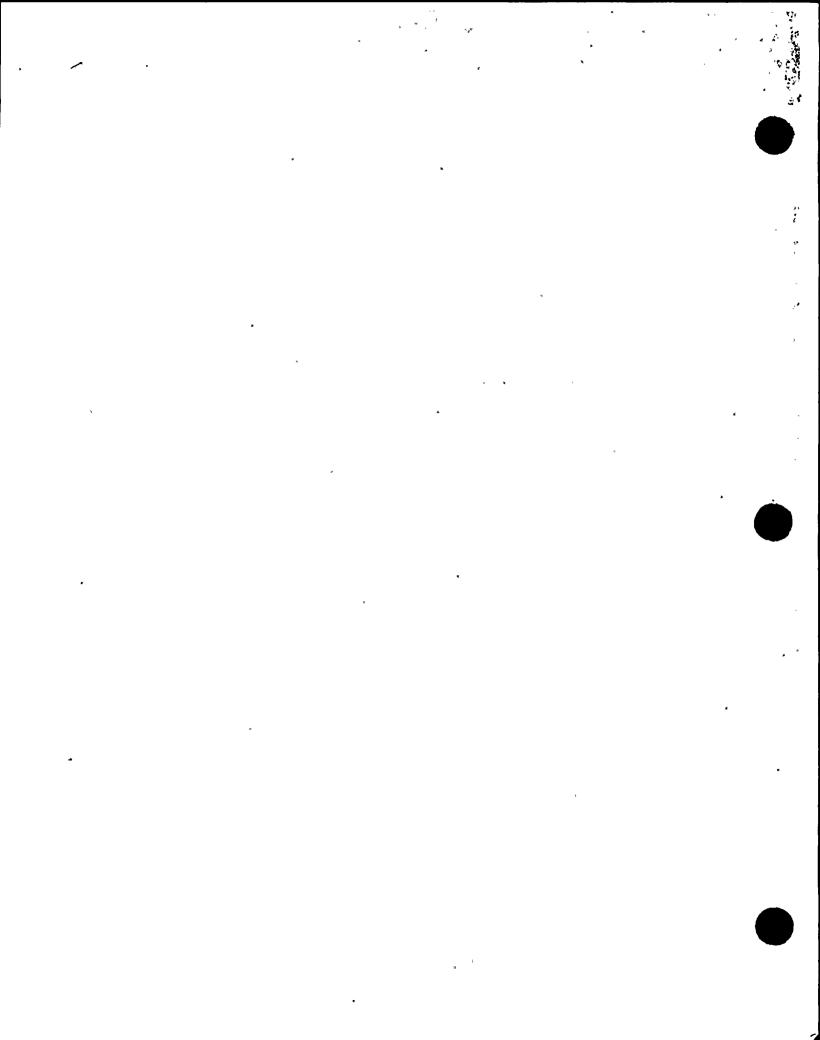
As required by the Provisions of the ASME Code Rules 1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, H. C. (Hume and address of Manufacturer of part) (b) Manufecture 17: Go mai Electric Co., San dose, Calif. · (Name and address of Manufactures of completed nucleus component) _Nat'l IIJ. No. _ 2. Identification-Manufacturer's Serial No. of Part. (a) Constituted According to Drawing No. 919D258G902 Drawing Prepared by D. L. Peterson (b) Description of Part Inspected Cylinder Tube and Flange (c) Applicable ASME Code: Section III, Edition 1974 , Addendadate None , Case No. 1361 Class 1 3. Remarks: Standard part for use with reactor (Ursel description of service for which component was designed) Hydrostatically tested at 1820 psi. C: We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.

(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.) __ 19_77 Signed GE_HEPD-HID-EIL (Manufactures) Certificate of Authorization Expires June 16, 1978 _ Certificate of Authorization No. ___N-1151 CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable) Design information on file at General Electric Co., NEPD-WMD-EM, Castle Hayne Rd., Wilmington, H.C. Suess analysis report on file at General Electric Co., NEPD-WMD-EM, Castle Hayne Rd., Wilmington, H.C. Design specifications certified by Vernon W. Pence Prof. Eng. State Calif. Reg. No. 14488 ___ Prof. Eng. State Calif. Reg. No. 14458._ Suess analysis report certified by Vernou W. Pence CERTIFICATE OF SHOP INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Hoiler and Pressure Vessel Inspectors and/or the State or Province of Morth_Carolina_ and employed by __Department. of Labor_ have inspected the part of a pressure vessel described in this <u> State of Kerth Carelina </u> with this insection. NC 799, PA WC2L60, Ohio . Commissions .. National Heart, State, Printing and No. Supplemental sheets in form of lists, sketches or drawings may be used prosided \$11 size is 45,00 a 110, \$2) information in figure 1.22 on this

3 d

FORM N-2 (Intek)

11. 5	ns 4-8 liet, to be comp	deted for su	ngle wall s	ersels, ja	kets of jac	teted vessel	s, or shells	of heat exchange	15.
	Shell: Material (Kinste S;								
5.	Scams: i eng	11	.r. <u>'</u>	•	_ R.T	·	_Efficiency		. %
•	Ginth	1	.T.1		_ R.T		. No. of Cou	1503	-
6.	lleads: (a) Material			_ T.S. _.		— (b) Масеці	ial		
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	(a)								
	If removable, bolts use	ed				Other las	· ····································		
	If temovable, bolts us	(Mate	nol, Spec. N	io., T.S., Siz	e, liumber)			(Describe or alle	h sketch)
7.	Jacket Closure: (Descrit	be as ogee and	weld, bar, e	tc.ll bar give	t dinensions	, il bolled, desc		top Keight	
6. C	Design pressure2	1250	1	psi at		575	C	harpy Impact	(1-1
	as 9 and 10 to be compl	cted for tub	c sections			- 			
									
8.	Tube Sheets: Stational	ry. Material.	(Kind & So	Di:	(Subject to	Thi	ckness i	a. Attachment	Walded Dales to
0.	Tubes: Material	· Material	O.D.	in. Thi	ickness	inches	cknessı	n. Attachment	
			_	''''			r. Number.		(Str. or U)
57	is 11–14 incl. to be con	mpleted for	innet cham	bers of jac	Leted vesse	ls, or channe	ls of heat e	xchangers.	
	Seams: Long	H	.T.1		_ R.T	 	. Elliciency.		_%
9	lieads (a) Material			T.S		_ (b) Materia	1	T.S	
	Location (2) Top, bottom, ends. (b) Channel	TNckness	Crown Radius	Knuckle Redius	Elliptical Ratio	Conical Apex Angle	Hemispher Rudius	ical Fint Diameter	Side to Press. (Cenv. or Conc.)
	(b) Channel								
	If removable, bolts use	cd (a)	(t	·)	(c)		thet fastenie	·s	
				•			, D	Describe or a 	ttach sketch)
	n 1						CI	harpy Impact	(t•1b
4.	Design pressure?		·	psi at	'		UFat	temp. of	°F
lca	is below to be complete	d for all ve	sacts wher	e applicabl	e.		 	····	
	C.(. 11		· · · · · · · · · · · · · · · · · · ·						
	Salety Valve Outlets: Nozzles:	Number		Size	L	ocation			
	Purere (Inter.	lumber	Dia, or Size	r Typ	e Hat	· ·	lcLnes:	Reinforcement Material	How Attached
	<u> </u>	· -							
									·
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•	Inspection Manholes, Openings: Handholes	 		/// //	1.662 1.662	::::::::::::::::::::::::::::::::::::::			
	tucanen,	·//••		:<	[,0/3	(in) -, -,			
8.	Soppone: Stin(Yee	37 837 Lug	`~;,;;	l.cgs .	(Nucheri)	Other	.: edie) Att	achedholos	ir & Haus
	t If Pustmets Hear-Treate List other internal or ex	d, teenut peessu	ie with goin	icident tengr	. " resture when	opplicable.			•
rin	led on U.S.A. (1*22)						ulhe ASUP (IAS F. AZIL SI Nas	. Varie U.V. tatate



FORM NO MANUFACTURERS HATA REPORT FOR NECLT AR PART AND APPERTANANCES.

As required by the Proxisions of the ASM, Code Rates.

- 1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, H. C.

(14) Manufactures for General Electric Co., San Jose, Calif.
(Nation and address of Manufactures of completed not fear component)

(a) Constructed According to Drawing No. 91902505002 Drawing Proported by D. L. Peterson

th Description of Pan Issuered - Cylinder Tube and Flange

(c) Applicable ASML Code: Section III, I dution, 1974____ Addended to Hone Case So. 1361 _ Class 1

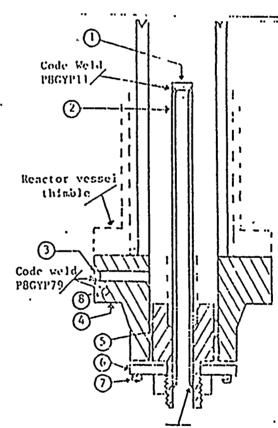
3. Remarks: Standard part for use with reactor (Burl description of service for which component was designed)

Hydrostatically tested at 1820 psi.

- 1. Cap 167A2343P1 (167/2343)
 - SA182-F304 3/8 thick x 1 1/16 OD
 - Indicator Tube 1048133611 SA312-TP316 3/4 sch 40-seamless pipe 0.113 wall thickness 1.065 max. dia.

Plug 159A1176P1 SA182-1'304 1/4 thick x 0.812 OD

- 4. Flange 919D610F1 (719E474) C SA162-F304 3.37 thick x 9 5/8 ODneck 1 1/16 thick x 5.0 0D 2,875 ID
- 5. Head 129B3539P1 SA182-F304 7/8 thick x 2.875 Dia.
- 6. Ring Flange 114B5122P2 SA182-F304 1" thick \times 5.0 OD \times 1.75 1D
- 7. Cap Screw 117C4516P2 SA193-86 6 ea. 1/2 dia. on 4 1/8 bolt circle
- 8. Plug 175A7961P1 SA182-F304 0.38 thick x 1.307 din.



Code weld P8CYP7

Rolled before weld

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

w.		Box 63 Lycoming N.Y. Address	13093	Sheet1	of		
2. Plar	t <u>Nine Mile Point</u> Name	·	Unit	1,	<u> </u>		
<u>P.O</u>	. Box 63 Lycoming, N Address	New York 13093		Mech. Maint. Wor Repair Organization	k Order N	o. 97-00594-02 ., Job No., etc.	
	-	agara Mohawk Power Co Name Box 63 Lycoming N.Y.	•	pe Code Symbol Star uthorization No. <u>N/</u> Expiration Date <u>N</u>	•		
5. (a) A (b) A	Applicable Construction of S	EMERGENCY COOLING ON Code ASA B31.1 Section XI Utilized for Recents Repaired or Replace	1955 epairs or Repla	Edition <u>, N/A</u> Addicements 19 <u>83, Sum.</u>	denda <u>, N/</u>	A_ Code Case	
NAME OF COMPONENT	NAME OF MANUFACTURER	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICATION	Yoar Built	Repaired Replaced, or Replacement	ASME Code Stamp (Yes. or)
-A2	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	МО
	<u> </u>		<u> </u>	<u> </u>	<u> </u>	•	<u> </u>
7. Desc XI and 1M003	ription of Work: Attac in the ISI program p 86 and DDC 1M0033	hed supports 110-SR6 an lan. Installation was con 2B.	d 110-A104 w upleted in acco	hich are not ASME X	I. to suppx ork plan.	ort 39-A2 which is AS W.O. 97-00594-02. D	ME DC
		essure test not required.			_		
,	•	atic Nominal Operati	•	Test Procedure: N	lone		
	Other Pressure	Test Temp	°F				

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

9. Remarks: This replacement was not the result of an inservice failure. Fabricated /installed supports 110-SR6 and 110-A104 using the following materials. Weld filler materials E7018- 3/32" Cert. No. C-96-0214 HT. No. 76970, E7018-1/8" Cert. No. C-96-0787 HT. No. 66986, plate (1/4") Cert. No. C-96-0599 HT. No. U0189, plate (3/8") Cert. No. C-92-1001 HT.No. YZ7334, stock angle Cert. No. C-92-1393 HT.No. 520871, stock tube Cert. No. X5A00883 HT.No. T83333, u-bolt (Grinnell FIG. 137 Cert. No. C-97-0362 (see attached Grinnell letter dated 3/17/97 P.O. 97-13958). Weld inspection completed under QIR 's 1-97-0259 (for support 110-SR6) and 1-97-0260 (for 110-A104). Performed VT-3 to reestablished baseline of support 39-A2 per NDE Report No. 1-2.01-97-0128 (Reference DER 1-97-1069 for unsat condition of loose anchor bolt identified at bolt G, detail K on drawing F-39873-C Sheet 4 dispositioned use-as-is).

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 Marger Date 7.27, 19 97 Owner or Owner's Designee, Title

<u> </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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3131117 to 7/23/17, 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.
Jm D Chaleram Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

	N		Box 63 Lycoming N.Y.	13093	Sheet1_	_of	_1	
2.	Plant_	Nine Mile Point Name	. <u> </u>	Unit		······································		
	P.O. I	Box 63 Lycoming, N Address	ew York 13093		Mech. Maint. Wor Repair Organization	k Order Non P.O. No	o. 95-03412-00 ., Job No., etc.	
4. 5.	Ni Identif (a) Ap	ne Mile Point P.O. I Address ication of System <u>I</u> plicable Construction	gara Mohawk Power C Name Box 63 Lycoming N.Y. EMERGENCY COOLING Toode ASA B31.1 Extion XI Utilized for R	13093 A NG (SYSTEM 1955	Edition <u>, N/A</u> Add	A /A lenda, <u>N</u> /	A_ Code Case	
	• • • •		nts Repaired 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 Stampe (Yes or No
39-115-02		LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	ИО
								
7.] GE	Descrip	tion of Work: <u>Replac</u>	ed cylinder in accordance	ce with ASME	work plan. W.O. 95-	03412-00	and procedure N1-Mi	MP-
8.	Tests C	Conducted:						
	Ну	drostatic 🗆 Pneuma	tic 🛘 Nominal Operati	ng Pressure 🗆	Test Procedure: N	one		
	0	ther 🗆 Pressure _	Test Temp	of				

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

 Remarks: This replacement was not the result of an inservice failure. Replaced snubber cylinder (P.O. 59414, partno. LWA107) due to galled threads. Performed VT-3/4 to reestablished baseline after cylinder replacement per NDE Report No. 1-2.01-97-0003.

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 <u>None</u> Expiration Date <u>None</u>
Signed Maint Manager Date 7.21, 19 97 Owner or Owker'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 112197 to 7/23/97, 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.
Tynn D Orders Commissions NB 8486 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements Date7/2319_97
Value

(12/82)

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

As Required by the Provisions of the ASME Code Section XI 1. Owner Niagara Mohawk Power Corporation ____ Date <u>January 18, 1997</u> Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet Address 2. Plant ___ Nine Mile Point Unit_ Name P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-00604-00 Address Repair Organization P.O. No., Job No., etc. 3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A Name Authorization No. _N/A Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Expiration Date N/A Address 4. Identification of System <u>EMERGENCY COOLING (SYSTEM 39)</u> 5. (a) Applicable Construction Code ASA B31.1 1955 Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components ASME National Repaired Code NAME OF NAME OF MANUFACTURER'S Board OTHER Year Replaced, or Stamped COMPONENT MANUFACTURER SERIAL No. No. IDENTIFICATION Built Replacement (Yes or No) 39-HS-06 LINDCO N/A N/A **HYDRAULIC** 1969 REPLACEMENT No **SNUBBER** CLASS 2

7. Description of Work Rebuilt Hydraulic Snubber using replacement parand Procedure No. N1-MMP-GEN-350.	rts per ASME Work Plan, Work Order No. 96-00604-00
	74 - 74 - 14 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
8. Tests Conducted:	•
Hydrostatic □ Pneumatic □ Nominal Operating Pressure □	Test Procedure: NONE
Other Pressure Test Temp•F	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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. Rebuilt hydraulic snubber using replacement cylinder assembly. New cylinder assembly part no. LWA107, Reference P.O. No. 59414. Performed VT 3/4 to reestablish baseline after cylinder replacement per NDE Report No. 1-2.01-97-0004.

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

repair or replacement

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</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>1115/97</u> to <u>7/23/97</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.
Zym Dalusm Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Niagara Mohawk Power Corporation _____ Date January 18, 1997_ Sheet ____1___of____1___ Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address 2. Plant Nine Mile Point Unit ____1 Name Mech. Maint. Work Order No. 96-00607-00 P.O. Box 63 Lycoming, New York 13093 Repair Organization P.O. No., Job No., etc. Address Type Code Symbol Stamp N/A 3. Work Performed By Niagara Mohawk Power Corp. Name Authorization No. N/A
Expiration Date N/A Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address 4. Identification of System EMERGENCY COOLING (SYSTEM 39) 5. (a) Applicable Construction Code ASA B31.1 1955 Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components ASME National Code Repaired NAME OF NAME OF MANUFACTURER'S Board OTHER Year Replaced, or Stamped MANUFACTURER SERIAL No. **IDENTIFICATION** Built Replacement (Yes ENT No. or No) LINDCO N/A N/A **HYDRAULIC** 1969 REPLACEMENT 39-HS-08 No **SNUBBER** CLASS 2 7. Description of Work Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plan. Work Order No. 96-00607-00 and Procedure No. N1-MMP-GEN-350.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.

Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: NONE

Pressure _____oF

8. Tests Conducted:

Other

 Remarks: This replacement was not the result of an inservice failure. Rebuilt hydraulic snubber using replacement cylinder assembly. New cylinder assembly part no. LWA107, Reference P.O. No. 59414. Performed VT 3/4 to reestablish baseline after cylinder replacement per NDE Report No. 1-2.01-97-0005.

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 Date Date Date Date Date 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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/16/97 to 7/23/97, 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.
Jynn D Order Commissions NB 84 96 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23 ;1997

	Nine Mile Point P.O. Bo Addr tNine Mile Point		,	Sheet1			
Z, I Ru	Name						
<u> P.O</u>	. Box 63 Lycoming, New Address	York 13093		Mech. Maint. Work Repair Organization			
3. Wor	k Performed By <u>Niagar</u>			e Code Symbol Stan	-		
1	Nine Mile Point P.O. Box Address		093 Au	thorization No. <u>N//</u> Expiration Date <u>N/</u>	A 'A		
	tification of System <u>LIO</u>						
	Applicable Construction Copplicable Edition of Section				• • • • • • • • • • • • • • • • • • • •		
	ntification of Components	•	•	_	<u>.02.612121</u>	•	
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamp (Yes.
K-41-31	Sarracco Tank and ManuFacturing Corp.	N/A	N/A	CLASS 2	1969	REPLACEMENT	NO
•							
						• • • • • • • • • • • • • • • • • • • •	<u> </u>
	<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u></u>
7. Desc	ription of Work: Installed ted in accordance with AS	new bolts on inspection ME work plan, W.O.	n cover and ir 97-01779-00	stalled new bolts and and DER disposition	1 nuts on r 1-97-1222	nanhole cover. Work	was
, 0 m	- Contour						
	s Conducted: Tydrostatic Pneumatic	Nominal Operating	Peocesses [Test Procedure: No	000		
•	•	Test Temp		rest Procedure: 140	OHO		



9. Remarks: This replacement was not the result of an inservice failure. Installed bolts on inspection cover (Cert. No. C-94-0375), installed bolts (Cert. No. C-93-1309) and nuts (Cert. No.'s C-94-0262 & C-97-0574).

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
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 . MASSACHUSETTS have inspected the components described in this Owner's Report during the period 5/1147 to 7/23/47, 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.
June Dardus Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,19 <u>97</u>

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

As Required by the Provisions of the ASME Code Section XI

	Name Nine Mile Point P.	O. Box 63 Lycoming N.)	<u>7. 13093</u>	Sheet1_	of		
2. Plant	Nine Mile Po	Address pint	Ur	nit1			
<u>P.O.</u>		New York 13093		<u>Mech. Maint. Wo</u> Repair Organizat	ork Order N	lo. 95-03414-00 o., Job No., etc.	
	line Mile Point P.C Addres	_	. 13093	Type Code Symbol Sta Authorization NoN Expiration Date _1			
5. (a) A (b) A	pplicable Construction of the policable Edition of the Edition of	Automatic Depressuriza etion Code <u>ASA B31.1</u> of Section XI Utilized for onents Repaired or Replac	19 <u>55</u> Repairs or Re	_Edition, <u>N/A</u> Adde placements 19 <u>83. Sun</u>			
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
66-HS-06	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No
-							
7. Descr 00 and I	iption of Work: Re Procedure No. N1	built Hydraulic Snubber usi MMP-GEN-350.	ing replaceme	nt parts per ASME Wo	ork Plan, W	/ork Order No. 95-034	14:
	_	ımatic □ Nominal Operat re Test Temp.	_		NONE		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % 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: Rebuilt hydraulic snubber using replacement parts; cylinder tube, piston rod, and front head. Cylinder tube per P.O. No. 84291, Cert No. C-89-0201, piston rod per P.O. No. 84292, Cert No. C-89-0333, and front head P.O. No. 48383, Cert No. C-1146. This was not a service induced failure. Replaced during rebuild of snubber. Support not included in program plan. Inspections performed per QIR 1-97-0202

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</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>3/11/97</u> to <u>7/2 3/9</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 Balus Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

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

As Required by the Provisions of the ASME Code Section XI

1. Own	er <u>Niagara Mohawk F</u> Name	ower Corporation		Date <u>March 29, 199</u>	7		
	Nine Mile Point P.O. I	Box 63 Lycoming N.)	<u>7. 13093</u>	Sheet1	of		
2. Plant	Nine Mile Point		Ur	nit1			
<u>P.O.</u>	Box 63 Lycoming, Ne Address	w York 13093	Mech. Repair	Maint. Work Order Norganization P.O. No	o's. 96-00:	592-00 & 96-00592-01	
	Performed By <u>Ning</u> line Mile Point P.O. B Address		_	Type Code Symbol Statement of Code Symbol Symbol Symbol Statement of Code Symbol			
	Address ification of System <u>Au</u>					-	
5. (a) A (b) A _I	pplicable Construction oplicable Edition of Sectification of Componen	Code <u>ASA B31.1</u> ction XI Utilized for I	19 <u>55</u> Repairs or Rep	Edition, N/A Adde			
e of Vent	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
-HS-09	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No
							<u> </u>
7. Desc 00592-0	ription of Work <u>Rebu</u> 0. 96-00592-01 and Pr	ilt Hydraulic Snubber ocedure No. NI-MM	using replace P-GEN-350.	ement parts per ASME	Work Pla	ns, Work Order No's.	<u>96-</u>
	Conducted:						
	ydrostatic	ic □ Nominal Opera Test Temp.	•	_	NONE	·	
		•					d
NOTE:	Sunnlemental sheets	s in form of liete s	ketches or a	trawings may he us	ad provid	had III siza is 8 1/4 in	. ~

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % 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. Rebuilt hydraulic snubber using replacement parts; lock nut, piston rod, end block, tie rod, tube and pipe nipple. Lock nut and piston rod per P.O. No. 84292 and Cert No. C-89-0333. End block, tie rod, and tube per P.O. No. 97-13392-002 and Cert. No. C-97-0319. Pipe nipple per P.O. No. 97-13583 and Cert. No. C-97-0382. Reference DER 1-97-0886 and QIR 1-97-0204.

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 Date 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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/9/97 to 3/6/97, 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 NB 8496 NY 2812 National Board, State, Province, and Endorsements
Date8/6,19 <u>97</u>

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

As Required by the Provisions of the ASME Code Section XI

1. Own	er <u>Niagara Moha</u> Name	wk Power Corporation		Date March 29, 1	997		
	Nine Mile Point P.	O. Box 63 Lycoming N Address	.Y. 13093	Sheet 1	of	1	
2. Plant	Nine Mile Po	pint		Unit1			
<u>P.O.</u>	Box 63 Lycoming Address	New York 13093		Mech. Maint. N Repair Organiza	Work Orderation P.O.	r No. 96-00595-00 No., Job No., etc.	
	line Mile Point P.C Addres ification of System	Niagara Mohawk Power Name O. Box 63 Lycoming N. s Automatic Depressuri etion Code ASA B31.1	Y. 13093 zation (SYST		N/A N/A		
		of Section XI Utilized fo onents Repaired or Repl	-	-		D D.	
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)
66-HS-15	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No

8. Tests	Conducted:	MP-GEN-350.				ork Order No. 96-00595	<u>i-00</u>
	•	re Test Temp	•		: NONE_		

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



Remarks: Rebuilt hydraulic snubber using replacement parts; cylinder assembly and lenz tee. Cylinder assembly per P.O.
No. 91431 Cert No. C-92-0407 and lenz tee per P.O. No. 97-13392-002 and Cert No. C-97-0319. This was not
a service induced failure. Replaced during rebuild of snubber. Support not included in program plan. Inspections
performed per QIR 1-97-0192.

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/4/97 to 7/23/97, 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.
Lynn Danley Commissions NB 8496 NY 2812
Tynn Dayluga Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,1997

-	Nine Mile Point P.	O. Box 63 Lycoming N.Y. Address	13093	Sheet1	of		
2. Plant	Nine Mile Po	oint	Uni	t1			
<u>.P.O.</u>	Box 63 Lycoming Address			<u>Mech. Maint. Wo</u> Repair Organizati			
—	line Mile Point P.C Addres ification of System pplicable Construc pplicable Edition o	Niagara Mohawk Power Co Name D. Box 63 Lycoming N.Y. s Automatic Depressurization Code ASA B31.1 of Section XI Utilized for Ronents Repaired or Replace	13093 on (SYSTEM 19 <u>55</u> depairs or Rep	Edition <u>, N/A</u> Adde lacements 19 <u>83, Sum</u>	/A N/A nda, N/A	. Code Case	
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)
66-HS-18	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No
···		**************************************		-			
90 and I	Conducted:	built Hydraulic Snubber usin MMP-GEN-350. matic Nominal Operatin	ng Pressure 🗆			ork Order No. 96-006	25 <u>-</u> .

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % in. \times 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: Rebuilt hydraulic snubber using replacement parts; piston rod lock nut and reservoir. Piston rod lock nut Cert. No. C-89-0333 and P.O. No. 84292. Reservoir P.O. No. 48383. Not a service induced failure. Replaced during rebuild of snubber. Support not included in program plan. Inspections performed per QIR 1-97-0203.

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 <u>None</u>
Certificate of Authorization No None Expiration Date None Signed Date Date D. 21, 19 97 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 <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>7/23/47</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.
June Danles Commissions 118 8496 44 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

1. Own	er <u>Niagara Moha</u> Name	r	Date November 11, 1996				
· .	,	O. Box 63 Lycoming N. Address	Y. 13093	Sheet1	_of	1	
2. Plan	t <u>Nine Mile Po</u> Name		Unit	_1		· .	•
<u>P.O</u>	. Box 63 Lycoming Address	New York 13093		Mech. Maint. Work Repair Organization			
	• —	Niagara Mohawk Power Name O. Box 63 Lycoming N.Y s	Authori	pe Code Symbol Star zation No. <u>N/A</u> Expiration Date <u>N</u>	•		
5. (a) A (b) A	Applicable Construction of the construction of	n PCS PRIMARY CONT etion Code ASA B31.1 of Section XI Utilized for conents Repaired or Repla	19 <u>55</u> E Repairs or Repla	Edition <u>, None</u> Adden cements 19 <u>83, Sum.</u>			
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER 'IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASM Cod Stam (Yes
KV-68-02	Attwood / Morrill	N/A	N/A	CLASS 2	1968	REPLACEMENT	No
7. Desc Work I	ription of Work: R	eplace "O" ring retainer s r 95-03823-00 at 30" che	as part of prevent ck valve CKV-68	ive maintenance. Rep 3-02.	placed "O	ring retainer per AS	ME —
8. Test	s Conducted:	•					
1	•	armatic Nominal Oper	•		11-ST-R10	<u> </u>	
	Other D Pressi	tre <u>2.3 PSI</u> Test Te	empN/A	•F			
11 in.	. (2) information	heets in form of lists, n in items 1 through 6 aber of sheets is record	on this report	: is included on ea	ed, provic ch sheet,	led (1) size is 8 ½ ir and (3) each shee	ı. X t is

9. Remarks: This was not a service failure. "O" ring retainer replaced as part of preventive maintenance. Cert for the "O" ring retainer is C-466. VT-2 per NDE Report No. 1-2.01-96-0315. Reference DER's 1-95-2638, 1-96-3014, and 1-96-3043.

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 Al Galan Fix S. DOTY, HANNEST HAINFOURIE - U7 Date . 7/29 , 19 97
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 11/1/96 to 7/30/97, 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.
June W. Cluster Commissions NB8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/30,1997

1. Owne	r <u>Niagara Moha</u> w	k Power Corporati	on	Date		5/16/95	
	Nine Mile Point	P.O. Box 63 Lycon	ing N.Y. 130)93 She	el	of	11
2. Plant	Nine Mile	Point Name		U	nit	1	
	Box 63 Lycomine	, New York 13093 ddress	3	<u>Mechanical Mai</u> Repair		. W.O. 95-00149-03 tion P.O. No., Job N	o., etc.
	Nine Mile Point	Niagara Mohawk F Name P.O. Box 63 Lycom Address m_Drywell and Tol	ing N.Y. 130	93 Exp	•	Stamp <u>N/A</u> rization No. <u>N/A</u> Date <u>N/A</u>	
(b) A	pplicable Edition	of Section XI Utili	zed for Repa	on <u>6TH</u> Addenda, airs or Replacemen and Replacement (ls 19 <u>83</u>	3. S83	
AME OF MPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASHE Code Stamped (Yes or No
S-SC-1	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
-SC-2	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
-SC-3	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
without 8. Tests	the required ASA Conducted: None	stalled tubing sup -0021,6009, and N E documentation. Required. Non property of the second support of the s	essure boun	dary work.		-03. Modification N1 ritten due to work b cedure: <u>None</u>	
				-	r sed, prov el, and (rided (1) size is 8 % i 3) each sheet is nun	in. x 11 in., (nbered and th

9. Remarks: This is not the result of an inservice failure. This work was required because the existing tube routings have spans which exceed the allowable spans given in specification NS-0003-94. This NIS-2 is required because these changes affect existing supports which are classified as ASME Class 2. These additional tubing supports are required to satisfy our licensing basis. Supports 68-SC-1, 68-SC-2 and 68-SC-3 are not included in the ISI program plan, therefore a PSI examination is not required.

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 <u>None</u> Expiration Date <u>None</u>	
Signed let Mayation for JCAidrich Moint Mor-NMPI Date May 30 . 19 97	
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>3/2:5'/17</u> to <u>5/3e/97</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.	
Inspector's Signature Commissions NB 8496 NY 2812 National Board, State, Province, and Endorsements	
Date	

. 1. Own	er <u>Niagara Mohawk</u> Name	Power Corporation	Da	ateMARCH 2	1. 1997		
β·	Nine Mile Point P.O	Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	1	
2. Plant	Nine Mile Poin Name	<u>.</u>	Unit _	1	•	<u>.</u>	
. P.O.	Box 63 Lycoming. 1 Address	New York 13093	 .	Mech. Maint. Wor Repair Organization			,
	•	agara Mohawk Power Co Name Box 63 Lycoming N.Y.		ne Code Symbol Stan thorization No. <u>N//</u> Expiration Date <u>N/</u>	-		
5. (a) A (b) A	pplicable Construction of S	EACTOR BUILDING Con Code <u>ASA B31.1</u> Section XI Utilized for Reents Repaired or Replace	<u>1955</u> Edi epairs or Replac	tion <u>, N/A</u> Addenda ements 19 <u>83, Sum.</u>	n, none		•
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
NG System 70	M.W. KELLOGG	N/A	N/A	CLASS 2	1969	REPLACEMENT	No
spring c	eription of Work: Recondition. Work was	placed pipe nipples from completed in accordance	Recirculation Powith ASME we	ump 12 Cooler (HTZ ork plan and W.O. 9	I X-70-352) 6-02129-0	due to a pre-existing	pipe
-	tatic 🗆 Pneaumatic 🗆	Nominal Operating Press	nure Test P	rocedure: <u>Sys. Inserv</u>	vice in acc	ordance with IWA-52	IIC
Other l	Pressure	Test Temp	∘F				
11 in.,	(2) information in	ets in form of lists, sk n items 1 through 6 o r of sheets is recorded	on this report	is included on eac	d, provid ch sheet,	led (1) size is 8 ½ in and (3) each shee	n. x it is



Remarks: This replacement was not the result of an inservice failure. Replaced piping (Cert. No. C-90-0159 HT. No. 72073).
 Weld filler material used (Cert. No. C-96-0214 HT. No. 76970). Visual inspection of welds performed per QIR No. 1-97-0178. VT-2 examination completed in conjunction with system inservice test. Reference NDE Report No. 1-2.01-97-0130.

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	1
Certificate of Authorization No None Expiration Date None	
Signed	
	4
. CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors at 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>3/14/47</u> to 7/23/47, and state that to the best of my knowledge and belief, the Owner has performed examinated and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Consection XI.	ons
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concern 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 connected with this inspection.	is
Jane 10 August Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements	
Inspector's Signature National Board, State, Province, and Endorsements Date 7/23,1997	

	. А	Box 63 Lycoming N.Y. 1 address		Sheet1	_of	1	
2. Plan	Nine Mile Point Name		Unit _	1			
<u>.P.O.</u>	Box 63 Lycoming. N Address	<u>York 13093</u> .	<u>Mech</u> Repai	. <u>Maint. Work Orde</u> r Organization P.O.	r No. 96-0 No., Job	05044-00 No., etc.	
3. Wor	k Performed By <u>Nia</u>	gara Mohawk Power Cor Name		e Code Symbol Stan	_		
1	Nine Mile Point P.O.) Address	Box 63 Lycoming N.Y. 13	3093 Au	thorization No. <u>N/</u> Expiration Date <u>N</u>	'A	<u> </u>	
	-	EACTOR BUILDING CL n Code <u>ASA B31.1</u>				na Codo Casa	٠,
	••	ection XI Utilized for Rep					•
6. Ider	tification of Compone	nts Repaired or Replaced	and Replacem	ent Components		•	•
ME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year, Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes' or No
CX-3C	'M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2 .	1969	REPLACEMENT	NO
••						,	<u>.</u>
	ø						
	<u></u>		<u></u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
7. Des 180008	cription of Work: <u>Re</u> 5B, DDC 1800096A,	worked support 70-SCX-dispositioned DER's 1-9	3C in accorda 96-1811. 1-97-	unce with ASME wo 0309 and 1-97-0631.	rk plan. Y	W.O. 96-05044-00. D	DC —
8. Tests	Conducted:						
	Iydrostatic D Pneum	atic Nominal Operating	g Pressure 🛘	Test Procedure: N	one		•
	Other D Pressure	Test Temp	जि				

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. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970) and plate 1/2" (Cert. No. C-94-0575, HT.No.803D65430) Reference QIR No. 1-97-0073 for performance of visual examinations of welds. Support is not in the ISI program plan therefore a PSI baseline examination was not required.

CERTIFICATE OF COMPLIANCE

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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/22/17 to 7/2 1/2, 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.
Inspector's Signature Commissions AIB 8496 NY 2812 National Board, State, Province, and Endorsements
Date . 7/28 ,1997 .

	-							
1. 6		a <u>Mohawk</u> me	Power Corporation	Da	te <u>MARCH 2</u>	2. 1997		
-	Nine Mile		Box 63 Lycoming N. ddress	Y. 13093	Sheet1	_of	1	
2. P	lant <u>Nine</u>	Mile Point Name	ħ	Unit _	1			
_P	O. Box 63 L	vcoming. N Address	ew: York 13093		Maint. Work Order Organization P.O.			
3. V	Vork Performe	d By <u>Ni</u> a	gara Mohawk Power (•	e Code Symbol Star	•		
-	Nine Mile	Point P.O. 1 Address	Box 63 Lycoming N.Y	7. 13093 Au	horization No. <u>N/</u> Expiration Date <u>N</u>	A		
5. (£	a) Applicable () Applicable I	Construction	ACTOR BUILDING Code ASA B31.1 ection XI Utilized for lands nts Repaired or Replace		Edition, N/A Adements 19 83. Sum.	denda, no		
			I Copared of Replace	ced and Replacem		· ·	<u>~.</u>	
NAME OF	NAME MANUFAC		MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampo (Yes) or No
0-SCX-3E	M.W. KELLO	GG	N/A	. N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	МО
· · ·		· · · · · ·						
					-	-		
						<u> </u>	,	•
-								
7. I 1800	Description of 0080B. DDC	Work: <u>Re</u> 1S00096A.	worked support 70-SC dispositioned DER's	CX-3E in accorda 1-96-1811. 1-97-0	nce with ASME wo 1309 and 1-97-0631.	rk plan. \	V.O. 96-05041-00, D	DC —
8. T	ests Conducțe	d: ,				h		•
	Hydrostatic	☐ Pneuma	tic 🗆 Nominal Opera	uting Pressure 🗆	Test Procedure: N	one		
	Other 🗆	Pressure.	Test Temp.	of	,		,	
NOT	E: Supplem	ental shee	ts in form of lists, s	sketches, or dray	vings may be use	d, provid	ed (1) size is 8 ½ ir	ı. 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. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970), u-bolt Grinnell Fig. 137S-N (Cert. No. C-97-0269 see Grinnell letter dated 2/26/97, P.O. 97-13509), angle stock 3"x 3"x3/8" (Cert. No. C-96-0656, HT.No. 1-72686) tube steel 6"x4"x 1/4" (Cert. No. C-94-0667, HT. No. 895288) and plate 1/4" (Cert. No. C-96-0599, HT.No. V0189) 3/8" (Cert. No. C-92-1001, Ht. No. Y27334), 1/2" (Cert. No. 94-0575, HT. No. 803D65430). Reference QIR No. 1-97-0062 for performance of visual examinations of welds. Support is not in the ISI program plan therefore a PSI baseline examination was not required.

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. MGR. Unit-1 Date 7.25 , 19 97 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 2122/97 to 7/28/97, 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.
Zyn D Carley Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/28 ,19 <u>97</u>

)		As frequines by the fre			<u> </u>		
1: Owne	r <u>'Niagara Mohawk</u> Name	Power Corporation	Da	te <u>MARCH 22</u>	2. 1997	<u> </u>	
		Box 63 Lycoming N.Y. 13	3093	Sheet1	_of		
2. Plant	Nine Mile Point		Unit _	1		<u> </u>	
<u> P.O.</u>	Box 63 Lycoming, N	ew York 13093	<u>Mech.</u> Repail	Maint. Work Order Organization P.O.	r No. 96-4)5049-00 No., etc.	•
3. Work	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	gara Mohawk Power Corp		e Code Symbol Stan		•	
N	ine Mile Point P.O. I	Name Box 63 Lycoming N.Y. 13	093 Au	thorization No. <u>N//</u> Expiration Date <u>N</u> /	A 'A		•
4. Identi	fication of System_RI	EACTOR BUILDING CLO	OSED LOOP	COOLING (SYST	EM 70.)		
		n Code <u>ASA B31.1</u> ection XI Utilized for Repa					•
		ents Repaired or Replaced a				,	:
: of DNENT	NAME OF MANUFACTURER .	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes) or No
:X-3I	`M.W. KELLOGG	N/A .	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO.
,						•	<u> </u>
						<u>.</u>	<u> </u>
					<u> </u>		<u> </u>
1S00086 8. Tests H	Conducted: Iydrostatic Pneum	eworked support 70-SCX-2 dispositioned DER's 1-96 atic Demand Operating Test Temp.	6-1811. 1-97-	nce with ASME wo 0309 and 1-97-0631. Test Procedure: N	•	W.O. 96-05049-00. D	<u>DC</u> —
NOTE:	Iydrostatic Pneum Other Pressure Supplemental shee	•	•F ches, or dra	wings may be use	ed, provid	led (1) size is 8 ½ i , and (3) each shee	n. x et is



9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970), u-bolt Grinnell Fig. 137S-N (Cert. No. C-97-0269 see Grinnell letter dated 2/26/97, P.O. 97-13509), angle stock 4"x 4"x3/8" (Cert. No. C-94-0927, HT.No. 64133) tube steel 6"x4"x 1/4" (Cert. No. C-94-0667, HT. No. 895288) and plate 3/8" (Cert. No. C-92-1001, Ht. No. Y27334), 1/2" (Cert. No. 94-0575, HT. No. 803D65430). Reference QIR No. 1-97-0076 for performance of visual examinations of welds. Support is not in the ISI program plan therefore a PSI baseline examination was not required.

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	<u></u> .
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspector 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 2/22/97 to 7/23/92, and state that to the best of my knowledge and belief, the Owner has performed examine and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME of Section XI.	utions
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concern the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from connected with this inspection.	his
Lynn 10 and Commissions NB 84 96 NY 2.812 Inspector's Signature National Board, State, Province, and Endorsements	<u> </u>
Date 7/28,1997	

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

As Required by the Provisions of the ASME Code Section XI MARCH 22, 1997 1. Owner Niagara Mohawk Power Corporation Date ___ Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address Unit ___ 2. Plant_ Nine Mile Point Name Mech. Maint. Work Order No. 96-05045-00 P.O. Box 63 Lycoming, New-York 13093 Repair Organization P.O. No., Job No., etc. Address Type Code Symbol Stamp N/A 3. Work Performed By Niagara Mohawk Power Corp. ·Name Authorization No. _N/A Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Expiration Date N/A Address 4. Identification of System REACTOR BUILDING CLOSED LOOP COOLING (SYSTEM 70) 5. (a) Applicable Construction Code ASA B31.1 1955 Edition, N/A Addenda, none Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components ASME National Repaired Code Replaced, or Stamped OTHER Year MANUFACTURER'S Board NAME OF NAME OF Built Replacement (Yes : SERIAL No. No. **IDENTIFICATION** COMPONENT MANUFACTURER or No PIPE SUPPORT 1969 REPLACEMENT NO 70-SCX-3K N/A N/A M.W. CLASS 2 **KELLOGG** 7. Description of Work: Reworked support 70-SCX-3K in accordance with ASME work plan. W.O. 96-05045-00. DDC 1S00085B. DDC 1S00096A; dispositioned DER's 1-96-1811, 1-97-0309 and 1-97-0631. 8. Tests Conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: None _ Test Temp. _ Other Pressure_

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970), plate 3/4" (Cert. No. C-96-0900 HT. No. N291), plate 1" (Cert. No. C-96-1091 HT.No. N460) and u-bolt Grinnell fig. 137S (Cert. No. C-97-0269 reference Grinnell letter dated 2/26/97 P.O. 97-13509). Reference QIR No. 1-97-0075 for performance of visual examinations of welds. Support is not in the ISI program plan therefore a PSI baseline examination was not required.

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 replacement

Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed Maint. MGR. Unit-1 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 <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 2/22/17 to 7/28/97, 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.
Lynn W arless Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements Date7/28,19_97

(12/82)

ASME Code, Section XI.

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

As Required by the Provisions of the ASME Code Section XI . 1. Owner Niagara Mohawk Power Corporation Date __ MARCH 22, 1997 Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Addresis 2. Plant . Nine Mile Point Unit _ Name Mech. Maint. Work Order No. 96-05046-00 P.O. Box 63 Lycoming, New York 13093 Repair Organization P.O. No., Job No., etc. Address Type Code Symbol Stamp N/A Work Performed By Niagara Mohawk Power Corp. Name Authorization No. _N/A Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Expiration Date N/A Address 4. Identification of System REACTOR BUILDING CLOSED LOOP COOLING (SYSTEM 70) 1955 Edition, N/A Addenda, none Code Case 5. (a) Applicable Construction Code ASA B31.1 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components ASME National Repaired Code Replaced, or .Stamped OTHER Year NAME OF NAME OF MANUFACTURER'S Board Replacement (Yes ' ONENT MANUFACTURER SERIAL No. No. IDENTIFICATION Built or No 1969 REPLACEMENT МО 'M.W. N/A PIPE SUPPORT 70-SCX-3R N/A CLASS 2 **KELLOGG** 7. Description of Work: Reworked support 70-SCX-3R in accordance with ASME work plan, W.O. 96-05046-00, DDC 1S00085B, DDC 1S00096A, dispositioned DER's 1-96-1811 and 1-97-0309. 8. Tests Conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: None_

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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.

__ Test Temp. ___

Other 🗆

Pressure ___

9. Remarks: This replacement was not the result of an inservice failure. No parts were replaced. Removed existing u-bolts and abandoned remaining channel in place. Support is not in the ISI program plan therefore a PSI baseline examination was not required.

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-1 Date 7-25, 19 97 Owner 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 of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/22/97 to 7/28/97, 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. Lync Commissions 1846 Ny 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

		Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	1	
2. Plan	t <u>Nine Mile Poin</u> Name	L	Unit _		•		
<u>P.O</u>	Box 63 Lycoming. 1	New-York 13093		Maint. Work Order Order Organization P.O.			•
	Nine Mile Point P.O. Address	agara Mohawk Power Co Name Box 63 Lycoming N.Y.	13093 Au	e Code Symbol Stan thorization No. N/. Expiration Date N.	A		
5. (a) A (b) A	Applicable Construction of S	EACTOR BUILDING Con Code ASA B31.1 Section XI Utilized for Reents Repaired or Replace		Edition <u>, N/A_</u> Ad ements 19 <u>83, Sum.</u>	denda <u>, no</u>		
AME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampo (Yes or No
-scx-3V	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	МО
<u> </u>							
							,
		<u> </u>					
7. Des 180008	scription of Work: R 80B. DDC 1S00096	eworked support 70-SCX	<u>ζ-3V in accorda -96-1811, 1-97-</u>	nce with ASME wo	ork plan.	W.O. 96-05047-00. D	DC —
	s Conducted:	oodia (III. Namiira) Oo oodi	D	Test Procedure: N	Iama		•
•		natic Nominal Operati	•	rest Procedure: N	10116	•	

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. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970), u-bolt Grinnell Fig. 137S-N (Cert. No. C-97-0269 see Grinnell letter dated 2/26/97, P.O. 97-13509) and plate 1/4" (Cert. No. C-96-0599, HT.No.V0189) 3/8" (Cert. No. C-92-1001, Ht. No. Y27334), 1/2" (Cert. No. 94-0575, HT.No.803D65430). Reference QIR No. 1-97-0082 for performance of visual examinations of welds. Support is not in the ISI program plan therefore a PSI baseline examination was not required.

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 replacement

Type Code Symbol Stainp None
Certificate of Authorization No None Expiration Date None Signed Maint. MGR. Unit-1 Date 7-25, 19 97 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 2/22/97 to 7/28/97, 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 Daluan Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date . 7/28 ,19 <u>47</u>

(12/82)

ASME Code, Section XI.

	Name Name Mile Point P.O.	Box 63 Lycoming N.Y. I	13093	Sheet1	_of		
2. Plant	Nine Mile Point Name		Unit	1			
P.O.	Box 63 Lycoming. N Address	ew York 13093		Maint. Work Order Organization P.O.			
3. Work	Performed ByNin	gara Mohawk Power Co	р Тур	e Code Symbol Stan	1p _N/A_	•	•
N		Name Sox 63 Lycoming N.Y. 1	3093 Au	thorization No. <u>N//</u> Expiration Date <u>N/</u>	A		
	. Address			_		•	
		EACTOR BUILDING CI Code ASA B31.1				ne_ Code Case	
(b) Ap	pplicable Edition of Se	ection XI Utilized for Rep	pairs or Replac	ements 19 <u>83. Sum.</u>			
6. Ident	ification of Compone	nts Repaired or Replaced	and Replacem	ent Components		-	•
e 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
CX-4A	'M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	ИО
· ·			<u> </u>				
1500076 8. Tests H	5A. DDC 1800096A Conducted: (ydrostatic □ Pneum:	worked_support_70-SCX dispositioned_DER's 1- atic Nominal Operating Test Temp	•96-1811. 1-97 •g Pressure □ •F	0309 and 1-97-0626 Test Procedure: N	one		

9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970), u-bolt Grinnell Fig. 137S-N (Cert. No. C-97-0269 see Grinnell letter dated 2/26/97, P.O. 97-13509), plate 3/8" (Cert. No. C-92-1001, HT.No. Y27334) and tube steel (Cert. No. C-92-1366, HT. No. 19728). Reference QIR No. 1-97-0054 for performance of visual examinations of welds. Performed VT-3 examination to reestablish PSI baseline. Reference NDE Report No. 1-2.01-97-0044.

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
. 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 2/22/10 to 7/28/19, 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 a loss of any kind arising from or connected with this inspection.
Home Land Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date

	1. Owne	er <u>Niagara Mohawk</u> Name	Power Corporation	Ds	nte <u>MARCH 2</u>	2 <u>. 1997</u>	•	
• • •	· <u>·</u>		Box 63 Lycoming N.Y. 13	3093	Sheet1	_of		
	2. Plant	Nine Mile Point Name		Unit _	1	•	<u> </u>	
	<u>P,O.</u>	Box 63 Lycoming. N Address	ew. York 13093	<u>Mech</u> Repai	Maint. Work Order Organization P.O.	No. 964	04539-00 No., etc.	
		ine Mile Point P.O. I	gara Mohawk Power Corr Name Box 63 Lycoming N.Y. 13	Au	be Code Symbol Star thorization No. <u>N/</u> Expiration Date <u>N</u>	Δ		
	5. (a) A _l (b) A _l	pplicable Construction of Se	EACTOR BUILDING CLO Code ASA B31.1 ection XI Utilized for Repaired or Replaced a	1955 airs or Replace	COOLING (SYST Edition, N/A Ad ements 19 83, Sum.	EM 70) denda, no	ne_ Code Case	
NAME COMPON		NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME . Code Stamped (Yes ; or No
70-20	X-4B	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	*1969	REPLACEMENT	ио .
					, , <u>, , , , , , , , , , , , , , , , , </u>			
				•				
			worked_support_70-SCX- dispositioned_DER's_1-9	4B in accorda 6-0864, 1-96-	nnce with ASME wo 1811, 1-97-0309 and		W.O. 96-04539-00, D	DC —
		Conducted:	atic Nominal Operating	Processes [7]				
		-	Test Temp		rest Procedure: 14	VIIV		·
	11 in.,	(2) information in	ts in form of lists, sket items 1 through 6 on of sheets is recorded a	this report i	is included on eac	d, provid ch sheet,	ed (1) size is 8 ½ ir and (3) each shee	n. x t is

9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970), u-bolt Grinnell Fig. 137S-N (Cert. No. C-97-0269 see Grinnell letter dated 2/26/97, P.O. 97-13509), angle stock 3"x 3"x3/8" (Cert. No. C-96-0656, HT.No. 1-72686) and tube steel (Cert. No. C-97-0213, HT. No. C26444). Reference QIR No. 1-97-0055 for performance of visual examinations of welds. Performed VT-3 examination to reestablish PSI baseline. Reference NDE Report No. 1-20107 2.01-97-0058.

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
v *
· · · · · · · · · · · · · · · · · · ·
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 2/22/97 to 7/23/97, 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.
Zynn Warderzn Commissions NB 8496 NY 2812 .
Inspector's Signature National Board, State, Province, and Endorsements
Date

1. Owne	er <u>Niagara Mohawk</u> Name	Power Corporation	Da	teMARCH 22	. 1997		
, <u> </u>		Box 63 Lycoming N.Y. 1 ddress	3093	Sheet1	_of	1	
2. Plant	Nine Mile Point	•	· Unit _	_1	•	* *	
<u>P.O.</u>	Box 63 Lycoming. N Address	ew York 13093	<u>Mech.</u> Repai	Maint. Work Order Organization P.O.	r No. 96-0	14551-00 No., etc.	
	•	gara Mohawk Power Corp	Au	e Code Symbol Stan	4		
4. Ident	Address ification of System_RI	Box 63 Lycoming N.Y. 13 EACTOR BUILDING CL	OSED LOOP	Expiration Date N/	EM 70.)		
5. (a) A (b) A ₁	pplicable Construction pplicable Edition of Se	n Code <u>ASA B31.1</u> ection XI Utilized for Rep	1955 airs or Replac	Edition <u>, N/A_</u> Ade ements 19 <u>83, Sum.</u>	denda <u>, no</u> r		•
6. Iden	tification of Compone	nts Repaired or Replaced	and Replacem	ent Components			
NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
70-SCX-4E	·M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	ИО
	v					. 14	
•							
	•	worked support 70-SCX, dispositioned DER's 1-	4E in accord 96-1811, 1-97	ance with ASME wo -0309 and 1-97-0631	ork plan.	W.O. 96-04551-00. D	DC —
	Conducted:		_				•
	•	atic Nominal Operating Test Temp.	-	Test Procedure: N	one	•	:
11 in.,	. (2) information in	ets in form of lists, ske items 1 through 6 on r of sheets is recorded	this report	is included on eac	ed, provid ch sheet,	led (1) size is 8 ½ i and (3) each shee	n. x et is



9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT.No. 76970), u-bolt Grinnell Fig. 137S-N (Cert. No. C-97-0269 see Grinnell letter dated 2/26/97, P.O. 97-13509) and plate 3/8" (Cert. No. C-92-1001, HT.No. Y27334). Reference QIR No. 1-97-0064 for performance of visual examinations of welds. Performed VT-3 examination to reestablish PSI baseline. Reference NDE Report No. 1-2.01-97-0112.

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	ı
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</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>2/22/97</u> to <u>7/28/97</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.	
Tynn Dalusn Commissions NB 8496 NY 2812 Inspector's Signature' National Board, State, Province, and Endorsements	
Inspector's Signature National Board, State, Province, and Endorsements	l
Date].

1. Own	wner Niagara Mohawk Power Corporation Date MARCH 22, 1997 Name							
	Nine Mile Point P.O.	Box 63 Lycoming N.Y.	13093	Sheet1	_of	_ 		
2. Plant	Nine Mile Point Name		Unit _	1				
<u>P.O.</u>	Box 63 Lycoming, N Address	lew-York 13093	<u>Mech</u> Repai	Maint. Work Order Organization P.O.	r No. 96-0	05042-00 No., etc.		
, <u>T</u>	line Mile Point P.O. Address	ngara Mohawk Power Co Name Box 63 Lycoming N.Y. 1	3093 Au	thorization NoN// Expiration Date _N/	A			
5. (a) A (b) A	pplicable Constructio	EACTOR BUILDING CI n Code <u>ASA B31.1</u> ection XI Utilized for Re- ents Repaired or Replaced	1955 pairs or Replac	Edition <u>, N/A_</u> Adements 19 <u>83, Sum.</u>	denda <u>, no</u>			
NAME OF	NAME OF MANUFACTURER	Manufacturer's serial no.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes: or No	
70-xR-2A	м.w. KELLOGG	N/A	. N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	МО	
			*			,		
								
							•	
180008	cription of Work: R 3A. dispositioned Di Conducted:	eworked support 70-XR- ER's 1-96-1811 and 1-97-	2A in accorda 0309.	nce with ASME wo	rk plan. V	W.O. 96-05042-00. D	DDC —	
•	•	atic Nominal Operatir		Test Procedure: N	one.	•	<u>:</u>	
11 in.,	, (2) information in	ets in form of lists, ske n items 1 through 6 o r 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	

9. Remarks: This replacement was not the result of an inservice failure. No parts were replaced. Removed existing hanger parts and abandoned remaining 5/8" fig. N401 and 1/2" plate in place. Support is not in the ISI program plan therefore a PSI baseline examination was not required.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the

repair or replacement

Type Code Symbol Stamp None	· ·
Certificate of Authorization No None Expiration Date None Signed Maint. MGR. Unit-1 Date Owner or Duner's Designee, Title	7.25, 19 <u>97</u>
CERTIFICATE OF INSERVICE INSPECTION	•
I, the undersigned, holding a valid commission issued by the National Board of boiler and P the State or Province of <u>NEW YORK</u> and employed by <u>ARKWRIGHT</u> MASSACHUSETTS have inspected the components described in this Owner's Report du 2/22/97 to 7/23/97, and state that to the best of my knowledge and belief, the Owne and taken corrective measures described in this Owner's Report in accordance with the requisection XI.	of uring the period r has performed examinations
By signing this certificate neither the Inspector nor his employer makes any warranty, expected the examinations and corrective measures described in this Owner's Report. Furthermore, a employer shall be liable in any manner for any personal injury or property damage or a loss connected with this inspection.	neither the Inspector nor his .
Zm Danlus Commissions NB8 496 NY 2812	
Inspector's Signature National Board, State, Province, a	nd Endorsements
Date 7/28,1997	

(12/82)

ASME Code, Section XI.

. —-	Nine Mile Point P.O.	Box 63 Lycoming N.Y. Address		Sheet1	_of		
2. Plant	Nine Mile Point	•	Unit_		•		
P.O.	Box 63 Lycoming. N .Address	lew York 13093		Maint. Work Order Organization P:0.			•
	·	ngara Mohawk Power Co Name Box 63 Lycoming N.Y.		e Code Symbol Stan thorization No. <u>N//</u> Expiration Date <u>N</u> /	•		
5. (a) A ₁ (b) A ₁	pplicable Construction pplicable Edition of S	EACTOR BUILDING Con Code ASA B31.1 ection XI Utilized for Reents Repaired or Replace	1955 epairs or Replac	Edition <u>, N/A_</u> Ade ements 19 <u>83, Sum.</u>	denda <u>, no</u>	•	
E OF	name of Manufacturer	Manufacturer's serial no.	National Board No.	OTHER IDENTIFICATION	Year Built	· Repaired Replaced, or Replacement	ASME Code Stamp (Yes- or N
R-2B	M.W. KELLOGG	N/A	. N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	ИО
• •						,	-
					<u> </u>		
	· · · · · · · · · · · · · · · · · · ·			•			
1S0008:	3A. dispositioned D Conducted: Hydrostatic Pneum Other Pressure	eworked support 70-XR ER's 1-96-1811 and 1-97 natic Nominal Operation Test Temp. ets in form of lists, sken items 1 through 6 cere	ing Pressure •F	Test Procedure: N	one	led (1) size is 8 ½ i	 n. x



9. Remarks: This replacement was not the result of an inservice failure. No parts were replaced. Removed existing hanger.
Support is not in the ISI program plan therefore a PSI baseline examination was not required.

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 Dil 6 Julan For S-Daty Maint, MGR. Unit-1 Date 729, 1997 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 2/22/47 to 7/30/47, 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 NB 8 496 NY 2812 National Board, State, Province, and Endorsements
Date 7/30 ,1997

1. Ow	ner <u>Niagara Mohaw</u> Name	k Power Corporation	D	ntoMARCH 22	. 1997		
·		Box 63 Lycoming N.Y. Address	13093	Sheet1	_of		
2. Pla	nt <u>Nine Mile Poir</u> 'Name	ot	Unit			 .	
, P.Ç	D. Box 63 Lycoming. Address	New York 13093	_ <u>Mech</u> Repai	. Maint. Work Orde r Organization P.O.	r No. 96-1 No., Job	04548-00 No., etc.	•
		iagara Mohawk Power Co Name Box 63 Lycoming N.Y.	A	be Code Symbol Stan thorization No <u>N//</u> Expiration Date <u>N/</u>	·		
5. (a) (b)	Applicable Constructi Applicable Edition of	REACTOR BUILDING C on Code <u>ASA B31.1</u> Section XI Utilized for Re nents Repaired or Replace	1955 epairs or Replac	Edition <u>, N/A</u> Ade ements 19 <u>83, Sum.</u>	denda <u>, no</u>		•
OF NENT	name of Manufacturer	Manufacturer's Serial No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes; or No
R-5A	M.W. KELLOGG	N/A	. N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	МО
· ·			ł	1		l .	1

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

Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: None

___ Test Temp. __



8. Tests Conducted:

Other 🗆

9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT. No. 76970) and tube steel (Cert. No. C-97-0212, HT. No. 317676.

Reference QIR No. 1-97-0058 for performance of visual examination of welds. This support is not in the ISI program plan therefore a PSI baseline examination was not required.

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 <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>2 2 2 70 7 2 3 9 7</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.
June Walles Commissions NB 8496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/28,1997

2. Plan	t <u>Nine Mile Poin</u> Name	t	Unit _	1 .	•	,	
<u>P.O</u>	Box 63 Lycoming. Address	New York 13093 .	<u>Mech</u> Repai	Maint. Work Order Organization P.O.	r No. 964 No., Job	04549-00 No., etc.	•
<u></u>	Nine Mile Point P.O. Address	iagara Mohawk Power Co Name Box 63 Lycoming N.Y.	13093 Au	e Code Symbol Stan thorization NoN// Expiration Date _N/	^ ^A		
5. (a) A (b) A	Applicable Construction of a	REACTOR BUILDING Con Code ASA B31.1 Section XI Utilized for Repeated or Replace		Edition <u>, N/A_</u> Ad ements 19 <u>83, Sum,</u>	denda <u>, no</u>		
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
0-XR-5B	`M.W. KELLOGG	N/A	. N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO
•							
•	·						-
		<u> </u>		-	<u> </u>	<u></u>	<u> </u>
180007 8. Test	SB, DDC 1800096A s Conducted: Hydrostatic □ Pneur	Reworked support 70-XR dispositioned DER's 1- matic Nominal Operation Test Temp.	-96-1811_and_1-9	77-0631. Test Procedure: N	one	•	



9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32"(Cert. No. C-96-0214, HT. No. 76970) and tube steel (Cert. No. C-97-0212, HT. No. 317676.

Reference QIR No. 1-97-0059 for performance of visual examination of welds. This support is not in the ISI program plan therefore a PSI baseline examination was not required.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the repo	rt are correct and this <u>replace</u> repair	ment conforms to	the rules of the
Type Code Symbol Stamp None			•
Certificate of Authorization No None	Expiration Date None		
Signed Owner or Owner's Designee, Tit	Maint, MGR, Unit-1	_Date	, 19 <u>97</u>
			
CEDTIEICATE (DF INSERVICE INSPECTION		·
I, the undersigned, holding a valid commission issued the State or Province of <u>NEW YORK</u> and employed MASSACHUSETTS have inspected the component 2/22/97 to 2/28/92, and state that to the best o and taken corrective measures described in this Owner Section XI. By signing this certificate neither the Inspector nor I	by the National Board of boiler byed byARKWRIGHT_ s described in this Owner's Re f my knowledge and belief, the 's Report in accordance with the	of port during the period Owner has performed the requirements of the	d examinations ASME Code,
the examinations and corrective measures described in employer shall be liable in any manner for any person connected with this inspection.	this Owner's Report. Further	more, neither the Insp	ector nor his
1.7 J = 1.1.1	08496 NY 28		
Inspector's Signature	National Board, State, Provi	nce, and Endorsement	is .
Date7/28,19 <u>97</u>			ŧ

	1. Owner Niagara Mohawk Power Corporation Name				DateMARCH 22, 1997			
• • • •	ئے '	Nine Mile Point P.O. A	Box 63 Lycoming N.Y. 13	3093	Sheet1_	of		
	2. Plant	Nine Mile Point Name	· · · · · · · · · · · · · · · · · · ·	Unit _	1		·	
•	<u>P.O.</u>	Box 63 Lycoming. N Address	ew York 13093	<u>Mech</u> Repai	Maint. Work C r Organization F	rder No. 96-	04550-00 No., etc.	• •
•	N	ine Mile Point P.O. I	gara Mohawk Power Corr Name Box 63 Lycoming N.Y. 13	093Au	e Code Symbol S thorization No Expiration Date	N/A N/A		
	5. (a) A ₁ (b) A ₁	pplicable Construction of Se	EACTOR BUILDING CLO Code ASA B31.1 ection XI Utilized for Repaired or Replaced a	1955 airs or Replac	Edition <u>, N/A</u> ements 19 <u>83. Su</u>	Addenda <u>, no</u>		· · ·
NAME COMPON		NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATIO	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes:
70-XR	-5C	`M.W. KELLOGG	N/A	N/A	PIPE SUPPOR CLASS 2	Т 1969	REPLACEMENT	NO
	.*				,			
•								
	1500075	5B. DDC 1800096A.	worked support 70-XR-50 dispositioned DER's 1-96	C in accordar 5-1811, 1-97-0	nce with ASME 1309 and 1-97-06	work plan. '	W.O. 96-04550-00. I	DDC —
	•	Conducted:	atic 🗆 Nominal Operating	Penemies [Test Procedure	v None	,	
			Test Temp.	•	Test Procedure	. 140110	-	
	11 in.,	(2) information in	ets in form of lists, sket items 1 through 6 on r of sheets is recorded a	this report	is included on	used, provice each sheet,	ded (1) size is 8 ½ i , and (3) each shee	n. x et is

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT. No. 76970) and tube steel (Cert. No. C-97-0212, HT. No. 317676. Reference QIR No. 1-97-0060 for performance of visual examination of welds. This support is not in the ISI program plan therefore a PSI baseline examination was not required.

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
·
· · · · · · · · · · · · · · · · · · ·
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
MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/22/97 to 7/28/97, 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.
Znn Walism Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements Date
1

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

As Required by the Provisions of the ASME Code Section XI 1. Owner Niagara Mohawk Power Corporation Date_ MARCH 22, 1997 Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address 2. Plant Nine Mile Point Unit ___ Name P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04544-00 Repair Organization P.O. No., Job No., etc. Address 3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A - Name Authorization No. _N/A Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Expiration Date N/A **Address** 4. Identification of System REACTOR BUILDING CLOSED LOOP COOLING (SYSTEM 70) 5. (a) Applicable Construction Code ASA B31.1 1955 Edition, N/A Addenda, none Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Sum. '83 ADD. 6. Identification of Components Repaired or Replaced and Replacement Components ASME National Repaired Code NAME OF NAME OF MANUFACTURER'S Board OTHER Year Replaced, or Stamped COMPONENT MANUFACTURER SERIAL No. No. **IDENTIFICATION** Built Replacement (Yes'. or No v-XR-5D M.W. N/A N/A PIPE SUPPORT 1969. REPLACEMENT NO **KELLOGG** CLASS 2 7. Description of Work: Reworked support 70-XR-5D in accordance with ASME work plan. W.O. 96-04544-00. DDC 1S00075B, DDC 1S00096A, dispositioned DER's 1-96-1811, 1-97-0309 and 1-97-0631. 8. Tests Conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Test Procedure: None Other 🗆 Pressure. Test Temp. _

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



9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32"(Cert. No. C-96-0214, HT. No. 76970) and tube steel (Cert. No. C-90-0424, HT. No. 896608), plate 1/8" (Cert. No. C-93-0356, HT.No. C49142) and plate 3/8" (Cert. No. C-92-1001, HT. No. Y27334) Reference QIR No. 1-97-0039 for performance of visual examination of welds. This support is not in the ISI program plan therefore a PSI baseline examination was not required.

CERTIFICATE OF COMPLIANCE

ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp None	
Certificate of Authorization No None	Expiration Date None
Signed Owner or Owner's Designee, 1	Maint. MGR. Unit-1 Date 7.25, 19 97
CERTIFICATE	OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issue the State or Province of <u>NEW YORK</u> and em <u>MASSACHUSETTS</u> have inspected the compone 2/22/97 to 7/28/97, and state that to the best	ed by the National Board of boiler and Pressure Vessel Inspectors and
the examinations and corrective measures described	r his employer makes any warranty, expressed or implied, concerning in this Owner's Report. Furthermore, neither the Inspector nor his onal injury or property damage or a loss of any kind arising from or
179	NB 8496 NY 2812
Inspector's Signature	National Board, State, Province, and Endorsements
Date 7/28 ,1997	

•	1. Owne	er <u>Niagara Mohawk</u> Name	Power Corporation	Da	te <u>MARCH 22</u>	2 <u>. 1997 </u>		
	<u> </u>		Box 63 Lycoming N.Y. Address	13093	Sheet1	_of	_1	
	2. Plant	Nine Mile Poin		Unit _	1		i .	
٠.	<u>P.O.</u>	Box 63 Lycoming. I Address	New York 13093		Maint. Work Order organization P.O.			•
			agara Mohawk Power Co Name Box 63 Lycoming N.Y. 1	-,	e Code Symbol Stan thorization No. <u>N/</u> Expiration Date <u>N</u>	-		
	4. Ident	Address ification of System <u>R</u>	EACTOR BUILDING C	LOSED LOOP	COOLING (SYST	EM 70)		•
	(b) A ₁	pplicable Edition of	on Code <u>ASA B31.1</u> Section XI Utilized for Re ents Repaired or Replaced	pairs or Replac	ements 19 <u>83, Sum.</u>	denda <u>, no</u> '83 ADD	ne_Code Case	
NAME COMPON	OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code 'Stampe (Yes, or No
70-XR-	6D	`м.W. KELLOGG	N/A	. N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	ио .
	•		<u> </u>		<u>'</u>			
	7. Des	cription of Work: J 8C, DDC 1S00096A	Reworked support 70-XR- dispositioned DER's 1-	-6D in accorda 96-1811, 1-97-(nce with ASME wo 0309 and 1-97-0631.	rk plan.	W.O. 96-04545-00. D	DC —
	•	Conducted:	natic □ Nominal Operati	ng Pressure 🛘	Test Procedure: N	lone	_ ·	
			Test Temp.					
	11 in.	. (2) information i	eets in form of lists, sk n items 1 through 6 o er of sheets is recorded	n this report	is included on eac	ed, provic ch sheet,	led (1) size is 8 ½ i , and (3) each shee	n. x it is

9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32" (Cert. No. C-96-0214, HT. No. 76970), u-bolt fig. 137S-N (Cert. No. C-97-0269 reference Grinnell letter dated 2/26/97 P.O. 97-13509), tube steel (Cert. No. C-97-0213, HT. No. C26444), plate 1/4" (Cert. No. C-96-0599, HT.No. V0189) and angle 3"x3"x 3/8" (Cert. No. C-96-0656, HT. No.1-72686). Reference QIR No. 1-97-0057 for performance of visual examination of welds. Performed VT-3 examination to reestablish PSI baseline. Reference NDE Report No. 1-2.01-97-0113.

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. MGR. Unit-1 Date 7-25, 1997 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 <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>2 22/97</u> to <u>7/28/97</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.
Zm Wallean Commissions NOS 8 496 NY 2812.
Inspector's Signature National Board, State, Province, and Endorsements
Date 7/28,1997

1. Ow	ner. <u>Niagara Mohawk</u> Name	Power Corporation	Da	te <u>MARCH 2</u>	2. 1997		
		Box 63 Lycoming N.Y. 1	3093	Sheet1	_of	<u>, 1</u>	
2. Plar	nt <u>Nine Mile Point</u> Name		Unit _		/ :	· · · · · · · · · · · · · · · · · · ·	
· · P.O). Box 63 Lycoming. N Address	lew York 13093	. <u>Mech</u> Repai	Maint. Work Order Order Order Order Order	r No. 96-0 . No:, Job	04546-00 No., etc.	•
4. Ider	Nine Mile Point P.O. Address ntification of System R	ngara Mohawk Power Cor Name Box 63 Lycoming N.Y. 1: EACTOR BUILDING CL	.OSED LOOP		A /A EM 70)		,
(b) A	Applicable Edition of S	n Code <u>ASA B31.1</u> ection XI Utilized for Rep ents Repaired or Replaced	pairs or Replac			•	•
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code • Stamp (Yes, or No
70-XR-6E	`M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO.
<u>:</u>							
							·
	<u> </u>	<u> </u>			<u>l</u>	·	<u> </u>
7. De 18000	scription of Work:_R 78C. DDC 1S00096A	eworked support 70-XR- dispositioned DER's 1-9	5E in accorda 6-1811, 1-97-(nce with ASME wo 1309 and 1-97-0631.	ork plan. V	W.O. 96-04546-00, D	DC —
8. Tes	ts Conducted:	v				•	
	Hydrostatic Pneum	atic 🗆 Nominal Operatin	g Pressure	Test Procedure: 1	lone	•	•
	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 ea	ed, provid ch sheet,	led (1) size is 8 ½ i and (3) each shee	n. x it is

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This replacement was not the result of an inservice failure. Replacement materials include; weld filler material E7018 3/32"(Cert. No. C-96-0214, HT. No. 76970), u-bolt fig. 1375-N (Cert. No. C-97-0269 reference Grinnell letter dated 2/26/97 P.O. 97-13509), tube steel (Cert. No. C-97-0213, HT. No. C26444), plate 1/8" (Cert. No. C-93-0356, HT.No. C49142), plate 1/4" (Cert. No. C-96-0599, HT.No. V0189), plate 3/8" (Cert. No. C-92-1001, HT.No. Y27334) and angle 3"x2"x 3/8" (Cert. No. C-90-1353, HT. No.61329). Reference QIR No. 1-97-0072 for performance of visual examination of welds. Performed VT-3 examination to reestablish PSI baseline. Reference NDE Report No. 1-2.01-97-0050.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the repo ASME Code, Section XI.	rt are correct and this replacement conforms to the rules of the repair or replacement
Type Code Symbol Stamp None	·
Certificate of Authorization No None	Expiration Date None
Signed Owner or Owner's Designee, Tit	Maint. MGR. Unit-1 Date 7.25, 19 97
	•
CERTIFICATE C	F INSERVICE INSPECTION
the State or Province of <u>NEW YORK</u> and employed MASSACHUSETTS have inspected the component 2/25/47 to 7/28/47, and state that to the best of	by the National Board of boiler and Pressure Vessel Inspectors and byed by ARKWRIGHT of s described in this Owner's Report during the period f my knowledge and belief, the Owner has performed examinations s's Report in accordance with the requirements of the ASME Code,
the examinations and corrective measures described in	is employer makes any warranty, expressed or implied, concerning this Owner's Report. Furthermore, neither the Inspector nor his al injury or property damage or a loss of any kind arising from or
Jum Wayleyn Commissions N	B 8496 N Y 2812
Inspector's Signature	National Board, State, Province, and Endorsements
Date 7/28,1997	,

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

Name e Point P.O. Be Add e Mile Point Name Lycoming, New Address ned By Niaga Point P.O. Bo Address of System REA Construction (Edition of Sect of Components	ower Corporation ox 63 Lycoming N.Y. dress w York 13093 ara Mohawk Power Colume ox 63 Lycoming N.Y. 1 ACTOR BUILDING CI Code ASA B31.1 tion XI Utilized for Replaced is Repaired or Replaced MANUFACTURER'S SERIAL No.	Unit Mech Repairs Au Au AuOSED LOOP 1955 pairs or Replac	Edition <u>, N/A</u> Ad ements 19 <u>83, Sum.</u>	of No. 96- No., Job mp N/A A /A	04547-00 o No., etc.	Code • Stam
Address ned By Niaga Point P.O. Bo Address of System REA Construction C Edition of Sect	w York 13093 Ara Mohawk Power Colume ox 63 Lycoming N.Y. 1 ACTOR BUILDING CI Code ASA B31.1 Ition XI Utilized for Replaced the Repaired or Replaced	Unit	Maint. Work Order Organization P.O. De Code Symbol Standsthorization NoN/. Expiration Date _N/. COOLING (SYST Edition, N/A Addrements 19 83. Sum. Tent Components	Pr No. 96- No., Johnp N/A AA/A EM 70): Idenda, no '83 ADD	ne_ Code Case Repaired Replaced, or	ASM Code Stam
Name Lycoming, New Address ned By Niaga Point P.O. Bo Address of System REA Construction of Sect of Components	ara Mohawk Power Collame ox 63 Lycoming N.Y. 1 ACTOR BUILDING CI Code ASA B31.1 Ition XI Utilized for Replaced is Repaired or Replaced	Mech Repairs 3093 Au OSED LOOP 1955 Dairs or Replace and Replacem	Maint. Work Order Organization P.O. De Code Symbol Standthorization No. N/. Expiration Date N/. COOLING (SYST) Edition, N/A. Addrements 19 83. Sum. Item Components	Pr No. 96-No., Job mp N/A A /A EM 70) Idenda, no '83 ADD	ne_ Code Case Repaired Replaced, or	Code • Stam
Address ned By Niaga Niaga Point P.O. Bo Address of System REA Construction Of Edition of Sect of Components	ara Mohawk Power Collame ox 63 Lycoming N.Y. 1 ACTOR BUILDING CI Code ASA B31.1 Ition XI Utilized for Replaced is Repaired or Replaced	Repairs or Replacem National Board	r Organization P.O. ce Code Symbol Stan otherization NoN/, Expiration Date _N/ COOLING (SYST	Mo., John MA A A A A A A A A A A A A A A A A A A	Repaired Replaced, or	Code • Stam
Point P.O. Bo Address of System REA Construction C Edition of Sect	tame ox 63 Lycoming N.Y. 1 ACTOR BUILDING CI Code ASA B31.1 tion XI Utilized for Replaced ts Repaired or Replaced	OSED LOOP	thorization NoN/, Expiration Date _N/ Expiration Date _N/ COOLING (SYST)Edition, N/A Addrements 19 83, Sum. tent Components OTHER	A /A	Repaired Replaced, or	Code • Stam
Point P.O. Bo Address of System REA Construction C Edition of Sect of Components	ox 63 Lycoming N.Y. 1 ACTOR BUILDING CI Code ASA B31.1 tion XI Utilized for Replaced ts Repaired or Replaced	OSED LOOP 1955 Dairs or Replacem and Replacem National Board	COOLING (SYST Edition, N/A Adverse 1983, Sum. The Components OTHER	EM 70) Idenda, no '83 ADD	Repaired Replaced, or	Code • Stam
Address of System REA of Construction (Edition of Sect of Components	ACTOR BUILDING CI Code ASA B31.1 tion XI Utilized for Replaced ts Repaired or Replaced	OSED LOOP 1955 Dairs or Replacem and Replacem National Board	COOLING (SYST Edition, N/A Adverse 1983, Sum. Thent Components OTHER	EM 70) Idenda, no '83 ADD	Repaired Replaced, or	Code • Stam
Edition of Sector of Components	Code <u>ASA B31.1</u> tion XI Utilized for Replaced ts Repaired or Replaced	nairs or Replacem and Replacem National Board	Edition, N/A Adements 19 83. Sum. tent Components OTHER	denda, <u>no</u> '83 ADD Year	Repaired Replaced, or	Code • Stam
Edition of Sect of Components	tion XI Utilized for Replaced s Repaired or Replaced	nairs or Replacement Replaceme	ements 19 83, Sum. ent Components OTHER	'83 ADD	Repaired Replaced, or	Code • Stam
of Components	s Repaired or Replaced	and Replacem National Board	ent Components OTHER	Year	Repaired Replaced, or	Code • Stam
		Board			Replaced, or	Code • Stam
				1*		or 1
OGG	N/A .	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO
						-
						•
		,				•
2 1800096A, di	ispositioned_DER's 1-9	6-1811, 1-97-0)309 and 1-97-0631.	•	W.O. 96-04547-00, D	DC —
	ted: Description:	2 1800096A. dispositioned DER's 1-9 ted: ic □ Pneumatic □ Nominal Operatin	of Work: Reworked support 70-XR-6F in accordant 1500096A. dispositioned DER's 1-96-1811. 1-97-0 ted:	of Work: Reworked support 70-XR-6F in accordance with ASME wo C 1S00096A, dispositioned DER's 1-96-1811, 1-97-0309 and 1-97-0631, ted: ic Pneumatic Nominal Operating Pressure Test Procedure: N	of Work: Reworked support 70-XR-6F in accordance with ASME work plan. \C 1S00096A. dispositioned DER's 1-96-1811. 1-97-0309 and 1-97-0631. ted: ic \(\text{Procedure: None} \)	of Work: Reworked support 70-XR-6F in accordance with ASME work plan, W.O. 96-04547-00, DIC 1S00096A, dispositioned DER's 1-96-1811, 1-97-0309 and 1-97-0631.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % 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. Replacement materials include; weld filler material E7018 3/32"(Cert. No. C-96-0214, HT. No. 76970), tube steel 4"x 2"x 5/16" (Cert. No. C-97-0213, HT. No. C26444), tube steel 6"x 6"x 3/8"(Cert. No. C-90-0424, HT. No. 896608) and plate 1/8" (Cert. No. C-93-0356, HT. No. C49142), Reference QIR No. 1-97-0081 for performance of visual examination of welds. This support is not in the ISI program plan, therefore a PSI baseline examination was not required.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the rep ASME Code, Section XI.	port are correct and this <u>replacement</u> conforms to the rules of the repair or replacement.
Type Code Symbol Stamp None	
Certificate of Authorization No <u>None</u>	Expiration DateNone
Signed Owner or Owner's Designee, T	Maint. MGR. Unit-1 Date 7.25, 19 97
•	
CERTIFICATE	OF INSERVICE INSPECTION
the State or Province of <u>NEW YORK</u> and empth MASSACHUSETTS have inspected the compone 2/25/97 to 7/28/97 and state that to the best	d by the National Board of boiler and Pressure Vessel Inspectors and ployed byARKWRIGHT of of the described in this Owner's Report during the period of my knowledge and belief, the Owner has performed examinations her's Report in accordance with the requirements of the ASME Code,
the examinations and corrective measures described	r his employer makes any warranty, expressed or implied, concerning in this Owner's Report. Furthermore, neither the Inspector nor his onal injury or property damage or a loss of any kind arising from or
June 10 Ochles Commissions 1	NB 8496 NY 2812 National Board, State, Province, and Endorsements
Date 7/28,1997	• • •

·		As included by the	ic Trovisions or		·		
1. Owner	Niagara Mohawk P	ower Corporation	•	Date1/	09/97		· · ·
-	Nine Mile Point P.O	Box 63 Lycoming N.	Y. 13093.	Sheet	1	of1	<u> </u>
2. Plant	Nine Mile Point	e ·		Unit	1		
_P.O1	Box 63 Lycoming, N Address	ew York 1309	•	<u>Mechanical Ma</u> Repair Orga	nintenance nization.P	W.O. 96-00884-0	?
3. Work Per	rformed By <u>Niagara</u> Name	Mohawk Power Corp.				NA .	
1	Nine Mile Point P.O.	Rox 63 Lycoming N.Y	13093			NA	
A Idoniii	•	ress Containment Spray	, (8n)	b	•	·	
	-	on Code ASME III		'80 Edition None A	ddanda Nor	na Coda Casa No	nne
	_			•		ie_ code case,_ite	<u></u>
• • •	•	Section XI Utilized fo					
6. Identi	ification of Compon	ents Repaired or Rep	placed and Re	eplacement Compone	nts	·	
ME OF PONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASKE Code Stamp (Yes
(-80-33	Joseph Oat Corporation	J-2479-C	Ñ/A	Class 2	1985	Replacement	No "
•							1.
			*			*	
<u></u>							
8. Tests	XI work plan. Conducted: Hydrostatic □ Pno Other ⊠ Press	aced one end cover to maintenance. Replace eumatic Nominal sure System	Operating Pr _ Test Temp	essure □ Test Pr p. <u>N/A</u>	ocedure: <u>N</u> _•F	1-IST-GEN-FUN-	3B
noie: Su informal number	opplemental sheets in tion in items 1 thr of sheets is record	n form of lists, sketch ough 6 on this repor led at the top of this	es, or grawir t is included form.	on each sheet, and	(3) each s	heet is numbered	l and the

9. Remarks: This was not the result of an inservice failure. Upon disassembly of heat exchanger (HTX-80-33) an end cover bolt was damaged and required replacing. The heat/trace number of the replacement bolt is F22875. A VT-2 examination was completed in conjunction with the inservice examination (reference NDE examination 1-2.01-96-0306).

	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 Many Mark Date 1/9 19 97
	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 6/26/46 to 1/9197, 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.
	Inn D Chalus Commissions NIB 8 4 96 17 7 2812 Inspector's Signature National Board, State, Province, and Endorsements
	Date

(12/82)

CONTRACTOR OF THE PROPERTY OF

men en grans and referê ? ally as to allifornia for fall freshings in the exemitation of

1. Own		awk Power Corpor	ation	Date _	March 2	9, 1997	
	Nine Mile Point	P.O. Box 63 Lyco	ming N.Y.	13093 Sh	eet	of	1
2. Plant	: <u>Nine Mile I</u> Na			Unit _1	<u> </u>		:
<u>P.O.</u>	Box 63 Lycomir Addr	ng. New York 130	093 .	<u>M</u> Repai	ech. Ma r Organi	int. Work Order No. zation P.O. No., Job	96-02558-0 No., etc.
	Nine Mile Point F	Niagara Mohawk Name P.O. Box 63 Lycor	-	Authori	zation N	ool Stamp <u>N/A</u> o. <u>N/A</u> Date <u>N/A</u>	•
5. (a) A (b) A	ification of System opplicable Construpplicable Edition	of Section XI Util	B31.1 ized for Rep	SPRAY 19 <u>55</u> Editionairs or Replacement	n <u>, None</u> ts 19 <u>83,</u>	_ Addenda, <u>N/A</u> Co Sum. '83 ADD.	ode Case
6. Iden	tification of Com	ponents Repaired o	or Replaced	and Replacement Co	omponen	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
CKV-80-	Crane	N/A	N/A 	CLASS 2	1965	REPLACEMENT	· No
	-			`			-
·							<u>.</u>
				•			
7. Desc	ription of Work	Performed modi	fication to e	xisting check valve 1F00117A and ASI	by add ME Wor	ing a 3" pipe over a k Plan in Work Order	1" latrole r 96-02558
8. Tests	Conducted: APP	PENDIX "J" LEAK	—— CRATE TES	STING			
					t Proced	ure: <u>N1-ISP-LRT-TY</u> I	B ATT. 80
	-	sure Tes	=				
NOTE: x 11 in	Supplemental s	heets in form of on in items 1 thro other of sheets is	lists, sketcl ough 6 on t	hes, or drawings in this report is included the top of this f	may be ded on e	used, provided (1) s each sheet, and (3)	ize is 8 ½ each shee

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This was not a service failure. Modification to check valve performed to accommodate future inspections. Final inspection of welding performed per QIR No. 1-97-0142 and NDE Examination Report 1-3.00-97-0061. Leak testing performed satisfactorily in accordance with N1-ISP-LRT-TYB att. 80-38 per Work Order 96-02558-02. Heat code for 3" pipe N68850. Material certs / heat no. for weld materials: Cert no. C-96-0214 / Heat no. 76970 and Cert no. C-92-0072 / Heat no. F8080.

CERTIFICATE OF COMPLIANCE

_conforms to the

We certify that the statements made in the report are correct and this replacement

rules of the ASME Code, Section AI.
Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None Signed Stb Lle For 6.0074, Manalus Maint - U1 Date 7/29 , 19 97 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 NEW YORK
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.
Zmn Dayles Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements
Date 7/30,1997

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

As Required by the Provisions of the ASME Code Section XI

1. Own	er <u>Niagara Moha</u> Name	wk Power Corporation		Date January 22, 199	7		
******	1	O. Box 63 Lycoming N	.Y. 13093	Sheet1	of	_1	
2. Plan	t <u>Nine Mile Po</u> Name	pint	ບ	nit1			
.P.O.	Box 63 Lycoming	New York 13093		<u>Mech. Maint. Wo</u> Repair Organizati	rk Order No.	o. 96-03719-00	
	•	Niagara Mohawk Power Name O. Box 63 Lycoming N. s	•	Type Code Symbol Sta Authorization No	•		
5. (a) A	pplicable Construc	tion Code <u>ASA B31.1</u> AISC (SUPP ASC SUPP AISC SUPP AISC SUPP AISC SUPP AISC SUPP	(PIPING) 19 ORTS) 6T Repairs or Re	55 Edition <u>, N/A</u> Ad <u>H</u> Edition, placements 19 <u>83, Sum</u> .		A_ Code Case	
G	NAME OF ' MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stampe (Yes or No
D-H27	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPAIR	No
						,	<u> </u>
				-			
	1		<u> </u>		<u></u>		1
7. Desci No. 180		pair pipe support 80-H27	by wekling per	ASME Work Plan, Wor	k Order No	o. 96-03719-00 and E	DC —
8. Tests	Conducted:						
	•	ımatic 🗆 Nominal Oper	•		IONE		
							

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ 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: Repaired pipe support 80-H27 by welding. This repair was not the result of an inservice failure. Reference DER 1-96-0850 for unacceptable welds. Added weld filler material, heat numbers: 66986 (1/8") and 76970 (3/32"). Performed inspections per QIR 1-97-0013 and performed VT-3 examination of support to establish new baseline per NDE report no. 1-2.01-97-0006.

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 repair

Type Code Symbol Stamp None
Certificate of Authorization No None Expiration Date None
Signed Maint. Manager 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 <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 12 120 14 to 7 12 3 1 9 7, 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.
Zym D Order Commissions NBS 496 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Date 7/23,19 <u>97</u>

ASME Code, Section XI.

1. Own	ner <u>Niagara Moha</u> Name	wk Power Corporation		Date APRIL 22, 1997				
	Nine Mile Point P	O. Box 63 Lycoming N	LY. 13093	Sheet1	of	1		
2. Plan	ut <u>Nine Mile Po</u> Name	pint	u	Unit1				
<u>P.O</u>	. Box 63 Lycoming Address	r, New York 13093		<u>Mech. Maint. Wo</u> Repair Organizat	ork Order N	lo. 96-03720-00		
		Niagara Mohawk Powe Name O. Box 63 Lycoming N.	-	Type Code Symbol Sta Authorization NoN Expiration Date 1	/A			
5. (a) A (b) A	tification of System Applicable Construct Applicable Edition o	a <u>CONTAINMENT SP</u> ction Code <u>ASA 195</u> of Section XI Utilized fo conents Repaired or Rep	<u>5</u> Edition <u>, N</u> r Repairs or Re	<mark>//A_ Addenda, <u>N/A_</u> (</mark> placements 19 <u>83. Sum</u>				
NAME OF	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL NO.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamp (Yes.' or N	
80-H32	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT .	No	
14				,				
	<u> </u>		<u>. J</u>		<u> </u>	·		
	ription of Work :_Ir SME Work Plan, V	nstalled new base plate. Vork Order No. 96-037	Hilti's and regr 20-00, DDC No	routed pipe support 80-1 o. 1S00078A and DER	132. Work 1-96-0851.	performed in accorda	nce —	
I		ımatic □ Nominal Ope re Test Tem	•	_	NONE			
11 in.,	, (2) information	neets in form of lists, in items 1 through (ber of sheets is recor	6 on this repo	ort is included on ea	ed, provid ch sheet,	ed (1) size is 8 ½ in and (3) each sheet	·x :is	

Remarks: This replacement was not the result of an inservice failure. Replaced baseplate, item 2 on drawing B-80-H32 (Cert. No. C-92-1001, HT. No. Y27334). Performed VT-3 examination of support to establish new baseline per NDE report no. 1-2.01-97-0134.

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 <u>NEW YORK</u> and employed by <u>ARKWRIGHT</u> of
MASSACHUSETTS have inspected the components described in this Owner's Report during the period 4/12/197 to 7/23/197, 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.
Lynn D Orders Commissions NB 8496 1442812 Inspector's Signature National Board, State, Province, and Endorsements
Date7/23,19 <u>9</u> 7

1. Owner	r <u>Niagara Mohaw</u>	k Power Corporati	ion	Dale _		3/21/95	
	Name Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Address				el	of	, 1
2. Plant	Nine Mile	Point Name	*	U	Init	1	
<u>P.O.</u>	Box 63 Lycoming	New York 13093	3	Mechanical Main Repair	n <u>ienance</u> Organiza	W.O. 95-00711-00 tion P.O. No., Job !	<u>& 95-00824-0</u> No., etc.
4. Ident 5. (a) A (b) A	Nine Mile Point ification of Syste pplicable Constru pplicable Edition	of Section XI Utili	ing N.Y. 130 pray (80) 19 <u>55</u> Editi zed for Repa	•	Authorization l	3. S83	
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
0-H82	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
0-H8 ' 6	MW KELLOGG	None	N/A	Class 2 *	1955	Replacement	No
0-H87	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
0-SC47	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
D-A13	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No ·
		nstalled tubing supp -002LG002, N1-95 equired ASME docu		ordance with W.O. 91 DDC 1800162. DER	5-00711 1-96-10	-00. W.O. 95-00824- 015 was written due	00. Modification

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 % 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. This work was required because the existing tube routings have spans which exceed the allowable spans given in specification NS-0003-94. This NIS-2 is required because these changes affect existing supports which are in the ISI program plan. These additional tubing supports are required to satisfy our licensing basis. In lieu of a PSI examination, shop and field examinations performed by Raytheon for supports 80-A13, 80-H82, 80-H86, 80-H87, 80-SC47 has been reviewed and determined to meet the applicable requirements of IWC-2200.

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 Mar UI Engra Date 5/23 19 97 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 2/25/97 to 5/28/97, 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 NB 6 496 NY 2812 National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date5/28 ,1997

1	Nine Mile Point P.O.	me' Box 63 Lycoming N.Y. Address	13093	Sheet1	of	_1	
2. Plant	Nine Mile Point		Unit _				
<u>P.O.</u>	Box 63 Lycoming, N Address	lew York 13093		<u>Mech. Maint. Wor</u> Repair Organizatio	k Order N	To. 96-04762-05	
N	line Mile Point P.O.) Address ification of System R	ngara Mohawk Power Contains Box 63 Lycoming N.Y. EACTOR CONTAINM Todo ASA B31.1	13093 Au		A /A SYSTEM	201)	
(b) A _I	pplicable Edition of S	ection XI Utilized for Rents Repaired or Replace	epairs or Replac	ements 19 <u>83. Sum.</u>			
E 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
01-16	ALLIS CHALMERS .	N/A	N/A	BUTTERFLY VALVE CLASS 2	1969	REPLACEMENT	NO
8. Tests	Work was performed	ormed weld buildup of the in accordance with ASM longing Pressure	E work plan, W.	O, 96-04762-05, DE	OC 1M003	59B and DER 1-96-30	<u>63.</u> − ∴
NOTE: S	Supplemental shee	Test Tempts in form of lists, skeitems 1 through 6 o	etches, or dra	wings may be use is included on eac	d, provid h sheet,	ed (1) size is 8 ½ in and (3) each sheet	. x ∷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. Performed weld buildup of the inside diameter of the inboard flange to act as a retainer for the valve soft seat. Weld material Cert. No. C-96-0787 & HT. No. 66986 for 1/8" electrode, Cert. No. C-96-0214 & Ht. No. 76970 for 3/32" electrode. Reference QIR No. 1-97-0237 for visual examination of weld and NDE Report No. 1-4.00-97-0102 for MT examination. Reference NDE Report No. 1-2.01-97-0139 for VT-2 examination which was performed in conjunction with W.O. 96-04762-04.

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 Date 7-22, 1947 Ounce or Ounder'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 3/27/97 to 7/23/97, 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.
Lynn Darless Commissions N 8 4 96 NY 28 12 Inspector's Signature National Board, State, Province, and Endorsements
Date

		Box 63 Lycoming N.Y.	13093	Sheet1	_of		
2. Plant	Nine Mile Point Name		Unit _	1		·	
<u>P.O.</u>	Box 63 Lycoming, N Address	ew York 13093		<u>Mech. Maint. Worl</u> Repair Organizatio			
	-	gara Mohawk Power Co Name Roy 63 Lycoming N. V	Δ11	ne Code Symbol Stan thorization No. <u>N//</u> Expiration Date <u>N</u> /	-		
		Box 63 Lycoming N.Y. EACTOR CONTAINME					
(b) A	pplicable Edition of S	n Code <u>ASA B31.1</u> ection XI Utilized for Re ents Repaired or Replace	pairs or Replac	ements 19 <u>83, Sum.</u>			
AME 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
-201-08 .·	ALLIS CHALMERS	N/A [*]	N/A	BUTTERFLY VALVE CLASS 2	1969	REPLACEMENT	NO
					<u> </u>	<u> </u>	1
7. Desc soft seat	ription of Work: <u>Perf</u> . Work was performed	ormed weld buildup of the in accordance with ASM	he inside diame E work plan, W	ter of the inboard fla .O. 96-04763-05. DE	nge to act DC 1M003	as a retainer for the ya 59B and DER 1-96-30	alye 163. —
	Conducted:				••	1 24 774 50	
Hydros		Nominal Operating Pressa Test Temp		ocedure: <u>Sys. Functio</u>	onal in acc	oriance with IWA-32	, IIB

9. Remarks: This replacement was not the result of an inservice failure. Performed weld buildup of the inside diameter of the inboard flange to act as a retainer for the valve soft seat. Weld material Cert. No. C-96-0787 & HT. No. 66986 for 1/8" electrode, Cert. No. C-96-0214 & Ht. No. 76970 for 3/32" electrode. Reference QIR No. 1-97-0239 for visual examination of weld and NDE Report No. 1-4.00-97-0103 for MT examination. Reference NDE Report No. 1-2.01-97-0140 for VT-2 examination which was performed in conjunction with W.O. 96-04763-04.

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 Munt Munual Date 7.22, 19 97 Owner or Owner's Besignee, 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 3/28/97 to 7/23/97, 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.
Tynn Darlusa Commissions NB 8 4 96 NY 2812 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date7/23_,19_97