

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
which ended on May 10, 1997

This document completed
August 7, 1997

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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-eighths (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 88-01⁴ 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.



at certain welds. There were six (6) examinations of welds for which the examination coverage did not satisfy the requirement, for which relief will be submitted at a later date. As a result, applicable B-J examinations, added to those credited to the first two Periods, equate to 162 of 185 (includes AL) for a percentage completion of 88% for Code Examination Category B-J.

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 met; 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 population⁷. 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

Page 1 of 3

1. Owner Niagara Mohawk Power Corporation PO Box 63, Lycoming, NY 13093
(Name and Address of Owner)
2. Plant Nine Mile Point Unit #1 PO Box 63, Lycoming, NY 13093
(Name and Address of Plant)
3. Plant Unit # 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date Dec. 1969 6. National Board Number for Unit None
7. Components Inspected Please see attached Abstract of Examinations pages 1 - 18

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RPV	Combustion Engineering	CE64101	N/A	14893
RPV HEAD	Combustion Engineering	CE64101	N/A	14893
PMP 32-188	Byron Jackson Pump Div.	32-188	N/A	N/A
PMP 32-191	Byron Jackson Pump Div.	32-191	N/A	N/A
32-385	Crane-Chapman	32-385	N/A	N/A
32-386	Crane-Chapman	32-386	N/A	N/A
32-387	Crane-Chapman	32-387	N/A	N/A
32-389	Crane-Chapman	32-389	N/A	N/A
38-01	Crane-Chapman	38-01	N/A	N/A
01.0 Main Steam	M.W.Kellogg	01.0	N/A	N/A
31.0 Feedwater	M.W.Kellogg	31.0	N/A	N/A
32.0 Reactor Recirculation	Newport News Industrial Corp.	32.0	N/A	N/A
33.0/2/3 Reactor Water Cleanup	M.W.Kellogg	33.0/33.2/33.3	N/A	N/A
36.0 Reactor Instrumentation	M.W.Kellogg	36.0	N/A	N/A
37.0/37.1 Reactor Vent & Drain	M.W.Kellogg	37.0/37.1	N/A	N/A
38.0 Reactor Shutdown Cooling	M.W.Kellogg	38.0	N/A	N/A
39.0 Emergency Condenser	M.W.Kellogg	39.0	N/A	N/A
40.0 Reactor Core Spray	M.W.Kellogg	40.0	N/A	N/A
42.1 Liquid Poison	M.W.Kellogg	42.1	N/A	N/A
44.1 CRD (Isolation To Reactor)	M.W.Kellogg	44.1	N/A	N/A
54.0 Fuel Pool Cooling	M.W.Kellogg	54.0	N/A	N/A

Note: Supplemental sheets in the 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 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

1. Owner Ningara Mohawk Power Corporation PO Box 63, Lycoming, NY 13093
(Name and Address of Owner)
2. Plant Nine Mile Point Unit #1 PO Box 63, Lycoming, NY 13093
(Name and Address of Plant)
3. Plant Unit #1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date Dec. 1969 6. National Board Number for Unit None
7. Components Inspected Please see attached Abstract of Examinations pages 1 - 18

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
60.0 Emergency Condenser 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

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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

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 7/9/97 Signed Niagara Mohawk Power Corporation By [Signature] Owner for C. B. Nathan
228 8/17/97

Certificate of Authorization No. (if applicable) N/A Expiration Date N/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 York and employed by Arkwright Mut. Ins. Co. of Mass. have inspected the components described in this Owner's Data Report during the period 4/5/95 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
[Signature] Commissions NB 8496 SNY 2812
Inspector's Signature [Signature] National Board, State, Province and No. 8/8/97



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
00.0	36-WD-1073	1-6.08-97-0032	UT-45	*	3/24/97	Acceptable by Examination * 30% CRV achieved by averaging sum of required scans. Relief Request Required.
		1-6.08-97-0033	UT-60	*	3/24/97	
		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
		1-6.07-97-0038	UT-70	100	3/15/97	
		1-6.07-97-0039	UT-45	100	3/17/97	
		1-6.07-97-0040	UT-45	100	3/17/97	
00.0	37-WD-001-IR	1-6.07-97-0002	UT-45	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	
		1-6.13-97-0011	UT-45	100	3/20/97	
		1-6.13-97-0012	UT-60	100	3/20/97	
		1-6.13-97-0013	UT-45	100	3/21/97	
00.0	CH-576-07C-B	1-2.01-97-0033	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12A-B	1-2.01-97-0025	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12D-B	1-2.01-97-0032	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12E-B	1-2.01-97-0031	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12G-B	1-2.01-97-0030	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12H-B	1-2.01-97-0026	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12J-B	1-2.01-97-0027	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12L-B	1-2.01-97-0028	VT-1	100	3/8/97	Acceptable by Examination
00.0	CH-576-12M-B	1-2.01-97-0029	VT-1	100	3/8/97	Acceptable by Examination
00.0	CRD-A4-B	1-2.01-97-0076	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-B2-B	1-2.01-97-0098	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-D2-B	1-2.01-97-0096	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-D7-B	1-2.01-97-0077	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-E4-B	1-2.01-97-0092	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-F1-B	1-2.01-97-0089	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-G2-B	1-2.01-97-0079	VT-1	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	1-2.01-97-0100	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-K4-B	1-2.01-97-0069	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-K5-B	1-2.01-97-0073	VT-1	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
00.0	CRD-N3-B	1-2.01-97-0101	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-N4-B	1-2.01-97-0088	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-N6-B	1-2.01-97-0067	VT-1	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-O1-B	1-2.01-97-0103	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-O2-B	1-2.01-97-0086	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-O3-B	1-2.01-97-0095	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-O5-B	1-2.01-97-0072	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-O8-B	1-2.01-97-0064	VT-1	100	3/13/97	Acceptable by Examination



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
00.0	CRD-R2-B	1-2.01-97-0082	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-R4-B	1-2.01-97-0065	VT-1	100	3/13/97	Acceptable by Examination
00.0	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
00.0	CRD-S3-B	1-2.01-97-0071	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-S4-B	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	1-2.01-97-0097	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-U3-B	1-2.01-97-0093	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-U4-B	1-2.01-97-0070	VT-1	100	3/13/97	Acceptable by Examination
00.0	CRD-U7-B	1-2.01-97-0099	VT-1	100	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
00.0	FUEL SUPPORT CASTING @ 10-39	1-2.01-97-0045	VT-3	*	4/12/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING @ 18-39	1-2.01-97-0045	VT-3	*	4/12/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING @ 22-03	1-2.01-97-0045	VT-3	*	4/17/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING @ 22-39	1-2.01-97-0045	VT-3	*	4/12/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING @ 26-39	1-2.01-97-0045	VT-3	*	4/12/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING @ 30-39	1-2.01-97-0045	VT-3	*	4/12/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING @ 50-31	1-2.01-97-0045	VT-3	*	4/17/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 10-15	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 @ 10-23	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 @ 10-31	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 @ 14-23	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 @ 14-31	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 @ 14-47	1-2.01-97-0045	VT-3	*	4/12/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I
00.0	FUEL SUPPORT CASTING & CONTROL ROD GUIDE TUBE @ 18-15	1-2.01-97-0045	VT-3	*	4/11/97	Acceptable by Examination * 100 % of the accessible area. Reference: RV-16-I



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	VT-1	*	3/27/97	Acceptable by Examination
		1-2.01-97-0045	VT-3	*	4/10/97	* 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



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
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	
		1-6.08-97-0010	UT-60	100	3/21/97	
		1-4.00-97-0092	MT	100	3/22/97	
00.0	RV-WD-001 (EF)	1-6.08-97-0002	UT-0	100	3/21/97	Acceptable by Examination
		1-6.08-97-0003	UT-45	100	3/21/97	
		1-6.08-97-0004	UT-60	100	3/21/97	
		1-4.00-97-0088	MT	100	3/22/97	
00.0	RV-WD-001 (FG)	1-6.08-97-0011	UT-0	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	
00.0	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	
		1-6.08-97-0007	UT-60	100	3/21/97	
		1-4.00-97-0090	MT	100	3/22/97	
00.0	RV-WD-001 (HA)	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	
		1-6.08-97-0016	UT-60	100	3/21/97	
		1-4.00-97-0091	MT	100	3/22/97	
00.0	RV-WD-002	1-6.08-97-0035	UT-0	100	3/24/97	Acceptable by Examination
		1-6.08-97-0036	UT-45	100	3/24/97	
		1-6.08-97-0037	UT-60	100	3/24/97	
00.0	RV-WD-011	1-3.00-97-0146	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0026	UT-60	100	3/22/97	
		1-6.13-97-0027	UT-30	100	3/22/97	
		1-6.13-97-0028	UT-45	100	3/22/97	
		1-6.13-97-0029	UT-45	100	3/22/97	
00.0	RV-WD-013	1-3.00-97-0142	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0014	UT-60	100	3/22/97	
		1-6.13-97-0015	UT-30	100	3/22/97	
		1-6.13-97-0016	UT-45	100	3/22/97	
		1-6.13-97-0017	UT-45	100	3/22/97	
00.0	RV-WD-015	1-3.00-97-0149	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0054	UT-30	100	3/22/97	
		1-6.13-97-0055	UT-45	100	3/22/97	
		1-6.13-97-0056	UT-45	100	3/22/97	
		1-6.13-97-0057	UT-60	100	3/22/97	
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	
		1-6.13-97-0059	UT-30	100	3/24/97	
		1-6.13-97-0060	UT-45	100	3/24/97	
		1-6.13-97-0061	UT-60	100	3/24/97	
00.0	RV-WD-019	1-3.00-97-0151	PT	100	3/23/97	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	
		1-6.13-97-0040	UT-45	100	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	
		1-6.13-97-0043	UT-45	100	3/22/97	
		1-6.13-97-0044	UT-45	100	3/22/97	
		1-6.13-97-0045	UT-60	100	3/22/97	



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
00.0	RV-WD-023	1-3.00-97-0153	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0046	UT-30	100	3/22/97	
		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 * 30% CRV achieved by averaging sum of required scans.Relief Request Required.
		1-6.08-97-0018	UT-45	*	3/24/97	
		1-6.08-97-0019	UT-60	*	3/24/97	
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 * 30% CRV achieved by averaging sum of required scans.Relief Request Required.
		1-6.08-97-0021	UT-45	*	3/24/97	
		1-6.08-97-0022	UT-60	*	3/24/97	
00.0	RV-WD-028	1-6.08-97-0023	UT-0	*	3/24/97	Acceptable by Examination * 30% CRV achieved by averaging sum of required scans.Relief Request Required.
		1-6.08-97-0024	UT-45	*	3/24/97	
		1-6.08-97-0025	UT-60	*	3/24/97	
00.0	RV-WD-028-IR	1-6.07-97-0017	UT-45	100	3/15/97	Acceptable by Examination
		1-6.07-97-0018	UT-70	100	3/15/97	
		1-6.07-97-0019	UT-45	100	3/17/97	
		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 * 30% CRV achieved by averaging sum of required scans.Relief Request Required.
		1-6.08-97-0027	UT-45	*	3/24/97	
		1-6.08-97-0028	UT-60	*	3/24/97	
00.0	RV-WD-030-IR	1-6.07-97-0016	UT-45	100	3/17/97	Acceptable by Examination
		1-6.07-97-0013	UT-45	100	3/17/97	
		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 * 30% CRV achieved by averaging sum of required scans.Relief Request Required.
		1-6.08-97-0030	UT-45	*	3/24/97	
		1-6.08-97-0031	UT-60	*	3/24/97	
00.0	RV-WD-032-IR	1-6.07-97-0021	UT-45	100	3/17/97	Acceptable by Examination
		1-6.07-97-0022	UT-45	100	3/17/97	
		1-6.07-97-0023	UT-45	100	3/15/97	
		1-6.07-97-0024	UT-70	100	3/15/97	
00.0	RV-WD-033	1-3.00-97-0147	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0030	UT-45	100	3/22/97	
		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	
		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
		1-6.13-97-0022	UT-60	100	3/22/97	
		1-6.13-97-0023	UT-30	100	3/22/97	
		1-6.13-97-0024	UT-45	100	3/22/97	
		1-6.13-97-0025	UT-45	100	3/22/97	



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam 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	UT-70	100	3/15/97	
		1-6.07-97-0036	UT-45	100	3/15/97	
00.0	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	
00.0	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	
00.0	RV-WD-039	1-3.00-97-0148	PT	100	3/23/97	Acceptable by Examination
		1-6.13-97-0034	UT-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
		1-6.07-97-0046	UT-45	100	3/15/97	
		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
		1-6.07-97-0030	UT-70	100	3/15/97	
		1-6.07-97-0031	UT-45	100	3/17/97	
		1-6.07-97-0032	UT-45	100	3/17/97	
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	100	3/17/97	
		1-6.07-97-0028	UT-45	100	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	UT-60	100	3/7/97	
		1-6.02-97-0005	UT-45	100	3/11/97	
		1-6.02-97-0006	UT-0	100	3/11/97	
		1-6.02-97-0007	UT-60	100	3/11/97	
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
		1-5.00-97-0002	RT	100	3/21/97	
01.0	01-WD-050	1-4.00-97-0030	MT	100	3/11/97	Acceptable by Examination
		1-6.02-97-0010	UT-0	100	3/11/97	
		1-6.02-97-0011	UT-45	100	3/11/97	
		1-6.02-97-0016	UT-0	N/A	3/11/97	
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	
		1-6.02-97-0015	UT-0	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



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
01.0	RPV SKIRT AND BOLTING	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	1-3.00-97-0051	PT	100	3/14/97	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	1-3.00-97-0052	PT	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	1-2.01-96-0089	VT-3/4	100	4/3/96	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	1-2.01-96-0090	VT-3/4	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
31.0	31-HS-1	1-2.01-97-0062	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
		1-6.02-97-0020	UT-0	100	3/20/97	
		1-6.02-97-0021	UT-45	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
32.0	32-11-H2	1-2.01-96-0078	VT-3/4	100	4/2/96	Acceptable By Examination
32.0	32-11-H4B	1-2.01-96-0096	VT-3/4	100	4/3/96	Acceptable By Examination
32.0	32-11-H6	1-2.01-96-0081	VT-3/4	100	4/2/96	Acceptable by Evaluation
32.0	32-12-H1	1-2.01-96-0066	VT-3/4	100	4/2/96	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	1-3.00-97-0066	PT	100	3/17/97	Acceptable by Examination
32.0	32-12-H4-WD-004	1-3.00-97-0067	PT	100	3/17/97	Acceptable by Examination
32.0	32-12-H5	1-2.01-96-0095	VT-3/4	100	4/3/96	Acceptable By Examination
32.0	32-12-H6	1-2.01-96-0082	VT-3/4	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	1-3.00-97-0054	PT	100	3/15/97	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	32-381-WD-002	1-3.00-97-0133	PT	100	3/21/97	Acceptable by Examination
32.0	32-382-WD-002	1-3.00-97-0068	PT	100	3/17/97	Acceptable by Examination
32.0	32-384-WD-001	1-3.00-97-0046	PT	100	3/13/97	Acceptable by Examination
32.0	32-384-WD-002	1-3.00-97-0047	PT	100	3/13/97	Acceptable by Examination



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
32.0	32-385-VB	1-2.01-97-0046	VT-1	100	3/10/97	Acceptable by Evaluation
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
32.0	32-389-VB	1-2.01-97-0105	VT-1	100	3/15/97	Acceptable by Examination
32.0	32-MS-10	1-2.01-96-0100	VT-3/4	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
32.0	32-MS-12	1-2.01-96-0068	VT-3/4	100	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	1-2.01-96-0101	VT-3/4	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	1-2.01-96-0072	VT-3/4	100	4/2/96	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	1-2.01-96-0077	VT-3/4	100	4/2/96	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	1-2.01-96-0080	VT-3/4	100	4/2/96	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	1-3.00-97-0162	PT	100	3/24/97	Acceptable by Examination
		1-6.03-97-0238	UT-45	100	3/24/97	Expanded Sample.No Code Credit taken.
		1-6.03-97-0239	UT-60	100	3/24/97	
32.0	32-WD-011-FB	1-2.01-97-0022	VT-1	100	3/5/97	Acceptable by Examination
32.0	32-WD-048	1-3.00-97-0160	PT	100	3/25/97	Acceptable by Examination
		1-6.03-97-0252	UT-45	100	3/25/97	Expanded Sample.No Code Credit taken.
32.0	32-WD-049	1-3.00-97-0096	PT	100	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	1-3.00-97-0108	PT	100	3/18/97	Acceptable by Evaluation
		1-6.03-97-0218	UT-45	100	3/18/97	
		1-6.03-97-0219	UT-60	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	
		1-6.06-97-0004	UT-MULTI	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	1-3.00-97-0094	PT	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
		1-6.03-97-0253	UT-45	100	3/25/97	Expanded Sample.No Code Credit taken.
32.0	32-WD-053	1-3.00-97-0029	PT	100	3/10/97	Acceptable by Examination
32.0	32-WD-057	1-3.00-97-0174	PT	100	3/25/97	Acceptable by Examination
		1-6.03-97-0259	UT-45	100	3/25/97	Expanded Sample.No Code Credit taken.
		1-6.03-97-0260	UT-60	100	3/25/97	
32.0	32-WD-063	1-3.00-97-0089	PT	100	3/19/97	Acceptable by Examination



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
32.0	32-WD-074	1-3.00-97-0090	PT	100	3/18/97	Acceptable by Examination
32.0	32-WD-075	1-3.00-96-0011	PT	100	11/9/96	Acceptable by Examination
		1-6.03-96-0009	UT-45	100	11/9/96	
		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	UT-45	76.5	3/7/97	Relief Request Required
		1-6.03-97-0034	UT-60	76.5	3/7/97	
32.0	32-WD-172	1-3.00-97-0019	PT	100	3/7/97	Acceptable by Examination
		1-6.03-97-0026	UT-45	100	3/7/97	
		1-6.03-97-0027	UT-45	100	3/7/97	
		1-6.03-97-0028	UT-60	100	3/7/97	
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	
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	
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	



Niagara Mohawk Power Corporation, PO Box 63, Lycoming, NY 13093
 Nine Mile Point Unit 1, Lycoming, NY 13093 Commercial Service Date: Dec. 1969
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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
		1-6.03-96-0021	UT-45	100	11/10/96	
		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 * Supplemental "L" wave
		1-6.03-97-0216	UT-45	100	3/17/97	
		1-6.03-97-0217	UT-60	*	3/17/97	
33.0	33-WD-048	1-3.00-97-0080	PT	100	3/17/97	Acceptable by Examination * Supplemental "L" wave
		1-6.03-97-0212	UT-45	98	3/17/97	
		1-6.03-97-0213	UT-60	*	3/17/97	
33.0	33-WD-054	1-3.00-97-0155	PT	42.8	3/21/97	Acceptable by Examination Relief Request Required
		1-6.02-97-0032	UT-60	47.6	3/21/97	
		1-6.02-97-0033	UT-0	47.6	3/21/97	
		1-6.02-97-0034	UT-45	47.6	3/21/97	
		1-6.02-97-0035	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 Relief Request Required
		1-6.02-97-0024	UT-0	60	3/21/97	
		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	



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
33.0	33-WD-061	1-3.00-97-0156	PT	50	3/21/97	Acceptable by Examination Relief Request Required
		1-6.02-97-0028	UT-0	50.4	3/21/97	
		1-6.02-97-0029	UT-45	50.4	3/21/97	
		1-6.02-97-0030	UT-45	50.4	3/21/97	
		1-6.02-97-0031	UT-60	50.4	3/21/97	
33.0/33.2	33-H34	1-2.01-96-0037	VT-3/4	100	4/2/96	Acceptable By Examination
33.0/33.2	33-H35	1-2.01-96-0040	VT-3/4	100	4/2/96	Acceptable By Examination
33.0/33.2	33-HS-1	1-2.01-97-0116	VT-3/4	100	3/18/97	Acceptable by Examination
33.0/33.2	33.2-4-R1	1-2.01-96-0032	VT-3	100	4/2/96	Acceptable By Examination
33.0/33.2	33.2-4-R2	1-2.01-96-0033	VT-3	100	4/2/96	Acceptable By Examination
33.0/33.2	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	UT-45	100	3/20/97	
		1-6.13-97-0008	UT-45	100	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	100	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
		1-6.03-97-0250	UT-45	100	3/25/97	



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
39.0	39-WD-017	1-3.00-97-0120	PT	100	3/20/97	Acceptable by Examination
		1-6.03-97-0220	UT-45	100	3/20/97	
		1-6.03-97-0221	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
		1-6.03-97-0225	UT-45	100	3/20/97	
39.0	39-WD-017-U	1-3.00-97-0122	PT	100	3/20/97	Acceptable by Examination
		1-6.03-97-0226	UT-45	100	3/20/97	
39.0	39-WD-020	1-3.00-97-0119	PT	100	3/20/97	Acceptable by Examination
		1-6.03-97-0222	UT-45	100	3/20/97	
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
		1-6.03-97-0156	UT-45	100	3/15/97	
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	1-3.00-97-0058	PT	100	3/15/97	Acceptable by Examination
		1-6.03-97-0156	UT-45	100	3/15/97	
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	
39.0	39-WD-102-D	1-6.03-97-0243	UT-45	100	3/22/97	Acceptable by Examination
		1-6.03-97-0243	UT-45	100	3/22/97	
39.0	39-WD-112-D	1-3.00-97-0141	PT	100	3/15/97	Acceptable by Examination
		1-6.03-97-0231	UT-0	100	3/15/97	
39.0	39-WD-112-D	1-6.03-97-0232	UT-45	100	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
		1-6.03-97-0157	UT-45	100	3/15/97	
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
40.0	40-HS-9	1-2.01-97-0035	VT-3/4	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-WD-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	
		1-6.03-97-0098	UT-45	100	3/13/97	
40.0	40-WD-075-U	1-3.00-97-0042	PT	94	3/13/97	Acceptable by Examination
		1-6.03-97-0099	UT-45	94	3/13/97	
		1-6.03-97-0100	UT-45	94	3/13/97	
40.0	40-WD-077	1-6.03-97-0112	UT-45	100	3/13/97	Acceptable by Examination
		1-6.03-97-0118	UT-45	100	3/13/97	
		1-3.00-93-0115	PT	100	3/5/93	



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
40.0	40-WD-079	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
		1-6.03-96-0005	UT-45	100	11/8/96	
40.0	40-WD-080	1-6.13-96-0002	UT-45	100	11/8/96	Acceptable by Examination
		1-6.13-96-0003	UT-60	100	11/8/96	
		1-6.13-96-0004	UT-45	100	11/8/96	
		1-6.13-96-0005	UT-45	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	1-2.01-96-0048	VT-3	100	4/2/96	Acceptable By Examination
42.1	42.1-WD-005	1-3.00-97-0114	PT	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	5A	1-2.01-95-0286	VT-2	100	6/15/95	Acceptable by Examination
44.1	X-174 PENET.	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
54.0	54-R1-M	1-2.01-96-0251	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R1-N	1-2.01-96-0252	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R1-Q	1-2.01-96-0255	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R11-A	1-2.01-96-0246	VT-3	100	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	54-R15-A	1-2.01-97-0020	VT-3	100	3/5/97	Acceptable by Examination
54.0	54-R15-B	1-2.01-97-0014	VT-3	100	3/4/97	Acceptable by Examination
54.0	54-R20-AC	1-2.01-96-0257	VT-3	100	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	1-2.01-96-0276	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R8-F	1-2.01-96-0274	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R8-G	1-2.01-96-0272	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R8-H	1-2.01-96-0269	VT-3	100	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
54.0	54-R8-M	1-2.01-96-0263	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R8-N	1-2.01-96-0261	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-R8-P	1-2.01-96-0254	VT-3	100	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	54-SCR-1L	1-2.01-96-0247	VT-3	100	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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54.0	54-SCR-1N	1-2.01-96-0275	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-1P	1-2.01-96-0278	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-1Q	1-2.01-96-0271	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-1R	1-2.01-96-0270	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-1T	1-2.01-96-0262	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-3BB	1-2.01-96-0253	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-4A	1-2.01-96-0258	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-4B	1-2.01-96-0273	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-4C	1-2.01-96-0265	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-4D	1-2.01-96-0260	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SCR-4F	1-2.01-97-0019	VT-3	100	3/5/97	Acceptable by Examination
54.0	54-SCR-5H	1-2.01-97-0012	VT-3	100	3/4/97	Acceptable by Examination
54.0	54-SCR-5J	1-2.01-97-0015	VT-3	100	3/4/97	Acceptable by Examination
54.0	54-SCR-5K	1-2.01-96-0243	VT-3	100	5/13/96	Acceptable by Examination
54.0	54-SR-3	1-2.01-97-0017	VT-3	100	3/4/97	Acceptable by Examination
54.0	CIRC PUMP FP-54-01	1-2.01-96-0259	VT-3	100	5/13/96	Acceptable by Examination
57.0	BV-57-64	1-2.01-96-0310	VT-2	100	10/10/96	Acceptable by Examination
57.0	CKV-57-13	1-2.01-96-0241	VT-2	100	5/3/96	Acceptable by Examination
60.0	7A	1-2.01-95-0287	VT-2	100	7/13/95	Acceptable by Examination
60.0	7B	1-2.01-95-0287	VT-2	100	7/13/95	Acceptable by Examination
68.0	5	1-2.01-95-0289	VT-2	100	9/26/95	Acceptable by Examination
70.0	70-A1	1-2.01-96-0131	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-A2	1-2.01-96-0132	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-A6	1-2.01-96-0122	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-A7	1-2.01-96-0225	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-H1	1-2.01-96-0103	VT-3/4	100	4/29/96	Acceptable by Examination
70.0	70-H2	1-2.01-96-0104	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-H23	1-2.01-96-0057	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-H24	1-2.01-96-0056	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-H25	1-2.01-96-0055	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-H3	1-2.01-96-0114	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R1-A	1-2.01-96-0159	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R1-B	1-2.01-96-0139	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R1-C	1-2.01-96-0135	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R1-D	1-2.01-96-0133	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R1-E	1-2.01-96-0151	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R10-C	1-2.01-96-0207	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-R10-D	1-2.01-96-0223	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R10-E	1-2.01-96-0195	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R12-A	1-2.01-96-0182	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R13-A	1-2.01-96-0213	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-R13-D	1-2.01-96-0216	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-R15-A	1-2.01-96-0156	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R15-B	1-2.01-96-0137	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R15-C	1-2.01-96-0136	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R17-D	1-2.01-96-0208	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-R17-G	1-2.01-96-0209	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-R17-H	1-2.01-96-0217	VT-3	100	5/1/96	Acceptable by Examination



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
70.0	70-R17-I	1-2.01-96-0194	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R17-J	1-2.01-96-0222	VT-3	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	70-R18-A	1-2.01-96-0180	VT-3	100	4/30/96	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	70-R19-C	1-2.01-96-0197	VT-3	100	4/30/96	Acceptable by Evaluation
70.0	70-R2-A	1-2.01-96-0141	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R20-D	1-2.01-96-0145	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R20-E	1-2.01-96-0227	VT-3	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	1-2.01-96-0155	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R22-D	1-2.01-96-0154	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R3-A	1-2.01-96-0152	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R4-A	1-2.01-96-0161	VT-3	100	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	1-2.01-96-0179	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R5-B	1-2.01-96-0178	VT-3	100	4/30/96	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	1-2.01-96-0173	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R5-E	1-2.01-96-0172	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R5-F	1-2.01-96-0170	VT-3	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	1-2.01-96-0168	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R5-I	1-2.01-96-0166	VT-3	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	1-2.01-96-0162	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R5-N	1-2.01-96-0153	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R5-P	1-2.01-96-0176	VT-3	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	1-2.01-96-0128	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R7-N	1-2.01-96-0197	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R7-P	1-2.01-96-0190	VT-3	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	1-2.01-96-0185	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-R8-C	1-2.01-96-0124	VT-3	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	1-2.01-96-0129	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-R9-E	1-2.01-96-0130	VT-3	100	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	70-S2	1-2.01-96-0226	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-S3	1-2.01-96-0230	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-1	1-2.01-96-0212	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-SC-10	1-2.01-96-0127	VT-3	100	4/29/96	Acceptable by Examination



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
70.0	70-SC-11	1-2.01-96-0125	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-12	1-2.01-96-0126	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-13	1-2.01-96-0143	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-14	1-2.01-96-0228	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-17	1-2.01-96-0144	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-2	1-2.01-96-0183	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-22	1-2.01-96-0192	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-23	1-2.01-96-0188	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-24	1-2.01-96-0191	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-25	1-2.01-96-0181	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-26	1-2.01-96-0193	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-3	1-2.01-96-0205	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-SC-31	1-2.01-96-0187	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SC-34	1-2.01-96-0221	VT-3/4	100	4/30/96	Acceptable by Examination
70.0	70-SC-36	1-2.01-96-0108	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-37	1-2.01-96-0105	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-38	1-2.01-96-0106	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-39	1-2.01-96-0107	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-4	1-2.01-96-0218	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-SC-41	1-2.01-96-0109	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-42	1-2.01-96-0110	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-43	1-2.01-96-0112	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SC-44	1-2.01-96-0113	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SCR-2A	1-2.01-96-0215	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-SCR-2B	1-2.01-96-0219	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-SCR-2C	1-2.01-96-0224	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SCR-2D	1-2.01-96-0186	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SCR-5A	1-2.01-96-0157	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SCR-6A	1-2.01-96-0134	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SCR-7A	1-2.01-96-0177	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SCR-7B	1-2.01-96-0171	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SCR-7C	1-2.01-96-0164	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SCR-7E	1-2.01-96-0142	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SCR-7F	1-2.01-96-0140	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SCR-7G	1-2.01-96-0138	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SCR-8A	1-2.01-96-0174	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SCR-8B	1-2.01-96-0167	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SCX-4A	1-2.01-96-0061	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SCX-4B	1-2.01-96-0102	VT-3	100	4/2/96	Acceptable by Evaluation
70.0	70-SCX-4C	1-2.01-96-0050	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SCX-4D	1-2.01-96-0062	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SCX-4E	1-2.01-96-0063	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SCX-4F	1-2.01-96-0064	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SR-22	1-2.01-96-0121	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SR-23	1-2.01-96-0229	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SR-24	1-2.01-96-0231	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SR-25	1-2.01-96-0120	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SR-26	1-2.01-96-0117	VT-3	100	4/29/96	Acceptable by Examination



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
70.0	70-SR-27	1-2.01-96-0232	VT-3	100	4/30/96	Acceptable by Examination
70.0	70-SR-28	1-2.01-96-0058	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SR-29	1-2.01-96-0059	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SR-30	1-2.01-96-0060	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-SR-31	1-2.01-96-0111	VT-3	100	4/29/96	Acceptable by Examination
70.0	70-SR-5	1-2.01-96-0203	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-SR-6	1-2.01-96-0204	VT-3	100	5/1/96	Acceptable by Examination
70.0	70-XR-6D	1-2.01-96-0051	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-XR-6E	1-2.01-96-0052	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-XR-8A	1-2.01-96-0053	VT-3	100	4/2/96	Acceptable By Examination
70.0	70-XR-8B	1-2.01-96-0054	VT-3	100	4/2/96	Acceptable By Examination
70.0	CLC MAKE UP TANK(71-126)	1-2.01-96-0115	VT-3	100	4/29/96	Acceptable by Examination
70.0	RBCLC-HX-70-13R	1-2.01-96-0150	VT-3	100	4/29/96	Acceptable by Examination
70.0	RBCLC-PUMP-70-01	1-2.01-96-0149	VT-3	100	4/29/96	Acceptable by Examination
70.0	SDC HX #11	1-2.01-96-0302	VT-3	100	6/11/96	Acceptable by Examination
72.0	72-A1	1-2.01-96-0146	VT-3	100	4/29/96	Acceptable by Examination
72.0	72-A2	1-2.01-96-0147	VT-3	100	4/29/96	Acceptable by Examination
72.0	72-A3	1-2.01-96-0148	VT-3	100	4/29/96	Acceptable by Examination
72.0	72-H126-A	1-2.01-96-0238	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-H126-B	1-2.01-96-0239	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-H128-A	1-2.01-96-0236	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-H128-B	1-2.01-96-0237	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-H13	1-2.01-96-0198	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-H15	1-2.01-96-0202	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-H28	1-2.01-96-0199	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-SC-3	1-2.01-96-0201	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-SC-44	1-2.01-96-0233	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-SC-59	1-2.01-96-0196	VT-3	100	4/30/96	Acceptable by Examination
72.0	72-SC-6	1-2.01-96-0200	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-SC-76A	1-2.01-96-0234	VT-3	100	5/1/96	Acceptable by Examination
72.0	72-SC-76B	1-2.01-96-0235	VT-3	100	5/1/96	Acceptable by Examination
72.0	E.S.W.PUMP#11(72-04)	1-2.01-96-0240	VT-3	100	5/1/96	Acceptable by Examination
79.0	6A	1-2.01-95-0282	VT-2	100	5/18/95	Acceptable by Examination
79.0	6A	1-2.01-95-0288	VT-2	100	8/29/95	Acceptable by Examination
79.0	6B	1-2.01-95-0285	VT-2	100	6/1/95	Acceptable by Examination
80.0	3C	1-2.01-95-0290	VT-2	100	10/8/95	Acceptable by Examination
80.0	3D	1-2.01-95-0290	VT-2	100	10/8/95	Acceptable by Examination
80.0	80-A13	1-2.01-96-0009	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-H23	1-2.01-96-0027	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-H27	1-2.01-96-0030	VT-3	100	4/1/96	Acceptable by Evaluation
		1-2.01-97-0006	VT-3	100	1/22/97	
80.0	80-H28	1-2.01-96-0049	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-H32	1-2.01-96-0031	VT-3	100	4/1/96	Acceptable by Evaluation
80.0	80-H33	1-2.01-96-0029	VT-3/4	100	4/1/96	Acceptable By Examination
80.0	80-H35	1-2.01-96-0005	VT-3/4	100	4/1/96	Acceptable by Evaluation
80.0	80-H37	1-2.01-96-0019	VT-3/4	100	4/1/96	Acceptable By Examination
80.0	80-H39	1-2.01-96-0020	VT-3/4	100	4/1/96	Acceptable By Examination
80.0	80-H41	1-2.01-96-0021	VT-3/4	100	4/1/96	Acceptable By Examination



Sys	Exam Item	Data Sheet Number	Exam Type	% Comp.	Exam Date	Comments
80.0	80-H62	1-2.01-96-0022	VT-3/4	100	4/1/96	Acceptable by Evaluation
80.0	80-H63	1-2.01-96-0028	VT-3/4	100	4/1/96	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	1-2.01-96-0014	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-H80	1-2.01-96-0010	VT-3/4	100	4/1/96	Acceptable By Examination
80.0	80-SC-16	1-2.01-96-0006	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-19B	1-2.01-96-0007	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-2	1-2.01-96-0025	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-42	1-2.01-96-0011	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-43	1-2.01-96-0012	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-45	1-2.01-96-0013	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-53	1-2.01-96-0023	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-65	1-2.01-96-0008	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-7B	1-2.01-96-0024	VT-3	100	4/1/96	Acceptable By Examination
80.0	80-SC-9	1-2.01-96-0016	VT-3	100	4/1/96	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.	1-2.01-96-0017	VT-3	100	4/2/96	Acceptable By Examination
80.0	X-149 PENET.	1-2.01-96-0018	VT-3	100	4/1/96	Acceptable By Examination
81.0	81-H11	1-2.01-96-0293	VT-3/4	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	1-2.01-96-0282	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-H2	1-2.01-96-0288	VT-3	100	6/3/96	Acceptable by Examination
81.0	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	1-2.01-96-0285	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-H8	1-2.01-96-0298	VT-3/4	100	6/3/96	Acceptable by Examination
81.0	81-H9	1-2.01-96-0297	VT-3/4	100	6/3/96	Acceptable by Examination
81.0	81-RSW-101	1-2.01-96-0294	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-RSW-102	1-2.01-96-0300	VT-3	100	6/4/96	Acceptable by Examination
81.0	81-SC-12	1-2.01-96-0286	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-SC-13	1-2.01-96-0291	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-SC-14	1-2.01-96-0296	VT-3	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	81-SS-1	1-2.01-96-0283	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-SS-2	1-2.01-96-0284	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-SS-20	1-2.01-96-0280	VT-3	100	6/3/96	Acceptable by Examination
81.0	81-SS-21	1-2.01-96-0281	VT-3	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
81.0	81-SS-4	1-2.01-96-0287	VT-3	100	6/3/96	Acceptable by Examination
93.0	3C	1-2.01-95-0290	VT-2	100	10/8/95	Acceptable by Examination
93.0	3D	1-2.01-95-0290	VT-2	100	10/8/95	Acceptable by Examination

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**NIS-2
DATA
REPORTS**



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 July 23, 1997
Name
- Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
- P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-04204-02
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 Main Steam (SYSTEM 01)
5. (a) Applicable Construction Code ASME III 1968 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
01-102B	DRESSER	BT-06128	N/A	CLASS 1	1978	REPLACEMENT	NO

7. Description of Work: Valve was removed for testing and failed initial test. During disassembly two studs and nuts were damaged and disc required replacing. Damaged studs, nuts and disc were replaced in accordance with an ASME section XI work plan, WO 95-04204-02, and dispositioned DER 1-97-0710.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: NI-IST-LK101
 Other Pressure 1044.6 Test Temp. 226 °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 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

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 3/19/97 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.

[Signature] Commissions NB8496 NY2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 April 17, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-03871-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Main Steam (SYSTEM 01)

5. (a) Applicable Construction Code ASME III 1968 Edition, N/A Addenda, none Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. '83 ADD.

6. Identification of Components Repaired or Replaced and Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSV-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

7. Description of Work: Removed valves PSV-01-119A,B,C,D,F for testing and replaced with a spare valve per WO 95-03871-00 and ASME section XI work plan.

8. Tests Conducted: Leakage

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-LK101

Other Pressure 1044.6 Test Temp. 226 °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.

(Applicable Manufacturer's Data Reports to be attached)

9. Remarks: This replacement was not the result of an inservice failure. Replaced serial number BK 6535 with BK 6280 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed Del G Suber for S. DDTY 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 6/24/96 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.

Lynn D. Anderson Commissions NB8496 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. Owner Niagara Mohawk Power Corporation Date April 17, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-03871-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Main Steam (SYSTEM 01)

5. (a) Applicable Construction Code ASME III 1968 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSV-01-119G	Dresser	BK 6256	N/A	Class 1	1969	Replaced	No
PSV-01-119H	Dresser	BK 6521	N/A	Class 1	1969	Replaced	No
PSV-01-119J	Dresser	BK 6319	N/A	Class 1	1969	Replaced	No
PSV-01-119M	Dresser	BK 6522	N/A	Class 1	1969	Replaced	No

7. Description of Work: Removed valves PSV-01-119G,H,I,M for testing and replaced with a spare valve per WO 95-03781-00 and ASME section XI work plan.

8. Tests Conducted: leakage
 Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-JST-LK101
 Other Pressure 1044.6 Test Temp. 226 °F

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.

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

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 6521 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

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 Dilb Sulu Fee S. Ooty, 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 6/24/96 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.

James O. Anderson Commissions NB8496 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. Owner Niagara Mohawk Power Corporation Date MARCH 26, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-00931-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM (SYSTEM 01)
 5. (a) Applicable Construction Code ASME I 1965 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
System 01	M.W. KELLOGG	N/A	N/A	CLASS 1	1969	REPAIR	No

7. Description of Work: Removed arc strikes and tack welds on welds 01-WD-015A, 01-WD-016A, 01-WD-017A, 01-WD-046A, 01-WD-047A in accordance with ASME work plan, W.O. 97-00931-00 and DER 1-97-0731.

8. Tests Conducted:
 Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-LK-101
 Other Pressure _____ Test Temp. _____ °F

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.

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

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 repair 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 [Signature] Plant Manager Date 7.22, 19 97
Owner or Designer'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.

[Signature] 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 APRIL 17, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 GENE WO Nos. 95-04158-02 thru 95-04158-09 (PO 15247)
Address

3. Work Performed By General Electric Nuclear Energy Repair Organization P.O. No., Job No., etc.
Name Type Code Symbol Stamp N/A

175 Curtner Ave., San Jose, CA 95125 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Reactor Core Support Structures (Shroud Stabilizers)

5. (a) Applicable Construction Code See Below 19 Edition, Addenda, Code Case

The shroud stabilizers are classified as ASME Code Class B-N-2 components (core structural support). Material properties for the replacement stabilizer (tie rod) components was in accordance with ASME III, Appendices; 1989 Edition and the nomenclature for stress intensity used was the same as that used in ASME III Subsection NB, 1986 Edition and ASME III, Subsection NG, 1983 Edition with Addenda through Summer 1984.

(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

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, or Replacement	ASME Code Stamped. (Yes or No)
TIEROD-RXVE-90	GENE	N/A	N/A	Class 1 Lower Support Latch, Bottom Spring Spacer, Mid-Support	1995	Replacement	No
TIEROD-RXVE-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 1 Lower Support Latch, Bottom Spring Spacer, Mid-Support	1995	Replacement	No

7. Description of Work: Replaced the shroud tie rod assembly (excluding the upper support, upper spring and lower support assembly) at the 270° azimuth. Replaced the original lower support latches with a new improved designed lower support latch on all four tie rods. Replaced the mid-supports on all four tie rods. Added bottom spring spacers to the tie rods at the 90°, 166° and 350°. All work was completed in accordance with ASME work plans. Work Orders 95-04158-02 thru 95-04158-09. GENE Installation/Traveler Nos. NM-SHD-002, NM-SHD-003, NMPI-SSM-TR, NMPI-SSM-BSS, NMPI-SSM-TL, DDC's 1M00101B, 1M00102B, 1M00392 and DERs 1-96-0746, 1-95-1943, 1-95-1944, 1-97-759, 1-97-801, 1-97-1050, 1-97-1106, 1-97-1051, 1-97-1199, 1-97-836.

8. Tests Conducted: N/A. No pressure tests were required.

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 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.

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

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 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 [Signature] Plant Manager Date 7-23, 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 2/14/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date APRIL 17, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-04158-12
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
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL (RXVE)

5. (a) Applicable Construction Code see below Edition, Addenda, Code Case
ASME Section I, 1962 Edition and ASME Code Cases 1270N, 1272N, 1273N, and 1275N, ASME Section VIII, 1962
Edition. (Applied to Reactor Vessel, Shroud was non-code for fabrication/installation)

(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

NO. OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
1	General Electric	N/A	N/A	CLASS 1	1969	REPAIRED	No

7. Description of Work: Removed boat sample from weld V9 for metallurgical evaluation in accordance with ASME work plan, W.O. 95-04158-12. GENE procedure NMP-BOT-002, GENE Traveler No. NMPI-BOTID-TR and DDC-IM00394.

8. Tests Conducted: N/A. No pressure test required.

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: _____

Other Pressure _____ Test Temp. _____ °F

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.

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

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 repair 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 Samuel J. Must 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 4/13/97 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.

Samuel J. Must Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date APRIL 17, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-04158-11
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
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL (RXVE)

5. (a) Applicable Construction Code see below Edition, _____ Addenda, _____ Code Case
ASME Section I, 1962 Edition and ASME Code Cases 1270N, 1272N, 1273N, and 1275N, ASME Section VIII, 1962
Edition. (Applied to Reactor Vessel, Shroud was non-code for fabrication/installation)

(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

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)
Core Shroud	General Electric	N/A	N/A	CLASS 1	1969	REPAIRED	No

7. Description of Work: Removed boat sample from weld V10 for metallurgical evaluation in accordance with ASME work plan. W.O. 95-04158-11. GENE procedure NMP-BOT-001. GENE Traveler No. NMPI-BOT-TR and DDC-1M00391.

8. Tests Conducted: N/A. No pressure test required.

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: _____

Other Pressure _____ Test Temp. _____ °F

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.

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

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 repair 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 Steve J. Mant Manager 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 4/12/97 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 W Anderson 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 April 2, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-04151-04
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
Address Expiration Date N/A

4. Identification of System FW/HPCI FEEDWATER/HPCI
5. (a) Applicable Construction Code ASME III 1980 Edition, S '82 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. '83 ADD.

6. Identification of Components Repaired or Replaced and Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CKV-31-01R	Anchor Darling	E6619-1-1	N/A	CLASS 1	1986	REPLACEMENT	NO

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: NI-JST-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 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.

FORM NIS-2 (Back)
(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 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. G. Lelan For S. DORNY, Manager Maintenance - 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 7/14/97 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.

Lynn O Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 April 2, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-04151-02
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
Address Expiration Date N/A

4. Identification of System FEEDWATER / HPCI (SYSTEM 31)
5. (a) Applicable Construction Code ASME III 1980 Edition, 82 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

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)
CRV-31-01R	ANCHOR DARLING	E6619-1-1	N/A	VALVE CLASS 1	1986	REPLACEMENT	NO

7. Description of Work: Replaced valve disc, hinge pins, and bonnet nuts in accordance with ASME work plan, W.O. 95-04151-02, DDC 1M00134 and procedure N1-MPM-GEN-242.

8. Tests Conducted:
Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-LK-101
Other Pressure 1044.6 PSIG Test Temp. 226 °F

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.

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

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

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 G. P. For S. Ooty Maint. MGR. Unit-1 Date 7/31, 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 2/27/97 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.

Lynn W. Anderson Commissions NB 8996 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/31, 19 97

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 April 2, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-04151-05
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 FW/HPCI FEEDWATER/HPCI
 5. (a) Applicable Construction Code ASME III 1980 Edition, S '82 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CKV-31-02R	Anchor Darling	E6619-1-2	N/A	CLASS 1	1986	REPLACEMENT	NO

7. Description of Work Replace 1 ea. stud as part of preventive maintenance. Replaced 1 ea. stud per ASME Work Plan in Work Order 95-04151-05 at CKV-31-02R.

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 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 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed Del G. Siler for S. DOSTY, MGR 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 NEW YORK and employed by ARKWRIGHT of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 7/16/97 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.

Lynn W Anderson Commissions NB 8446 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 April 2, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-04151-03
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 FEEDWATER / HPCI (SYSTEM 31)

5. (a) Applicable Construction Code ASME III 1980 Edition, 82 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CKV-31-02R	ANCHOR DARLING	E6619-1-2	N/A	VALVE CLASS 1	1986	REPLACEMENT	NO

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:

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

Other Pressure 1044.6 PSIG Test Temp. 226 °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 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 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 Al G. Sale FR. S. WY Maint. MGR. Unit-1 Date 7/31, 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 2/27/97 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.

Lynn D. Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/31, 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 April 15, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-01164-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System FEEDWATER / HPCI (SYSTEM 31)

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

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)
31-HS-02	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 1	1969	REPLACEMENT	NO

7. Description of Work: Rebuilt hydraulic snubber using replacement parts in accordance with ASME work plan, work order W.O. 97-01164-00 and procedure NI-MSP-GEN-352.

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 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.

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 connecting tube and rebuilt reservoir. Connecting tube P.O. No. 33487. Performed VT-3/4 to reestablish baseline after 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 *Munt Meyer* 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 7/31/97 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.

Lynn Oardison Commissions NIB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date March 19, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02452-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION (SYSTEM 32)

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 1983, Sum. '83 ADD.

6. Identification of Components Repaired or Replaced and Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
1-H6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO

7. Description of Work: Replaced load pin, rod, nuts, plate, clevis and load flange. Removed welds from parts that were not required to be welded. Work was completed in accordance with ASME work plan, W.O. 96-02452-00, DDC 1S00130A, DDC 1S00032B and DER's 1-96-0863, 1-96-0865 and 1-97-0641.

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 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.

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/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 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 Steve JSA 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 2/22/97 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.

Lynn W Anderson 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 March 19, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02452-01
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 REACTOR RECIRCULATION (SYSTEM 32)
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

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)
J2-12-H6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO

7. Description of Work: Replaced load pin, rosl. nuts, plate, clevis and load flange. Removed welds from parts that were not required to be welded. Work was completed in accordance with ASME work plan, W.O. 96-02452-01, DDC 1S00130A, DDC 1S00032B and DER's 1-96-0863, 1-96-0865 and 1-97-0639.

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 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.

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/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.

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: [Signature] Plant 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 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.

[Signature] 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 March 19, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-00853-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION (SYSTEM 32)

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

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)
H6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO

7. Description of Work: Replaced threaded rod and nuts. Work was completed in accordance with ASME work plan. W.O. 97-00853-00, DDC 1S00130A, DER's 1-96-0863, 1-96-0865 and 1-97-0643.

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 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.

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 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 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 [Signature] Plant Manager Date 7-21, 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 7/11/97 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.

[Signature] 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 March 19, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02452-02
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
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION (SYSTEM 32)

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

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)
4-H6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO

7. Description of Work: Replaced load pin, nuts, plate and load flange. Removed welds from parts that were not required to be welded. Work was completed in accordance with ASME work plan, W.O. 96-02452-02, DDC 1S00130A, DDC 1S00032B and DER's 1-96-0863, 1-96-0865 and 1-97-0642.

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.

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. 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 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 [Signature] Plant 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 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.

[Signature] Commissions NB 8496 NY2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date March 19, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02452-03
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
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION (SYSTEM 32)

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

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)
SZ-15-H6	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO

7. Description of Work: Replaced load pin, nuts, clevis, load flange and plate. Removed welds from parts that were not required to be welded. Work was completed in accordance with ASME work plan, W.O. 96-02452-03, DDC 1S00130A, DDC 1S00032B and DER's 1-96-0863, 1-96-0865 and 1-97-0640.

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.

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 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 [Signature] Plant 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 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date MARCH 28, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-00946-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP (SYSTEM 33)

5. (a) Applicable Construction Code ASME III 1980 Edition, W.81 Addenda, none Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. '83 ADD.

6. Identification of Components Repaired or Replaced and Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
IV-33-02R	ANCHOR/DARLING	E31371-1-2	N/A	CLASS 1	1984	REPLACEMENT	No

7. Description of Work: Disassembled valve due to failure of LLRT. Installed new discs in accordance with ASME work plan and W.O. 97-00946-00.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-LK101

Other Pressure 1044.6 Test Temp. 226 °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 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No. None Expiration Date None

Signed [Signature] Plant Manager 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 3/19/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date 3/24/95
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 1309 Raytheon Wo# 94-01952-04 & 05
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Raytheon Engineer and Construction 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 System 33 (RX CLN-UP)

5. (a) Applicable Construction Code ASA B31.1 1955 Edition, None Addenda, None Code Case None
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, S83

6. Identification of Components Repaired or Replaced and Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped - (Yes or No)
33 RX.CLN-UP	H.W.Kellogg	N/A	N/A	Class 1 Piping System	1969	Repaired	N/A

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

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: _____
 Other Pressure _____ Test Temp. _____°F

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.

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

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.

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 Rita Massafra for J.C. Aldrich, Unit Maintenance Mgr Date July 25, 19 96
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of NEW YORK and employed by ARKWRIGHT MUTUAL of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/3/95 to 7/25/96, 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. Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/25, 19 96

(12/82)

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

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 APRIL 2, 1997
Name
- Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
- P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-01028-02
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 Rx WATER CLEAN-UP (SYSTEM 33)
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

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)
33-A3	M.W. KELLOGG	NA	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	No

7. Description of Work Fabricated and installed 2 new angle iron supports which includes u-bolts. Supports were welded to existing house steel. Work was completed in accordance with ASME work plan, W.O. 97-01028-02, DDC 1S00159A and DER 1-97-0741 disposition.

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 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.

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

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 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 [Signature] Plant Manager 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 3/29/97 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.

[Signature] Commissions NB 8486 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date March 28, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-01100-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Rx WATER CLEAN-UP (SYSTEM 33)

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

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)
33-H1	M.W. KELLOGG	N/A	N/A	CLASS 1 Section of System	1969	REPAIR	No

7. Description of Work Repaired indications in weld area by removal of metal per ASME Work Plan and Work Order No. 97-01100-00.

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 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.

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

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 repair 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 [Signature] 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 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.

[Signature] Commissions NB8496 NX 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date March 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03854-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes, or No)
CRD 34-31	General Electric	A5517	N/A	NC02 CLASS 1	1982	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-03854-00 at core location 34-31.

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 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. 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 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 [Signature] Per S. DOTT Maint. MGR. Unit-1 Date 7/31, 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 2/13/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/31, 19 97

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 April 29, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-01309-04
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 REACTOR MISCELLANEOUS CONNECTIONS, REACTOR VENT & DRAINS TO LAST ISOLATION VALVE (SYSTEM No. 37)

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

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)
37-WD-002-FB	General Electric	N/A	N/A	NR02 CLASS 1	1969	REPLACEMENT	Yes

7. Description of Work Replace bolting (studs and nuts) as part of preventive maintenance. Replaced bolting per ASME Work Plan in Work Order 95-01309-04 on the head vent line on the reactor head.

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 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. 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.

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 D. G. Sullivan For S. D. O'RY, MANAGER MAINTENANCE - 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 4/24/97 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.

Lynn D. Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 28, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-00609-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Shutdown Cooling & Head Sply. (SYSTEM 38)

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

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)
38-HS-02	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 1	1969	REPLACEMENT	No

7. Description of Work: Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plan, Work Order No. 96-00609-00 and Procedure No. NI-MMP-GEN-350.

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.

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

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.

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 [Signature] Date 7-21, 19 97
Owner or Owner's Designee, Title Maint. Manager

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 3/13/97 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.

[Signature] Commissions ND 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date MARCH 27, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-00773-02
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 EMERGENCY CONDENSER (SYSTEM 39)
 5. (a) Applicable Construction Code ASME III 1986 Edition, N/A Addenda, none Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Sum. '83 ADD.
 6. Identification of Components Repaired or Replaced and Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CKV-39-03	ATTWOOD MORRILL	1-16358-03	N/A	CLASS 1	1984	REPLACEMENT	No

7. Description of Work: Disassembled valve due to failure of LLRT. Installed new 12 new studs and 16 new nuts in accordance with ASME work plan, and W.O. 97-00773-02.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-LK101

Other Pressure 1044.6 PSIG Test Temp. 226 °F

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.

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 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 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 [Signature] [Signature] Plant Manager Date 7.22, 19 99
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 3/19/97 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.

[Signature] 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 MARCH 27, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-00772-02
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
Address Expiration Date N/A

4. Identification of System EMERGENCY CONDENSER (SYSTEM 39)
5. (a) Applicable Construction Code ASME III 1986 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CKV-39-04	ATTWOOD MORRILL	2-16358-03	N/A	CLASS 1	1984	REPLACEMENT	No

7. Description of Work: Disassembled valve due to failure of LLRT. Performed weld buildup on disk stop in accordance with ASME work plan, W.O. 97-00772-02 and DDC-1M00353.

8. Tests Conducted:
Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-LK101
Other Pressure 1044.6 PSIG Test Temp. 226 °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 HIS-2 (Back)
(Applicable Manufacturer's Data Reports to be attached)

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).

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 G. Allen For S. DOTY, MGR 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 3/20/97 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.

Lynn D Anderson 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. Owner Niagara Mohawk Power Corporation Date APRIL 29, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-01520-01
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
Address Expiration Date N/A

4. Identification of System CORE SPRAY (SYSTEM 40)

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

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)
CLASS 1	M.W KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 1	1969	REPLACEMENT	NO

7. Description of Work: Drilled weep holes in accordance with ASME work plan, W.O. 97-01520-01, DDC 1S00185 and DER 1-97-1141

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 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.

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

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] Plant Manager Date 7-22, 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 4/24/97 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.

[Signature] 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 February 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 P.O. No. 15404
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
Address Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE MECHANISM (CRDM)

5. (a) Applicable Construction Code ASME SECT VIII, Div. 1 1962 Edition, Winter '63 Addenda, 1270-N 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

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)
NC02	GENERAL ELECTRIC	71-341	N/A	CRDM Class 1	1967	REPLACEMENT	Yes

7. Description of Work Replace CRDM cylinder tube and flange assembly and one (1) ring flange capscrew during performance of CRDM rebuilding. Work performed per ASME Work Plan and General Electric Traveler CRD-01.

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 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.

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

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.

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 *Steve Z...* Maint Manager Date 7-22, 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 10/16/95 to 7/24/97, 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 D. Ardison Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/24, 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 February 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 P.O. No. 15404
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
Address Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE MECHANISM (CRDM)

5. (a) Applicable Construction Code ASME SECT VIII, Div. 1 1962 Edition, Winter '63 Addenda, 1270-N 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

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)
NC02	GENERAL ELECTRIC	71-494	N/A	CRDM Class 1	1967	REPLACEMENT	Yes

7. Description of Work Replace CRDM cylinder tube and flange assembly during performance of CRDM rebuilding. Work performed per ASME Work Plan and General Electric Traveler CRD-01.

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 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.

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

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 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 [Signature] Maint Manager Date 7-23, 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 10/16/95 to 7/24/97, 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/24, 19 97

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 February 20, 1997
Name
- Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
- P.O. Box 63 Lycoming, New York 13093 P.O. No. 15404
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 CONTROL ROD DRIVE MECHANISM (CRDM)
5. (a) Applicable Construction Code ASME SECT VIII, Div. 1 1962 Edition, Winter '63 Addenda, 1270-N 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

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)
WNC02	GENERAL ELECTRIC	71-614	N/A	CRDM Class 1	1967	REPLACEMENT	Yes

7. Description of Work Replace CRDM cylinder tube and flange assembly during performance of CRDM rebuilding. Work performed per ASME Work Plan and General Electric Traveler CRD-01.

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 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.

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

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.

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 [Signature] Plant Manager Date 7-23, 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 10/16/95 to 7/24/97, 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.

[Signature] Commissions NB8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/24, 19 97

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 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04364-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 02-27	General Electric	71-625	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04364-00 at core location 02-27.

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 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. 71-625 replaced by serial no. A4365. 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

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 11/15/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

FORM 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) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.

(b) Manufactured for General Electric Company, San Jose, Cal. (NEBC)

(c) Identification Certificate Holder's Serial No. A4365

(a) Constructed According to Drawing No. 761E387C008 Drawing Prepared by D. L. Peterson

(b) Description of Part Inspected Control Rod Drive Model #7RDB144CG005

(c) Applicable ASME Code Section III, Edition 1971 Article H72 Case No. 1361-2 Class 1

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

Total number of sheets 2

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 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 included in the component Design Specification and Stress Report.)

Date 6/16/82 Signed GE, NEBC, RD-0A By J. Struening (NPT Certificate Holder)

Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (When applicable)

Design information on file GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Stress analysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Design specifications certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

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 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

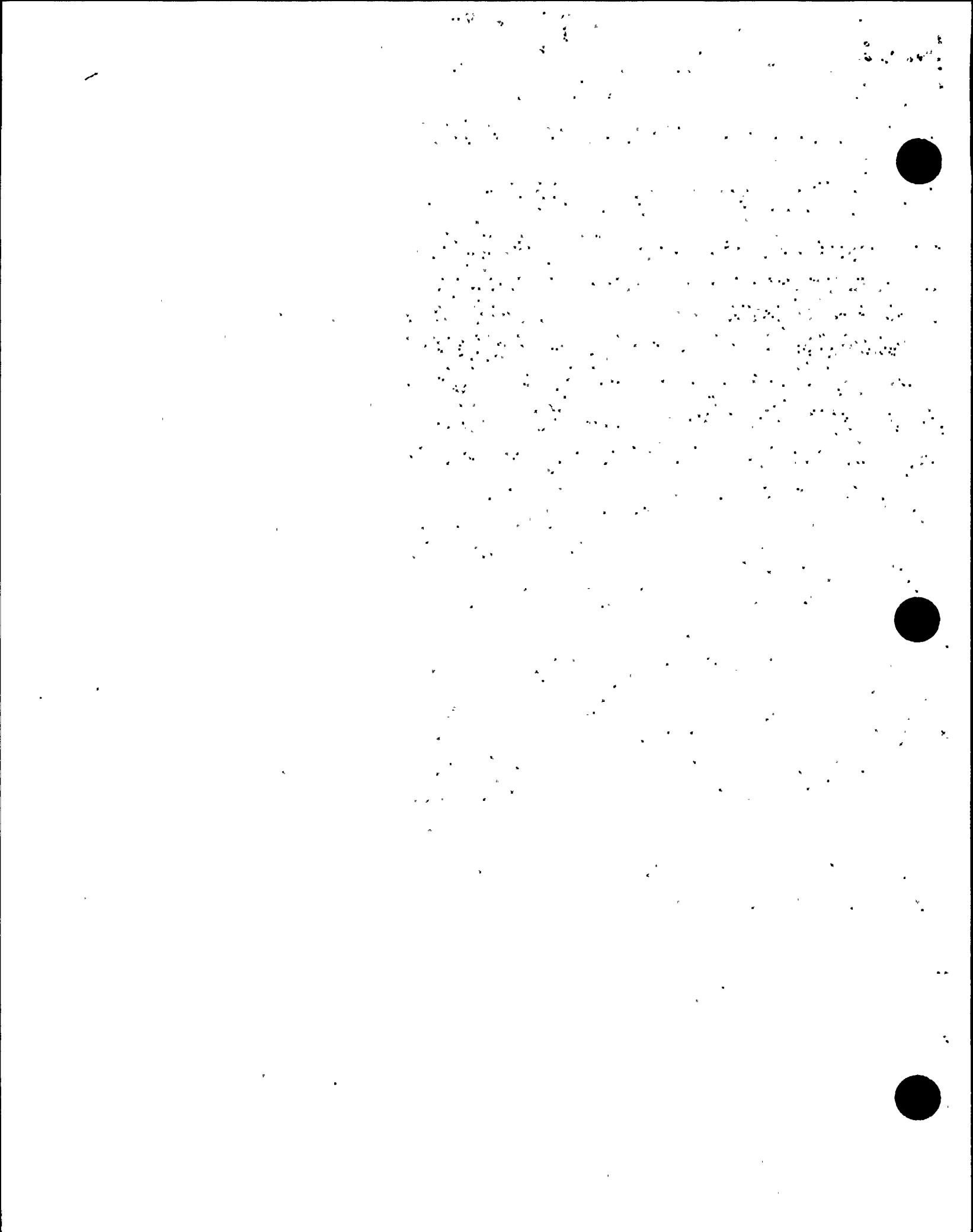
Partial Data Report of 6/16 1982 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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, 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 6/16 1982 Inspector's Signature E. P. Sherrill Commissions N.C. 723 PAWC1766, OHIO National Board, State, Province and No.

"SUPPLEMENTAL"

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in PW's 11", (2) information in items 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is provided to item 2, "Remarks".



FORM N-2 (Rev. 1-15-53)

Items 4-6 incl. to be completed for shell and heads of vessels (horizontal or vertical) and for jackets of horizontal vessels.

4. Shell: Material T.S. Nominal Thickness 1.5 in. Allowance 0.125 in. Dia. 36 in. Length 100 ft.

5. Seams: Longitudinal J. Efficiency 95% Girth 36 in.

6. Heads: (a) Material T.S. Location (Top, bottom, ends) Thickness 1.5 in. Crown Radius 36 in. Elliptical Ratio 1.0. Conical Apex Angle 90 degrees. Hemispherical Radius 36 in. Flat Diameter 36 in. Side to Profile (Conv. of Cone).

(b) Channel (c) Other fastening (d) Drop Weight

7. Jacket: Class 150 psi

8. Design pressure 150 psi at temp. of 100 F.

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary Material T.S. Dia. 36 in. Thickness 0.5 in. Attachment (Welded, Bolted)

10. Tubes: Material T.S. Dia. 1.5 in. Thickness 0.125 in. Attachment (Welded, Bolted)

Items 11-14 incl. to be completed for inner chambers of jackets of horizontal vessels.

11. Shell: Material T.S. Nominal Thickness 1.5 in. Allowance 0.125 in. Dia. 36 in. Length 100 ft.

12. Seams: Longitudinal J. Efficiency 95% Girth 36 in.

13. Heads: (a) Material T.S. Location (Top, bottom, ends) Thickness 1.5 in. Crown Radius 36 in. Elliptical Ratio 1.0. Conical Apex Angle 90 degrees. Hemispherical Radius 36 in. Flat Diameter 36 in. Side to Profile (Conv. of Cone).

(b) Channel (c) Other fastening (d) Drop Weight

14. Supports: Skirt Legs Other Attached

Items below to be completed for all vessels where applicable.

15. Safety Valve: Outlet No. 1 Location

16. Inspection Hatches: No. 1 Size Location

17. Inspection Openings: No. 1 Size Location

18. Supports: Skirt Legs Other Attached

19. If Postweld Heat-Treated: (Temperature when applicable)

20. If Postweld Heat-Treated: (Temperature when applicable)

21. If Postweld Heat-Treated: (Temperature when applicable)

22. If Postweld Heat-Treated: (Temperature when applicable)

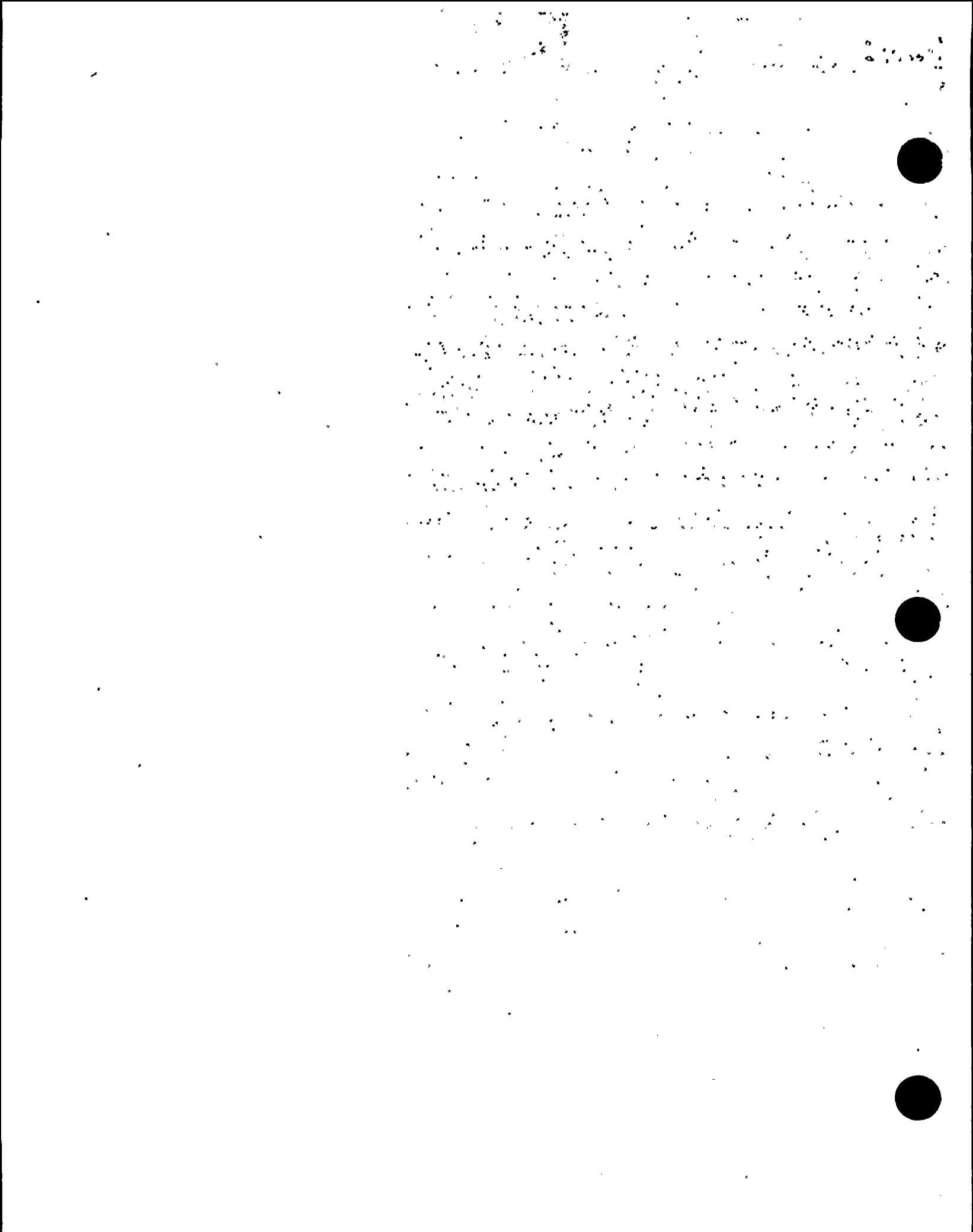
23. If Postweld Heat-Treated: (Temperature when applicable)

24. If Postweld Heat-Treated: (Temperature when applicable)

25. If Postweld Heat-Treated: (Temperature when applicable)

26. If Postweld Heat-Treated: (Temperature when applicable)

27. If Postweld Heat-Treated: (Temperature when applicable)

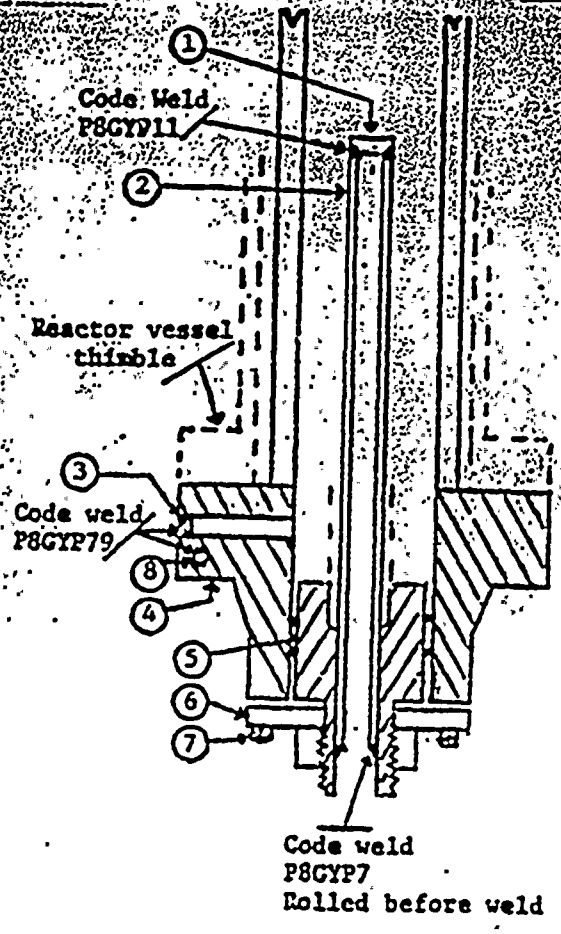


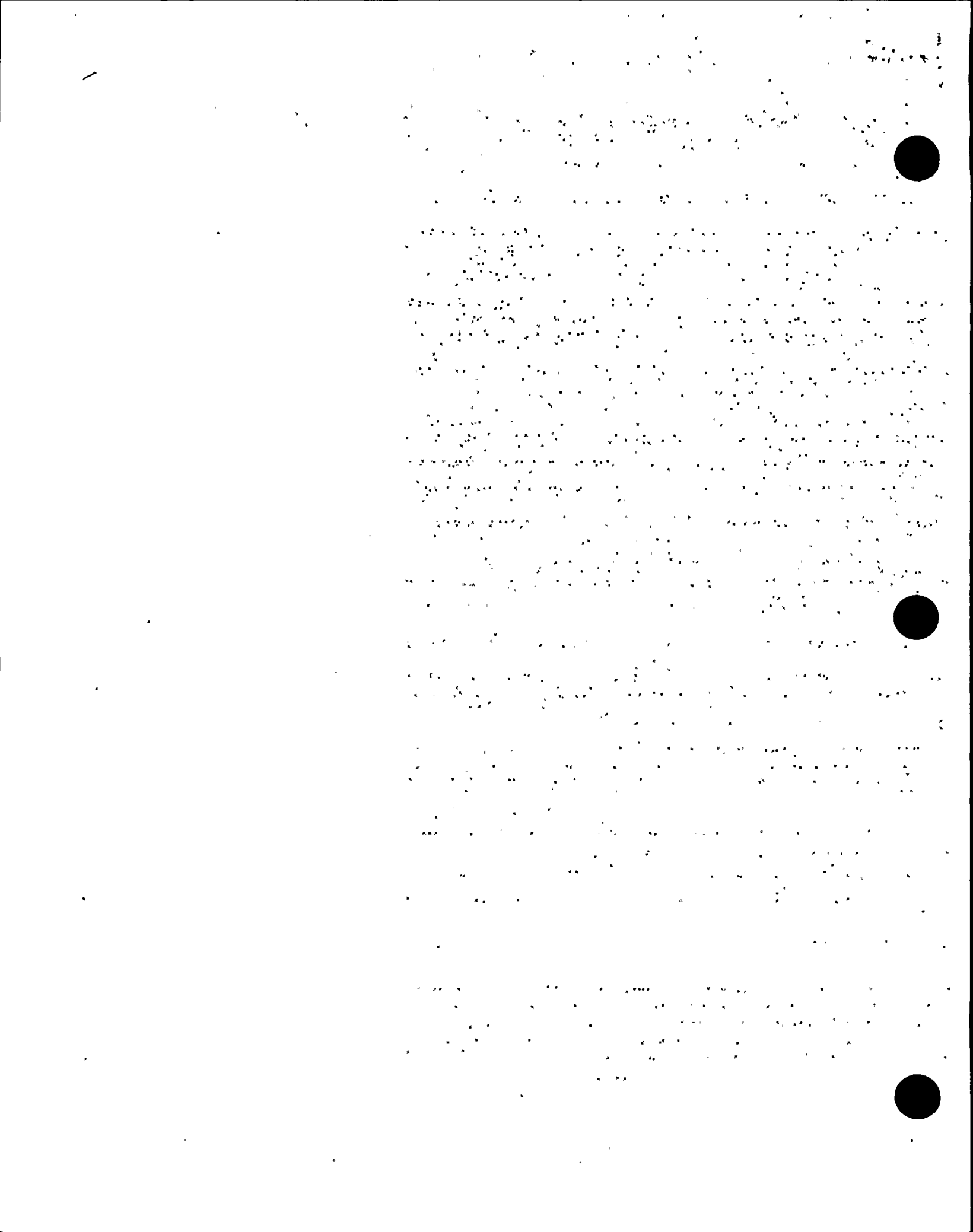
FORM N-3 NPT CERTIFICATE HOLDER'S DATA REPORT FOR NUCLEAR PART AND APPURTENANCES
As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder)
- (b) Manufactured for General Electric Co., San Jose, Ca., (NEBG)
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification Certificate Holder's Serial No. of Part 2A4365 Part Id. No. _____
- (a) Constructed According to Drawing No. 761R387008 Drawing Prepared by D. L. Paterson
- (b) Description of Part Inspected Control Rod Drive, Model, 7RDB144CG005
- (c) Applicable ASME Code Section III, Edition 1971 Addenda date W'72 Case No. 1361-2 Class 1
3. Remarks: Standard part for use with Reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

2
8
6
3
6
LD
0

1. Cap 167A2343P1
(167A2343)
SA182-F304
3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P03
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
4. Flange 919D610P1 (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-B6
6 ea. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
SA182-F304
0.38 thick x 1.307 dia.





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 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04365-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 02-31	General Electric	71-556	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and (2 ea.) flange capscrews per ASME Work Plan in Work Order 96-04365-00 at core location 02-31.

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 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.

FORM NIS-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. 1-2.01-97-0091 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

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 G. Suler, Sr. SOFTY, MANAGER 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 11/15/96 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.

John W. Carlson Commissions NOB 496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

PARTIAL NPT CERTIFICATE HOLDER'S DATA REPORT FOR NUCLEAR PART AND APPURTENANCE

Approved by the Provisional ASME Code Rules Section III, Division 1, Class 2, Subclass B, for use in the design of nuclear parts and appurtenances.

1. (a) Manufactured by General Electric Company, Cassin/HAYMA-RIE, Wilmington, N.C.
(b) Manufactured for General Electric Company, San Jose, Ca., (NEEG)
2. Manufacturer's Serial No. of Part A6755 Part No. _____
(a) Constructed According to Drawing No. 781E387G008 Drawing Prepared by D. L. FERGUSON
(b) Description of Part Inspected Control Rod Drive Model #7RDB144CG005
(c) Applicable ASME Code Section III, Edition 1971 Addenda 1-72 Class B361-2

3. Remarks Standard part for use with Reactor Hydrostatically tested at 1820 psi
(Brief description of service for which component was designed)

* Total number of sheets - 2

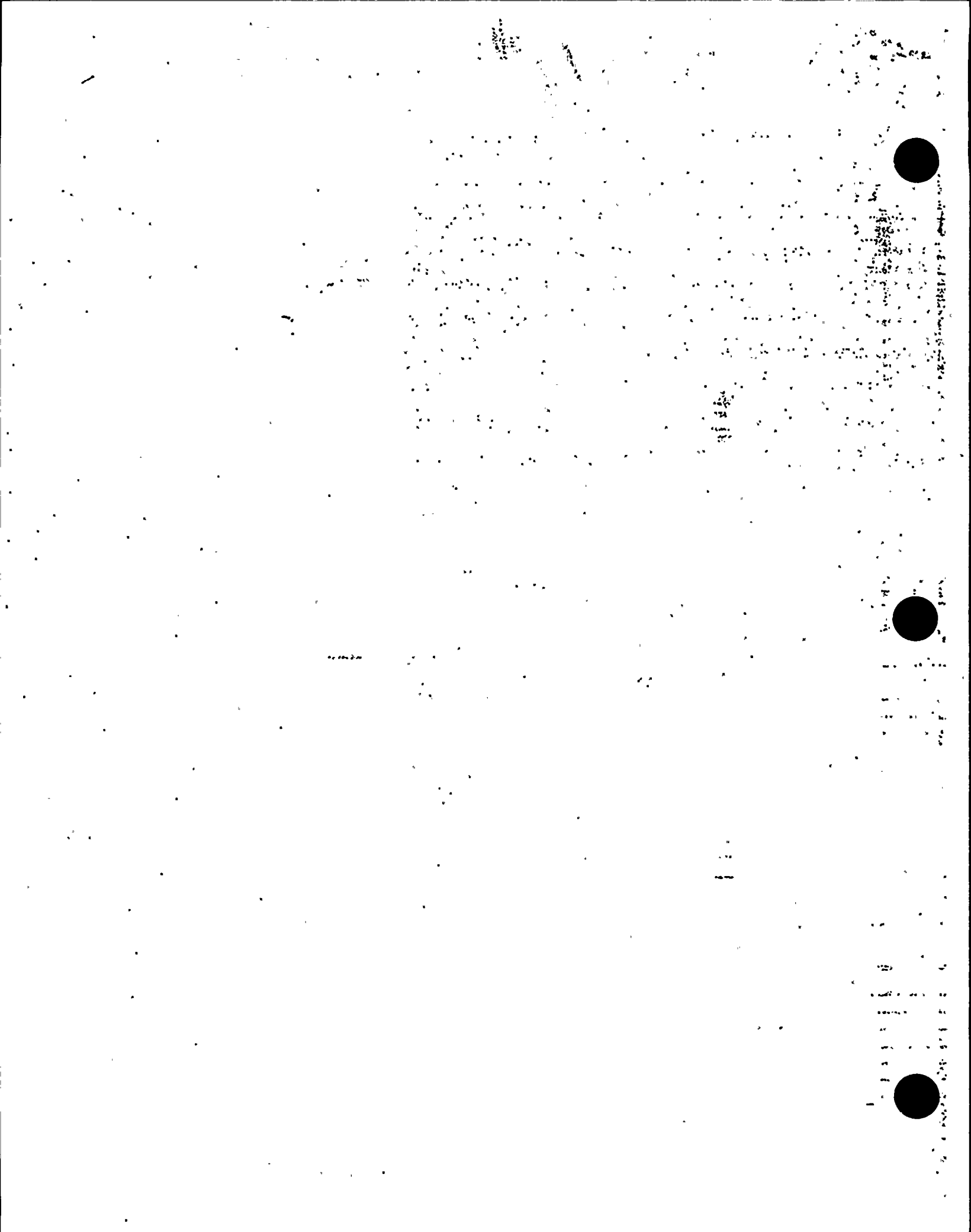
We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.

Date 7/13 19 82 Signed GB, NEED-120-QA By [Signature]
Certificate of Authorization Expires June 16, 1984 NPT-N-11512

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)
Design information on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
Stress analysis report on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
Design specifications certified by B. N. Sridhar Prof. Eng. State Calif. Reg. No. 18345
Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

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 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 7/13 19 82 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, 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 7/13 19 82
Inspector's Signature [Signature] Commissions N.C. 723.PA.WC1766, OHIO National Board, State, Province and No. OHIO

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 9" x 11", (2) information in items 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is returned to item 2, "Remarks".
(10/77) This form (E00040) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



Items 1-6 to be completed for all vessels where applicable.

6. Shell: Material T.S. Thickness 1/2 in. Allowance 1/8 in. Dia. 12 in. Height 12 in.

Seams: Long H.T. Efficiency 75

7. Heads: (a) Material T.S. (b) Material T.S.

Location Top Thickness 1/2 Crown Radius None Knuckle Radius None Conical None Hemispherical None Flat None Side to Press. Diameter None (Conv. or Conc.)

(a) Top, bottom, ends (b) Channel

If removable, bolts used (a) None (b) None (c) None Other fastening None

Design pressure 1250 psi at 575 °F

Items 9 and 10 to be completed for tube sections.

9. Tube Sheet: Sectionary Material T.S. Dia. 1 1/2 in. Thickness 1/8 in. Attachment Welded

10. Floating Head Material T.S. Dia. 1 1/2 in. Thickness 1/8 in.

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell Material: T.S. Normal Thickness 1/2 in. Corrosion Allowance 1/8 in. Dia. 12 in. Length 12 ft.

12. Seams: Long H.T. R.T. Efficiency 75

13. Heads: (a) Material T.S. (b) Material T.S.

Location Top Thickness 1/2 Crown Radius None Knuckle Radius None Conical None Hemispherical None Flat None Side to Press. Diameter None (Conv. or Conc.)

(a) Top, bottom, ends (b) Channel

If removable, bolts used (a) None (b) None (c) None Other fastening None

Design pressure 1250 psi at 575 °F

Items below to be completed for all vessels where applicable.

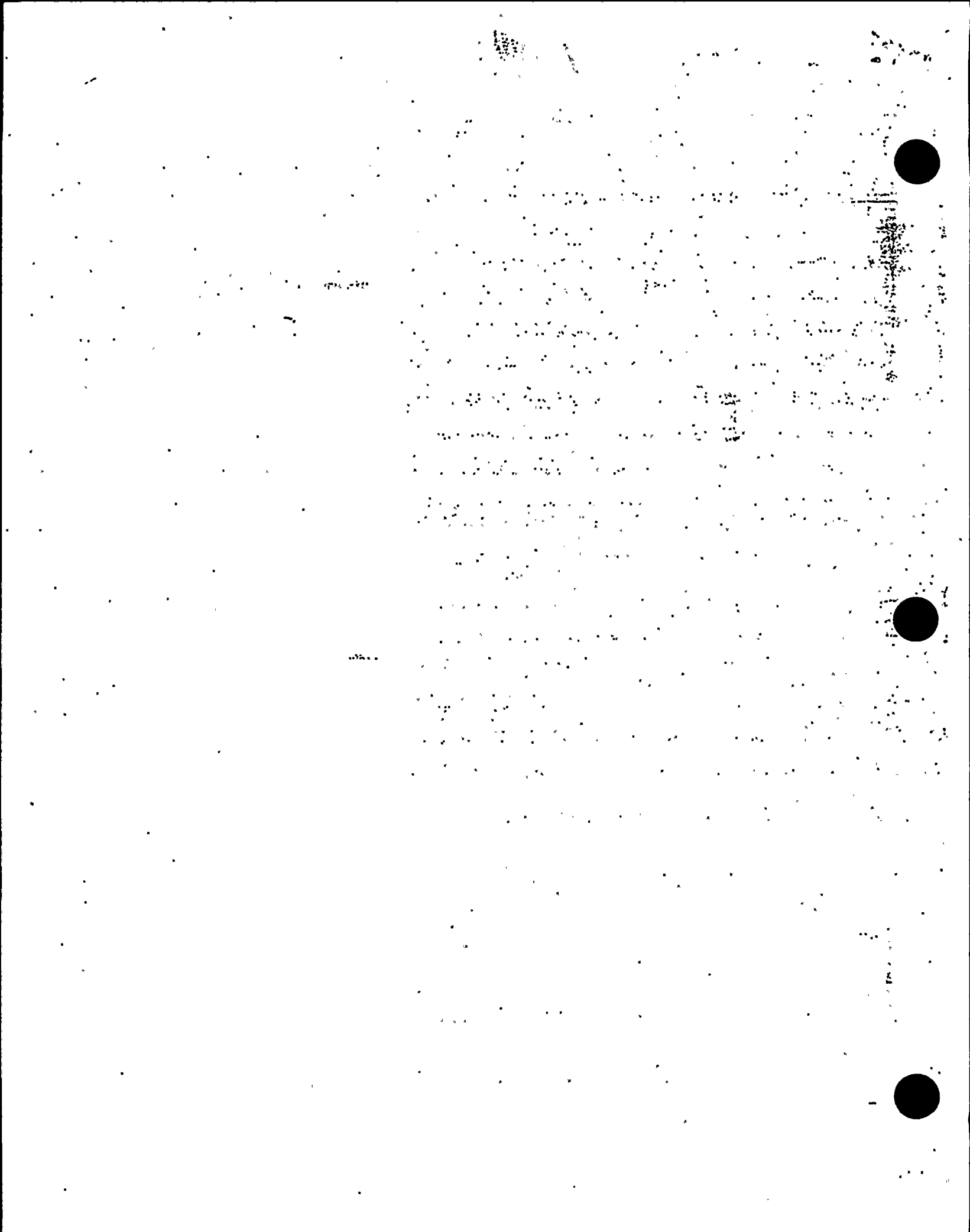
15. Safety Valve Outlets: Number None Size None Location None

16. Nozzles:

17. Inspection Manholes, No. None Size None Location None

18. Supports: Skirt None Lugs None Legs None Other None Attached None

1. If Poorwill Heat-Treated. 2. List other internal or external pressure with coincident temperature when applicable.



(a) Manufacturer: General Electric Co., Erie, Pa.

(b) Manufacturer: General Electric Co., Erie, Pa. (URC)

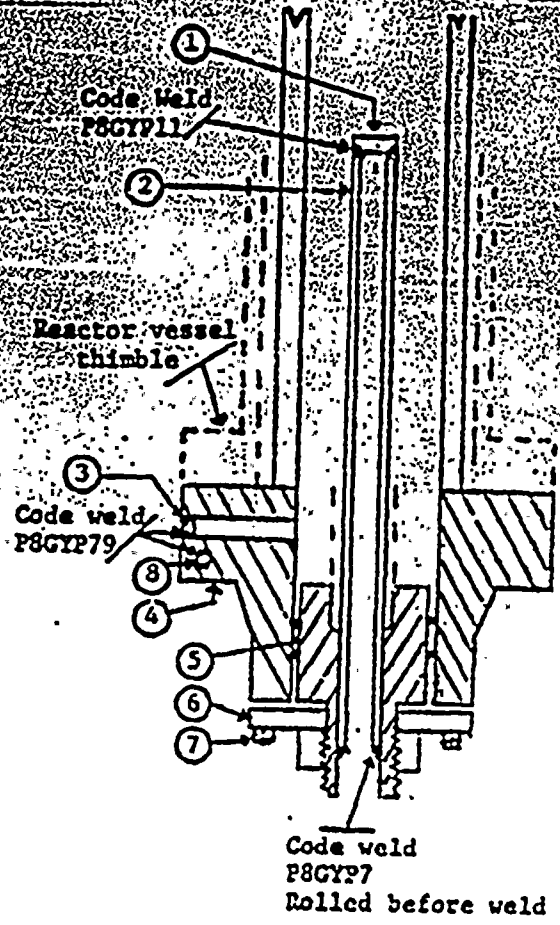
(c) Contract Account: W-51-387-008 Drawing Prepared by: Dr. L. Peterson

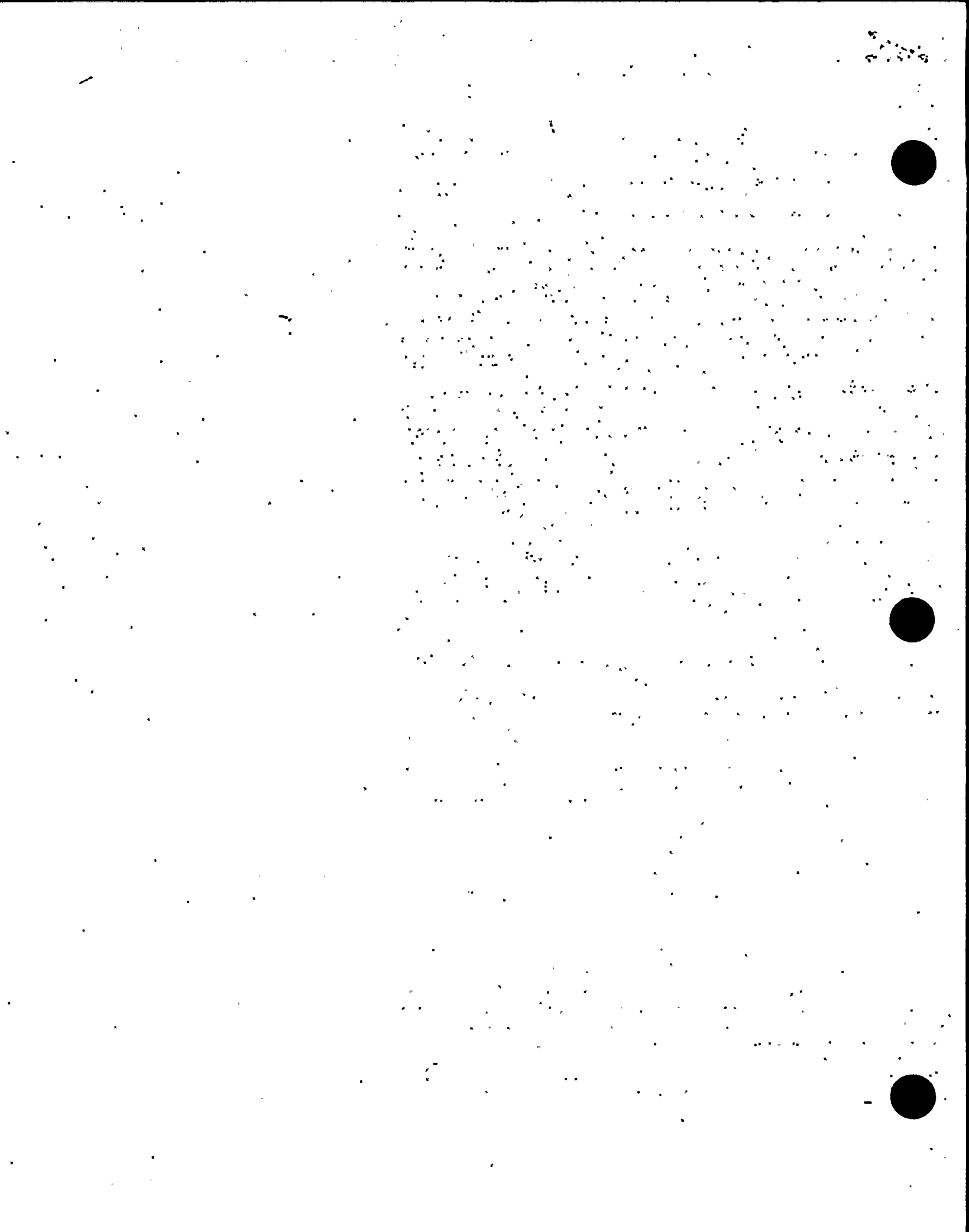
(d) Description of Part Inspected: Control Rod Drive Rod, Model 7RDR144CC005

(e) Applicable ASME Code Section III, Subsection: H-72 Case No. 1361-2 Class: 1

Remarks: Standard part for use with reactor. Hydrostatically tested at 1820 psi.

1. Cap 167A2343P1
(167A2343)
SA182-F304
3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P03
SA312-TP316
3/4 sch 40-seamless pipe
0.113 wall thickness
1.063 max. dia.
3. Plug 159A1176P1
SA182-F304
1/4 thick x 0.812 OD
4. Flange 919D610P1 (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-B6
6 ea. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
SA182-F304
0.38 thick x 1.307 dia.





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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04366-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 02-35	General Electric	71-572	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per 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
 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 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. 71-572 replaced by serial no. A4083. 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

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 11/15/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

FORM N-3 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules Section III, Division 1, Part B, Paragraph 10000.1

1. (a) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.
 (b) Manufactured for General Electric Company, San Jose, Ca., (NEBG)
 2. Identification-Certificate Holder's Serial No. of Part A4083 NPT Bd. No. 1361-2
 (a) Constructed According to Drawing No. 76LE387G008 Drawing Prepared by D. L. Paterson
 (b) Description of Part Inspected Control Rod Drive Model #7RDB144CG005
 (c) Applicable ASME Code Section III, Edition 1971, Addenda date 1972, Case No. 1361-2, Class 1
 Remarks Standard part for use with Reactor. Hydrostatically tested at 1820 psi.

* Total number of sheets - 2

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 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 included in the component Design Specification and Stress Report.

Date 7/6 19 82 Signed GE NEED-AMD-QA By [Signature]
 Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
 Stress analysis report on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
 Design specifications certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345
 Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

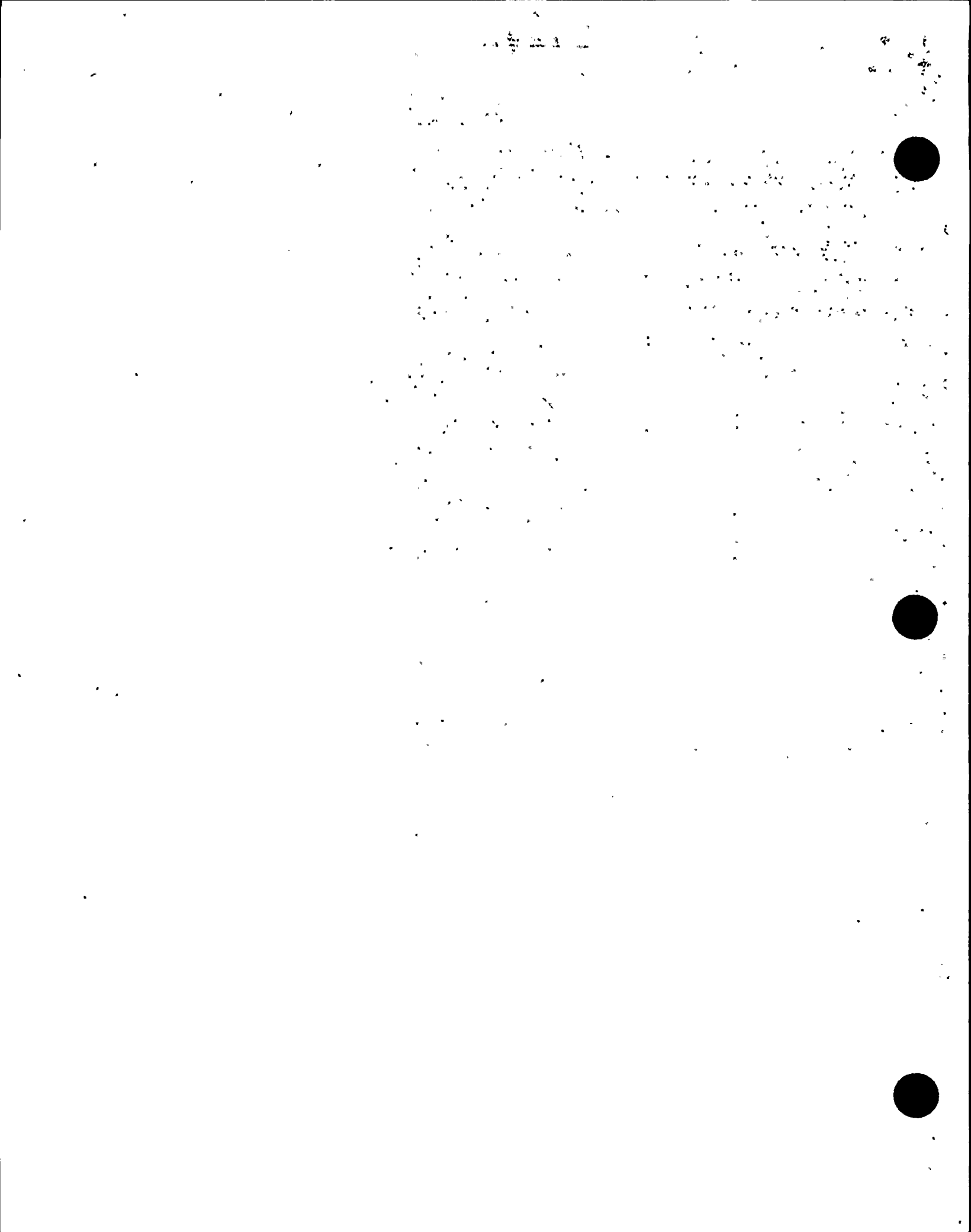
CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State 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 7/6 19 82 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, 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 7/6 19 82
[Signature] Inspector's Signature
 Commission N.C.-687,PAWC2711 National Board, State, Province and No.

SUPPLEMENTAL

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) they are numbered and (2) information in items 1-3 on this form is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 2.



FORM N-2 (back)

DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

Items 4-8 incl. to be completed for jackets, vessels, or shells of heat exchangers.

4. Shell Material: Nominal Thickness in. Allowance in. Dia. ft. Length ft.

5. Seams Long: (Material) (Type) (No. of Seams)

6. Heads (a) Material: T.S. (b) Material: T.S.

Location: Top, bottom, ends. Thickness. Radius. Elliptical Ratio. Conical Apex Angle. Hemispherical Radius. Diameter (Conv. or Conc.)

(a) Top, bottom, ends. (b) Channel.

If removable, bolts used (a) (b) (c) Other (fastening)

7. Jacket Closure: (Material) (Type) (No. of Seams)

8. Design pressure: 1250 psi at temp. of 575 F

Items 9 and 10 to be completed for tube sections. Total number of sheets = 2

9. Tube Sheets Stationary: Material. Dia. Thickness in. Attachment.

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell Material: Nominal Thickness in. Allowance in. Dia. ft. Length ft.

12. Seams Long: (Material) (Type) (No. of Seams)

13. Heads (a) Material: T.S. (b) Material: T.S.

Location: Top, bottom, ends. Thickness. Radius. Elliptical Ratio. Conical Apex Angle. Hemispherical Radius. Diameter (Conv. or Conc.)

(a) Top, bottom, ends. (b) Channel.

If removable, bolts used (a) (b) (c) Other (fastening)

14. Design pressure: 1250 psi at temp. of 575 F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlet: Number. Size. Location.

16. Nozzles: Number. Size. Location. Purpose (Inlet, Outlet, Drain). Material. Thickness. How Attached.

17. Inspection Manhole: No. Size. Location. Opening: Handhole, No. Size. Location. Threaded, No. Size. Location.

18. Supports: Skirt. Lugs. Legs. Other. Attached.

19. (Yes or No) (Number) (Describe) (Where & How)

List other internal or external pressure with coincident temperature where applicable.

20. (Yes or No) (Number) (Describe) (Where & How)

21. (Yes or No) (Number) (Describe) (Where & How)

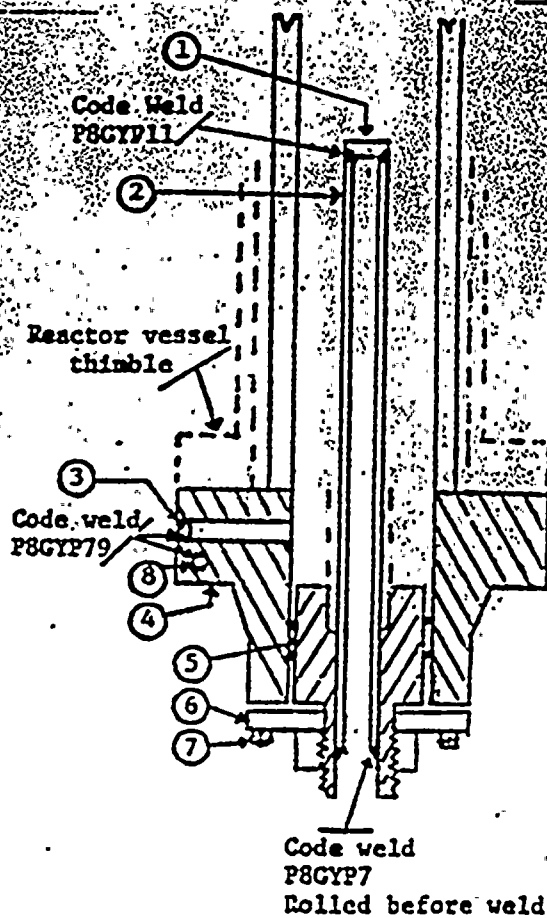
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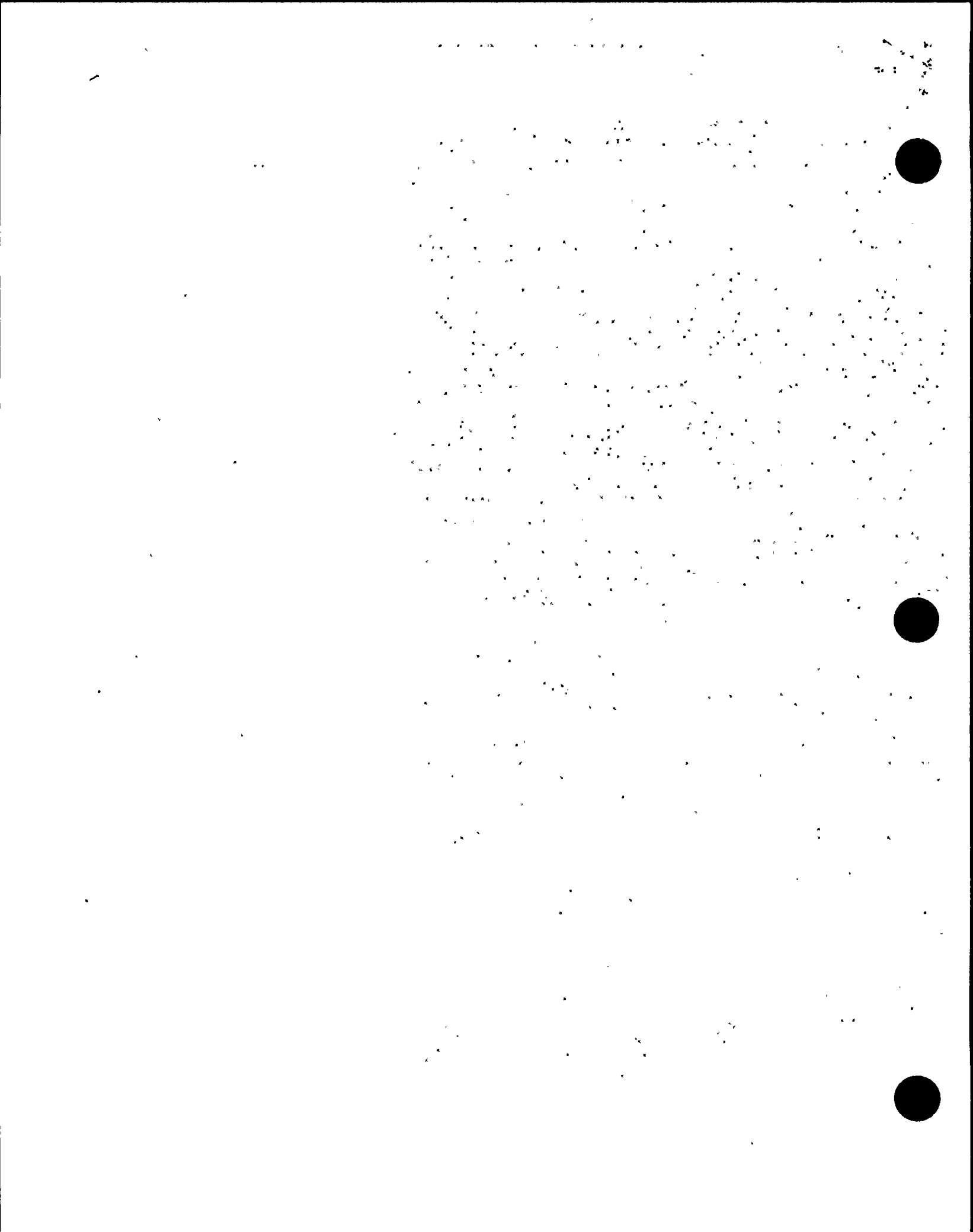


FORM N-3 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES
 As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder)
 (b) Manufactured for General Electric Co., San Jose, Ca., (NEBC)
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part A4083 Nuc'l Bd. No. _____
- (a) Constructed According to Drawing No. 761E3B7C008 Drawing Prepared by D. L. Paterson
 (b) Description of Part Issued Control Rod Drive, Model, 7RDB144CG005
- (c) Applicable ASME Code: Section III, Edition 1971, Addenda date W'72, Case No. 1361-2 Class 1
3. Remarks: Standard part for use with Reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8" thick x 1 1/16" OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1 (719E674)
 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-B6
 6 ea. 1/2 dia. on 4 1/8" bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.





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 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04367-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 06-27	General Electric	71-497	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04367-00 at core location 06-27.

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 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.

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. 71-497 replaced by serial no. A4839. 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

Certificate of Authorization No None Expiration Date None

Signed Steve Z... 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 11/15/96 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.

Zym W Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

FORM N-115 NPT CERTIFICATE HOLDER'S DATA SHEET FOR NUCLEAR PART AND APPURTENANCE

AS Formed by the Province of the ASME Code Book, Section III, Div. 1

(a) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.

(b) Manufactured by General Electric Company, San Jose, Ca., (NEBG)

ASME Certificate Holder's Serial No. of Part 44839

(c) Constructed according to Drawing No. 761R387G008 Drawing Prepared by D. L. PATRICKSON

(d) Description of Part Inspected Control Rod Drive Model 798D14AC005

(e) Applicable ASME Code Section III, Ed. 1971 Addenda 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

The Cylinder Tube & Flange Dwg. No. 919D258G003 and the Piston Tube Assembly Dwg. No. 798D228G010 were hydrostatically tested as individual subassemblies

in conjunction with the Final Control Rod Drive Assembly hydrostatically tested at 1825-1875

I 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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenance is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the contractor's Design Specification and Stress Report.)

Date 7/13/82 Signed G. S. Sridhar NPT Certificate Holder

Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (When applicable)	
Design information on file at	<u>GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA</u>
Stress analysis report on file at	<u>GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA</u>
Design specifications certified by	<u>E. N. Sridhar</u> Prof. Eng. State <u>Calif</u> Reg. No. <u>18345</u>
Stress analysis report certified by	<u>E. N. Sridhar</u> Prof. Eng. State <u>Calif</u> Reg. No. <u>18345</u>

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 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 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.

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, 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 7/13/82

E. O. Shearill Inspector's Signature

"SUPPLEMENTAL"
N.C. 723, PA. W. 2766, OHIO

National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawings may be used, provided (1) size is 11" x 17" (2) information in items 1-2 on this form is included on each sheet, and (3) each sheet is numbered and bound in order as provided in item 3. "General".

FORM 1 (Rev. 1-5-59)

1. Name of Vessel, Tank, or Shell of Heat Exchanger

2. Material, Thickness, Allowance, Diameter, Length

3. Seam, Long, R.T., Efficiency, No. of Courses

4. Heads (a) Material, Location, Thickness, Crown, Radius, Elliptical, Conical, Hemispherical, Flat, Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends; (b) Channel

5. Jacket, Class, (Describe or attach sketch)

6. Design pressure, Charpy Impact

Items 9 and 10 to be completed for tube sections

7. Tube Sheet, Stationary, Material, Dia., Thickness, Attachment

8. Flange, Material, Dia., Thickness, Attachment

9. Tubes, Material, Dia., Thickness, Number, Type

Items 11-14 incl. to be completed for inner chambers of jacket vessels or channels of heat exchangers

10. Shell, Material, Nominal Thickness, Allowance, Dia., Length

11. Seam, Long, R.T., Efficiency

12. Heads (a) Material, Location, Thickness, Crown, Radius, Elliptical, Conical, Hemispherical, Flat, Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends; (b) Channel; (c) Other fastening

13. Design pressure, Drop Weight, Charpy Impact

Items below to be completed for all vessels where applicable.

14. Safety Valve Outlets, Number, Size, Location

15. Nozzles, Purpose (Inlet, Outlet, Drain), Number, Dia. or Size, Type, Material, Thickness, Reinforcement, How Attached

16. Inspection Handholes, No., Size, Location

17. Openings: Handholes, No., Size, Location

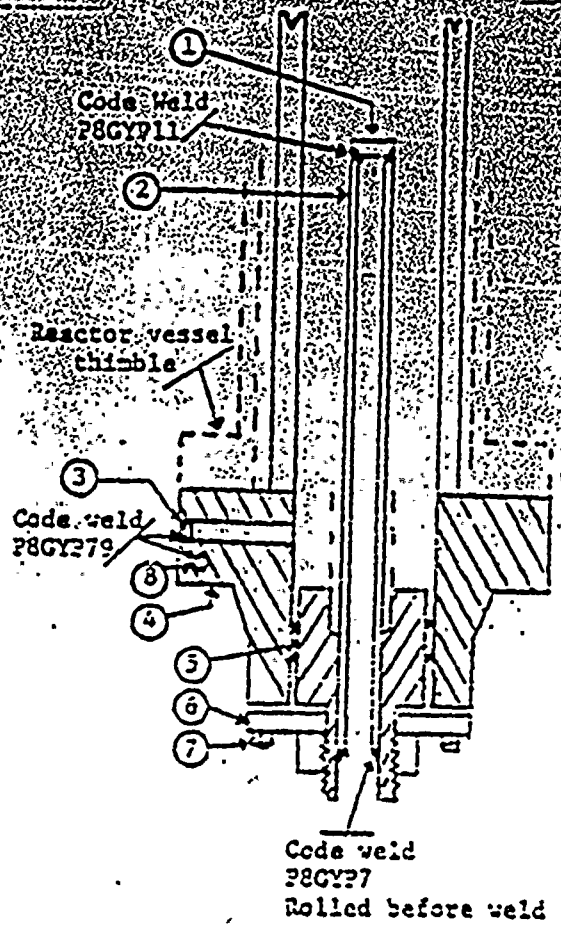
18. Supports: Skirt, Lugs, Legs, Other, Attached

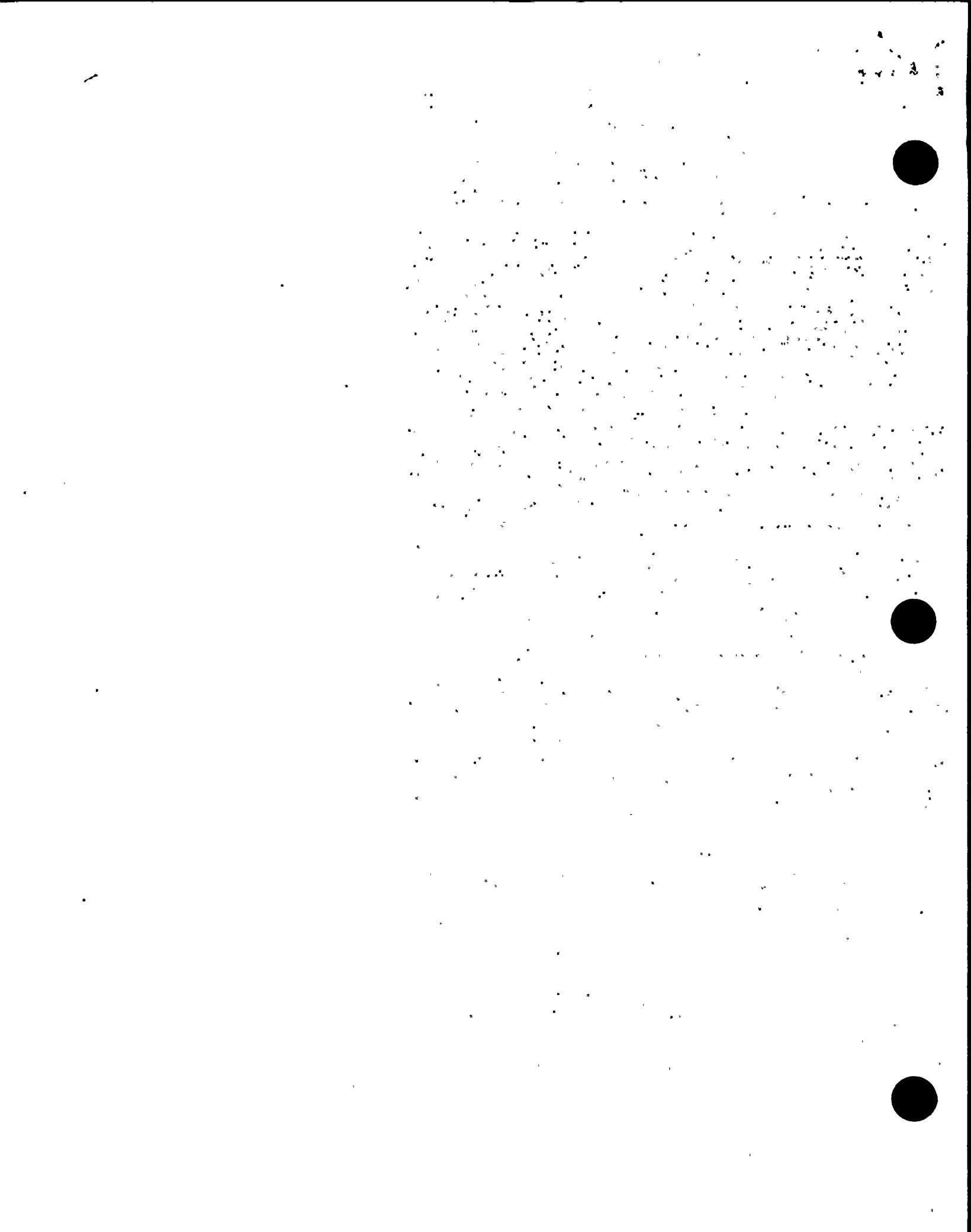
1. Payroll Non-Treated. List other lateral or internal of normal procedure with coincident temperature when applicable.

FORM N-100 CERTIFICATE OF QUALITY FOR NUCLEAR AND RELATED APPLIANCES
 ASSEMBLY, MAINTENANCE, REPAIR, AND OVERHAUL OF NUCLEAR COMPONENTS

(a) Manufactured by General Electric Co., Plant, Raleigh, North Carolina, N.C.
 (b) Manufactured for General Electric Co., San Jose, CA, (GEC)
 Identification Certificate Holder's Serial No. of Part A4839 Part No.
 (c) Constructed according to Drawing No. 76R387G008 Drawing Prepared by D. L. Peterson
 (d) Description of Part Inspected Control Rod Drive, Model, 7RDB144C-005
 (e) Applicable ASME Code Section III, Edition 1971, Subsection NC-172, Case No. 1361-2 Class 1
 Remarks The Cylinder Tube & Flanged Dwg. No. 919D258G003 and the Piston Tube Assembly Dwg. No. 798D228G010 were hydrostatically tested as individual subassemblies prior to Final Control Rod Drive Assembly. Hydrostatically tested at 1825-1975

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1 (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 1143S122P2
 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 175A7961P2
 SA182-F304
 0.38 thick x 1.307 dia.





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 April 2, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-01141-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 10-35	General Electric	71-563	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive flange capscrews (8 ea.) per ASME Work Plan in Work Order 97-01141-00 at core location 10-35.

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 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. 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 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 Steve DeK Maint Manager 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 3/31/97 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 O Carlson Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner, Niagara Mohawk Power Corporation Date April 4, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03503-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes, or No)
CRD 14-11	General Electric	A3492	N/A	NC02 CLASS 1	1980	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive flange capscrew (1 ea.) at core location 14-11. Reference DER No. 1-97-1303.

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 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. 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

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 John C. Seiden for S. O'Flynn, MANAGER MAINTENANCE 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 7/30/97 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.

John W. Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04368-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 14-23	General Electric	71-338	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04368-00 at core location 14-23.

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 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.

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. 71-338 replaced by serial no. A4534. VT-2 per NDE Report No. I-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

Certificate of Authorization No None Expiration Date None

Signed [Signature] Mgmt. Manager Date 7-21, 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 11/15/96 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.

[Signature] Commissions NB 3496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 1997

FORM N-3 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) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.

(b) Manufactured for General Electric Company, San Jose, Calif. (NEBG)

Identification Certificate Holder's Serial No. A4534 Part No. _____

(a) Constructed According to Drawing No. 76LK387G008 Drawing Prepared by D. L. Peterson

(b) Description of Part Inspected Control Rod Drive Model #7RDB144CC005

(c) Applicable ASME Code Section III, Edition 1971 Addenda H72 Case No. 1361-2 Class 1

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

* Total number of sheets - 2

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 NPT Certificate Holder for this part. The Applicable Design Specification and Stress Report are the responsibility of the Appurtenance Holder for appurtenance. It 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 7/28, 1982 Signed G. E. Merrill NPT Certificate Holder

Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Stress analysis report on file as GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Design specifications certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

CERTIFICATE OF SHOP INSPECTION

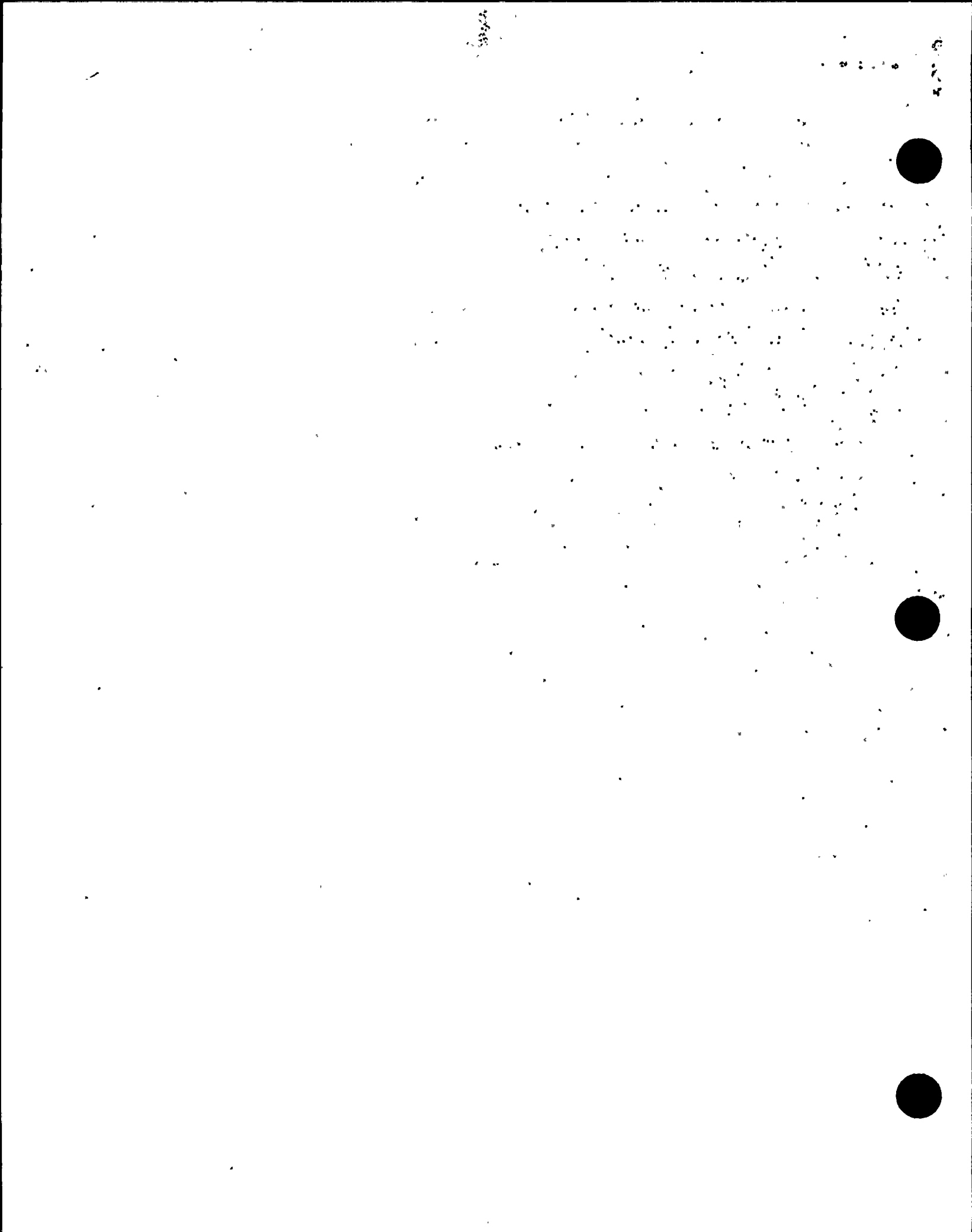
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina

have inspected the part of a pressure vessel described in this Partial Data Report on 7/28 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. 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, 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 7/28 1982 Signature G. E. Merrill Commission N.C. 723 PAW010670 National Board, State Province and No.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in DWG's (2) information in items 1-3 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 5, "Remarks".

3167



Items 4-8 fact. to be completed for single wall vessels, jackets of jacketed vessels, or shells of double wall vessels.

4. Shell Material T.S. Nominal Thickness in. Allowance in. Dia. ft. in. Length ft. in. Efficiency %

5. Seams (a) Material T.S. (b) Material T.S. (c) Material T.S. (d) Material T.S. Efficiency %

6. Heads (a) Material T.S. (b) Material T.S. (c) Material T.S. (d) Material T.S. Efficiency %

7. Jacket (a) Material T.S. (b) Material T.S. (c) Material T.S. (d) Material T.S. Efficiency %

8. Design pressure psia

9. Tube Sheet Stationary Material T.S. Dia. in. Thickness in. Attachment (Welded, Bolted)

10. Jacket (a) Material T.S. (b) Material T.S. (c) Material T.S. (d) Material T.S. Efficiency %

11. Shell Material T.S. Nominal Thickness in. Allowance in. Dia. ft. in. Length ft. in. Efficiency %

12. Seams (a) Material T.S. (b) Material T.S. (c) Material T.S. (d) Material T.S. Efficiency %

13. Heads (a) Material T.S. (b) Material T.S. (c) Material T.S. (d) Material T.S. Efficiency %

14. Design pressure psia

15. Safety Valve Outlets Number Size Location

16. Nozzles Attached

17. Inspectors' Handholes, No. Size Location

18. Supports Skirt Legs Other

19. List other information

20. List other information

21. List other information

22. List other information

23. List other information

24. List other information

25. List other information

26. List other information

27. List other information

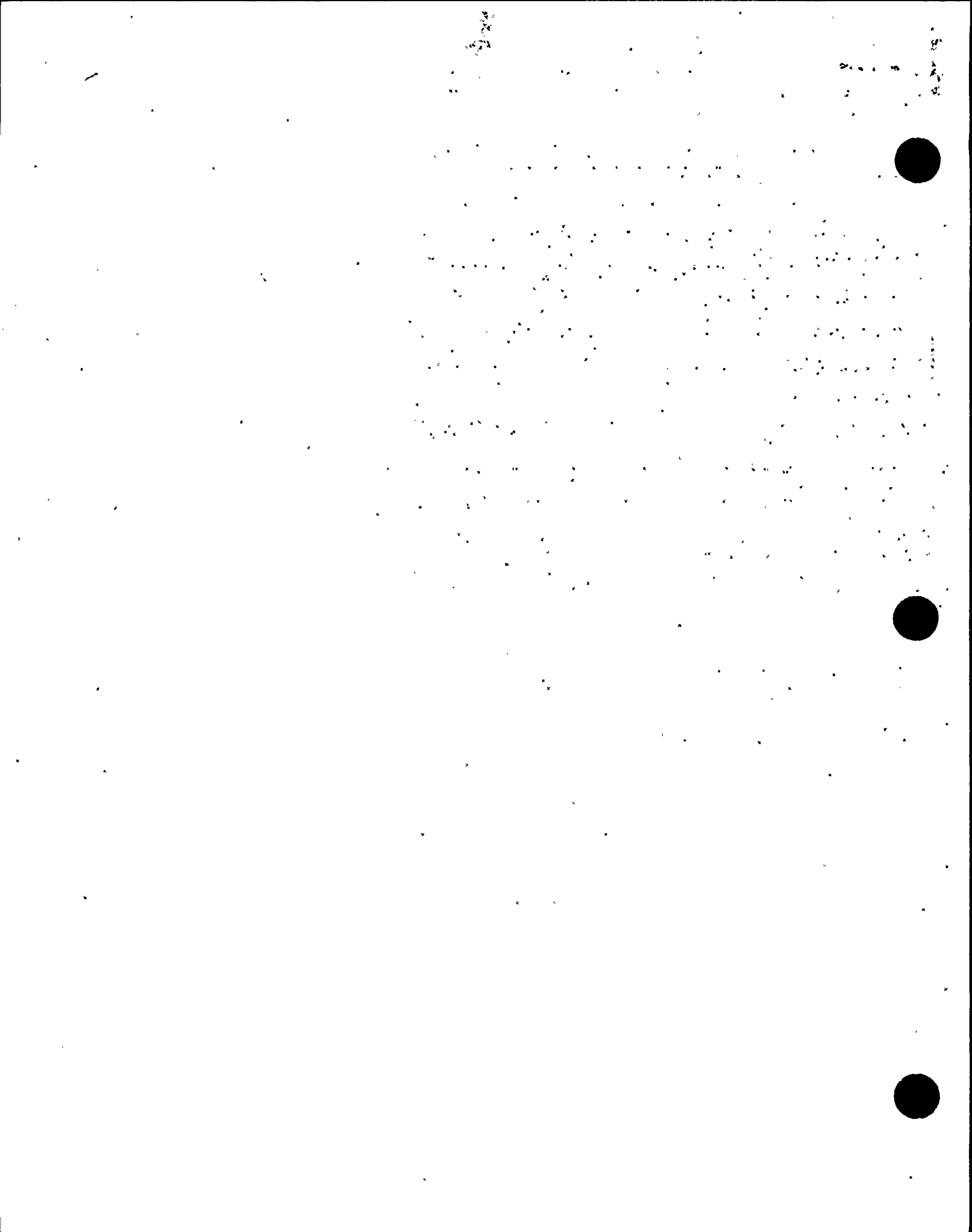
28. List other information

29. List other information

30. List other information

31. List other information

32. List other information

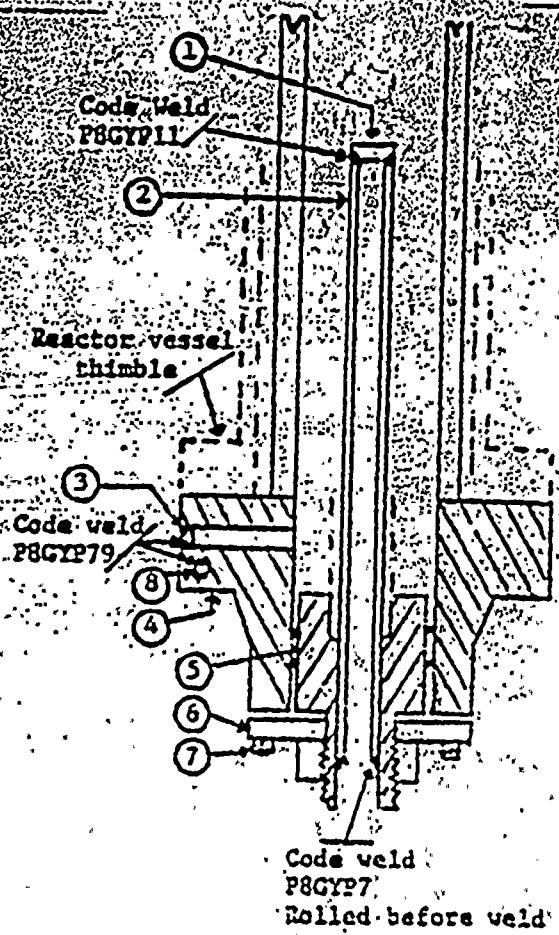


FORM N-3 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES
 As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder)
- (b) Manufactured for General Electric Co., San Jose, Ca., (NEBG)
(Name and address of N Certificate Holder for associated nuclear component)
2. Identification Certificate Holder's Serial No. of Part A4534 Part Id. No. _____
- (a) Constructed According to Drawing No. 761K387G008 Drawing Prepared by D. L. Paterson
- (b) Description of Part Inspected: Control Rod Drive, Model, 7RDB164CC005
- (c) Applicable ASME Code Section III, Edition 1971 Allowable Stress N-72 Case No. 1361-2 Class I
3. Remarks: Standard part for use with Reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

0.5 6 3 1 6 9

1. Cap 167A234P1
 (167A2343)
 SA182-F304
 3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1 (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 ea. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.





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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-16
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 14-31	General Electric	A8014	N/A	NC02 CLASS 1	1986	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-02662-16 at core location 14-31.

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 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.

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. 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 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 [Signature] 207 Maint Manager Date 7-21, 19 97
Owner or Owner's Designee, Title

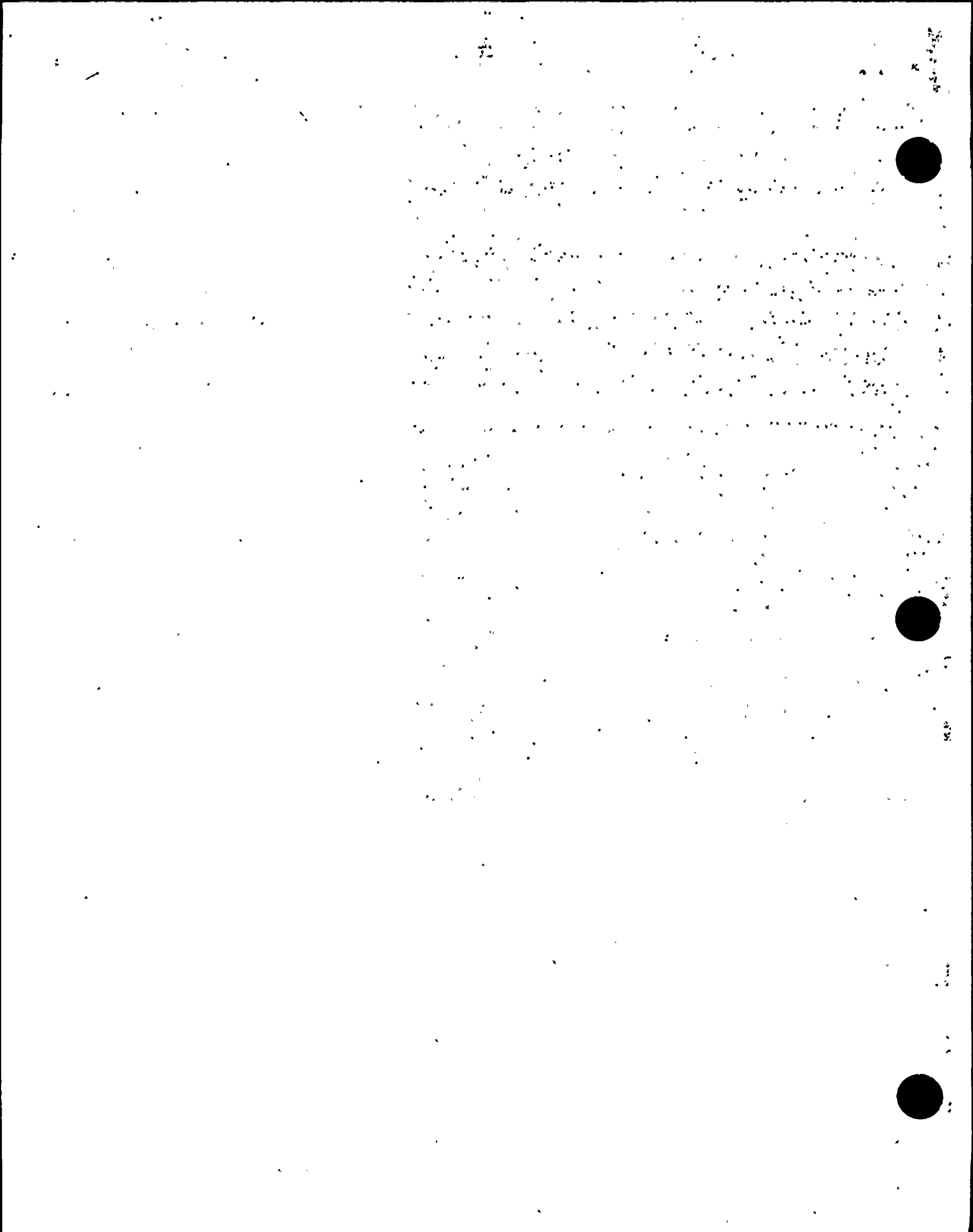
CERTIFICATE OF INSERVICE INSPECTION

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 11/19/96 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.

[Signature] Commissions NB8496 NY2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97



FORM N-2 (back)

Items 4-8 incl. to be completed for single wall vessels, jackets or jackets with internal or external heating or cooling coils.

4. Shell: Material T.S. Thickness in. Allowance in. Dia. ft. in. Length ft. in. (Kind & Spec. No. (M.A. or Range Specification))

5. Seams: Longitudinal J.W.T. Efficiency % (a) Material (b) Material

6. Heads: (a) Material (b) Material Location Thickness Crown Radius Elliptical Radius Conical Apex Angle Hemispherical Radius Dia. (Conv. or Cons.) Side to Press.

(a) Top, bottom, ends (b) Channel (c) Removable, bolt used (Describe or attach sketch)

7. Jacket: Closing (Describe no. and weld, bar, etc. If bar give diameter, if bolted, describe or sketch)

8. Design pressure: at temp. of Drop Weight

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material Dia. Thickness in. Attachment (Welded, Bolted)

10. Tubes: Material O.D. Thickness in. Attachment

Items 11-14 incl. to be completed for inner chambers of jacketed vessels

11. Shell: Material Thickness in. Allowance in. Dia. ft. in. Length ft. in. (Kind & Spec. No. (M.A. or Range Specification))

12. Seams: Longitudinal J.W.T. Efficiency % (a) Material (b) Material

13. Heads: (a) Material (b) Material Location Thickness Crown Radius Elliptical Radius Conical Apex Angle Hemispherical Radius Dia. (Conv. or Cons.) Side to Press.

(a) Top, bottom, ends (b) Channel (c) Removable, bolt used (Describe or attach sketch)

14. Design pressure: at temp. of Drop Weight

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number Location

16. Nozzles: Number Location

17. Inspection Manholes, No. Size Location

Openings: Handholes, No. Size Location

18. Supports: Skirt Legs Other

19. Footwall Heat-Treated

20. Welding

21. Inspection

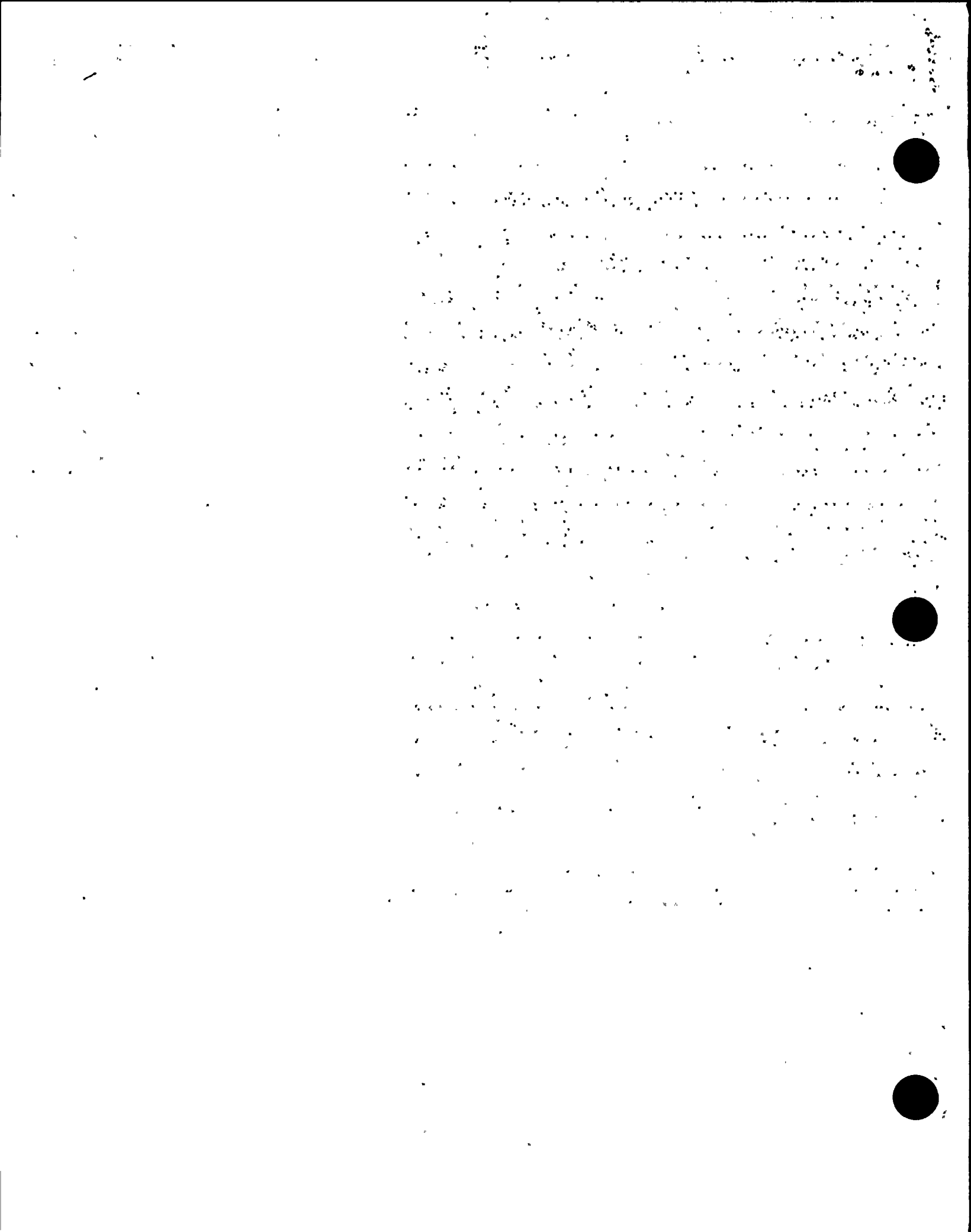
22. Inspection

23. Inspection

24. Inspection

25. Inspection

26. Inspection

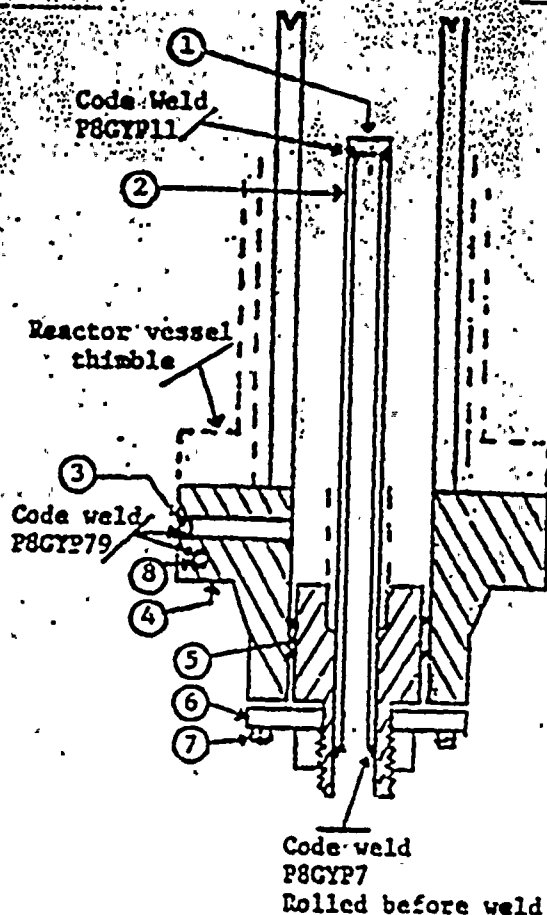


FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder)
 (b) Manufactured for General Electric Co., San Jose, Ca., (NEEG)
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part W355 Nat'l Id. No. _____
- (a) Constructed According to Drawing No. 761R387G008 Drawing Prepared by D. L. Paterson
- (b) Description of Part Inspected Control Rod Drive, Model, 7RDB144CG005
- (c) Applicable ASME Code Section III, Edition 1971 Addenda date W'72 Case No. 1361-2 Class 1
3. Remarks: Standard part for use with Reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1. (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-B6
 6 ea. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.





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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04369-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 18-31	General Electric	71-639	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04369-00 at core location 18-31.

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 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.

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 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 [Signature] 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 11/19/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

FORM N-3 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. Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.
 (Name and address of NPT Certificate Holder for completed nuclear components)

(b) Manufactured for General Electric Company, San Jose, Ca., (NEBG)
 (Name and address of NPT Certificate Holder for completed nuclear components)

2. Identification - Certificate Holder's Serial No. of Part A5645 Nat'l. Bd. No. _____

(a) Constructed According to Drawing No. 761E387G008 Drawing Prepared by D. Lee Potacion

(b) Description of Part Inspected Control Rod Drive Model #7RDB144CG005

(c) Applicable ASME Code Section III, Edition 1971, Addenda N-72, Case No. 1361-2, Class (1)

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

Total number of sheets 2

I certify that the information 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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenance 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 7/20, 19 82 Signed GE, NEPD-EMD-QA By J. Ottolenghi
 NPT Certificate Holder

Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT-N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Stress analysis report on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Design specifications certified by B. N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

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 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 7/20 19 82 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.

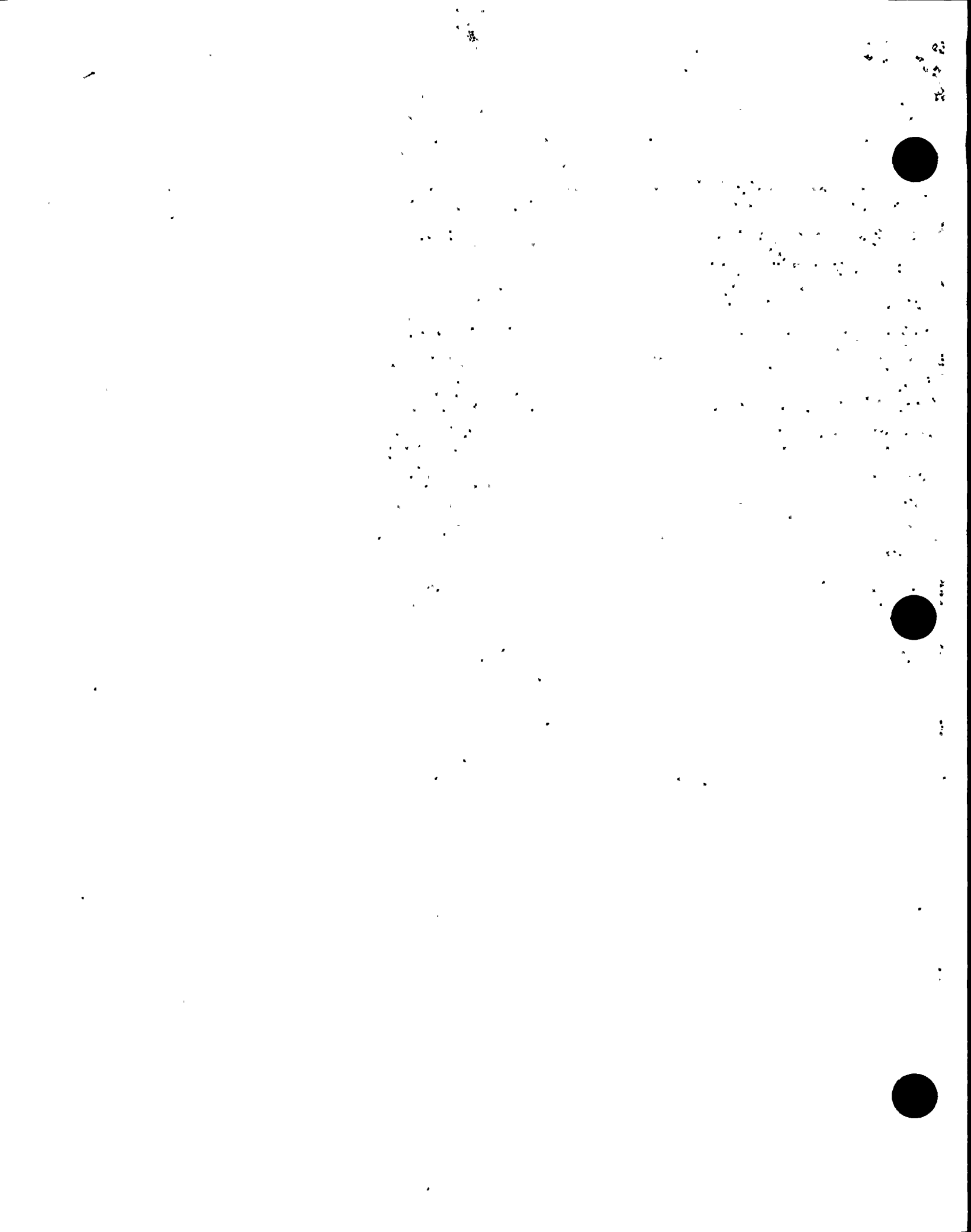
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss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

Date 7/20 19 82

E. B. Sherill Commission N.C. 723, P.R. WCI 766, CHTO
 Inspector's Signature National Board, State, Province and No.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 8 1/2" x 11", (2) information in items 1-3 on this Data Report is repeated on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3. "Remarks".

(10/77) This form (ECCO-40) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



4. Shell Material: Carbon Steel (Material) 1/2" (Thickness) 120" (Diameter) 120" (Length) 120" (Height)
 5. Seams: Long None (Material) None (Material) None (Material)

6. Heads: (a) Material T.S. (b) Material T.S.
 Location: Top, bottom, ends Thickness: 1/2" Crown Radius: None Knuckle Radius: None Elliptical Ratio: None Conical Apex Angle: None Hemispherical Radius: None Flat Diameter: None (Conv. or Conc.)
 If removable, bolts used: None Other fastening: None
 7. Jacket: Jacket Material None O.D. None is Thickness None Attachment None
 Design pressure: 1250 psi at 575 °F
 Drop Weight _____ Charpy Impact _____ (ft-lb) at temp. of _____ °F

Items 9 and 10 to be completed for tube sections:
 9. Tube Sheet: Stationary, Material None Thickness None Attachment None
 10. Tubes: Material None O.D. None is Thickness None Attachment None

Items 11-14 to be completed for inner chambers of jacketed vessels or channels of heat exchangers:
 11. Shell Material: Carbon Steel (Material) 1/2" (Thickness) 120" (Diameter) 120" (Length) 120" (Height)
 12. Seams: Long None (Material) None (Material) None (Material)
 13. Heads: (a) Material T.S. (b) Material T.S.
 Location: Top, bottom, ends Thickness: 1/2" Crown Radius: None Knuckle Radius: None Elliptical Ratio: None Conical Apex Angle: None Hemispherical Radius: None Flat Diameter: None (Conv. or Conc.)
 If removable, bolts used: (a) None (b) None (c) None Other fastening: None
 Drop Weight _____ Charpy Impact _____ (ft-lb) at temp. of _____ °F

Items below to be completed for all vessels where applicable:
 15. Safety Valve Outlets: Number _____ Size _____ Location _____
 16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

 17. Inspection Manholes, No. _____ Size _____ Location _____
 Openings: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
 18. Supports: Skirt (Yes or No) _____ Lugs (Number) _____ Legs (Number) _____ Other (Describe) _____ Attached (Where & How) _____

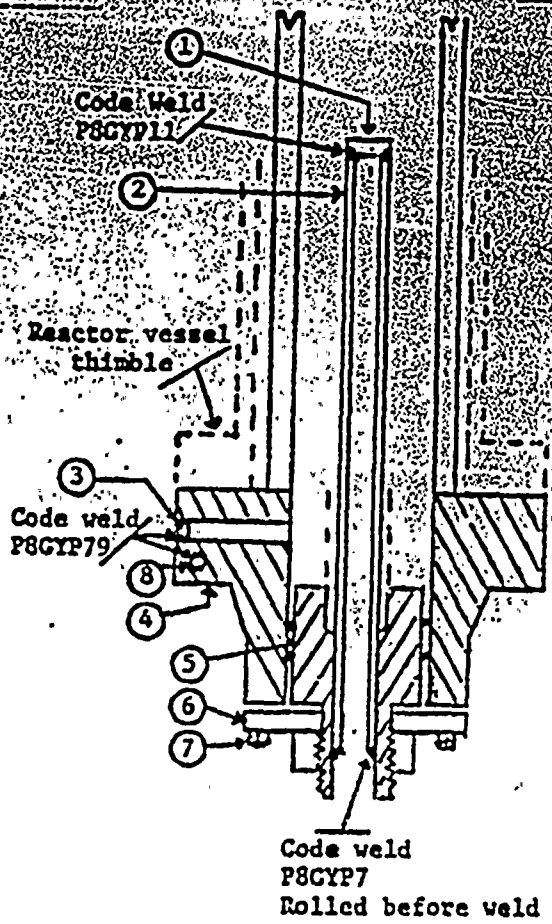
1 If Postweld Heat-Treated.
 2 List other internal or external pressure with coincident temperature when applicable.

A 2 8 7 0 5 8 7

FORM N-1 (REV. 1-5-59) CERTIFICATE OF CONFORMANCE DATA REPORT FOR NUCLEAR PART AND APPURTENANCES
 As Required by Paragraph 1 of the Atomic Energy Act, Section III, DW-1

1. (a) Manufactured by General Electric Co., Cable Works, Wilmington, N.C.
(Name and address of U.S. Certificate Holder)
 (b) Manufactured for General Electric Co., San Jose, Calif. (HEBG)
(Name and address of U.S. Certificate Holder for completed nuclear component)
 2. Identification Certificate Holder's Serial No. of Part AS645 Part Id. No. _____
 (a) Connected According to Drawing No. 761R387G008 Drawing Prepared by D. L. Paterson
 (b) Description of Part Inspected Control Rod Drive, Model, 7RDB144CG005
 (c) Applicable ASME Code Section III, Part 197A Allowable Stress N-72 Case No. 1361-2 Class 1
 3. Remarks Standard part for use with reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8" thick x 1 1/16" OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1 (719EA74)
 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-B6
 6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38" thick x 1.307" dia.



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 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03788-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 18-35	General Electric	71-661	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

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 96-03788-00 at core location 18-35.

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 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. 1-2.01-97-0092 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 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 J. G. Laska for S-COM, MAINT-01 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 4/15/96 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.

Lynn D Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04370-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 18-39	General Electric	A8492	N/A	NC02 CLASS 1	1988	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04370-00 at core location 18-39.

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 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. A8492 replaced by serial no. A5043. 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

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 1/15/96 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.

[Signature] Commissions AIB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

FORM N-3 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) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder for completed nuclear component)

(b) Manufactured for General Electric Company, San Jose, Ca., (NRC)
(Name and address of NPT Certificate Holder for completed nuclear component)

2. Identification Certificate Holder's Serial No. of Part A5043 NPT ID No. _____

(a) Coproduced According to Drawing No. 76LE387C008 Drawing Prepared by D. L. PUGH

(b) Description of Part Inspected Control Rod Drive Rodal #7RDB144CC005

(c) Applicable ASME Code Section III, Edition 1971, Addenda N-72, Case No. 1361-2, Class B

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

* Total number of sheets = 2

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 Specifications and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenance is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the Component Design Specifications and Stress Report.)

Date 7/20/82 By G. B. Sridhar
NPT Certificate Holder
Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Stress analysis report on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Design specifications certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

CERTIFICATE OF SHOP INSPECTION

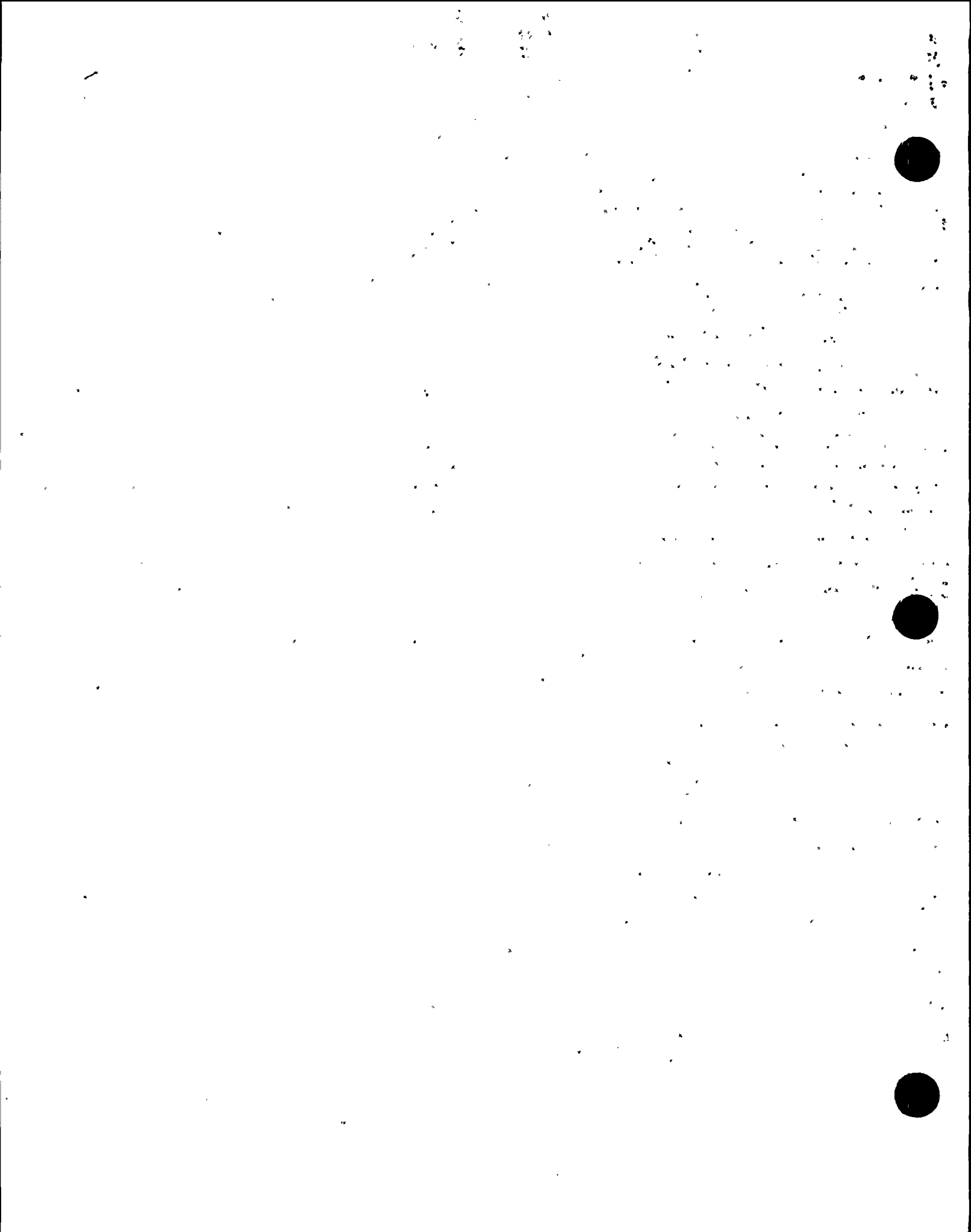
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of North Carolina and employed by Department of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 7/20 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.

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, 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 7/20 19 82

G. B. Sridhar Commission _____
Inspector's Signature National Board, State, Province and No.

N.C. 723,PA.WC1768 SUPPLEMENTAL



UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
FORM NO. 10-1 (REV. 1-15-50)
STANDARD SPECIFICATION FOR NUCLEAR PARTS AND MATERIALS

Items 1 through 10 to be completed for shells, heads, tubes, jackets of jacketed vessels, or shells of heat exchangers.

1. Shell Material: SA-516 Nominal Thickness 1/2 in. Allowance 0.015 in. Dia. 12 in. Length 12 ft. (Kind & Spec. No.) (Min. of Range Specified) (Describe or attach sketch)

2. Seams: Long SA-516 No. of Seams 0 (If applicable)

3. Heads: (a) Material T.S. (b) Material T.S. No. of Courses 0

4. Heads: (a) Top, bottom, ends: Location Top Thickness 1/2 in. Crown Radius 0 Knuckle Radius 0 Elliptical Ratio 0 Conical Apex Angle 0 Hemispherical Radius 0 Flat Diameter 0 Side to Flange (Cov. or Conc.) 0

(b) Chassis: (removable, bolts used) (a) (b) (c) Other fastening None (Describe or attach sketch)

5. Jacket Chamber: Hydrostatically tested at 1800 psi (Describe jacket and its use, or if none, state diameter and length, or other pertinent data)

6. Design pressure: 1250 psi at 575 °F Drop Weight Charpy Impact at temp. of 0 °F

Items 9 and 10 to be completed for tube sections.

9. Tube Sheets: Material SA-516 Dia. 12 in. Thickness 1/2 in. Attachment None (Kind & Spec. No.) (Subject to pressure stresses as specified in Section III of the ASME Code Section III)

10. Tubes: Material SA-516 O.D. 12 in. Thickness 1/2 in. Attachment None (Kind & Spec. No.) (Subject to pressure stresses as specified in Section III of the ASME Code Section III)

Items 11-14 to be completed for inner chambers of jacketed vessels, or chambers of heat exchangers.

11. Shell Material: SA-516 Nominal Thickness 1/2 in. Allowance 0.015 in. Dia. 12 in. Length 12 ft. (Kind & Spec. No.) (Min. of Range Specified) (Describe or attach sketch)

12. Seams: Long SA-516 No. of Seams 0 (If applicable)

13. Heads: (a) Material T.S. (b) Material T.S. No. of Courses 0

4. Heads: (a) Top, bottom, ends: Location Top Thickness 1/2 in. Crown Radius 0 Knuckle Radius 0 Elliptical Ratio 0 Conical Apex Angle 0 Hemispherical Radius 0 Flat Diameter 0 Side to Flange (Cov. or Conc.) 0

(b) Chassis: (removable, bolts used) (a) (b) (c) Other fastening None (Describe or attach sketch)

5. Design pressure: 1250 psi at 575 °F Drop Weight Charpy Impact at temp. of 0 °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number 0 Size 0 Location 0

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

17. Inspection Manholes, No. 0 Size 0 Location 0

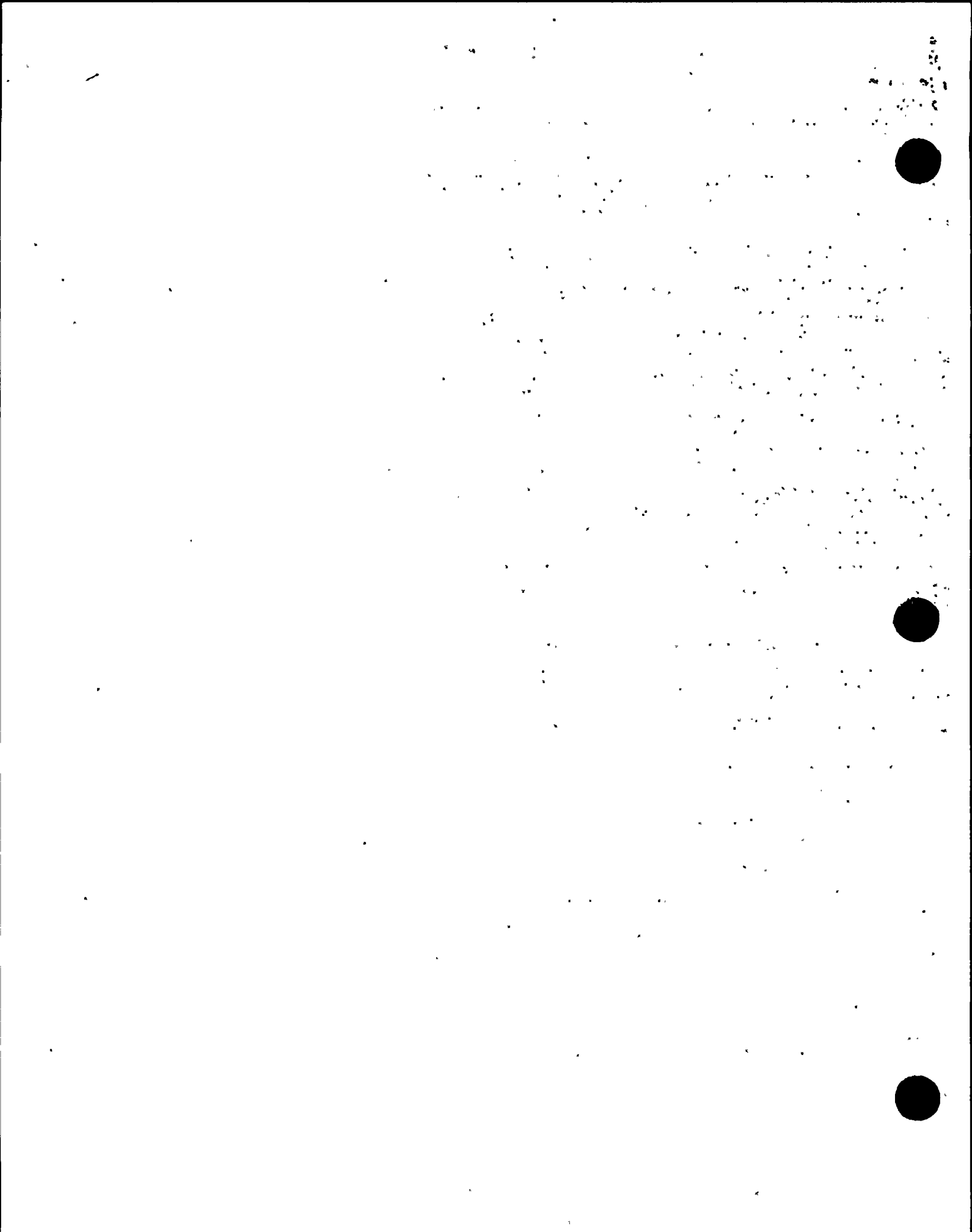
Openings: Handholes, No. 0 Size 0 Location 0

Threaded, No. 0 Size 0 Location 0

18. Supports: Skirt 0 Lugs (Number) 0 Legs (Number) 0 Other (Describe) 0 Attached (Where & How) 0

¹ If Postweld Heat-Treated.
² List other internal or external pressure with coincident temperature when applicable.

0 5 6 7 8 9 10 11 12 13 14 15

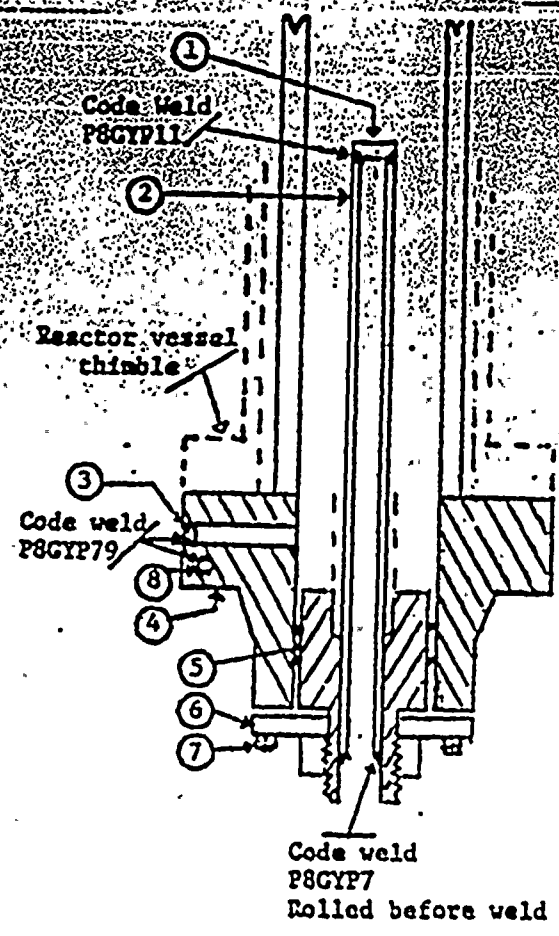


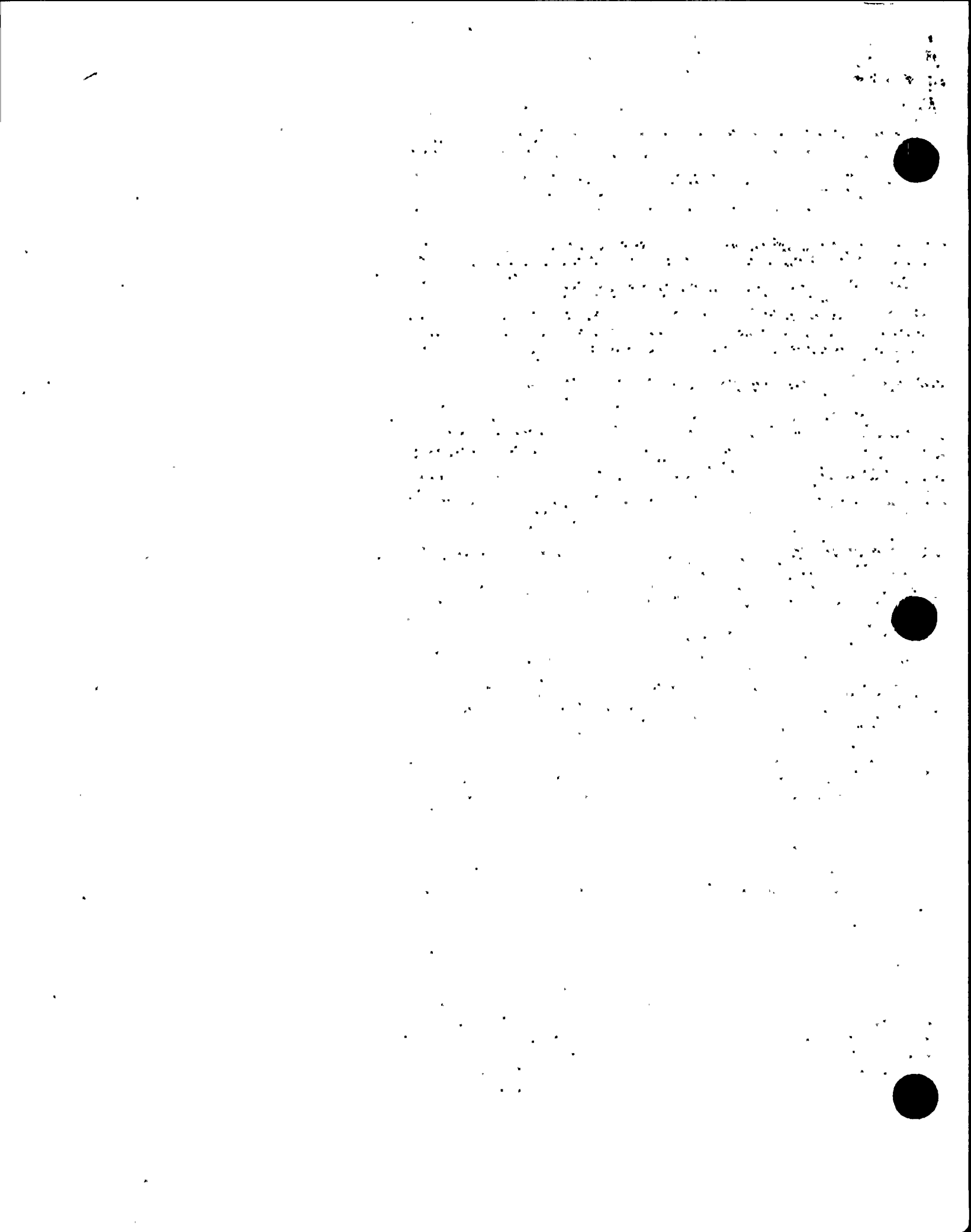
FORM N-10 IDENTIFICATION NUMBER DATA REPORT FOR NUCLEAR PART AND APPURTENANCES
 Approved by the Institute of the ASME Code Files, Section III, Div. 1

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(Name and address of part Certificate holder)
 (b) Manufactured for General Electric Co., San Jose, Ca., (GEBG)
(Name and address of Certificate holder for completed nuclear component)
 2. Identification Certificate Holder's Serial No. of Part A5043 Nat'l. Id. No. _____
 (a) Constructed According to Drawing No. 761K387G005 Drawing Prepared by D. L. Peterson
 (b) Description of Part Inspected Control Rod Drive, Model, 7RDB144CG005
 (c) Applicable ASME Code Section III, Edition 1971 Addenda W, X, Y, Z Case No. 1361-2 class 1
 3. Remarks Standard part for use with reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

05587

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8" thick x 1 1/16" OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1 (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-B6
 6 ea. 1/2" dia. on 4 1/8" bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38" thick x 1.307" dia.





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 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04371-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 22-07	General Electric	71-419	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04371-00 at core location 22-07.

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 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. 71-419 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] Plant 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 11/15/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U O . 1 . 2 5 . 2
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

129

(a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 July 25 1967

[Signature]
Inspector

S L N 65

- 71: - 334 (337, 338, 341, 348, 349, 368, 394, 399, 410, 417, 419, 428, 430, 434, 436, 440, 442, 449, 457, 462, 463, 464, 468, 471, 472, 473, 474, 475, 476, 480, 488, 494, 497, 500, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 530, 598, 652, 716)

SEP-13 1967



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 OF AND SKETCH

Items 4-9 Incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)								
(b)								

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

If riveted describe seams fully on reverse side of form.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (O.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

If riveted describe seams fully on reverse side of form.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached

7. INSPECTION MANHOLES, No. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

8. SUPPORTS: Skirt _____ (Yes or No) Legs _____ (Number) _____ Other _____ (Describe) Attached _____ (Where & How)

If material heat-treated. List material item & other internal or external processes with component temperature when applicable.

2
1



0 0 4 2 4 0 2 5 4

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagara Mohawk Unit

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 379, 379, 498, 453, 538, 541, 542, 551, 561, 655, 67

(a) Constructed According to Blueprint No. 237E179 G1 ^{612, 750, 525} B.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

To 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 31 19 67 Signed General Electric Co. By [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and of 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 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 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 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 4-17 19 67
[Signature] Inspector's Signature Commission Cal 706
State of California



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND S1EDCI

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

5. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form.

Girth H.T. X.R. Sectioned No. of Courses

6. HEADS: (a) Material T.S. (b) Material T.S. Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

(a) (b) If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horse.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°)

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment (Welded, Bolted) Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness In. or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form.

Girth H.T. X.R. Sectioned No. of courses

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S. Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

(a) Top, bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°)

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OR RELIEFS: Number Size Location

Table with 8 columns: Nozzle Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location

Openings: Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) (Other (Describe)) Attached (Where & How)

If postweld heat-treated. List under item 3 either internal or external pressure with coincident temperature when applicable.



0 0 4 4 0 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 Curtner Ave, San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date August 8 19 67 signed General Electric Co. by J. W. Fairlie
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 9-11-67 19 67
J. W. Fairlie Inspector's signature Commission 65-1736 National Board of State and N.



THIS FORM NOT APPLICABLE TO **FORM U-2 (back)** SEE BLUEPRINT **287E1795G1** AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

5. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches of Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES: Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Type or No. _____ Lugs _____ (Welded) _____ Lugs _____ (Welded) _____ Other _____ Attached _____
(Welded)

If postweld heat treated, list under item 1 other internal or external pressures with resultant temperature when applicable.

100



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 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04372-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 22-11	General Electric	71-551	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04372-00 at core location 22-11.

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 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.

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed *Steve Deit* Plant Manager Date 7-21, 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 11/19/96 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.

Lynn D Anderson Commissions A128496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 1997

DESIGN MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As Required by the Provisions of the ASME Code Rules

(a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N. C.
(Name and address of Manufacturer of part)
(b) Manufactured for General Electric Co., San Jose, California.
(Name and address of Manufacturer of completed nuclear component)
Identification-Manufacturer's Serial No. of Part 7054 Nat'l ID. No. _____
(c) Constructed According to Drawing No. 761E387G4 Drawing Prepared by D. L. Peterson
(d) Description of Part Inspected Control Rod Drive, Model #7RDB144CG003
(e) Applicable ASME Code/Section III, Edition 1971, Addenda date None, Case No. 1361 Class 1
Remarks: Piston Tube Assembly manufactured to drawing number 798D228G0010
(Brief description of service for which component was designed)

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.
Date 12-15-1977 Signed GE, NEPD-WMD-EM By [Signature]
(Manufacturer)
Certificate of Authorization Expires June 16, 1978 Certificate of Authorization No. NPT-1151

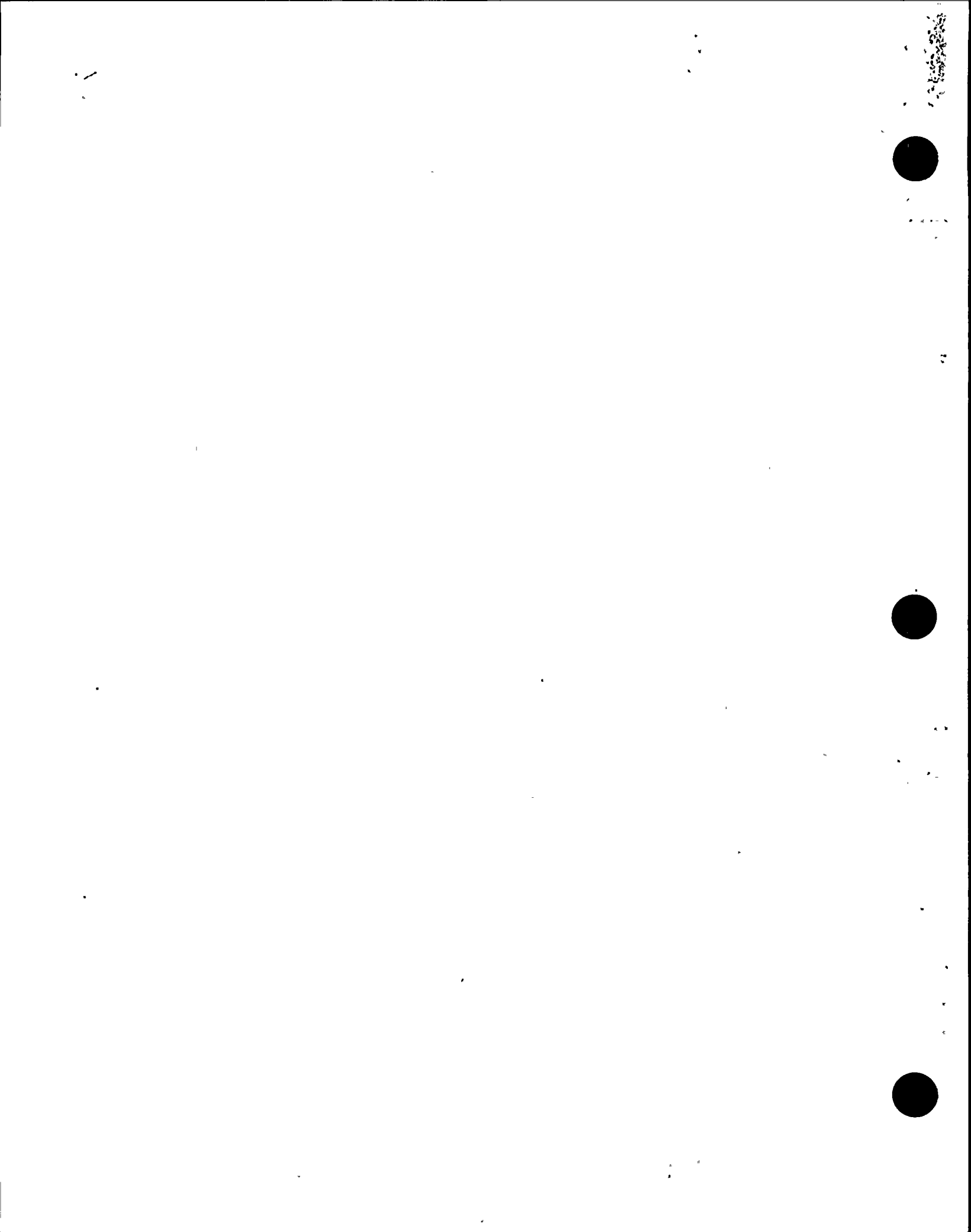
CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at General Electric Co., NEPD-WMD-EMO, Castle Hayne Rd., Wilmington, N.C.
Stress analysis report on file at General Electric Co., NEPD-WMD-EMO, Castle Hayne Rd., Wilmington, N.C.
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

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 or Province of N. 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 77, 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 12-15 19 77
[Signature] Inspector's Signature
Commissions NC 723, PA WC 1776, Ohio
National Board, State, Province and No.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in Items 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 2 (Back)

Shell, jackets, jackets of jacketed vessels, or shells of heat exchangers.

Shell Material (Kind & Spec. No.) (Min. of Range Specified) Nominal Thickness in. Corrosion Allowance in. Dia. ft. in. Length ft. in.

Seams: Long H.T. R.T. Efficiency

Girth H.T. R.T. No. of Courses

6. Heads: (a) Material T.S. (b) Material T.S. Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) (b)

If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or attach sketch)

7. Jacket Closure: (Describe as open and weld, bar, etc. If barging dimensions, if bolted, describe or sketch) Drop Weight Charpy Impact ft-lb at temp. of °F

8. Design pressure 1275 psi at 575 °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material (Kind & Spec. No.) Dia. (Subject to pressure) Thickness in. Attachment (Welded, Bolted) Flattening Material Dia. Thickness in. Attachment

10. Tubes: Material O.D. in. Thickness of ends Number Type

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell Material (Kind & Spec. No.) T.S. (Min. of Range Specified) Nominal Thickness in. Corrosion Allowance in. Dia. ft. in. Length ft. in.

12. Seams: Long H.T. R.T. Efficiency

Girth H.T. R.T. No. of Courses

13. Heads: (a) Material T.S. (b) Material T.S. Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends (b) Channel

If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)

Drop Weight Charpy Impact ft-lb at temp. of °F

14. Design pressure psi at °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number Size Location

16. Nozzles: Purpose (Inlet, Outlet, Drains) Number Dia. or Size Type Material Thickness Reinforcement with girth Material how attached

17. Inspection: Manholes, No. Size Location Openings: Handholes, No. Size Location Threaded, No. Size Location

18. Supports: Skirt Lugs Loss Other Attached (Describe) (Where & How)

(Yes or No) (Number) (Number) (Describe)

If Post-weld Heat-Treated, List other internal or external pressure with concurrent temperature when applicable.

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100-100000-100000



(a) Manufacturer: General Electric Co., Castle Hayne Rd., Wilmington, N. C.

(b) Manufacturer: General Electric Co., San Jose, California

2. Identification: Manufacturer's Serial No. 7054 Nat'l Id. No.

(a) Constructed According to Drawing No. 761E387G4 Drawing Prepared by D. L. Peterson

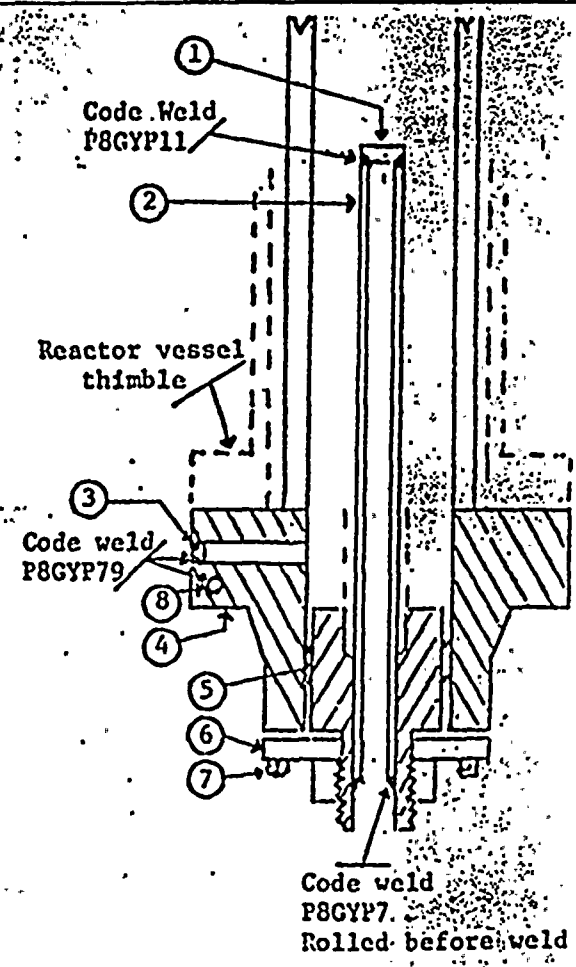
(b) Description of Part Inspected: Control Rod Drive, Model #7RDB144CG003

(c) Applicable ASME Code: Section III, Edition 1971 Addenda date None Case No. 1361 Class 1

3. 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.

- 1. Cap 167A2343P1
(167A2343)
SA182-F304
3/8" thick x 1 1/16" OD
- 2. 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
- 4. Flange 919D610P1 (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 129B3539P1
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.





MANUFACTURER'S PARTIAL DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code, Section III, Part UG-110

(a) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.
(Name and address of Manufacturer of part)

(b) Manufactured for General Electric Company, San Jose, California
(Name and address of Manufacturer of completed nuclear component)

(c) Qualification-Manufacturer's Seal No. of Part 7054 Nat'l Bd. No. _____

(d) Constructed According to Drawing No. 1761E387G2 Drawing Prepared by D. L. Peterson

(e) Description of Part Inspected Control Rod Drive, Model #7RDB144 C1

(f) Applicable ASME Code: Section III, Edition 1971, Addenda date None, Case No. 1361-1 Class 1

Remarks: Standard part for use with Reactor. Hydrostatically tested at 1820 PSI minimum.
(Brief description of service for which component was designed)
"See new Manufactures Data Report"

ORIGINAL DATA REPORT.

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.)

Date July 31 1975 Signed GE, BWRSD - REM (Manufacturer) By [Signature]

Certificate of Authorization Expires June 20, 1978 Certificate of Authorization No. NP-462

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at General Electric Co., BWRSD-REM, Castle Hayne Rd., Wilmington

Stress analysis report on file at General Electric Co., BWRSD-REM, 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

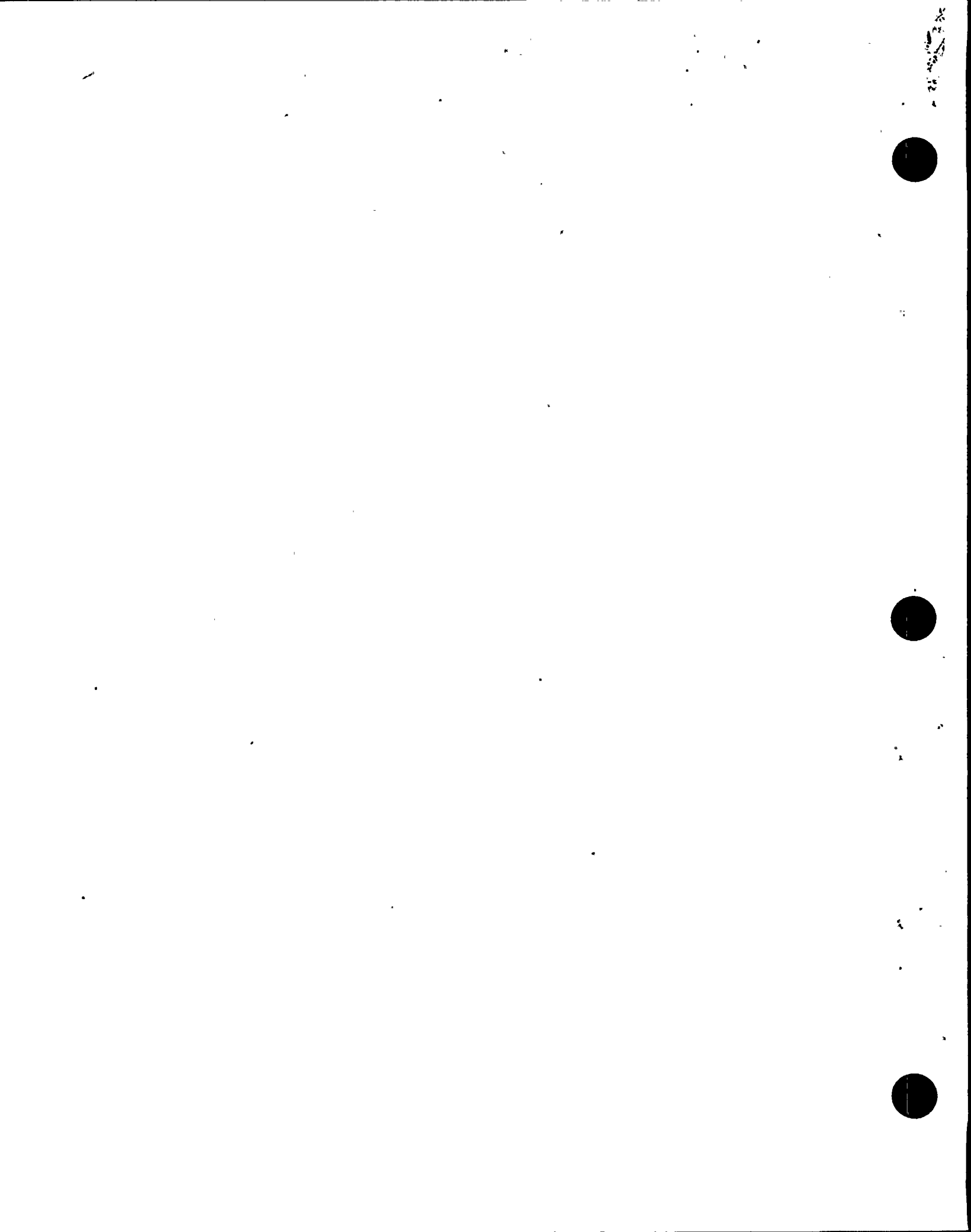
CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State 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 Manufacturer's Partial Data Report on July 31 1975, 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 July 31 1975

[Signature]
Inspector's Signature

Commissions NC 723, PA UC-1766, OHIO
National Board, State, Province and No.



4. Shell: Material: T.S. Nominal Thickness: 1/2 in. Corrosion Allowance: 1/8 in. Dia: 12 in. Length: 10 ft.

5. Seamer: Log: H.T. Efficiency: 70% No. of Courses: 10

6. Heads: (a) Material: T.S. (b) Material: T.S. Location: Top, bottom, ends. Thickness: 1/2 in. Radius: 12 in. Apex Angle: 90 degrees. Diameter: 12 in.

7. Jacket: (Type): None. Design pressure: 1250 psi at 575 F. Drop Weight: Charpy Impact: at temp. of F.

Items 9 and 10 to be completed for tube sections. 9. Tube Sheet: Stationary, Material: T.S. Dia: 1/2 in. Thickness: 1/8 in. Attachment: Welded. 10. Tubes: Material: T.S. U.D. in. Thickness: 1/8 in. Number: 2.

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers. 11. Shell: Material: T.S. Nominal Thickness: 1/2 in. Corrosion Allowance: 1/8 in. Dia: 12 in. Length: 10 ft.

12. Seamer: Log: H.T. Efficiency: 70% No. of Courses: 10

13. Heads: (a) Material: T.S. (b) Material: T.S. Location: Top, bottom, ends. Thickness: 1/2 in. Radius: 12 in. Apex Angle: 90 degrees. Diameter: 12 in.

14. Design pressure: 1250 psi at 575 F. Drop Weight: Charpy Impact: at temp. of F.

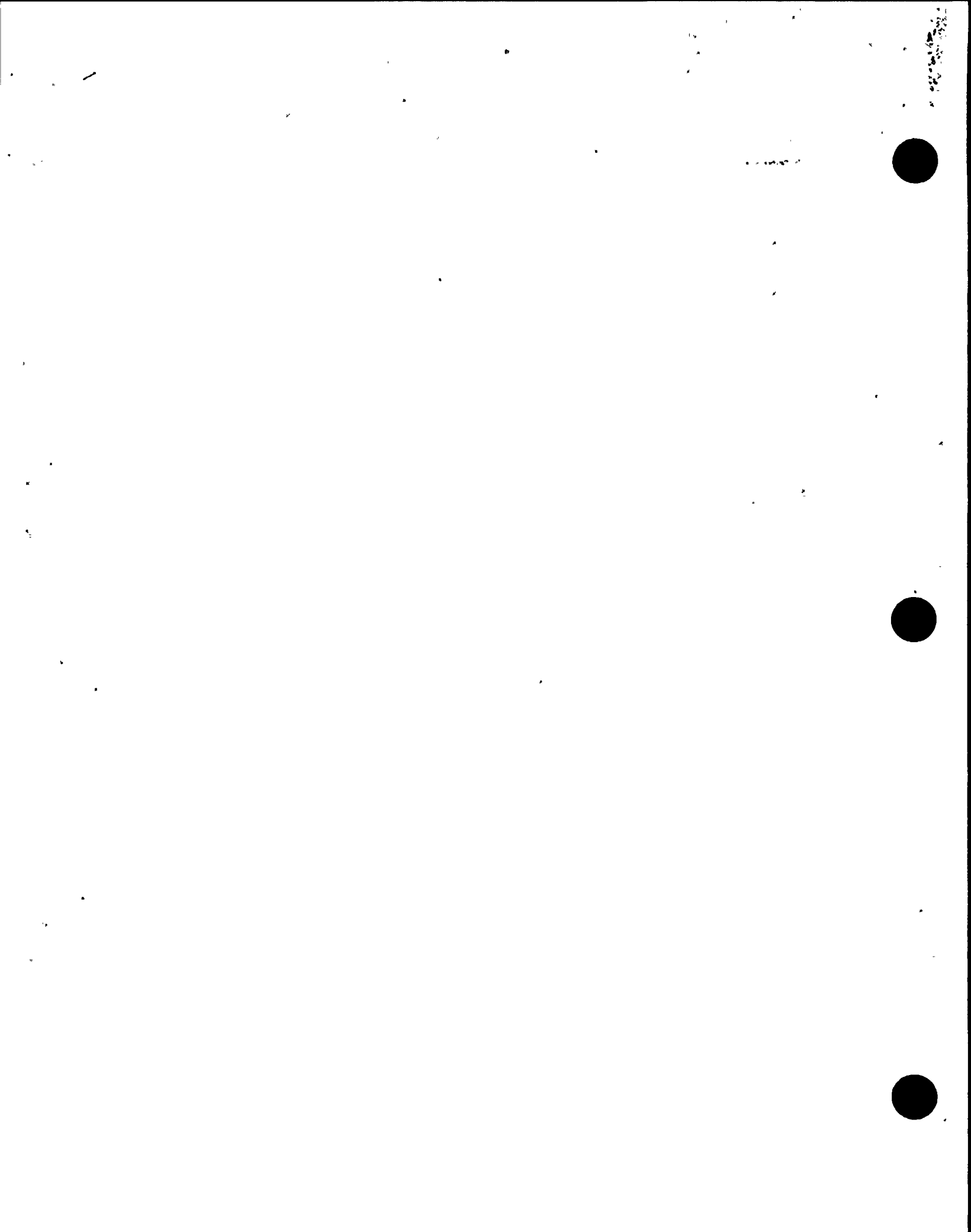
Items below to be completed for all vessels where applicable. 15. Safety Valve Outlet: Number: Size: Location: 16. Nozzles: Purpose: Number: Size: Material: Thickness: Attachment:

17. Inspection Manholes, No.: Size: Location: Openings: No.: Size: Location: Threaded, No.: Size: Location:

18. Supports: Skirt: Lugs: (Yes or No) Legs: (Number) Other: (Describe) Attached: (Where & How)

1. If Postweld Heat-Treated. 2. List other internal or external pressure with coincident temperature when applicable.

0000720946



100-10701

1. Cap 157A2300
SA182-F304
3/8" thick x 1 1/16" OD

2. Indicator Tube 1048133001
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

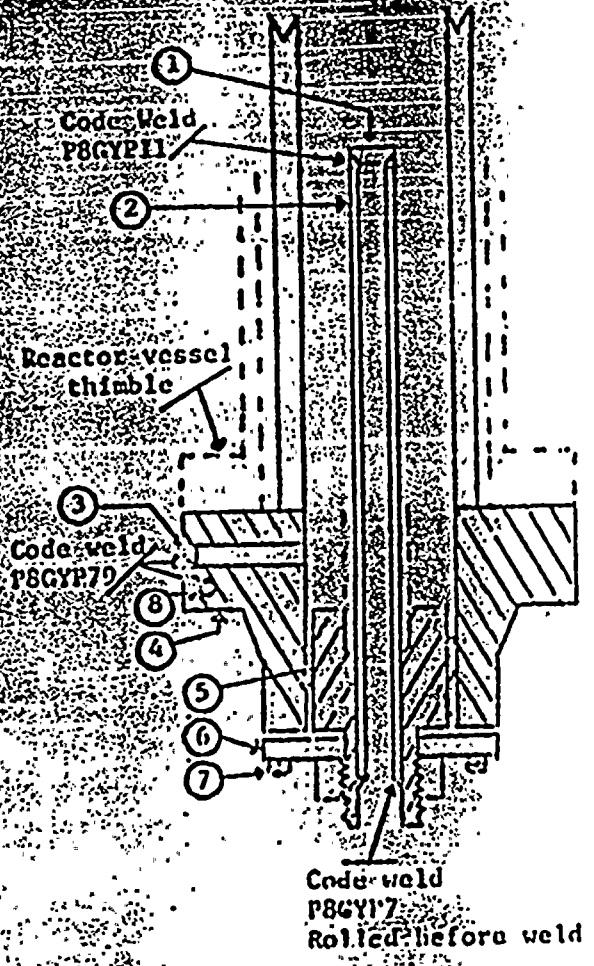
4. Flange 919D610P1 (719E474)
SA182-F304
3.37" thick x 9 5/8" OD
neck 1 1/16" thick x 5.0" OD
2.875 ID

5. Head 129B3530P1
SA182-F304
1 7/8" thick x 2.875 Dia.

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

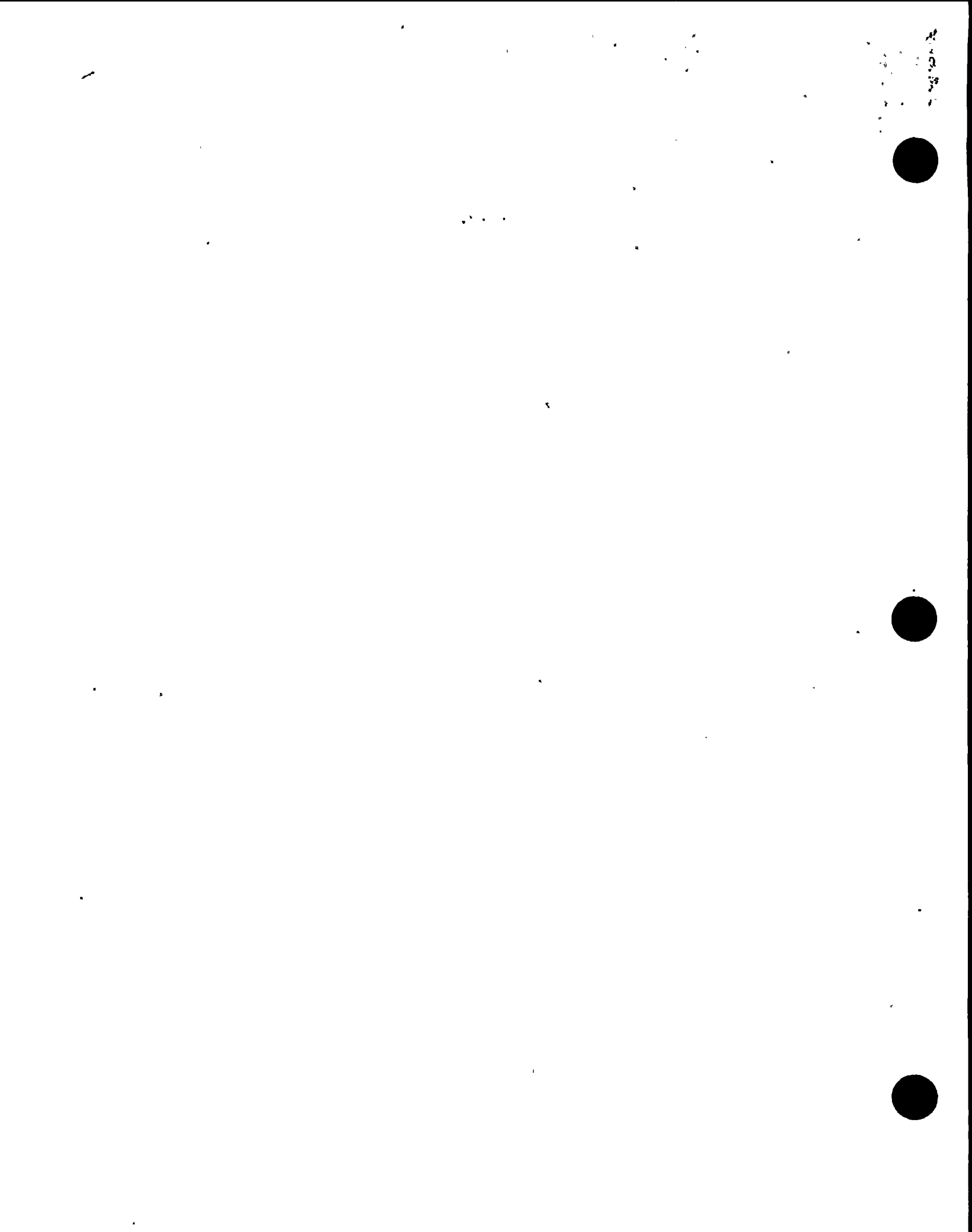
7. Cap Screw 117C4516P2
SA193-B6
6 ea. 1/2 dia. on 4 1/8" bolt circle

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



ATTACHMENT TO
FORM N-2 MANUFACTURER'S DATA REPORT

00007209477



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 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-11
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 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

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)
22-27	General Electric	71-729	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-02662-11 at core location 22-27.

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 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 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. 71-729 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed *Steve Sit* 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 11/21/96 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.

Lynn D. Orderson Commissions NB 9496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

FORM N-2 NPT CERTIFICATE HOLDER DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As Issued By: ASME Division III, Section III, Division 1

(a) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.

(b) Manufactured for General Electric Company, San Jose, Ca., (NEBC)

(c) Manufacturer's Certificate Holder's Serial No. of Part A5070 Nat'l Bd. No. 1361-2

(d) Commercial According to Drawing No. 76LK387C008 Drawing Prepared by D. L. PATTERSON

(e) Description of Part Inspected Control Rod Driver Model #7RDB144CG005

(f) Applicable ASME Code Section III, Edition 1971 Addenda N-72 Case No. 1361-2 Class 1

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

Total number of sheets - 2

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 NPT Certificate Holder for appurtenance (is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the Applicable Design Specification and Stress Report.)

Date 7/13 19 82 Signed GE, NKP-D-3RD-QA in Witness Whereof By [Signature]

Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Stress analysis report on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA

Design specifications certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

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 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 7/13 19 82 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.

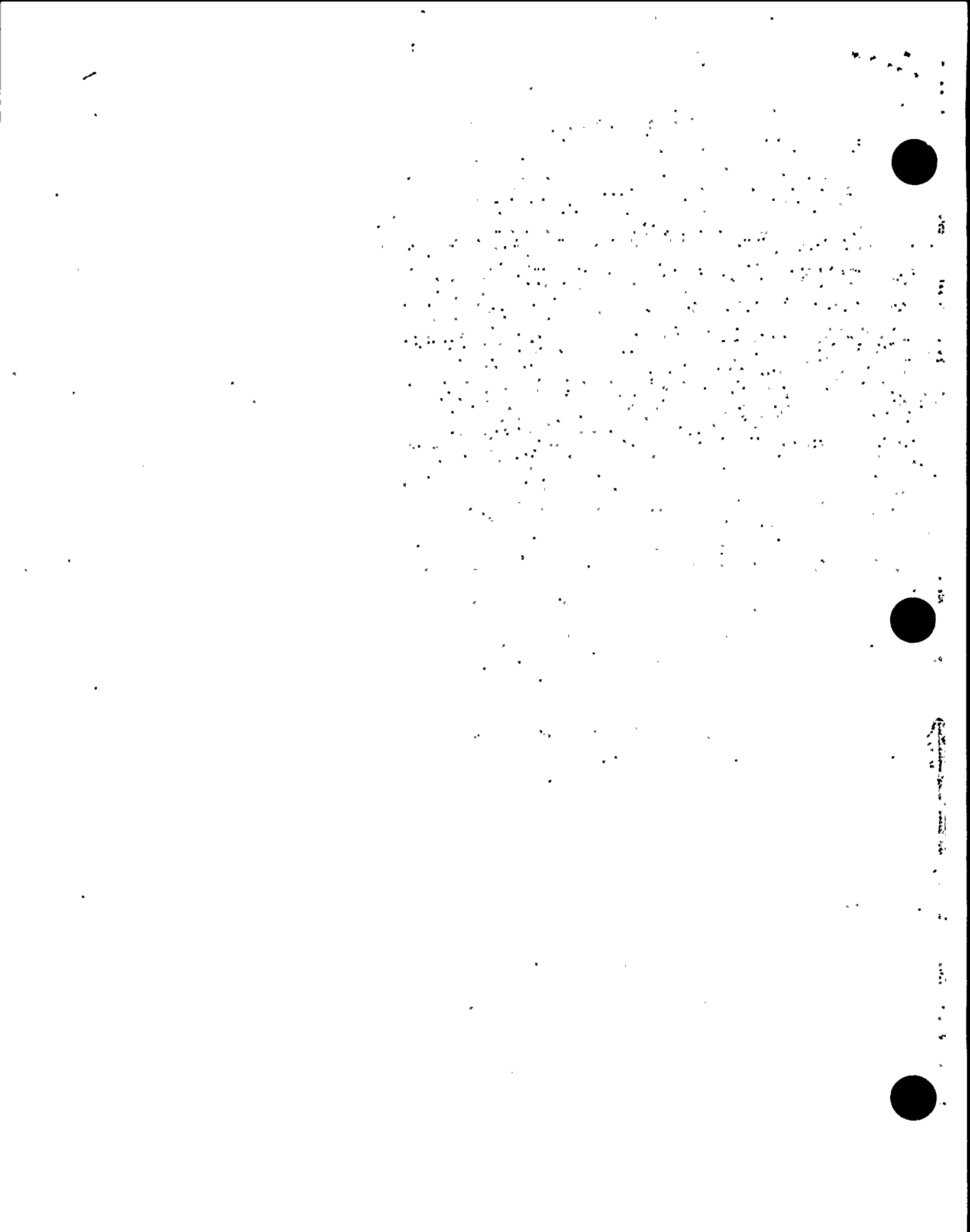
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss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

Date 7/13 19 82

[Signature] Inspector's Signature

"SUPPLEMENTAL"
N.C. 723, PA.WC1766, OHIO

Commissions _____ National Board, State, Province and No. _____



Items 7-10 to be completed for shell of heat exchangers.

7. Jacket: Material (Kind & Spec. No.) (Min. & Max. Range Specified) T.S. Thickness in. Dia. (Subject to pressure) Attachment (Welded, Bolted)

8. Design pressure? psi at _____ of _____ at temp. of _____ of _____

Items 9 and 10 to be completed for tube section of exchanger.

9. Tube Sheet: Stationary: Material (Kind & Spec. No.) T.S. Thickness in. Attachment (Welded, Bolted)

10. Tube: Material (Kind & Spec. No.) (Min. & Max. Range Specified) T.S. Thickness in. Dia. Length ft. In. Efficiency of Autodiffusion Exp. (Where & How)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material (Kind & Spec. No.) (Min. & Max. Range Specified) T.S. Thickness in. Dia. Length ft. In. Efficiency of Autodiffusion Exp. (Where & How)

12. Seams: Long T.S. Efficiency of Autodiffusion Exp. (Where & How)

13. Heads (a) Material (Kind & Spec. No.) (Min. & Max. Range Specified) T.S. Thickness in. Dia. Length ft. In. Efficiency of Autodiffusion Exp. (Where & How)

14. Design pressure? psi at _____ of _____ at temp. of _____ of _____

Items below to be completed for all vessels where applicable.

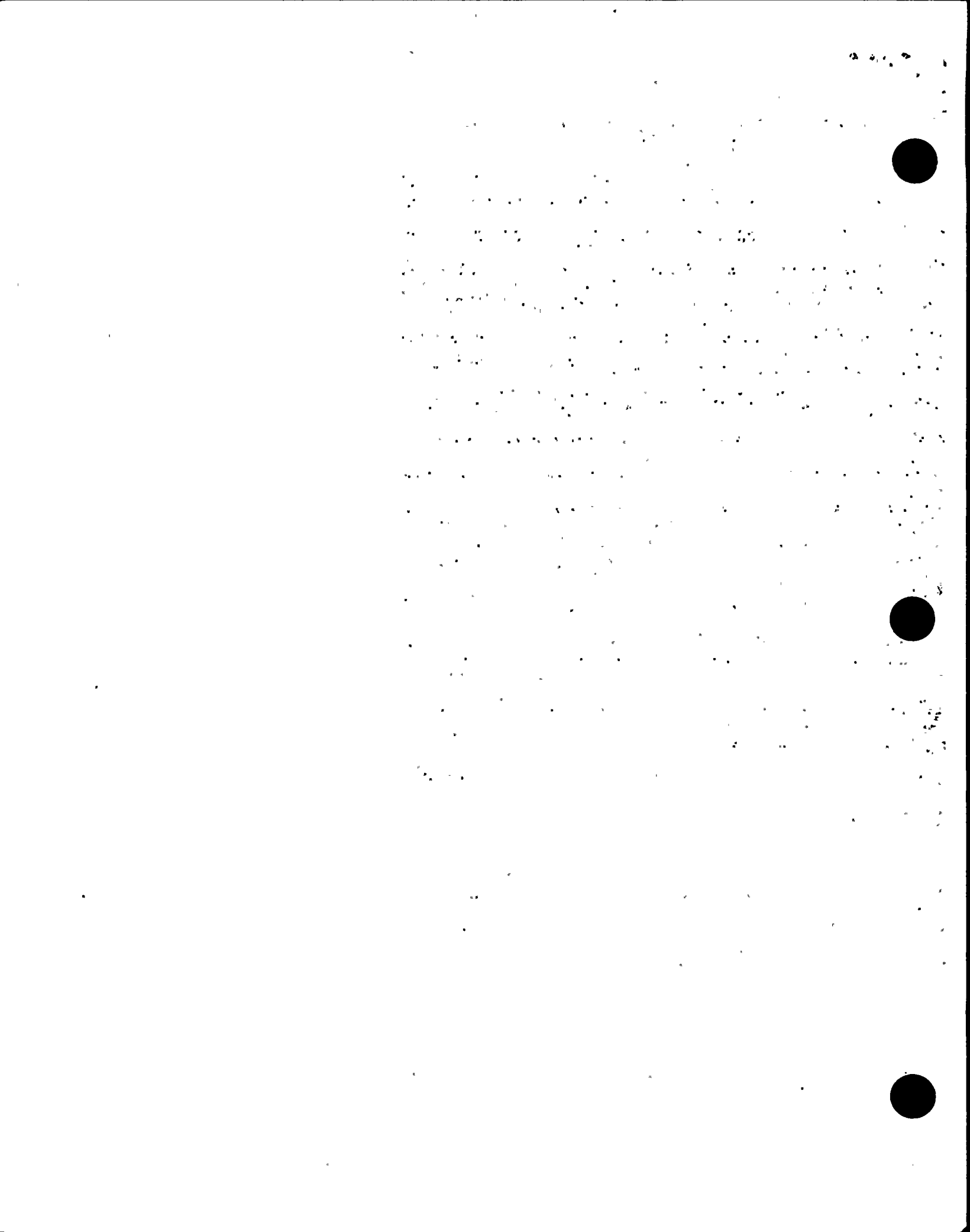
15. Safety-Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) Number _____ Dia. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____

17. Inspection Manholes: No. _____ Size _____ Location _____ Openings: Handholes, No. _____ Size _____ Location _____ Threaded, No. _____ Size _____ Location _____

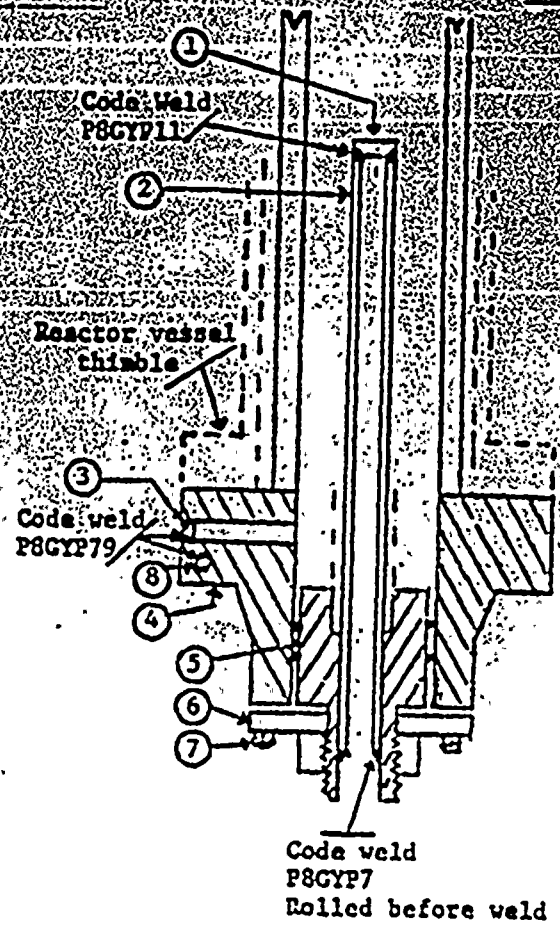
18. Supports: Skirt (Yes or No) Lugs (Number) _____ Legs (Number) _____ Other (Describe) _____ Attached (Where & How) _____

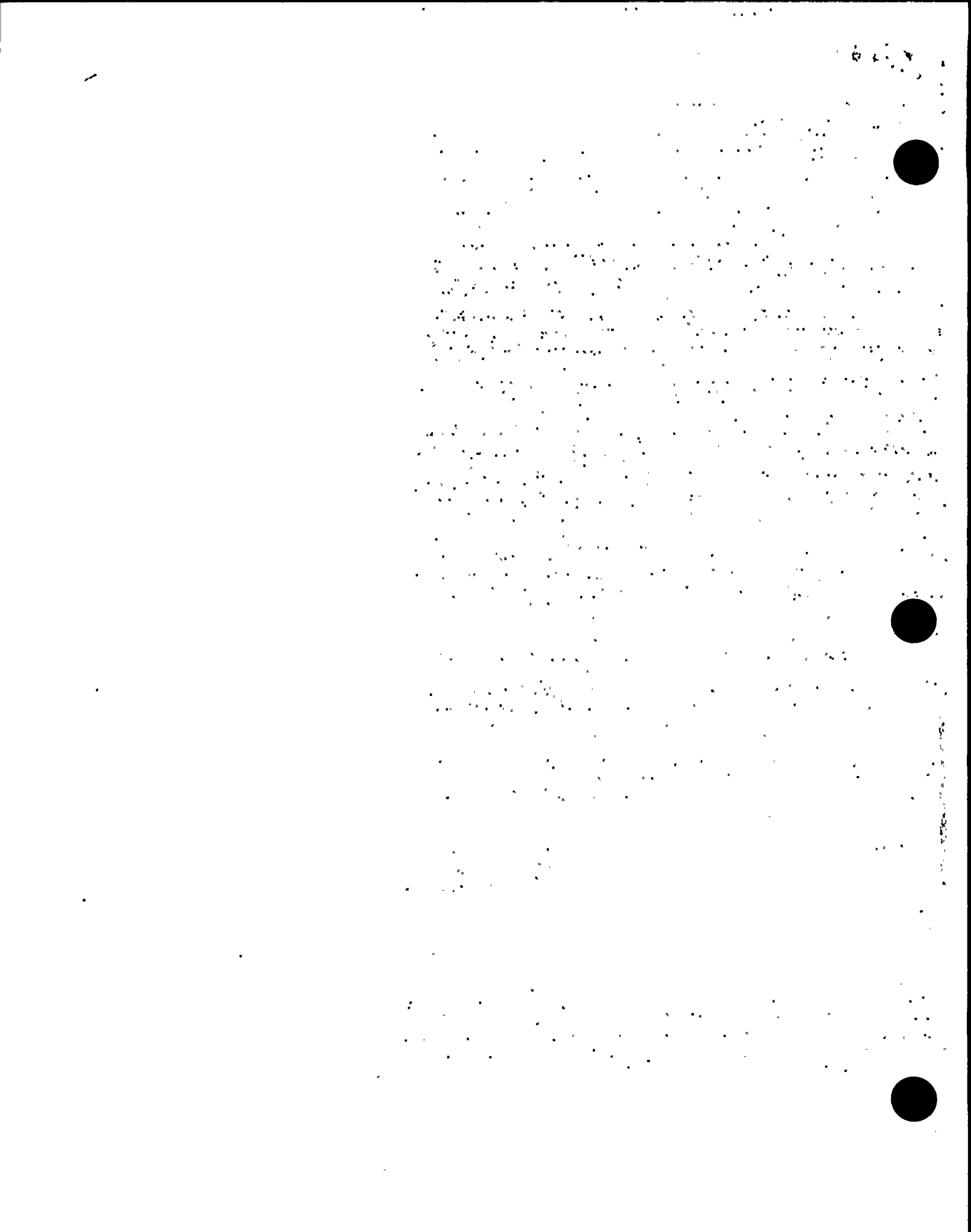
* If Postweld Heat-Treated, list temp. and time of treatment. List other internal or external pressure with coincident temperature when applicable.



1. (a) Manufacturer by General Electric Co., 1205 Chesapeake Ave., Wilmington, N.C.
 (b) Manufacturer by General Electric Co., San Jose, CA, (GEBO)
 (c) Manufacturer by General Electric Co., San Jose, CA, (GEBO)
2. Manufacturer-Critical Section 1 Serial No. of Part A5070 Part No. _____
 (a) Constructed According to Drawing No. 761387G008 Drawing Prepared by D. L. Paterson
 (b) Description of Part Issued Control Rod Drive, Model 7RDB144CG005
 (c) Applicable ASME Code Section III, Edition 1971 Addenda date 4/72 Case No. 1361-2 Class 1
3. Remarks: Standard part for use with reactor, hydrostatically tested at 1820 psi.
 (State description of service for which component was designed)

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8" thick x 1 1/16" OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1 (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-B6
 6 ea. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38" thick x 1.307 dia.





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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04373-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 22-47	General Electric	71-337	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

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 96-04373-00 at core location 22-47.

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 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. 1-2.01-97-0064 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. G. Selen FRS S. DOT 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 NEW YORK and employed by ARKWRIGHT of MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/15/96 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.

Tom O. Anderson Commissions NO 8446 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 1997

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) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder)
- (b) Manufactured for General Electric Company, San Jose, Ca., (NEBG)
(Name and address of N Certificate Holder for completed nuclear component)
A5708
- 2. Identification-Certificate Holder's Serial No. of Part _____ Nat'l Bd. No. _____
- (a) Constructed According to Drawing No. 761E387G008 Drawing Prepared by D. L. Peterson
- (b) Description of Part Inspected Control Rod Drive Model #7RDB144CG005
- (c) Applicable ASME Code: Section III, Edition 1971, Addenda date W'72, Case No. 1361-2 Class 1
- 3. Remarks: Standard part for use with Reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

* Total number of sheets - 2

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 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 included in the component Design Specification and Stress Report.)

Date 5/21 19 82 Signed GE, NEPD-WMD-QA By J. Ottobene
(NPT Certificate Holder)
Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. NPT N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
Stress analysis report on file at GENERAL ELECTRIC CO., SAN JOSE, CALIFORNIA
Design specifications certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345
Stress analysis report certified by B. N. Sridhar Prof. Eng. State Calif Reg. No. 18345

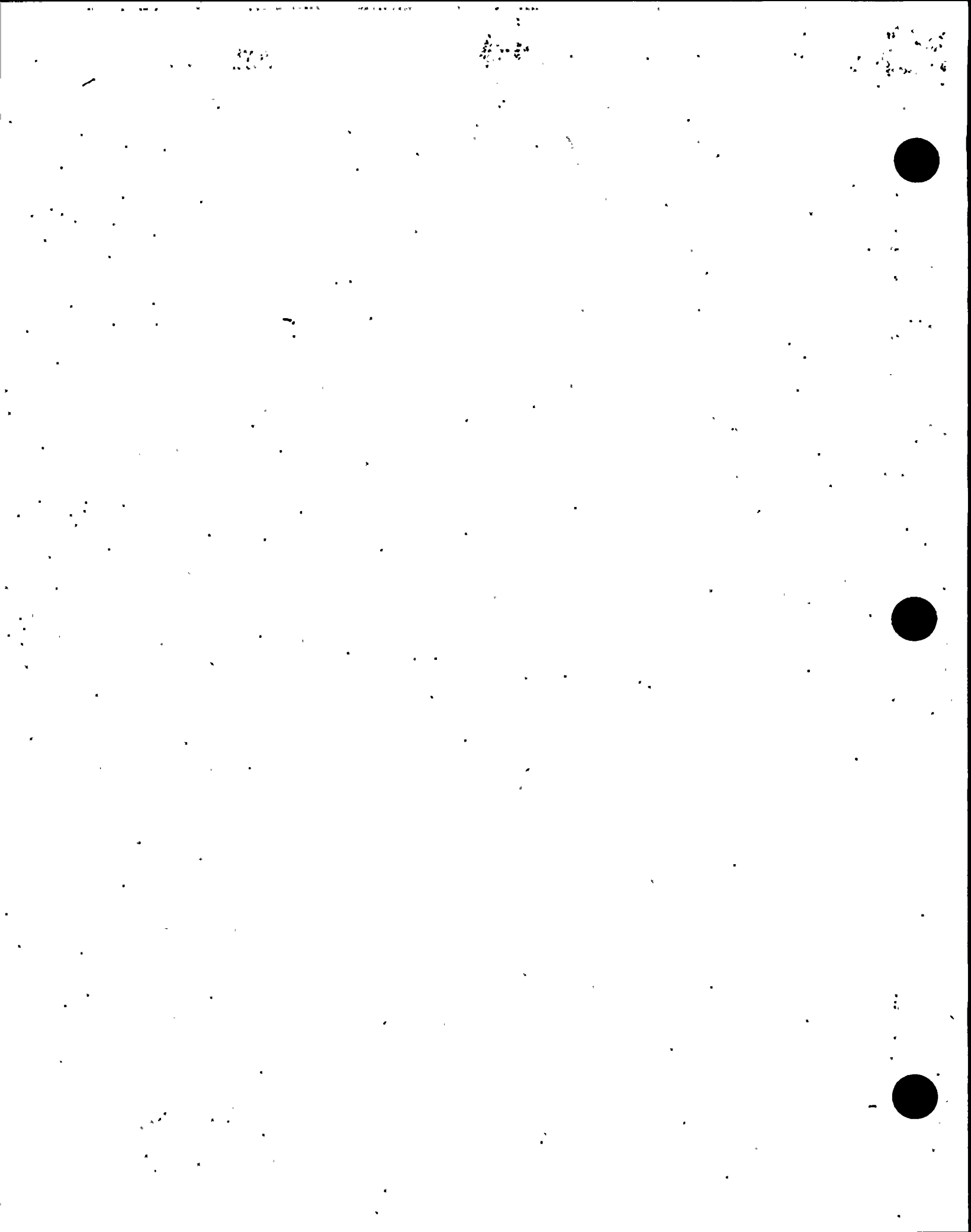
CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State 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 5/21 19 82 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, 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 5/21 19 82
E. S. Sheppard Inspector's Signature
Commissions N.C. 723, PA. WC1766, OHIO
National Board, State, Province and No.

SUPPLEMENTAL

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1-2 on this Data Report is repeated on each sheet, and (3) each sheet is numbered and number of sheets is provided in item 3, "Remarks"



FORM N-2 (back)

Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in. (Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) _____

(b) _____

If removable, bolts used _____ Other fastening _____ (Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____ (Describe an edge and weld, bar, etc. if bar give dimensions, if bolted, describe or sketch)

8. Design pressure² 1250 psi at 575 °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____ (Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____ (Spiral, U.I.)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in. (Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends _____

(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____ (Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Table with columns: Purpose (Inlet, Outlet, Drain), Number, Dia. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____ Openings: Handholes, No. _____ Size _____ Location _____ Threaded, No. _____ Size _____ Location _____

19. Supports: Skirt _____ Lugs _____ (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) Attached _____ (Where & How)

¹ If Postweld Heat-Treated. ² List other internal or external pressure with coincident temperature when applicable.

44

44

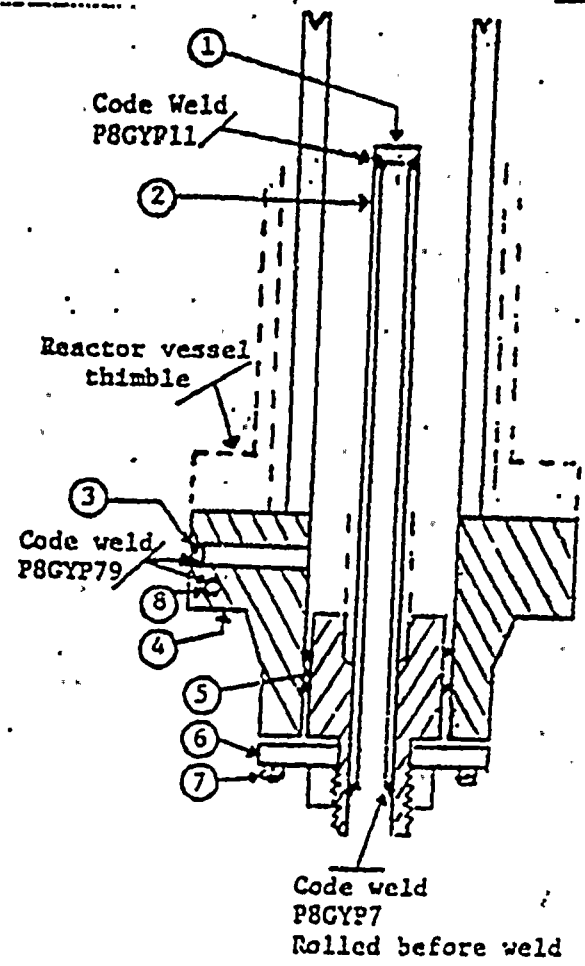


FORM N-3 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder)
 (b) Manufactured for General Electric Co., San Jose, Ca., (NEBG)
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part A5708 Nat'l Bd. No. _____
- (a) Constructed According to Drawing No. 761E387G008 Drawing Prepared by D. L. Peterson
- (b) Description of Part Inspected Control Rod Drive, Model, 7RDB144CG005
- (c) Applicable ASME Code Section III, Edition 1971, Addenda date W'72, Case No. 1361-2 Class 1
3. Remarks: Standard part for use with Reactor. Hydrostatically tested at 1820 psi.
(Brief description of service for which component was designed)

- 0 1 4 3 0
1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P03
 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
4. Flange 919D610P1 (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-B6
 6 ea. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.



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 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04374-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 26-03	General Electric	71-336	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04374-00 at core location 26-03.

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 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.

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.

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 [Signature] 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 11/15/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U O I 2 5 2
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 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 Signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in the manufacturer's partial data report on 19 67 and state that to the best of my knowledge and belief, the manufacturer has constructed this part 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 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 July 25, 1967

ALNES

- 71: - 334, 337, 338, 341, 348, 349, 368, 390, 399, 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, 501, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 716

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THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 OF AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press.¹ _____ 1250 _____ psi at max. temp. _____ 575 _____ °F. less than -20°² _____ °F. Min. temp. (when)

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Kind & Spec. No.)

11. TUBES: Material _____ (S.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

If riveted describe seams fully on reverse side of form.

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press.¹ _____ psi at max. temp. _____ °F. less than -20°² _____ °F. Min. temp. (when)

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

7. INSPECTION MANHOLES, No. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

8. SUPPORTS: Skirt _____ (Yes or No) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

¹If jacketed heat-treated.
²Limit in item 9 other internal or external pressures with conventional temperature when applicable.

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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(Name and address of manufacturer of boiler or vessel) NIAGARA MOHAWK UNIT

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 373, 379, 498, 453, 538, 541, 549, 551, 561, 655, 671

(a) Constructed According to Blueprint No. 237E179 GI ^{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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date July 31^e 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-31-67 19 67
[Signature] Inspector's Signature
 Commission Cal 736 Nat'l Board or State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. Diam. Ft. In. Length Ft. In.

SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S.

Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave) (a) (b) If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAY BOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment (Welded, Bolted) Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness Inches or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave) (a) Top, bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OR RELIEFS: Number Size Location

17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached

18. INSPECTION Manholes, No. Size Location Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Yes or No) Trusses (Yes or No) Other (Describe) Attached (Where & T)

If post-weld heat treated, list under item 3 other internal or external pressures with ambient 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 Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagra Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

2. Identification—Manufacturer's Serial No. of Part 71: - (484), (535)

(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

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. by J. W. Fisher
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 9-11-67 19 67
J. W. Fisher Inspector's Signature Commission 62706
National Board of Boiler and Pressure Vessel Inspectors

SEP 13 1967

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FORM 11-2 (back)
THIS FORM NOT APPLICABLE TO SEE BLUEPRINT 257E1795G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

5. BEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES:

Depose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Type or No. _____ Lugs _____ (Number) _____ Lugs _____ (Number) _____ Other _____ Attached _____
(Describe)

If preweld heat treated, list under item 1 other internal or external pressure with minimum temperature when applicable.



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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03846-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 26-27	General Electric	71-612	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-03846-00 at core location 26-27.

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 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.

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 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 Steve Dot 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 4/21/96 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.

John W. Anderson Commissions ND 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U. S. 2 5.2
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 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 partial data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection.

Date July 25 1967

Inspector

Commissioner of Industrial Safety

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Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

BEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

If riveted describe seams fully on reverse side of form.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary, Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating, Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

BEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

If riveted describe seams fully on reverse side of form.

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

7. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

8. INSPECTION MANHOLES, No. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

7. SUPPORTS: Skirt _____ (Yes or No) _____ Other _____ Attached _____
 (Material) (Size) (Number) (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form.
 1. List under item 7 other internal or external pressures with corresponding temperature when applicable.

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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(Name and address of manufacturer of boiler or vessel) Niagra Mohawk Unit

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 373, 379, 498, 453, 538, 541, 549, 551, 561, 655, 67

(a) Constructed According to Blueprint 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date July 31 19 67 Signed General Electric Co. (Manufacturer) By [Signature] (Representative)

Certificate of Authorization Expires December 31 19 67

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and for 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 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 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 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 4-13 19 67
[Signature] Inspector's Signature Commission Cal 756 Nat'l Board or State and No.

11



U U . FORM 4-2 (NACM)
THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material T.S. Nominal Thickness in. Corrosion Allowance in. In. Diam. Ft. In. Length Ft. In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long H.T. X.R. Sectioned Efficiency %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(b) <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

If removable, bolts used Other fastening
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: If hollow Attachment Pitch X Diam.
(Material) (Size of Hole) (Threaded, Welded) (Horse.) (Vert.) (Nominal)

8. JACKET CLOSURE:
(Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material Diam. In. Thickness In. Attachment
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material Diam. In. Thickness In. Attachment
(Kind & Spec. No.)

11. TUBES: Material (Kind & Spec. No.) I.D. In. Thickness Inches or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

SHELL: Material T.S. Nominal Thickness in. Corrosion Allowance in. In. Diam. Ft. In. Length Ft. In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long H.T. X.R. Sectioned Efficiency %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(b) Channel <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(c) Floating <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

If removable, bolts used (a) (b) (c) Other fastening
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °F.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE ORIFICES: Number Size Location

17. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

18. INSPECTION Manholes, No. Size Location
 Handholes, No. Size Location
 Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) Legs (Number) Other (Describe) Attached (Where & How)

If postweld heat-treated. List under item 3 other internal or external pressures with coincident 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 Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date August 8 19 67 Signed General Electric Co. By [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 9-11-67 19 67
[Signature] Inspector's signature Commission [Signature] National Board of State and N.

SEP 13 1967

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THIS FORM NOT APPLICABLE TO **FORM 11-2 (back)** SEE BLUEPRINT **237E1795G1** AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In. (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.) Corrosion

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ % (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____ (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____ (Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____ (Describe or give weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. Allowable working press. **1250** psi at max. temp. **575** °F. Min. temp. (when less than -20°) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____ (Welded, bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____ (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.) Corrosion

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ % (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____ (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____ Handholes, No. _____ Size _____ Location _____ Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Type or No. _____ Lugs _____ (Material) _____ Lugs _____ (Material) _____ Other _____ Attached _____ (Where)

If possible heat treated. List under item 1 other internal or external pressures with corresponding temperatures when applicable.

11



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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-04
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
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 26-39	General Electric	71-646	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

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 96-02662-04 at core location 26-39.

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 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.

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 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 G. Lukan, For S. DOTY, MANAGER MAINT-01 Date 7/29, 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 11/19/96 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.

Lynn Warden Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 1997

2-17-74



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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(Name and address of manufacturer of boiler or vessel) Niagra Mohawk Unit

2. Identification—Manufacturer's Serial No. of Part 71: -34867, 379, 379, 498, 453, 538, 541, 549, 551, 561, 655, 675

(a) Constructed According to Blueprint 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date July 31 19 67 Signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

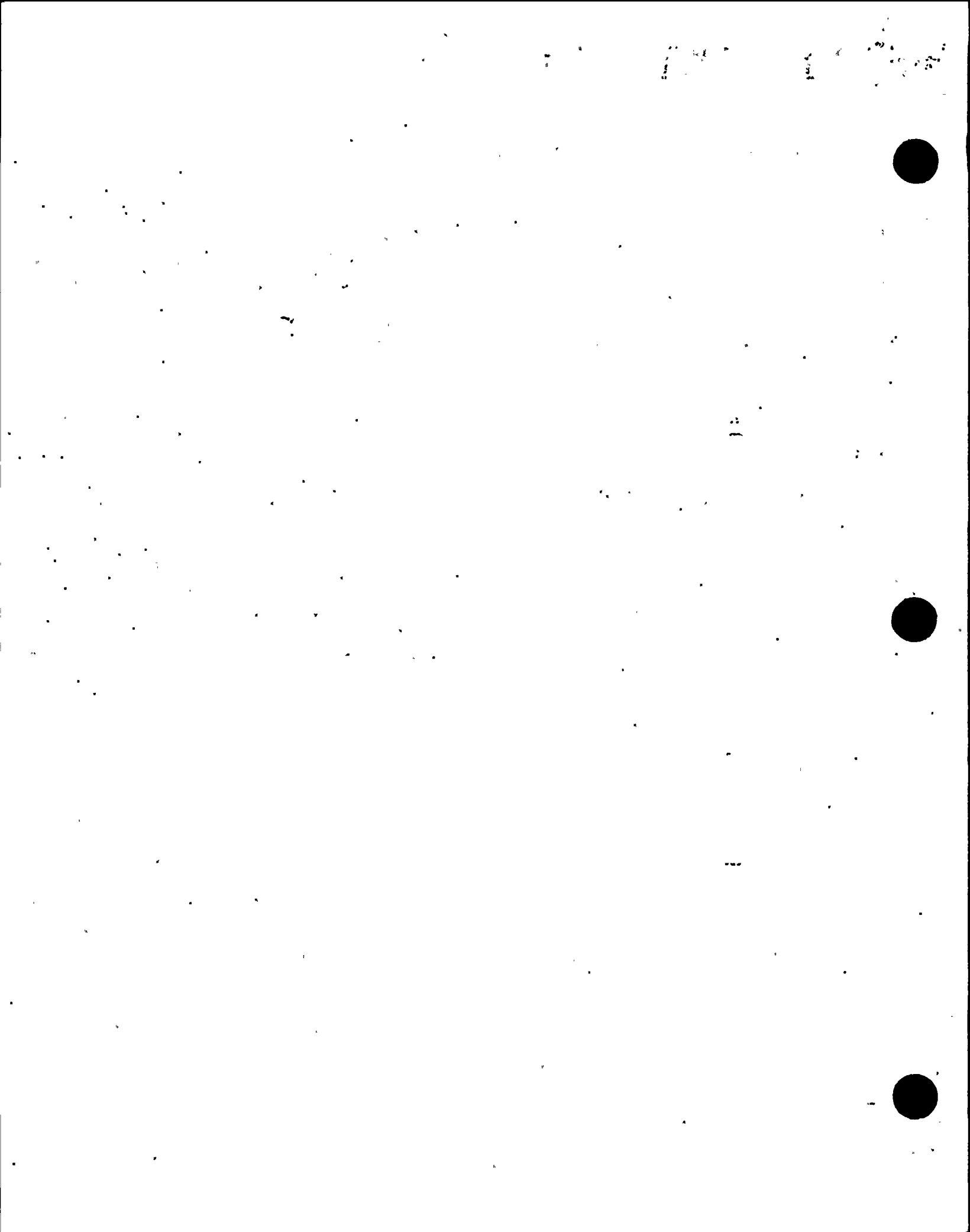
Certificate of Authorization Expires December 31 19 67

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and for 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 the 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 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 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 7-4-67 19 67
[Signature] Inspector's Signature Commission 021706 National Board of State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S.

Table with columns: Location (Top, bottom, ends), Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Central Apex angle, Hemispherical Radius, Flat Diameter, Side to Pressure (Convex or Concave)

If removable, bolts used (Material, Spec. No. T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAYBOLTS: (Material) If hollow Attachment (Threaded, Welded) Pitch (Hori.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as cover & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. (Subject to Pressure) In. Thickness In. Attachment (Welded, Bolted) Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness Inches or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Table with columns: Location (Top, bottom, ends), Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Central Apex angle, Hemispherical Radius, Flat Diameter, Side to Pressure (Convex or Concave)

If removable, bolts used (a) (Material, Spec. No. T.S., Size, Number) (b) (c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °F

Items below to be completed for all vessels where applicable.

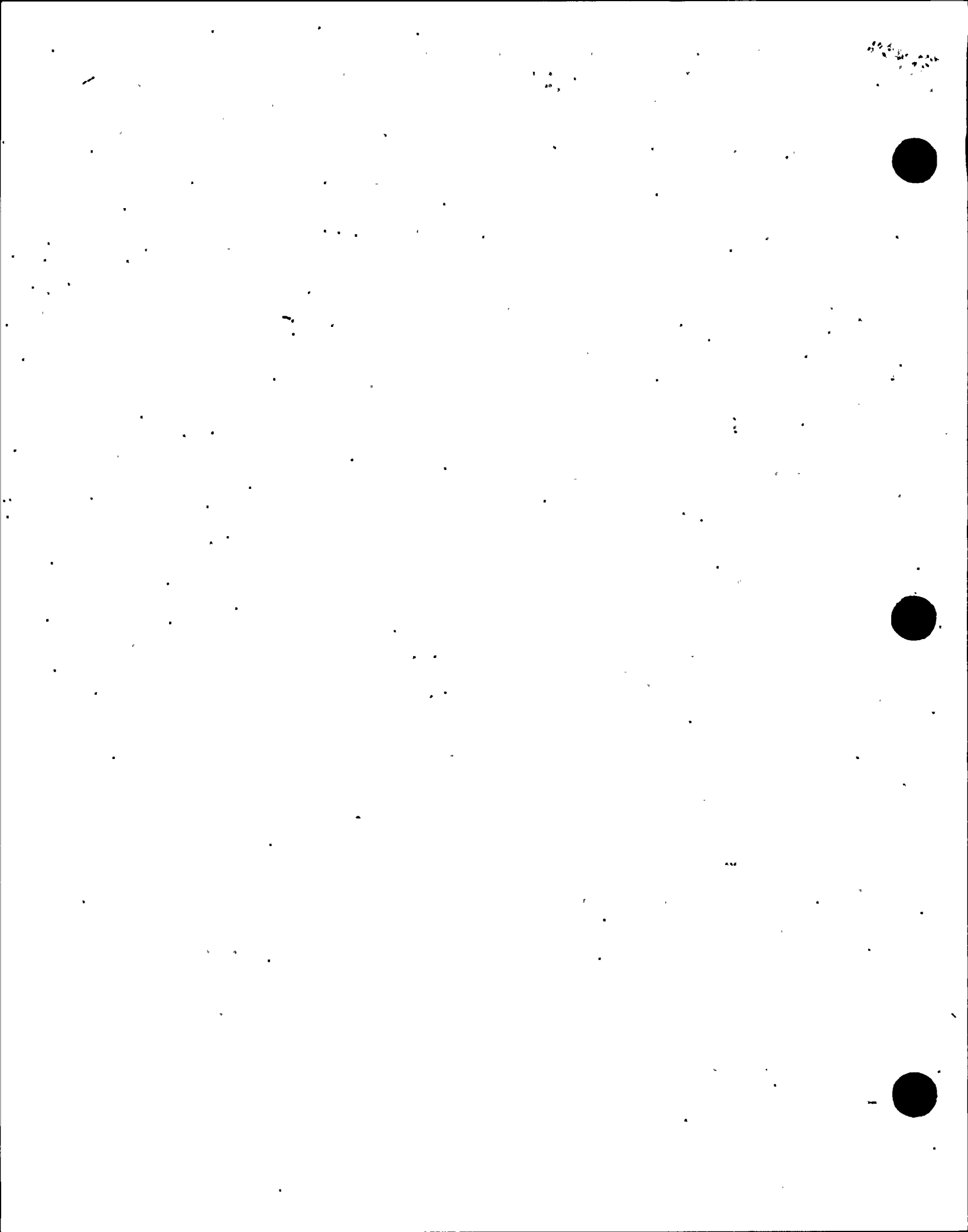
16. SAFETY VALVE OUTLETS: Number Size Location

Table with columns: Nozzle (Purpose, Inlet, Outlet, Inlet), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION MANHOLES, No. Size Location HANDHOLES: Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Material) (Welded) (Other) (Material) Attached (Where & I)

If post-weld heat-treated. List under item 3 other internal or external pressures with consistent temperature when applicable.



00444 0256

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
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagra Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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 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.

On August 8 19 67 signed General Electric Co. by W. J. Fisher
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11-67 19 67

W. J. Fisher
Inspector's Signature

Commission 502736
N.B. Board or State and No.

SEP 13 1967

FORM U-2 (back)
THIS FORM NOT APPLICABLE TO SEE BLUEPRINT 257E1795G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

11. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Concave or Convex)
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as eggs & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Concave or Convex)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES:

Diagnose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

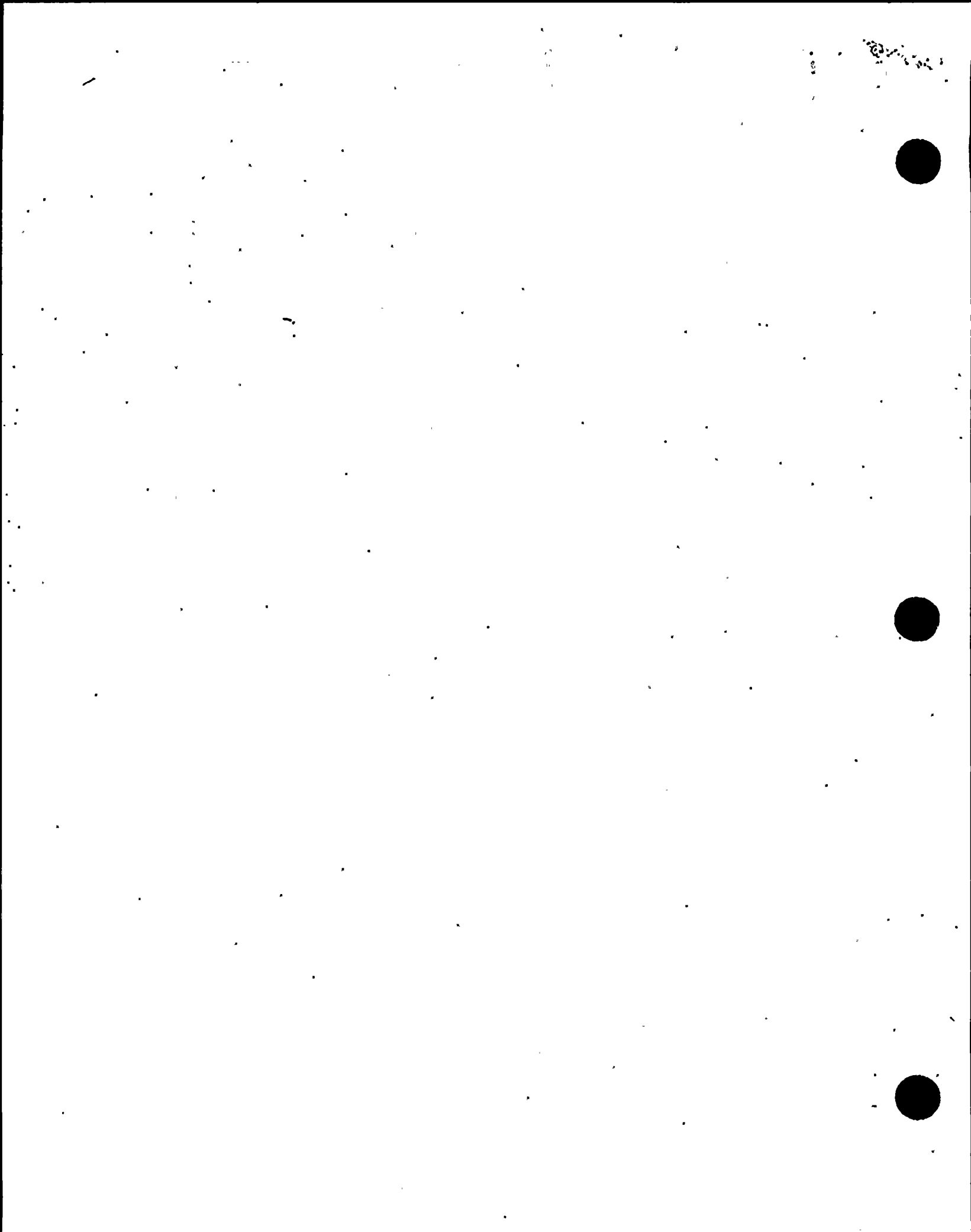
18. INSPECTION MANHOLES, No. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Type or No. _____ Legs _____ Attached _____
(Material) (Describe)

If postweld heat treated.
 1. For water vessels other internal or external pressures with reboilment temperatures when applicable.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 2372179 OF AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ (O.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

If riveted describe seams fully on reverse side of form.

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

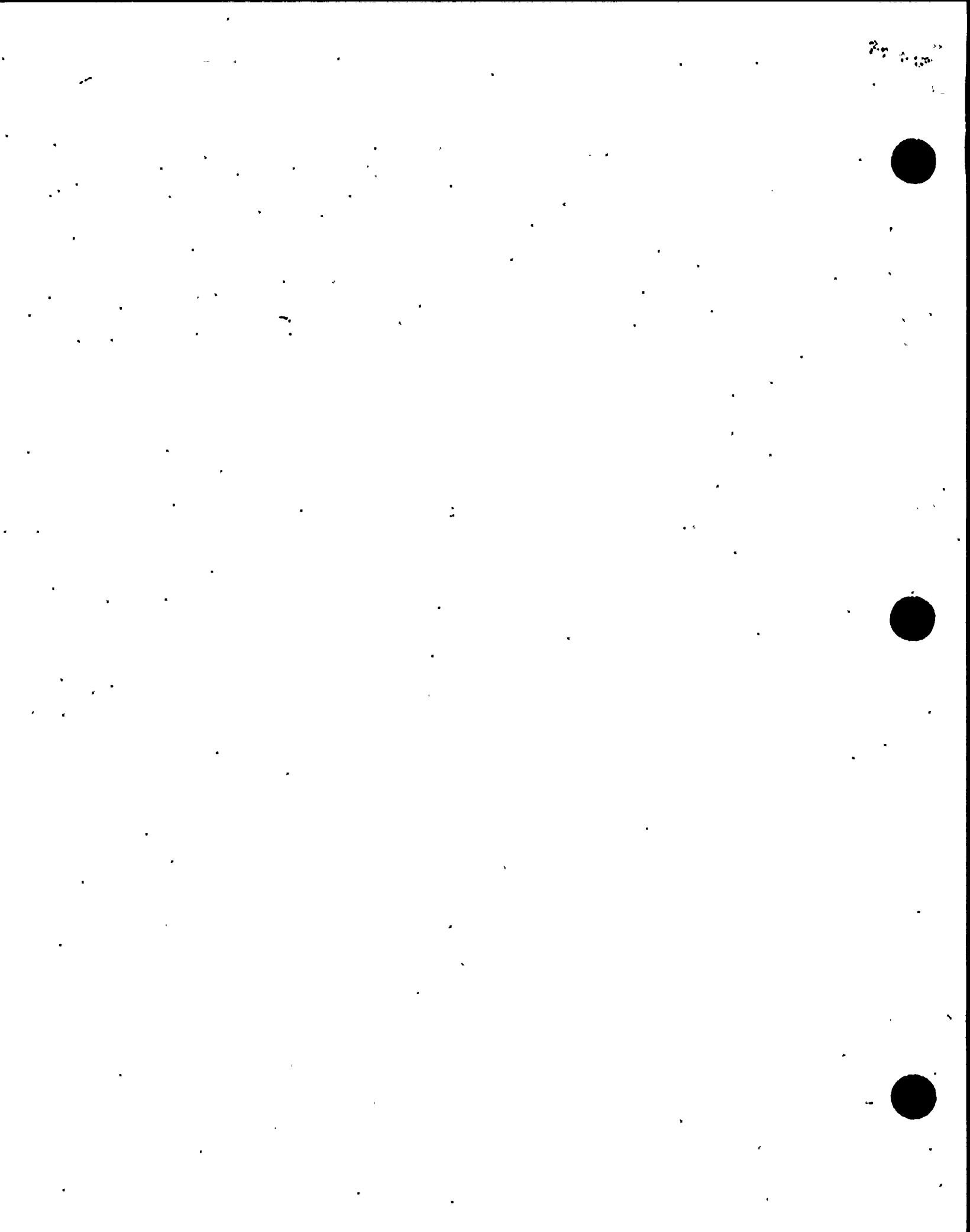
6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

7. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

8. SUPPORTS: Skirt _____ Legs _____ Other _____ Attached _____
(Yes or No) (Material) (Number) (Describe or Attach Sketch)

¹ If pressure not hydro-treated.
² List on the item 3 other internal or external pressures with corresponding temperature when applicable.



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 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04379-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 26-51	General Electric	9295	N/A	NC02 CLASS 1	1979	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04379-00 at core location 26-51.

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 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.

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 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 [Signature] Maint Manager Date 7-27, 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 11/15/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

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) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
(Name and address of NPT Certificate Holder)

(b) Manufactured for General Electric Co., San Jose, Calif. (NEBG)
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part A5079 Nat'l Bd. No. _____

(a) Constructed According to Drawing No. 919D258G003 Drawing Prepared by D. L. Peterson

(b) Description of Part Inspected Cylinder Tube and Flange

(c) Applicable ASME Code: Section III, Edition 1971, Addenda date S'73, Case No. 1361-2 Class 1

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

Hydrostatically tested at 1825 psi.

* Number of sheets - 2

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 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 included in the component Design Specification and Stress Report.)

Date 12/28 19 82 Signed GE-NEPD-WMD-EM By J. Estridenmici
(NPT Certificate Holder)

Certificate of Authorization Expires June 16, 1984 Certificate of Authorization No. N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at GENERAL ELECTRIC CO., SAN JOSE, CALIF.

Stress analysis report on file at GENERAL ELECTRIC CO., SAN JOSE, CALIF.

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

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 or Province of North Carolina and employed by Dept of Labor of State of North Carolina have inspected the part of a pressure vessel described in this Partial Data Report on 12/28 19 82 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, 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 12/28 19 82

W. J. Steelman Commissions N.C. 687, PA.WC2711
Inspector's Signature National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 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)

Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press.
(Top, bottom, ends) (Conv. or Conc.)

(a) _____

(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bargive dimensions, if bolted, describe or sketch)

8. Design pressure² _____ 1250 _____ psi at _____ 575 _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press.
(Conv. or Conc.)

(a) Top, bottom, ends _____

(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement 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 _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

¹ If Postweld Heat-Treated.

² at 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

(a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington N.C.

(Name and address of NPT Certificate Holder)

(b) Manufactured for GENERAL ELECTRIC CO., SAN JOSE, CA., (NEBG)

(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part A5079 Nat'l Bd. No. _____

(a) Constructed According to Drawing No. 919D258G003 Drawing Prepared by D. L. Peterson

(b) Description of Part Inspected Cylinder Tube and Flange

(c) Applicable ASME Code: Section III, Edition 1971, Addenda date S'73, Case No. 1361-2 Class 1

3. Remarks: Standard part for use with reactor. Hydrostatically tested at 1825 psi.
(Brief description of service for which component was designed)

* Number of sheets - 2

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

2. 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

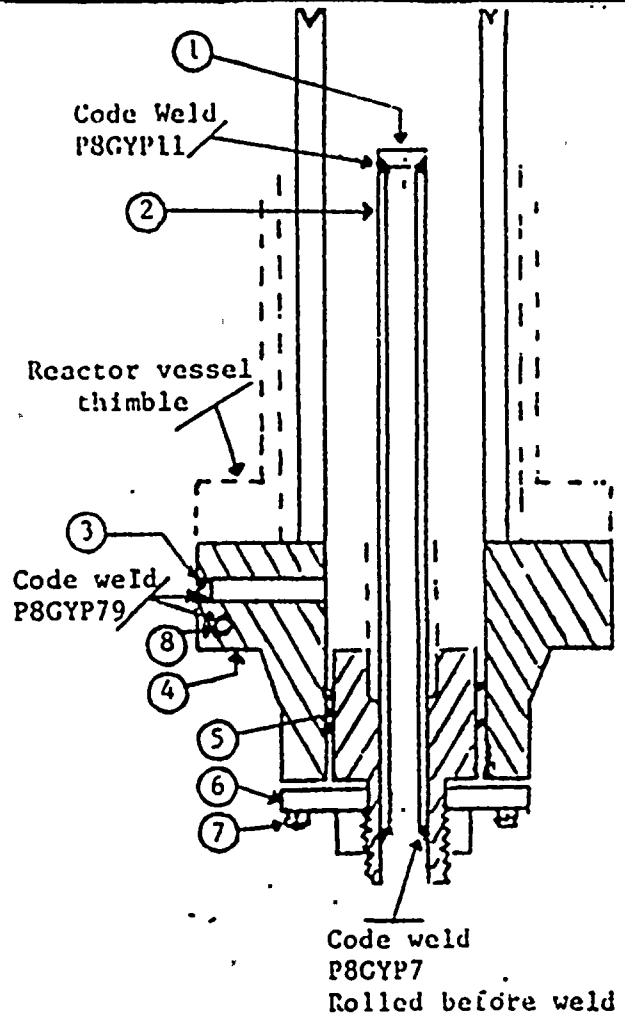
4. Flange 919D610P1 (719E474)
SA182-F304
3.37 thick x 9 5/8 OD
neck 1 1/16 thick x 5.0 OD
2.875 ID

5. Head 129B3539P1
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.



10-1-52



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 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-08
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 30-11	General Electric	71-596	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-02662-08 at core location 30-11.

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 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.

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] Plant 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 11/19/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 1997

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

As required by the Provisions of the ASME Code Rules

1. Altered by General Electric Co., Castle Hayne Rd., Wilmington, N. C.
 (Name and address of Manufacturer of part)

(a) Manufactured for General Electric Co., San Jose, California
 (Name and address of Manufacturer of completed nuclear component)

2. Identification-Manufacturer's Serial No. of Part 7092 Nat'l Bd. No. _____

(a) Constructed According to Drawing No. 761E387G4 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 No. 1361 Class I

3. Remarks: Originally manufactured by General Electric "See attached Data Report."
 (Brief 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.

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.)

Date 12-21 19 77 Signed GE, NEPD-WMD-EM By [Signature]
 (Manufacturer)

Certificate of Authorization Expires June 16, 1978 Certificate of Authorization No. NPT-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at General Electric Co., NEPD-WMD-EMO, Castle Hayne Rd., Wilmington, N. C.

Stress analysis report on file at General Electric Co., NEPD-WMD-EMO, Castle Hayne Rd., Wilmington, N.C.

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

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 or Province of N. 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 12-21 19 77 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 12-21 19 77

[Signature] Inspector's Signature Commission NC 723, PA NC 1776, Ohio
 National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in Items 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"

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Items 1-10 to be completed for shells of vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material SA-516 Nominal Thickness 1/2 in. Corrosion Allowance 0 in. Dia. 36 in. Length 100 ft. in.

5. Seams: Long H.T. Efficiency 100 %

6. Heads: (a) Material SA-516 T.S. 36000 (b) Material SA-516 T.S. 36000

Location Thickness Radius Crown Knuckle Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter (Conv. or Conc.)

(a) Top, bottom, ends (b) Channel

If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)

7. Jacket: Jacketing (Describe as coat and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure 1275 psi at 575 °F Drop Weight 10 ft-lb Charpy Impact 10 ft-lb at temp. of 575 °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary: Material SA-516 Dia. 36 in. Thickness 1/2 in. Attachment Welded

10. Tubes: Material SA-516 Dia. 1.315 in. Thickness 1/8 in. Attachment Welded

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material SA-516 T.S. 36000 Nominal Thickness 1/2 in. Corrosion Allowance 0 in. Dia. 36 in. Length 100 ft. in.

12. Seams: Long H.T. Efficiency 100 %

13. Heads: (a) Material SA-516 T.S. 36000 (b) Material SA-516 T.S. 36000

Location Thickness Radius Crown Knuckle Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter (Conv. or Conc.)

(a) Top, bottom, ends (b) Channel

If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)

14. Design pressure 1275 psi at 575 °F Drop Weight 10 ft-lb Charpy Impact 10 ft-lb at temp. of 575 °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number 1 Size 2 Location Top

16. Nozzles: Purpose (for inlet, outlet, drain) Number 1 Dia. or Size 2 Type Flange Material SA-516 Thickness 1/2 Reinforcement None Material SA-516 How Attached Welded

17. Inspection Manholes: No. 1 Size 24 Location Top

Openings: Handholes, No. 0 Size 0 Location 0

Threaded, No. 0 Size 0 Location 0

18. Supports: Skirt (Yes or No) Lugs (Number) 0 Legs (Number) 0 Other (Describe) 0 Attached (Where & How) 0

If Post-weld Heat-Treated. List other internal or external pressure with coincident temperature when applicable.

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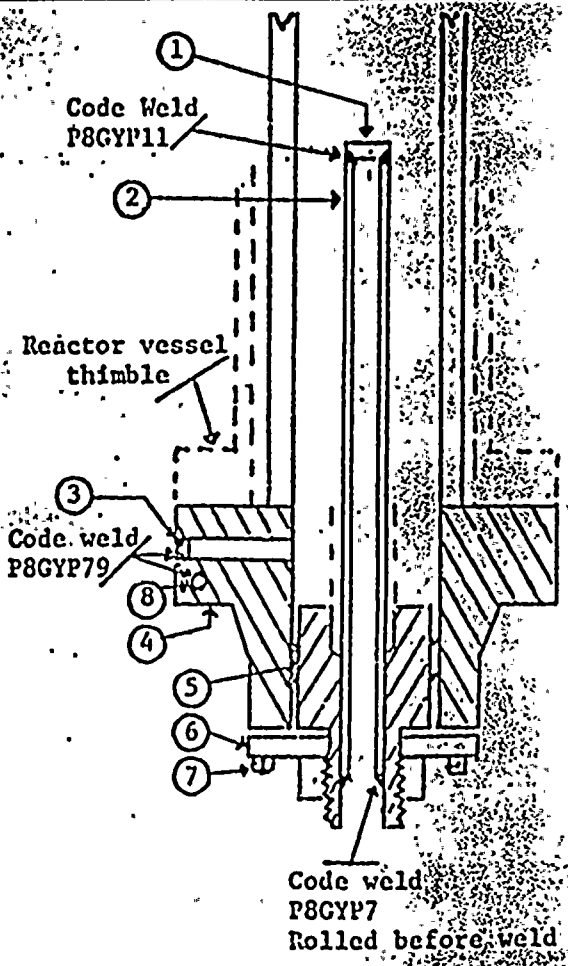
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ASME NUCLEAR VESSEL THIMBLE DRAWING FOR NUCLEAR PART AND APPURTENANCES
 Governed by the Provision of the ASME Code, Rules

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N. C.
 (Name and address of Manufacturer of part)
 (b) Manufactured for General Electric Co., San Jose, California
 (Name and address of Manufacturer of completed nuclear component)
 2. Identification: Manufacturer's S/N ID No. of Part 7092 Nat'l Id. No. _____
 (a) Constructed According to Drawing No. 761E387G4 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 No. 1361 Class 1
 3. 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.

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8" thick x 1 1/16" OD
2. 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
4. Flange 919D610P1 (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 129B3539P1
 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.



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ASME MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rule

(a) Manufactured by General Electric Company, Castle Hayne Rd., Wilmington, N. C.

(b) Manufactured for General Electric Company, San Jose, California

Identification-Manufacturer's Serial No. of Part 7092 Nat'l. Bd. No.

(a) Constructed According to Drawing No. 761E367G2 Drawing Prepared by D. L. Peterson

(b) Description of Part Inspected Control Rod Drive, Model #7RDB144 C1

(c) Applicable ASME Code: Section III, Edition 1971, Addenda date None, Case No. 1361-2, Class 1

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

ORIGINAL DATA REPORT.

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.

Date June 13 1975 Signed GE, BWRSD - REM By Wm. P. Pence

Certificate of Authorization Expires June 20, 1975 Certificate of Authorization No. NPT - 462

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at General Electric Co., BWRSD-REM, Castle Hayne Rd., Wilmington

Stress analysis report on file at General Electric Co., BWRSD-REM, 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

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 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

Manufacturer's Partial Data Report on June 13 1975, 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 June 13 1975

Inspector's Signature

Commissions NC 723, PA. PG 1766, Ohio National Board, State, Province and No.

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Items 4-6 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material (Kind & Spec. No.) (Min. of Range Specified) Nominal Thickness in. Corrosion Allowance in. Dia. in. Length in.

5. Seams: Long H.T. R.T. Efficiency

Glitch H.T. R.T. No. of Courses

6. Heads: (a) Material T.S. (b) Material T.S. Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter (Conv. or Conc.)

(a) (b) If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or attach sketch)

7. Jacket Closure: (Describe as edge and weld, bar, etc. If bolted, describe or sketch) Drop Weight Charpy Impact at temp. of

8. Design pressure 1250 psi at 575 of

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary Material Dia. Thickness Attachment Floating Material Dia. Thickness Attachment

10. Tubes: Material O.D. in. Thickness in. Attachment Type (Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material T.S. Nominal Thickness in. Corrosion Allowance in. Dia. in. Length in.

12. Seams: Long H.T. R.T. Efficiency

Glitch H.T. R.T. No. of Courses

13. Heads: (a) Material T.S. (b) Material T.S. Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter (Conv. or Conc.)

(a) Top, bottom, ends (b) Channel If removable, bolts used (a) (b) (c) Other fastening (Describe or attach sketch)

14. Design pressure psi at of Drop Weight Charpy Impact at temp. of

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number Size Location

16. Nozzles: Purpose (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

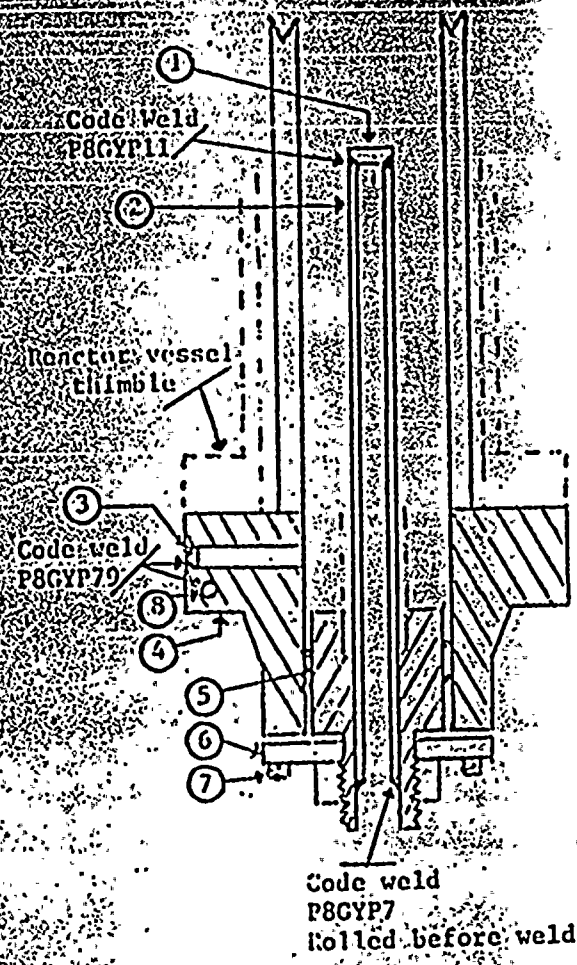
18. Supports: Skirt Lugs Legs Other Attached (Yes or No) (Number) (Number) (Describe) (Where & How)

If Postweld Heat-Treated. List other, internal or external stresses with independent temperature when applicable.

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- 1. Cap 167A2343P1
(167A2343)
SA182-F304
3/8" thick x 1 1/16" OD
- 2. Indicator Tube 104BL336P1
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
- 4. Flange 919D610P1 (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 129B3539P1
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.



ATTACHMENT TO
FORM N-2 MANUFACTURER'S DATA REPORT

12



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 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-12
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
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 30-23	General Electric	71-659	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-02662-12 at core location 30-23.

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 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.

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.

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 [Signature] Mint 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 11/19/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U. S. DEPARTMENT OF COMMERCE
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

129

- (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 July 25, 1967

- 71: -- 334, 337, 338, 341, 348, 349, 368, 394, 399, 410, 417, 419, 428, 430, 434, 436, 440, 442, 449, 457, 462, 463, 464, 468, 471, 472, 473, 474, 475, 476, 480, 488, 494, 497, 500, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 716

SEP-13 1967



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 2372179 OF AND SKETCH

Items 4-9 Incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

If riveted describe seams fully on reverse side of form.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (I.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

13. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

If riveted describe seams fully on reverse side of form.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. INSPECTION MANHOLES, NO. _____ Size _____ Location _____

18. OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ (Yes or No) _____ (Material) _____ (Type) _____ Other _____ (Describe or Attach Sketch)

If material has been treated, list material item & other internal or external processes with component temperature when applicable.

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FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an In-fired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(Name and address of manufacturer of boiler or vessel) NLAGTA MOHAWK UNIT

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 379, 379, 498, 453, 538, 541, 549, 551, 561, 655, 67
612, 750, 525

(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

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 31 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 4-13 19 67
[Signature] Inspector's Signature Commission Cal 736
Cal. Board of State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance In. Corrosion In. Diam. Ft. In. Length Ft. In.

5. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S. Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

(a) (b) If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAY BOLTS: (Material) If hollow (Size of hole) Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment (Welded, Bolted) Floating Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) (P.D.) In. Thickness In. or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance In. Corrosion In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S. Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

(a) Top, bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE ORIFICES: Number Size Location

Table with 8 columns: Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location

19. OPENINGS: Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) Other (Describe) Attached (Where & How)

If postweld heat-treated. List under item 3 other internal or external pressures with ambient 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 Electric Co., APED, 175 Outrner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagra Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date August 8 19 67 Signed General Electric Co. By J. W. Taylor
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 9-11- 19 67
J. W. Taylor Inspector's signature Commission 63706 National Board of State and N.

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THIS FORM NOT APPLICABLE TO **FORM U-2 (back)** SEE BLUEPRINT **257E1795G1** AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, flatted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or UT)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel _____	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Propose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Lugs _____ (Number) _____ Lugs _____ (Number) _____ Other _____ Attached _____
(Type or No.) (Number) (Number)

If postweld heat treated, list under item 9 other internal or external pressures with component temperatures 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. Owner Niagara Mohawk Power Corporation Date March 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04380-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 30-43	General Electric	71-598	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04380-00 at core location 30-43.

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 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.

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed Steve Zeit Plant 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 11/15/96 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.

Tom Carlson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U U 2 5 2
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 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this manufacturer's partial data report on 19 67, and state that to the best of my knowledge and belief, the manufacturer has constructed this part 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 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 July 25 19 67
[Signature]
Inspector

ALNES

- 71: - 334, 337, 338, 341, 348, 349, 368, 390, 399, 410, 417, 419, 428, 430, 434, 436, 440, 442, 449, 457, 462, 463, 464, 468, 471, 472, 473, 474, 475, 476, 480, 488, 494, 497, 500, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 716



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 2372179 OF AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (O.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

3. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form.

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

7. INSPECTION MANHOLES, No. _____ Size _____ Location _____

8. OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

9. SUPPORTS: Skirt _____ (Yes or No) _____ Legs _____ (Number) _____ Other _____ (Describe) Attached _____ (Where & How)

1. If riveted, all heat-treated.
 2. List material item 3 other internal or external processes with construction 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 Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(Name and address of manufacturer of boiler for vessel NIGHTHAWK UNIT)

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 379, 379, 490, 453, 538, 541, 549, 551, 561, 655, 671

(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson
612, 750, 525

(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.

Date July 31^e 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 4-17 19 67
[Signature] (Inspector's Signature) Commission Cal 796 (Not' Board or State and No.)



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance Corrosion In. Diam. Ft. In. Length Ft. In.

SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S.

Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

(a) (b)

If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAYBOLTS: (Material) If hollow Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 F. Min. temp. (when less than -20) 0

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment (Welded, Bolted)

Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) (I.D.) In. Thickness Inches or Gage Number Type (Straight or U)

Items 12-13 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance Corrosion In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

(a) Top, bottom, ends (b) Channel (c) Floating

If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b)

(c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. F. Min. temp. (when less than -20)

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE ORIFICES: Number Size Location

Table with 7 columns: Nozzle Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location

19. OPENINGS: Handholes, No. Size Location Threaded, No. Size Location

20. SUPPORTS: Skirt (Yes/No) Lugs (Yes/No) Legs (Yes/No) Other (Describe) Attached (Where & How)

If post-weld heat treated, list under item 3 other internal or external pressures with ambient 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 Electric Co., APED, 175 Curtner Ave, San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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 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.

Date August 8 19 67 signed General Electric Co. by W. J. Fisher
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11-67 19 67
W. J. Fisher Inspector's signature Commission 62706 Nat'l Board of State and N.

SEP 13 1967

21-11-2



FORM 11-2 (back)
THIS FORM NOT APPLICABLE TO SEE BLUEPRINT DESIGN AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

5. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____
 If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

 If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____ (Welded, Bolted)
 Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____ (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

 If removable, bolts used (a) _____ (b) _____ (c) _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Type or No. _____ Lugs _____ (Number) _____ Lugs _____ (Number) _____ Other _____ (Describe) Attached _____ (Where)

If postweld heat-treated, list under item 2 other internal or external pressures with compliant temperature when applicable.



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 26, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04381-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 30-47	General Electric	6874	N/A	NC02 CLASS 1	1977	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04381-00 at core location 30-47.

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 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. 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 11/19/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237EL79 G1 AND SKETCH

Items 4-9 Incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ (Material, Spec. No., T.S., Size, Number) Other fastening _____ (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____ (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)
 Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (U.D.) _____ In. Thickness _____ or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

If riveted describe seams fully on reverse side of form.

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (Material, Spec. No., T.S., Size, Number) (b) _____ (c) _____ Other fastening _____ (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____

3. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

7. SUPPORTS: Skirt _____ (Yes or No) Legs _____ (Number) _____ (Number) _____ Other _____ (Describe) Attached _____ (What & How)

¹ If pressure is not treated. ² List internal or external pressures with corresponding temperatures when applicable.



0 0 4 2 4 0 2 5 4

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
(Name 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 boiler or vessel) Niagra Mohawk Unit

2. Identification—Manufacturer's Serial No. of Part 71: -34361, 373, 379, 498, 453, 538, 541, 549, 551, 561, 655, 671

(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson
612, 750, 525

(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.

Date July 31 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-17 19 67
[Signature] Inspector's Signature Commission 221706
State Board or State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance Corrosion In. Diam. Ft. In. Length Ft. In.

SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S. Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (HORIZ.) X (VERT.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment (Welded, Bolted) Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness or Gage Number Inches Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance Corrosion In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S. Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)

(a) Top, bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OR RELIEFS: Number Size Location

Table with 7 columns: Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) (Other (Describe)) Attached (Where & How)

If postweld heat-treated, List under item 3 other internal or external pressures with maximum temperature when applicable.

1
2
3



0 0 4 4 0 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 Curtner Ave, San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagra Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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 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.

Date August 8 19 67 Signed General Electric Co. By J. W. Fisher
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11- 19 67
J. W. Fisher Inspector's Signature Commission # 62706 National Board of State and No.

SEP 13 1967

1
2
3



FORM U-2 (back)
THIS FORM NOT APPLICABLE TO SEE BLUEPRINT 037E1795G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

5. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

If riveted describe seams fully on reverse side of form.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

If riveted describe seams fully on reverse side of form.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION MANHOLES, NO. _____ SIZE _____ LOCATION _____
 OPENINGS: Handholes, No. _____ SIZE _____ LOCATION _____
 Threaded, No. _____ SIZE _____ LOCATION _____

19. SUPPORTS: Skirt _____ LOGS _____ (Material) _____ LOGS _____ (Material) _____ OTHER _____ (Describe) _____ ATTACHED _____ (Where)

If postweld heat-treated, list under item 1 other internal or external pressures with corresponding temperature when applicable.

4 11 12
2 11 12



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 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04382-00
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 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

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)
34-03	General Electric	7662	N/A	NC02 CLASS 1	1979	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04382-00 at core location 34-03.

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 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 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. 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed *Steve Set* 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 11/15/96 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.

Fynn W. Orlean Commissions 1403 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U O I 2 5 2
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 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 Signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 July 14, 1966

ALNES

- 71: - 334 (337, 338, 341, 348, 349, 368, 394, 399) 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, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 716

SEP 13 1967



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 01 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ (Material, Spec. No., T.S., Size, Number) Other fastening _____ (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____ (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

13. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (Material, Spec. No., T.S., Size, Number) (b) _____ (c) _____ Other fastening _____ (Describe or Attach Sketch)

14. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

15. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

16. NOZZLES

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. SUPPORTS: Skin _____ Legs _____ Other _____ Attached _____
 (Material) (Number) (Describe or Attach Sketch) (Welded or Bolted)

If gaskets are used, list under item 1 other internal or external processes with construction temperature when applicable.



0 0 4 2 4 0 2 5 4

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GB Boiling Water Reactor at
(Name and address of manufacturer of boiler or vessel: Niagra Mohawk Unit)

2. Identification—Manufacturer's Serial No. of Part 71: -34361, 379, 379, 490, 453, 538, 541, 549, 551, 561, 655, 671

(a) Constructed According to Blueprint No. 237E179 G1 B.P. Prepared by GE, APED: D.L. Peterson
-612, 750, 525

(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.

Date July 31^e 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and for 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 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 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 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 7-31-67 19 67
[Signature] Inspector's Signature Commission 221706 Nat'l Board of State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SWEDCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance In. Corrosion In. Diam. Ft. In. Length Ft. In.

SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S.

Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

(a) (b) If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAY BOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment (Welded, Bolted)

Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) (P.D.) In. Thickness Inches or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness In. Allowance In. Corrosion In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

(a) Top, bottom, ends (b) Channel (c) Floating If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b)

(c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number Size Location

Table with 7 columns: Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location

19. OPENINGS: Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) (Number) Other (Describe) Attached (Where & T)

If post-weld heat treated, list under item 3 other internal or external pressure with ambient temperature when applicable.



0 0 4 4 0 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 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date August 8 19 67 signed General Electric Co. by J. W. Fisher
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 9-11-67 19 67
J. W. Fisher Inspector's Signature Commission 62706 Nat'l Board of State and N.

SEP 13 1967

2000



FORM 11-2 (back)
THIS FORM NOT APPLICABLE TO SEE BLUEPRINT AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

6. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Lugs _____ (Number) _____ (Other) _____ Attached _____
(Type or No.) (Number) (Describe)

If postweld heat-treated, list under stress other internal or external pressures with comment temperature when applicable.

1950



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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-19
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 34-11	General Electric	A8062	N/A	NC02 CLASS 1	1986	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-02662-19 at core location 34-11.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: NI-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 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 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. A8062 replaced by serial no. 71-732. 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

Certificate of Authorization No None Expiration Date None

Signed [Signature] Date 7-21, 19 97
Owner or Owner's Designee, Title Maint Manager

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 11/19/96 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.

[Signature] Commissions NB 8496 NY2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U. S. DEPARTMENT OF COMMERCE
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 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 July 25, 1967

S L N S

- 71: - 334, 337, 338, 341, 348, 349, 368, 394, 399, 410, 417, 419, 428, 430, 434, 436, 440, 442, 449, 457, 462, 463, 464, 468, 471, 472, 473, 474, 475, 476, 480, 488, 494, 497, 500, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 710



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 OF AND SKETCH

Items 4-9 Incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

BEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

If riveted describe seams fully on reverse side of form.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (I.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.)

BEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form.

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Relief, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

7. INSPECTION MANHOLES, NO. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

8. SUPPORTS: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
 (Yes or No) (Material) (Spec. No.) (Material) (Spec. No.) (Describe or Attach Sketch)

If steel shell heat-treated. List in item 9 other internal or external pressures with corresponding temperature when applicable.



00424 0254

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
(Name 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 boiler or vessel) Niagra Mohawk Unit

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 379, 379, 498, 453, 538, 541, 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

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 31^e 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 4-13 19 67
[Signature] Inspector's Signature Commission Cal 706
Nat'l Board or State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SNECH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

5. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S. Location (Top, bottom, ends) Thickness Crown Radius Knockle Radius Elliptical Ratio Central Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 F. Min. temp. (when less than -20) 0

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. (Subject to Pressure) In. Thickness In. Attachment (Welded, Bolted) Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness Inches or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S. Location Thickness Crown Radius Knockle Radius Elliptical Ratio Central Apex angle Hemispherical Radius Flat Diameter (Convex or Concave) Side to Pressure

15. Constructed for max. allowable working press. psi at max. temp. F. Min. temp. (when less than -20) 0

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE ORIFICES: Number Size Location

17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached

18. INSPECTION Manholes, No. Size Location Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) Brackets (Number) Other (Describe) Attached (Where)

If postweld heat treated. List under item 3 other internal or external pressures with coincident 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 Electric Co., APED, 175 Outner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date August 8 19 67 Signed General Electric Co. By J. W. Taylor
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 9-11- 19 67
J. W. Taylor Inspector's signature Commission 502706
Nat'l Board of State and N.

SEP 13 1967



THIS FORM NOT APPLICABLE TO **FORM 11-2 (back)** SEE BLUEPRINT **257E1795G1** AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____
 HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Concave or Convex)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe or give weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. **1250** psi at max. temp. **575** °F. Min. temp. (when less than -20°) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or UT)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____
 HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Concave or Convex)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
 (Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
 (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Lugs _____ Other _____ Attached _____
 (Type or No.) (Nominal) (Nominal) (Describe)

If postweld heat treated, list under item 9 other internal or external pressures with resultant temperature when applicable.



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 April 4, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03561-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 34-39	General Electric	71-630	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive flange capscrew (1 ea.) at core location 34-39. Reference DER No. 1-97-1303.

8. Tests Conducted:
 Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: NI-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 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.

FORM HIS-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 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 Daryl G. Lunden for S. O'IV, MAINTENANCE MGR. 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 7/30/97 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.

Lynn D. Arleson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 April 10, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-05
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
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 34-51	General Electric	5639	N/A	NC02 CLASS 1	1977	REPLACEMENT	Yes

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 96-02662-05 at core location 34-51.

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 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. 1-2.01-97-0085 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. 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 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 Jed G. Sulem for S. DUTY, MAINTENANCE 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 11/19/96 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.

Lynn W. Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

U U 2 5 2
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

129

(a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk Unit 1

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 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.

Date July 25 19 67 Signed General Electric Co. By [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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.

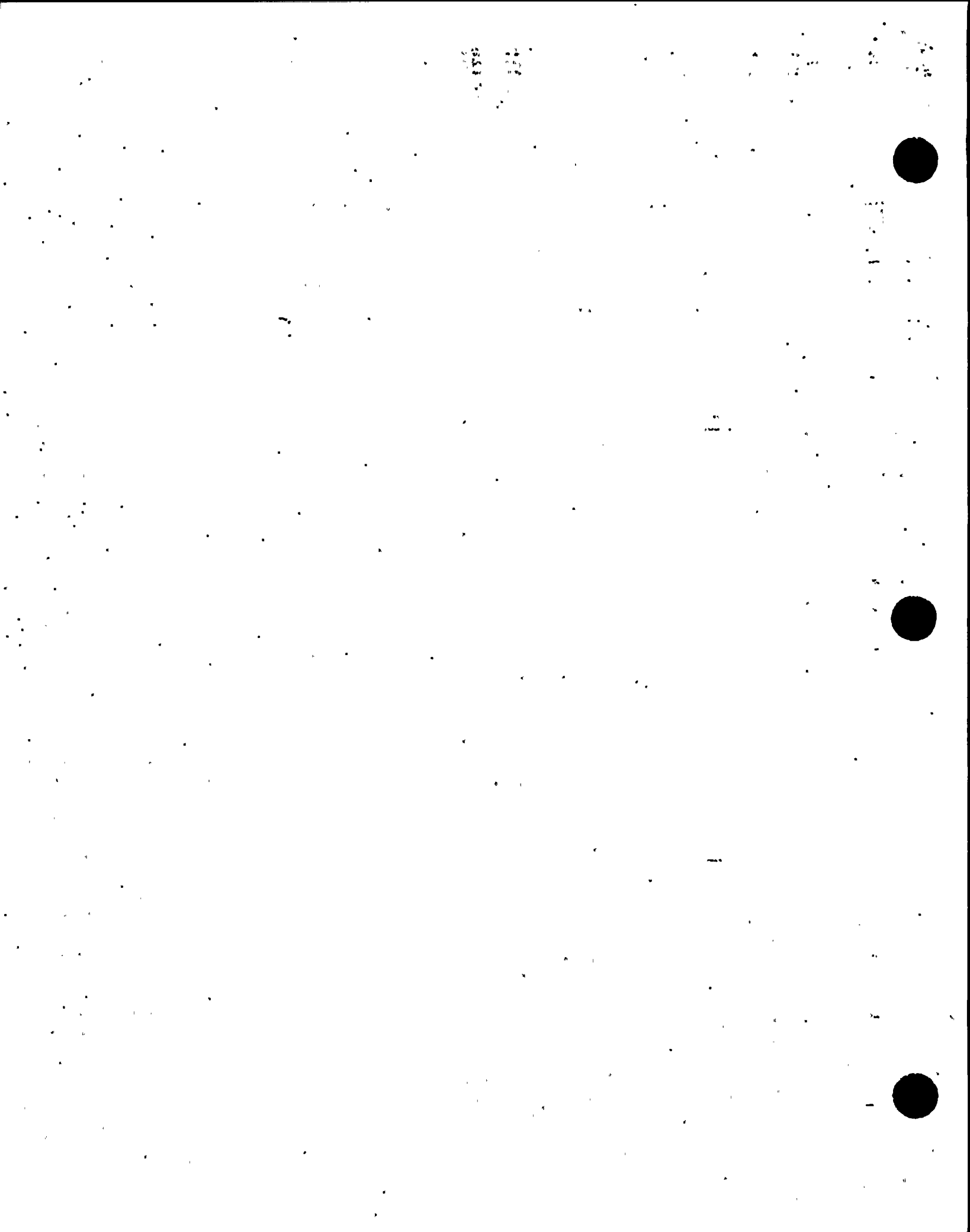
Date July 25, 1967

[Signature]
Inspector

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- 71: -- 334, 337, 338, 341, 348, 349, 368, 390, 399, 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, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 716

SEP 13 1967



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 OF AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave)
 (a) _____
 (b) _____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as cover & hold. bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)
 Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (O.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Convex or Concave)
 (a) Top, bottom, ends _____
 (b) Channel _____
 (c) Floating _____

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

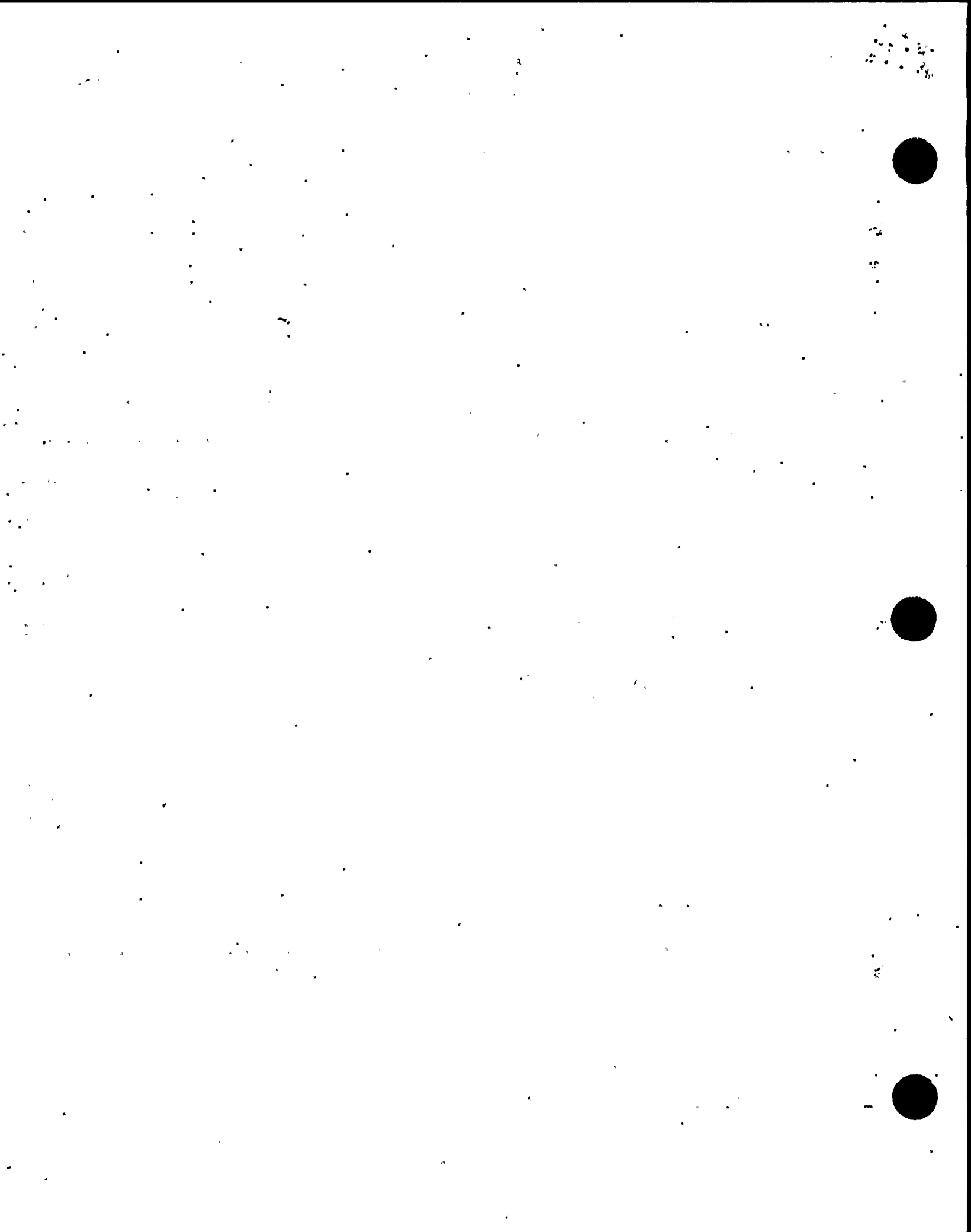
7. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

8. INSPECTION MANHOLES, NO. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

9. SUPPORTS: Skirt _____ (Yes or No) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Welded or Bolted)

¹ If riveted describe seams fully on reverse side of form.
² List on reverse side of other internal or external pressures with corresponding temperatures when applicable.



0 0 4 2 4 0 2 5 4

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) NIGHTH PROHEWK UNIT

2. Identification—Manufacturer's Serial No. of Part 71: -34861, 379, 379, 490, 753, 538, 541, 549, 551, 561, 655, 675

(a) Constructed According to Blueprint 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

To 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 31 19 67 Signed General Electric Co. (Manufacturer) By [Signature] (Representative)

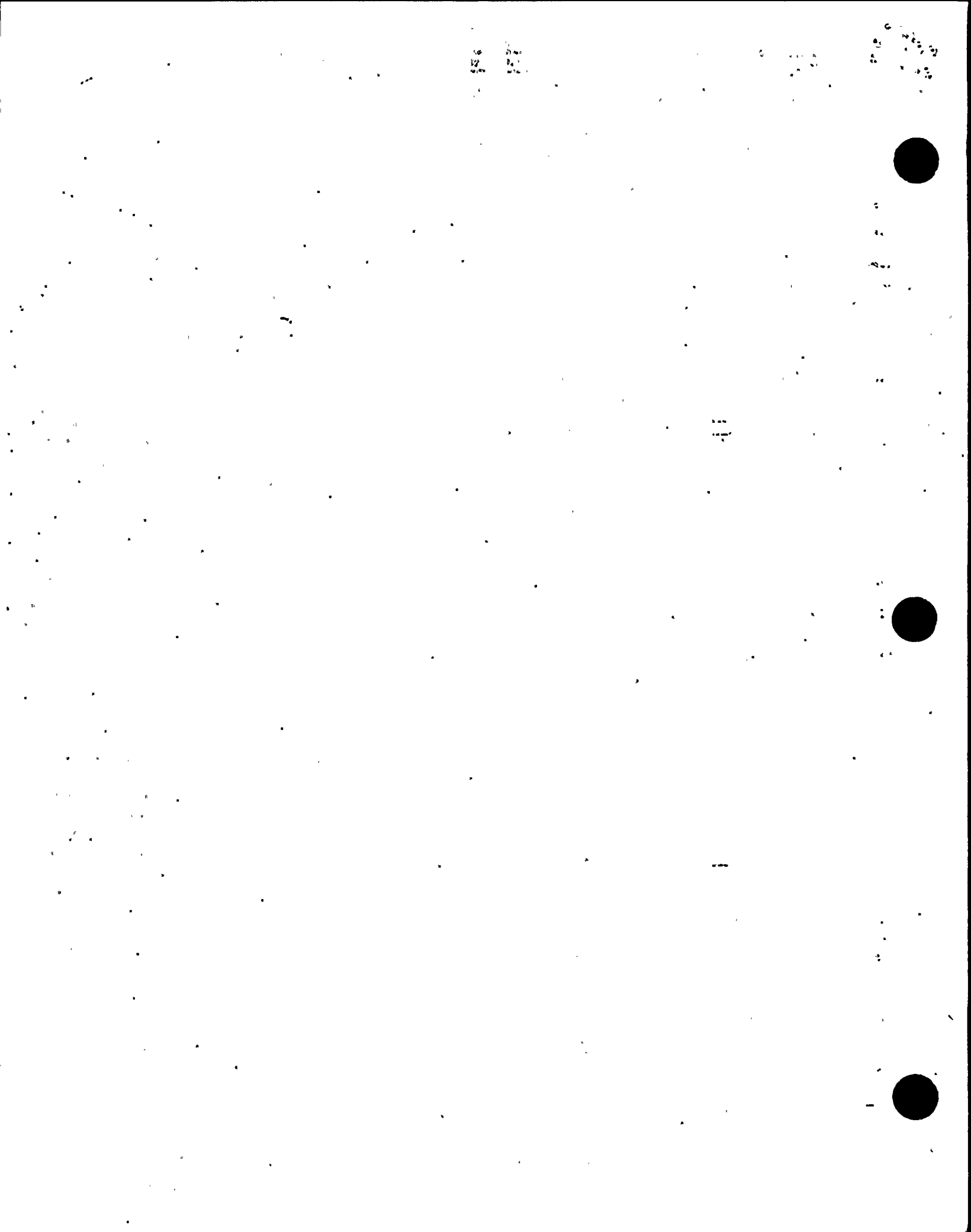
Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-4-67 19 67
[Signature] Inspector's Signature Commission Cal 706 Nat'l Board of State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness in. Corrosion Allowance in. Diam. Ft. In. Length Ft. In.

SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form.

Girth H.T. X.R. Sectioned No. of Courses

6. HEADS: (a) Material T.S. (b) Material T.S.

Table with columns: Location (Top, bottom, ends), Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex angle, Hemispherical Radius, Flat Diameter, Side to Pressure (Convex or Concave)

If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horse.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as cover & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. in. Thickness in. Attachment (Welded, Bolted)

Floating. Material (Kind & Spec. No.) Diam. in. Thickness in. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. in. Thickness in. or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness in. Corrosion Allowance in. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

If riveted describe seams fully on reverse side of form.

Girth H.T. X.R. Sectioned No. of courses

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Table with columns: Location, Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex angle, Hemispherical Radius, Flat Diameter, Side to Pressure (Convex or Concave)

If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b)

(c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OR FLEETS: Number Size Location

Table with columns: Nozzle (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

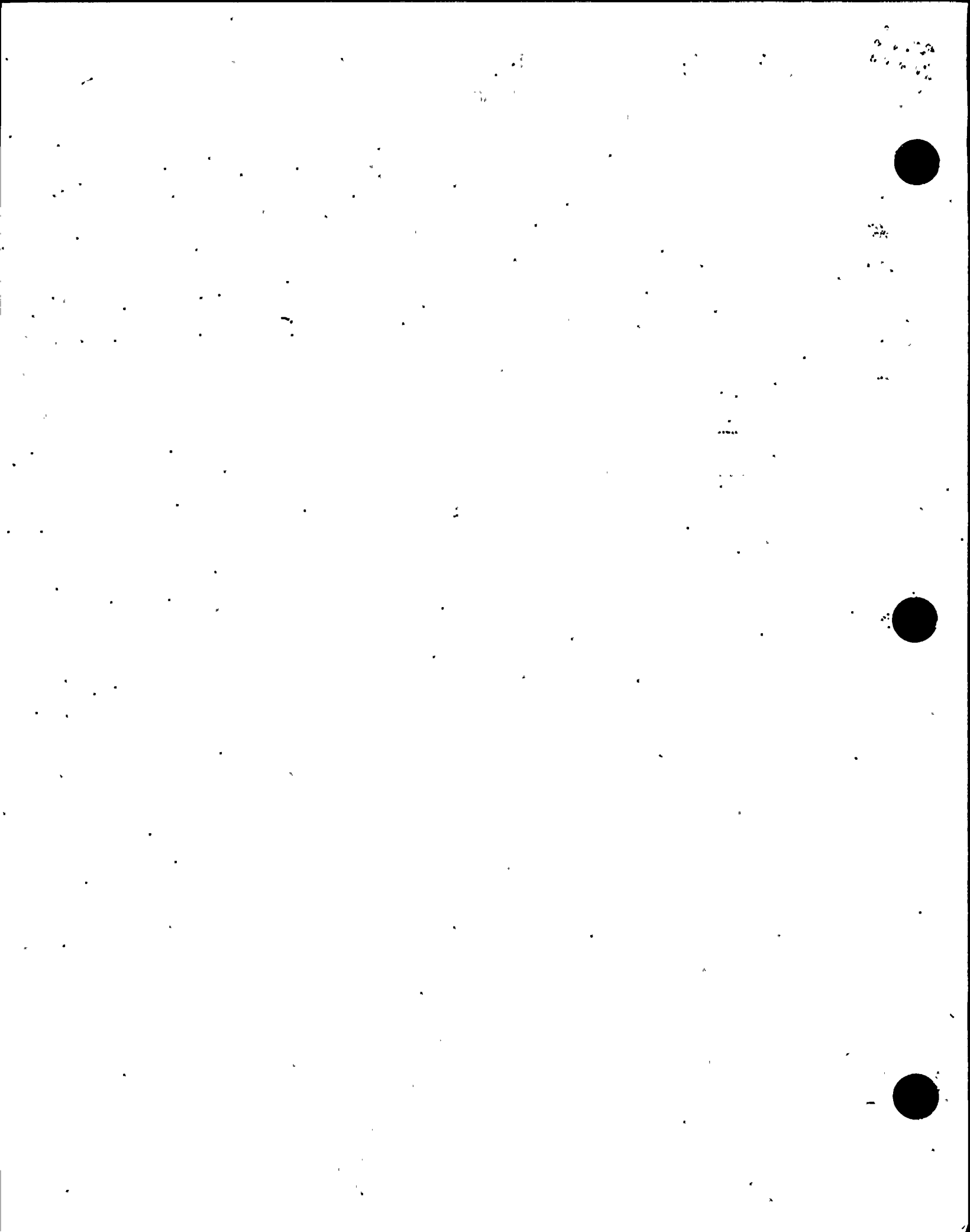
18. INSPECTION Manholes, No. Size Location

OPENINGS: Handholes, No. Size Location

Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) Legs (Number) Other (Describe) Attached Where

If postweld heat treated. List under item 3 other internal or external pressure with maximum 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 Electric Co., APED, 175 Curtner Ave, San Jose, California
(Name and address of manufacturer of part)
- (b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)
- 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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date August 8 19 67 signed General Electric Co. by Willie Walker
(Manufacturer) (Representative)
Certificate of Authorization Expires December 31 19 67

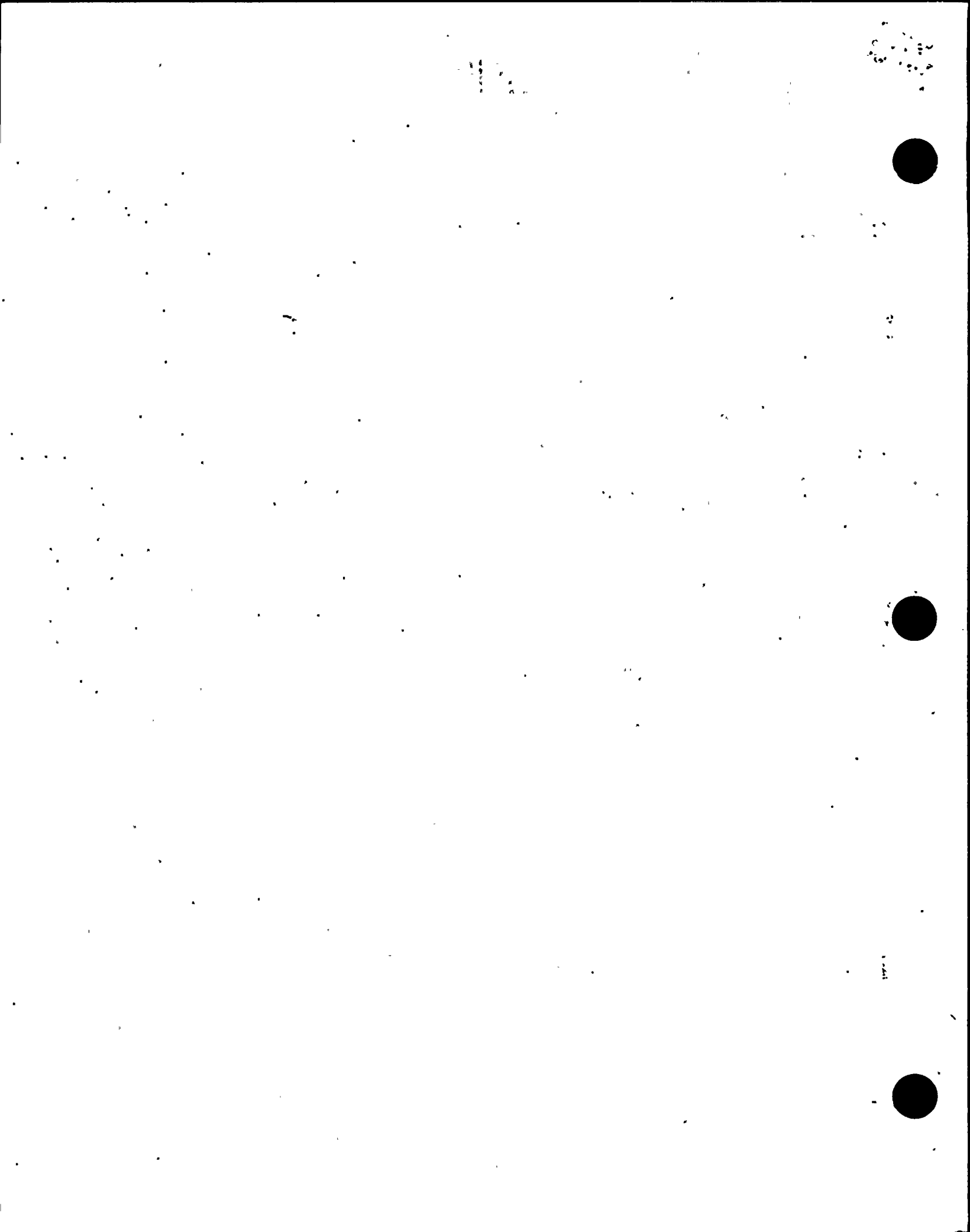
CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11-67 19 67
Willie Walker Inspector's Signature Commission 62706 National Board of State and N.

SEP 13 1967



THIS FORM NOT APPLICABLE TO **FORM 11-2 (back)** SEE BLUEPRINT **257E179SG1** AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

1. Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, D.S., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

Constructed for max. allowable working pressure _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, D.S., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

Constructed for max. allowable working pressure _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES:

Pressure (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Type or No. _____ Legs _____ (Nominal) _____ (Number) _____ Other _____ Attached _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

If postweld heat treated, list under item 1 other internal or external pressure with resultant 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. Owner Niagara Mohawk Power Corporation Date March 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04383-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 38-07	General Electric	71-476	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

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 96-04383-00 at core location 38-07.

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 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. 1-2.01-97-0065 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. 71-476 replaced by serial no. 6234. 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. G. Gule For S. OBTY, MANAGER 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 11/15/96 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.

Zym W Anderson Commissions NBB 416 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

FORM N-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, N. C.
(Name and address of Manufacturer of part)
- (b) Manufactured for General Electric Co., San Jose, Calif.
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 6234 Nat'l Id. 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 None, Case No. 1361 Class 1
3. Remarks: Standard part for use with reactor
(Brief description of service for which component was designed)
Hydrostatically tested at 1820 psi.

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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.

Date 12-28 19 77 Signed GE NEPD-WMD-EH By Charles J. Brewer
(Manufacturer)

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-EH, Castle Hayne Rd., Wilmington, N.C.

Stress analysis report on file at General Electric Co., NEPD-WMD-EH, Castle Hayne Rd., Wilmington, N.C.

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

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 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 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 accordance with the ASME Code Section III.

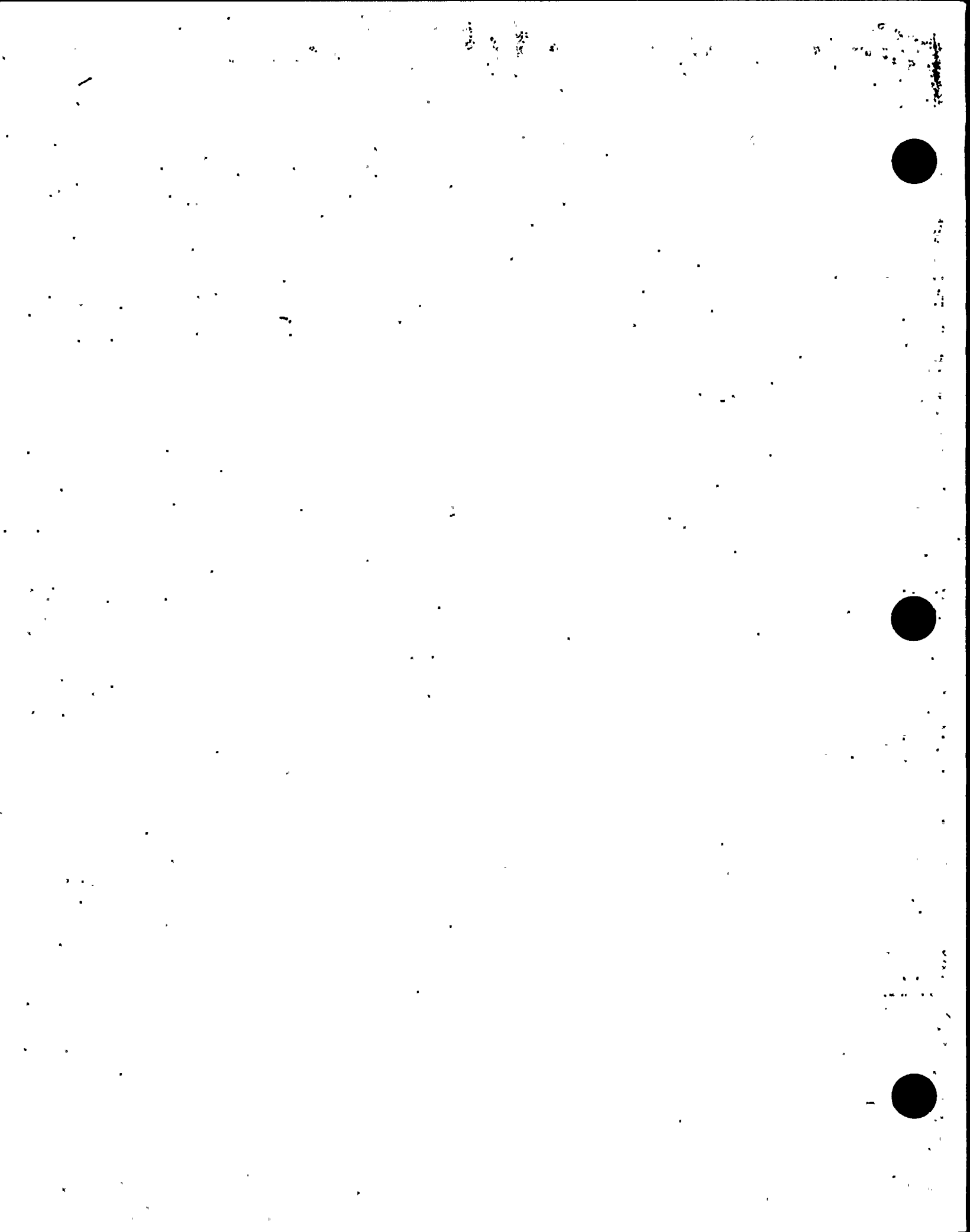
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property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

Date 12/31 19 77

J. P. Hammond
Inspector's Signature

Commissions NC 799, PA W02160, Ohio
National, State, Provincial and Dist.

*Supplemental sheets in form of lists, sketches or drawings may be used provided all size is 8 1/2" x 11", (2) information in Items 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".



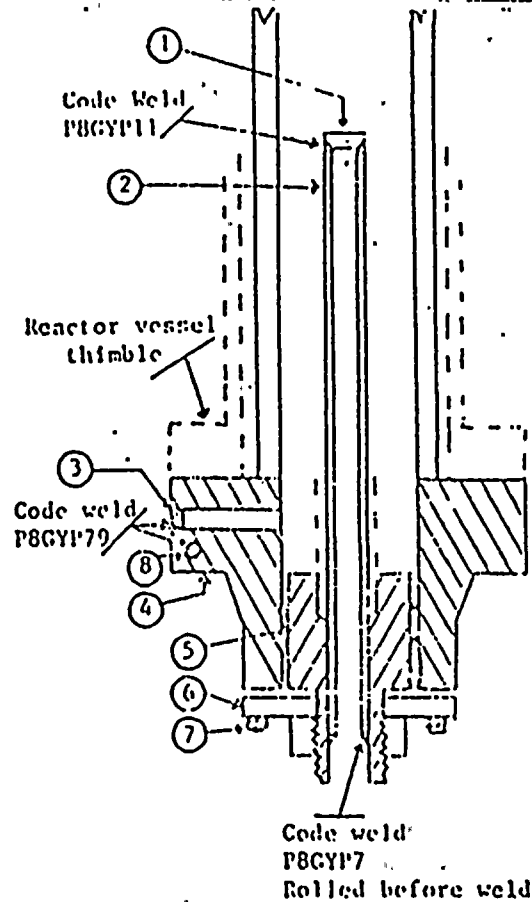
"ATTACHMENT TO"

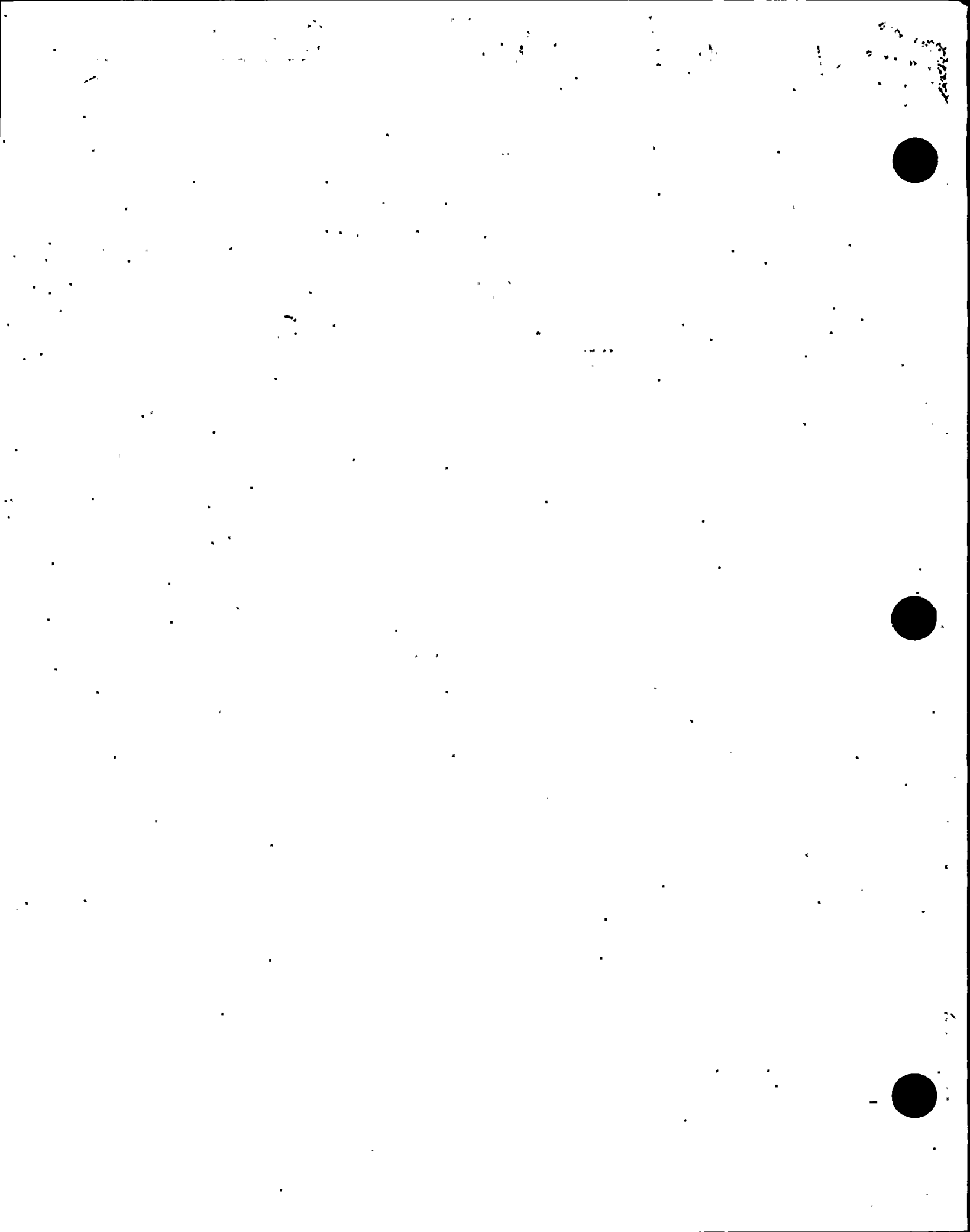
FORM NO. 2 MANUFACTURER'S DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N. C.
(Name and address of Manufacturer of part)
- (b) Manufactured in General Electric Co., San Jose, Calif.
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 6234 Nat'l Id. No. _____
(a) Constructed According to Drawing No. 919D2596002 Drawing Prepared by D. L. Peterson
(b) Description of Part Inspected Cylinder Tube and Flange
(c) Applicable ASME Code: Section III, Edition, 1974, Addendums None, Case No. 1361, Class, 1
3. Remarks, Standard part for use with reactor
(Brief description of service for which component was designed)
Hydrostatically tested at 1820 psi.

1. Cap 167A2343P1
(167A2343)
SA182-F304
3/8 thick x 1 1/16 OD
2. 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
4. Flange 919D610P1 (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 129B3539P1
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.





4-8 Incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)
(Top, bottom, ends)

(a) _____
(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as edge and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure² _____ 1250 _____ psi at _____ 575 _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches _____ or gage. Number _____ Type _____
(Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)
(a) Top, bottom, ends _____
(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

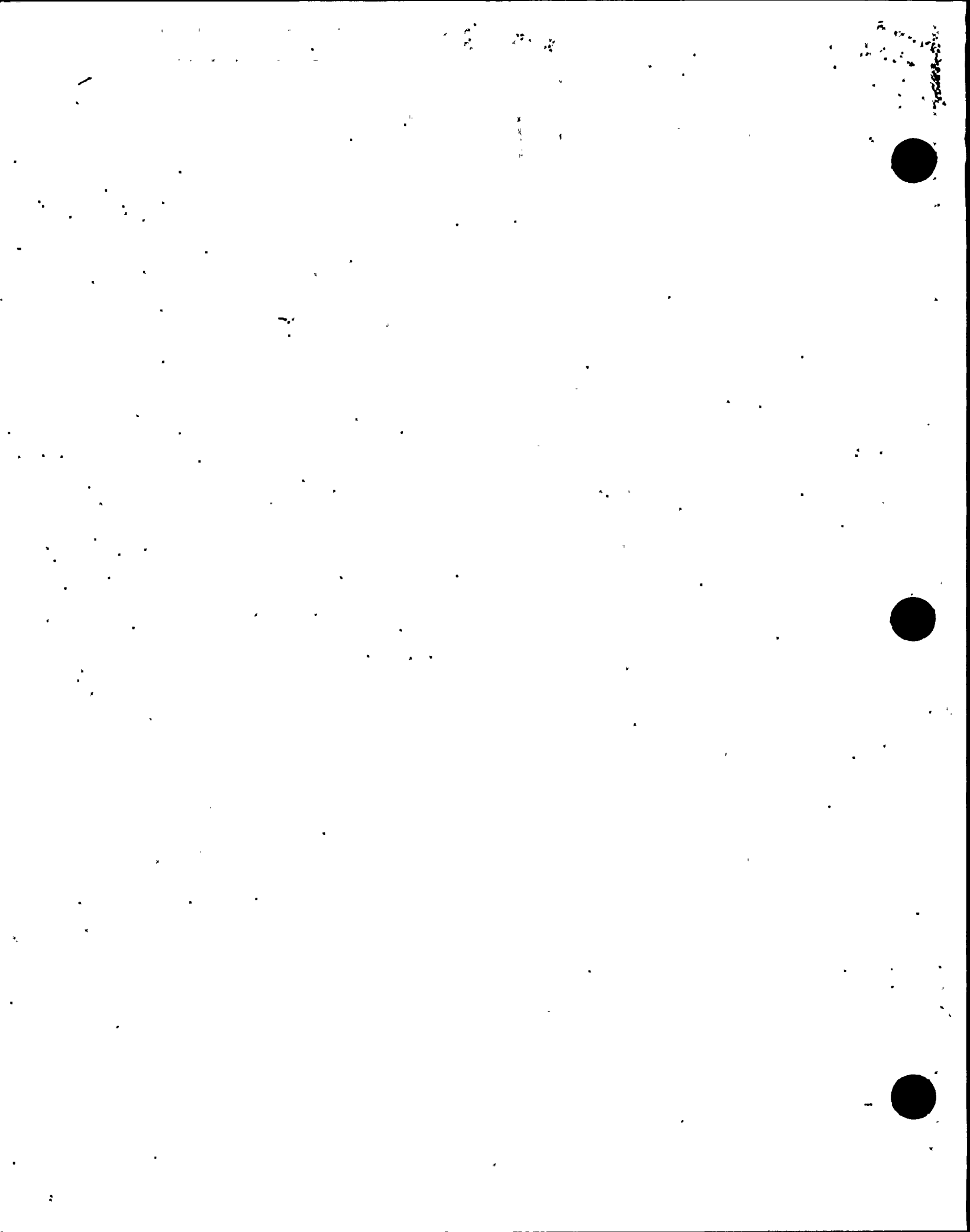
16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ (Number) _____ Other _____ (Pressure) Attached _____ (Where & How)

¹ If Post-weld Heat-Treated.
² List other internal or external pressure with coincident temperature when applicable.



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 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04384-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 38-11	General Electric	A3616	N/A	NC02 CLASS 1	1980	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-04384-00 at core location 38-11.

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 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 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. 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 11/15/96 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.

[Signature] Commissions 1108486 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

FORM N-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the provisions of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N.C.
 (Name and address of NPT Certificate Holder)
 (b) Manufactured for General Electric Co., San Jose, Calif. (NEBG)
 (Name and address of NPT Certificate Holder for completed section component)
 2. Identification Certificate Holder's Serial No. of Part A3521 Part No. 919D258 G003 Rev. D. L. Peterson
 (a) Constructed According to Drawing No. 919D258 G003 Drawing Prepared by D. L. Peterson
 (b) Description of Part Inspected Cylinder Tube and Flange
 (c) Applicable ASME Code Section III, Edition 1971, Addenda date S'73, Case No. 1361-2 Class 1
 3. Remarks: Standard part for use with reactor
 (Brief description of service for which component was designed)
Hydrostatically tested at 1820 psi.

* Number of sheets - 2

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 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 included in the component Design Specification and Stress Report.)

Date 6-18 19 80 Signed GZ-NEPD-WMD-EM By J. E. Stredemier
(NPT Certificate Holder)
Certificate of Authorization Expires June 16, 1981 Certificate of Authorization No. N-1151

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at GZ., NEPD-WMD-EM., Castle Hayne Rd., Wilmington, N.C.
 Stress analysis 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
 Stress analysis report certified by Vernon W. Pence Prof. Eng. State Calif. Reg. No. 14488

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 or Province of North Carolina and employed by Dept 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, 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 6-18 19 80
E. S. Sherill Commissions NC 723, PA WC1766, OHIO.
 Inspector's Signature National Board, State, Province and No.

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

004760506



Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shells Material: (Klnd & Spec. No.) (Min. of Range Specificd) Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location: (Top, bottom, ends) Thickness _____ Crown Radius _____ Knuckle Radius _____ Elliptical Ratio _____ Conical Apex Angle _____ Hemispherical Radius _____ Flat Diameter _____ Side to Press. (Conv. or Conc.)
(a) _____
(b) _____
If removably, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as edge and weld, bar, etc. if bar give dimensions, if bolted, describe or sketch)

8. Design pressure² 1250 psi at 575 °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary - Material _____ Dia. _____ Thickness _____ in. Attachment _____ (Welded, Bolted)
- Floating - Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____ (SW. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shells Material: (Klnd & Spec. No.) (Min. of Range Specificd) T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location: Thickness _____ Crown Radius _____ Knuckle Radius _____ Elliptical Ratio _____ Conical Apex Angle _____ Hemispherical Radius _____ Flat Diameter _____ Side to Press. (Conv. or Conc.)
(a) Top, bottom, ends _____
(b) Channel _____
If removably, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt (Yes or No) _____ Lugs (Number) _____ Legs (Number) _____ Other (Describe) _____ Attached _____ (Where & How)

¹ If Postweld Heat-Treated.
² List other internal or external pressure with coincident temperature when applicable.

00076 101507

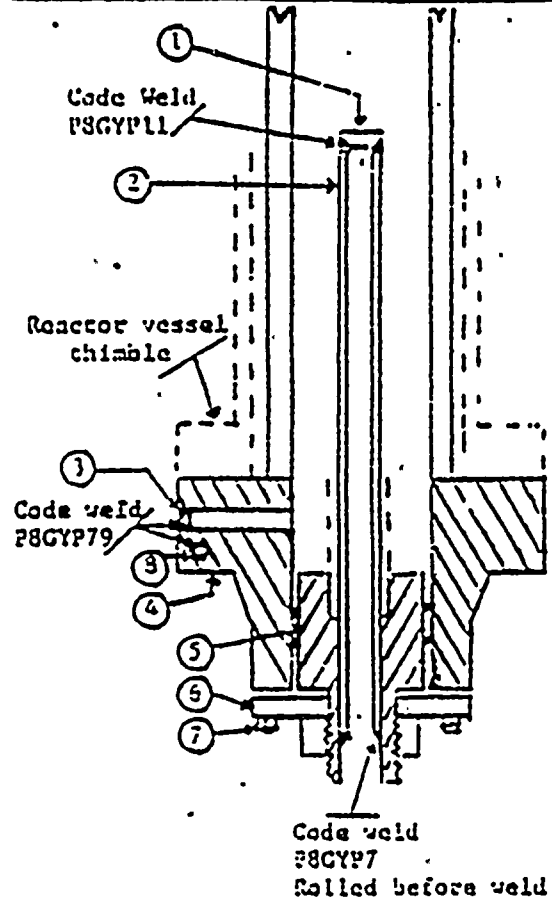


FORM N-10 (REV. 1-64) NON-NUCLEAR PARTS REPORT FOR NUCLEAR PARTS AND APPURTENANCES
ASME Code Rules, Section III, Div. 1

1. (a) Manufacturer: General Electric Co., Castle Hayne Rd., Wilmington N.C.
 (b) Manufacturer's Name: General Electric Co., San Jose, Calif. (NEBG)
 (c) Name and address of NPT Certificate Holder: _____
 2. Identification Certificate Number: A3521 Serial No. of Part: _____ Nact Bd. No.: _____
 (a) Connected According to Drawing No.: 919D258G003 Drawing Prepared by: D. L. Peterson
 (b) Description of Part (Applied): Cylinder, Tube and Flange
 (c) Applicable ASME Code Section III, Edition: 1971, Addenda date: 3'73, Case No. 1361-2 Class: 1
 3. Remarks: Standard part for use with reactor. Hydrostatically tested at 1820 psi.
 (Brief description of service for which component was designed)
 * Number of sheets - 2

0508
0504
0041
0041

1. Cap 167A2343P1
(167A2343)
SA192-F304
3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P1
SA112-TP316
3/4 sch 40-seamless pipe
0.113 wall thickness
1.065 max. dia.
3. Plug 159A1176P1
SA182-F304
1/4 thick x 0.312 OD
4. Flange 919D610P1 (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 129B3539P1
SA192-F304
7/8 thick x 2.375 Dia.
6. Ring Flange 11485122P2
SA182-F304
1" thick x 5.0 OD x 1.75 ID
7. Cap Screw 117C4516P2
SA193-B5
6 ea. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
SA192-F304
0.38 thick x 1.307 dia.





PRODUCT QUALITY CHECKLIST - Part II
 Control Rod Drive, Outline Drawing 768E999
 (Model No. 7R08144DG001)

Acceptance
 Stamp

DRAWING NUMBER: 768E534G1

SERIAL NUMBER A3521



A. ASME-B & PVC, Section III, Class I requirements.

I. Flange Dwg. 719E474G1

SERIAL NUMBER A3521

IA. (Small) plug, Dwg. 159A1176P1.

*a) Metallurgical & Physical Test Cert.

Heat No. A18160

Heat Code BB

*b) Ultrasonic Examination Certification.

Procedure Number

08.05.239 Rev. 1

NDE Personnel Ident.

R. Smetana

c) Liquid Penetrant Inspection Record

Procedure

QCEI 665 Rev. 1

NDE Personnel Ident.

P71



1B (Large) plug, Dwg. 175A7961P1.

*a) Metallurgical & Physical Test Cert.

Heat No. C35661-3

Heat Code F

*b) Ultrasonic Examination Cert.

Procedure

QC 4612

NDE Personnel Ident.

3

c) Liquid Penetrant Inspection Record

Procedure

QCEI 665 Rev. 1

NDE Personnel Ident.

P14

JUN 17 1980

* QC Document for purchased raw material

0014
 0.509



PRODUCT QUALITY CHECKLIST - Part IE (Continued)

Acceptance
 Stamp

IE Flange, Dwg. 919D610PT. SERIAL NUMBER A3521
 *a) Metallurgical & Physical Test Cert. Heat No. 631937
 *b) Ultrasonic Examination Cert. Procedure 42-PT-040 Rev. 0
 NDE Personnel Ident. 42-SP-004 Rev. 0
D.G. Lee
 *c) Liquid Penetrant Inspection Record Procedure 42-PT-020 Rev. 0
 NDE Personnel Ident. 42-PA-001 Rev. 0
D.G. Lee
 1D (Large) Plug to flange weld, Dwg. 719E474G1 (P3 to P2) Procedure 8-8 GTAW-W7, 8-8 GTAW-W7B
 Welder Ident. 15384
 a) Liquid Penetrant Inspection Record. Procedure QCEI 676 Rev. 5
 NDE Personnel Ident. P39
 1E (Small) Plug to flange weld Dwg. 919D254G1 (P3 to P1) Procedure 8-8 GTAW-W7, 8-8 GTAW-W7A
 Welder Ident. 13685
 a) Liquid Penetrant Inspection Record. Procedure QCEI 676 Rev. 5
 NDE Personnel Ident. P39

RI

RI

RI

* QC Documents for purchased raw material.

JUN 17 1961

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PRODUCT QUALITY CHECKLIST - Part II (Continued)

CRO. SIN. A3521

Acceptance
Stamp

1F. Flange: Liquid Penetrant: Examine final machined surfaces. Dwg. 9190258G3.

a) Liquid Penetrant Inspection Record.

Procedure QCEI 676 Rev. 5
NOE Personnel Ident. P39

RI

2. Piston Tube Assembly Dwg. 10506495G1.

SERIAL NUMBER N/A

RI

2A Cap Dwg. 16689274P1

a) Metallurgical & Physical Test Cert. Heat No. _____
Heat Code _____

b) Ultrasonic Examination Cert.
Procedure _____
NOE Personnel Ident. _____

c) Liquid Penetrant Inspection Record
Procedure QCEI 665 Rev. _____
NOE Personnel Ident. _____

RI

2B (Indicator) Pipe, Dwg. 16689313P1 SERIAL NUMBER _____

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

b) Ultrasonic Examination Cert.
Procedure _____
NOE Personnel Ident. _____

c) Liquid Penetrant Inspection Record
Procedure QCEI 576 Rev. _____
NOE Personnel Ident. _____

JUN 17 1980

* QC Documents for purchased raw material.

0511
0047



PRODUCT QUALITY CHECKLIST - Part II (Continued)

CRD S/N: 1352

6/17/80
JMA

Acceptance Stamp

- 6. Hydrostatic Test Record
Procedure QCTI 715 Rev. 0
- 7. Form N-2, Manufacturers Data Report for Nuclear Part and Appurtenance
- 8. 10 CFR 50 Related, Non-Code Requirements
 - 1. Cap screw, Dwg. 117C4516P2
 - *a) Magnetic Partial Inspection Record
Procedure N/A
 - NDE Personnel Ident. N/A
 - 2. Performance Test Report and Data Sheet
Procedure QCTI 707 Rev. 0

6	RI
7	RI
8.1	N/A
8.2	N/A
8.2	✓

Record NDE 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.

JUN 17 1980

* QC Documents for purchased raw material.

004760512



PRODUCT QUALITY CHECKLIST - Part III
Control Rod Drive, Outline Drawing 768E999
(Model No. 7R081440G001)

DRAWING NUMBER: 768E534G1 SERIAL NUMBER: A3521

10CFR50 RELATED, NON-CODE REQUIREMENTS

Acceptance Stamp

1	Outer Tube, Dwg. 112D1666G1	SERIAL NUMBER	<u>1681</u>	<input checked="" type="checkbox"/> RI
1A	Tube-Lower, Dwg. 137C5658P1	SERIAL NUMBER	<u>1681</u>	
	a) Metallurgical & Physical Test Cert.	Heat No.	<u>D930306</u>	
1B	Spacer, Dwg. 137C5989P1	SERIAL NUMBER	<u>A1229</u>	
	a) Metallurgical & Physical Test Cert.	Heat No.	<u>4283</u>	
1C	Tube Upper, Dwg. 137C5085P1	SERIAL NUMBER	<u>B5038</u>	<input checked="" type="checkbox"/> RI
	a) Metallurgical & PHYSICAL Test Cert.	Heat No.	<u>4948</u>	
1D	Spacer to Tube-Lower Weld, Dwg. 112D1664G1	Procedure	<u>8-8 GTAW-W7</u>	
	Welder Ident.		<u>13607</u>	
	a) Liquid Penetrant Insp. Report	Procedure	<u>QCEI 676 Rev. 5</u>	
	NDE Personnel Ident.		<u>P79</u>	
1E	Tube Upper to Tube Weld, Dwg. 112D1666G1	Procedure	<u>8-8 A-GTAW-W2</u>	<input checked="" type="checkbox"/> RI
	Welder Ident.		<u>16840</u>	
	a) Liquid Penetrant Insp. Report	Procedure	<u>QCEI 676 Rev. 5</u>	
	NDE Personnel Ident.		<u>P79</u>	
2	Index Tube, Dwg. 105D6043P6 or P8**	SERIAL NUMBER	<u>N/A</u>	<input checked="" type="checkbox"/> RI
	*a) Metallurgical & Physical Test Cert.	Heat No.	<u>1</u>	
	b) Nitride Run No.		<u>∇</u>	
	*c) Ultrasonic Examination Cert.		<u>ON FILE</u>	

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

0047053



GENERAL ELECTRIC COMPANY

WILMINGTON MANUFACTURING DEPARTMENT

HYDROSTATIC TEST REPORT

DESCRIPTION: Cylinder, Tube & Flange Assembly

DRAWING NO. 9190258 6803-9 G* AIT R15

SERIAL NO.* A3581

LOT NO. 15360

Test conducted per OCTI* 215 Rev.* 0 Hydro test facility no.* 6803-4

* Information to be entered by tester.

REQUIREMENTS	RESULTS
Pressure <u>1825-1875</u> psig	Pressure* <u>1850</u> psig
Duration <u>10</u> minutes minimum	Duration:
	Time in* <u>11:10</u>
	Time out* <u>11:30</u>
	Elapsed time* <u>10 min</u>
No visible leaks	Write "no leaks" if no leaks found: <u>No Leaks</u>

Date performed and witnessed* 6/13/80

Performed by* P7

Witnessed by E.H. Shenill
ASME Code Inspector

Report reviewed by B. Mullins Date 6-16-80

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

00 1 6 0.5 1 2

100-1-1



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 20, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03851-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 38-15	General Electric	71-658	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-03851-00 at core location 38-15.

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 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.

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 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 Steve Sub Maint Mgr 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 11/15/96 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.

Lynn D Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U U . 1 . 2 5 . 2

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 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 July 25, 1967

ALNES

- 71: - 334 (337, 338, 341, 348, 349, 368, 394, 399, 410, 417, 419, 428, 430, 434, 436, 440, 442, 449, 457, 462, 463, 464, 468, 471, 472, 473, 474, 475, 476, 480, 488, 494, 497, 501, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 530, 598, 652, 716)

SEP-13 1967



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 OF AND SKETCH

Items 4-9 Incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

If riveted describe seams fully on reverse side of form.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (O.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

If riveted describe seams fully on reverse side of form.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Safety, Relief, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

7. INSPECTION MANHOLES, NO. _____ SIZE _____ LOCATION _____

OPENINGS: Handholes, No. _____ SIZE _____ LOCATION _____

Threaded, No. _____ SIZE _____ LOCATION _____

8. SUPPORTS: Skirt _____ (Yes or No) _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

If pressure treated, list material & other internal or external processes with component temperature when applicable.



0 0 4 2 4 0 2 5 4

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an In-fired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

1. (a) Manufactured by: General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for: Stock item - standard part for use with GB Boiling Water Reactor at
(Name and address of manufacturer of boiler or vessel) Magta Mohawk Unit

2. Identification—Manufacturer's Serial No. of Part 71: -34361, 373, 379, 498, 453, 538, 541, 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

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 31~~e~~ 19 67 Signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 4-17 19 67
[Signature] Inspector's Signature Commission 221736
Cal's Board of State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness in. Corrosion Allowance in. In. Diam. Ft. In. Length Ft. In.

5. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S.

Table with 9 columns: Location (Top, bottom, ends), Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex angle, Hemispherical Radius, Flat Diameter (Convex or Concave), Side to Pressure. Rows for (a) and (b). Includes field for 'If removable, bolts used' and 'Other fastening'.

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (HORIZ.) X (VERT.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°)

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. (Subject to Pressure) In. Thickness In. Attachment (Welded, Bolted) Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness or Gage Number Inches Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness in. Corrosion Allowance in. In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Table with 9 columns: Location (Top, bottom, ends, Channel, Floating), Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex angle, Hemispherical Radius, Flat Diameter (Convex or Concave), Side to Pressure. Rows for (a), (b), and (c). Includes field for 'If removable, bolts used' and 'Other fastening'.

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°)

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE ORIFICES: Number Size Location

Table with 7 columns: Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location

19. HANDHOLES: Handholes, No. Size Location

20. SUPPORTS: Skirt (Yes or No) (Number) (Other (Material)) Attached (Where)

If postweld heat treated. List under item 3 other internal or external pressures with consistent temperature when applicable.



0 0 4 4 4 0 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 Outner Ave., San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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 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.

Date August 8 19 67 Signed General Electric Co. (Manufacturer) By J. W. Taylor (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11-67 19 67
J. W. Taylor Inspector's signature Commission 62706 Nat'l Board or State and No.



THIS FORM NOT APPLICABLE TO **FORM 11-2 (back)** SEE BLUEPRINT **257E1795G1** AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If directed describe seams fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press.¹ _____ 1250 psi at max. temp. _____ 575 °F. Min. temp. (when less than -20 °F) _____ °F

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Kind & Spec. No.)

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If directed describe seam fully on reverse side of form.

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press.¹ _____ psi at max. temp. _____ °F. Min. temp. (when less than -20 °F) _____ °F

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Lugs _____ (Welded) _____ Lugs _____ (Welded) _____ Other _____ Attached _____

¹If postweld heat treated, list under item 1 other internal or external pressures with coincident temperature when applicable.

2012



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 26, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03855-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 38-31	General Electric	71-707	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-03855-00 at core location 38-31.

8. Tests Conducted:
 Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: NI-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 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.

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 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 *Steve Dit* *Mgmt 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 11/15/96 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.

John W Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U U . 1 . 2 5 . 2
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 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk 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 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.

Date July 25 19 67 signed General Electric Co. by [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 July 25, 1967

ALNES

- 71: - 334 (337, 338, 341, 348, 349, 368, 394, 399, 410, 417, 419, 428, 430, 434, 436, 440, 442, 449, 457, 462, 463, 464, 468, 471, 472, 473, 474, 475, 476, 480, 488, 494, 497, 500, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 716)



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 OF AND SKETCH

Items 4-9 Incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

If riveted describe seams fully on reverse side of form.

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (I.D.) _____ In. Thickness _____ Inches or Gage Number _____ Type _____
 (Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Allowance _____ In. Corrosion _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

If riveted describe seams fully on reverse side of form.

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

7. NOZZLES:

Purpose (Safety, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

8. INSPECTION MANHOLES, No. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

9. SUPPORTS: Skirt _____ Lug _____ Other _____ Attached _____
 (Yes or No) (Number) (Describe or Attach Sketch) (Where & How)

¹ If riveted, describe seams fully on reverse side of form.
² List units item 3 other internal or external pressures with convenient temperature when applicable.



0 0 4 2 4 0 2 5 4

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

A Part of an In-fired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

1. (a) Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) NIAGRA MOHAWK UNIT

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 373, 379, 498, 753, 538, 541, 549, 551, 561, 655, 67

(a) Constructed According to Blueprint 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date July 31 19 67 Signed General Electric Co. By [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in the 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 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 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 7-31-67 19 67
[Signature] Inspector's Signature
Commission 261706 National Board or State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

5. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S. Location (Top, Bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave) If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAY BOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Hors.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°)

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary, Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment (Welded, Bolted) Floating, Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) P.D. In. Thickness In. or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or P.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S. Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave) If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°)

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OR RELIEFS: Number Size Location

Table with 8 columns: Nozzle Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location

19. OPENINGS: Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) (Other (Describe)) Attached (Where & How)

If post-weld heat-treated. List under item 3 other internal or external pressures with coincident temperature when applicable.



0 0 4 2 4 0 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 Curtner Ave., San Jose, California
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagara Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date August 8 19 67 signed General Electric Co. By J. W. Walker
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11-67 19 67
J. W. Walker Inspector's Signature Commission 583 (7) J. S. Nat'l Board of State and N.

SEP 13 1967



FORM 11-2 (back)
THIS FORM NOT APPLICABLE TO SEE BLUEPRINT 257E1795G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

5. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. (Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F)

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches of Gauge Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. (Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F)

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES: Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Lugs _____ Other _____ Attached _____
(Type or No.) (Material) (Describe)

1 If postweld heat treated.
 2 List under item 1 other internal or external pressures with resultant temperature when applicable.

100-100000



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 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03852-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 46-23	General Electric	71-719	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-03852-00 at core location 46-23.

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 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.

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 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 [Signature] 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 11/15/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

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 : A8846 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: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. 1361-2 Class 1

3. REMARKS: 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

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 ASME 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 [Signature]
 (NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2
 Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1
 Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

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 3/2, 1997 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 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.

3/2, 1997 Date [Signature] Inspector's Signature NC 1231, Ohio, WC 3686 PA National Board, State, Province And 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)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. ¹ _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. ¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ (Material, Spec. No., T.S. Size Number) Other fastening _____ (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)

Drop Weight _____
 Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. ¹ _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. ¹ _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____ (Describe or attach sketch)

Drop Weight _____
 Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) _____ Number _____ Dia. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____

17. Inspection Openings: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If Postweld Heat-Treated.

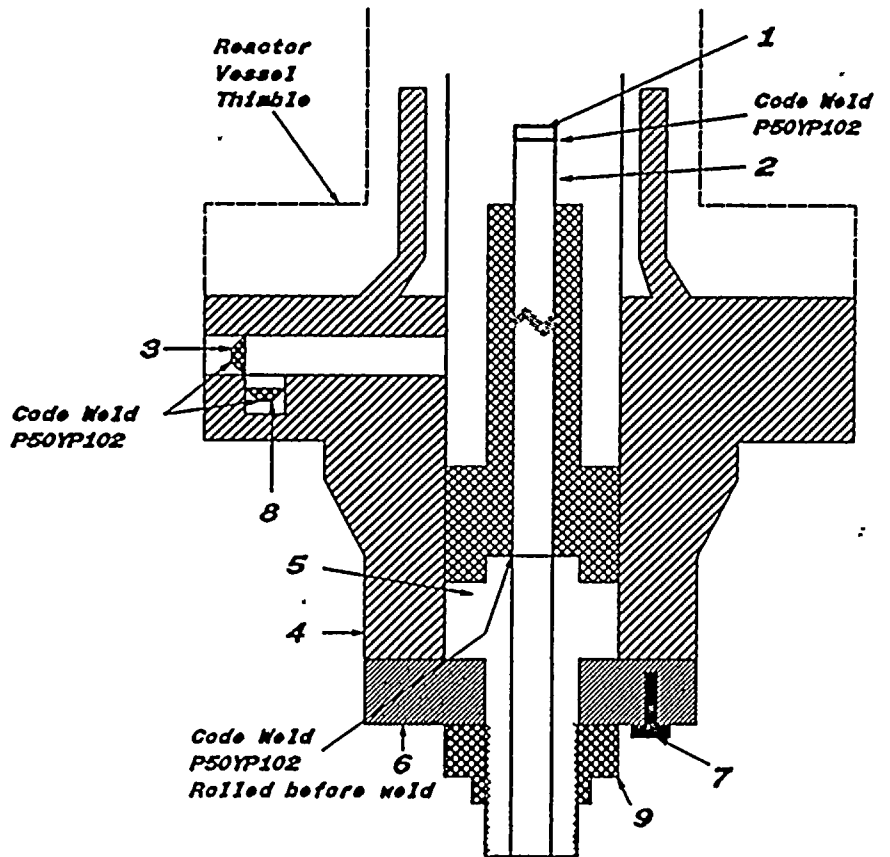
2 - List other internal or external pressure with coincident temperature when applicable.

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

1. 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 : A8846 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: Cylinder Tube & Flange
- (c) Applicable ASME Code; Section III, Edition 1974, Addenda Date W75, Case No. 1361-2 Class 1
3. REMARKS: 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 166B9274P001
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.





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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03336-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 46-27	General Electric	7451	N/A	NC02 CLASS 1	1977	REPLACEMENT	Yes

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 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 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 G. Seiden For S. DODY, MANAGER MAINT-01 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 11/21/96 to 7/20/97, 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 Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 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 : A8875 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: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. 1361-2 Class 1
3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psl. min.
(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 ASME 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 Ed Bryant
(NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

Design information on file at: GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2

Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1

Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

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 3/12, 1997, 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 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.

Date

3/12, 1997

Inspector's Signature

James P. Egan

NC 1231, Ohio, WC 3686 PA
National Board, State, Province And 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)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Kind & Spec. No.) (Min. of Range Specified)
5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____
6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
- | | | | | | | | | | |
|-----|-------------------------------|-----------|--------------|----------------|------------------|--------------------|----------------------|---------------|-----------------------------------|
| | Location (Top Bottom, Ends) | Thickness | Crown Radius | Knuckle Radius | Elliptical Ratio | Concial Apex Angle | Hemispherical Radius | Flat Diameter | Side to Press. (conv. or conc.) |
| (a) | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| (b) | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
- If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)
7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if bolts, describe or sketch)
- Drop Weight _____
 Charpy Impact _____ ft-lb
8. Design pressure ² _____ 1250 psi at _____ 575 ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)
- Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____
10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(St. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Kind & Spec. No.) (Min. of Range Specified)
12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____
13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
- | | | | | | | | | | |
|-----|-------------------|-----------|--------------|----------------|------------------|--------------------|----------------------|---------------|-----------------------------------|
| | Location | Thickness | Crown Radius | Knuckle Radius | Elliptical Ratio | Concial Apex Angle | Hemispherical Radius | Flat Diameter | Side to Press. (conv. or conc.) |
| (a) | Top, bottom, ends | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| (b) | Channel | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
- If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)
- Drop Weight _____
 Charpy Impact _____ ft-lb
14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____
16. Nozzles:
- | Purpose (Inlet, Outlet, Drain) | Number | Dia. or Size | Type | Material | Thickness | Reinforcement Material | How Attached |
|--------------------------------|--------|--------------|-------|----------|-----------|------------------------|--------------|
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
17. Inspection Openings: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If 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

1. 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 : A8875 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: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75; Case No. 1361-2 Class 1

3. REMARKS: Standard part for use with Reactor. Hydrostatically tested at 1825 psi. min.
 (Brief description of service for which component was designed)

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

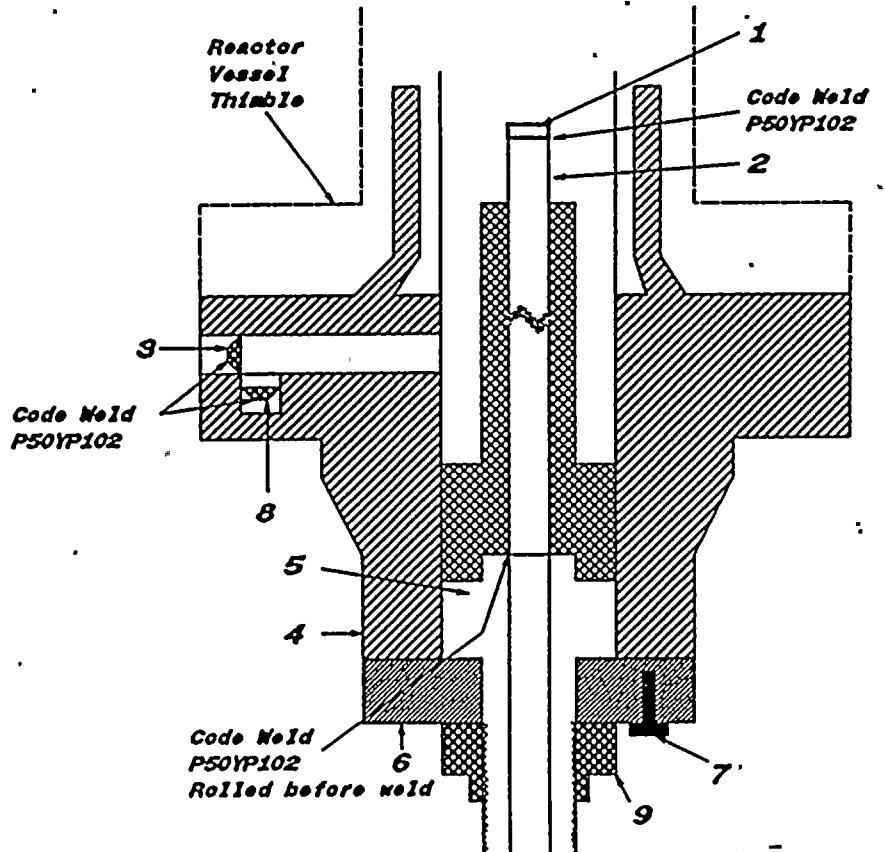
5. Head 129B3539P005
 SA182 - F304
 7/8" thick x 2.875" dia.

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.



14



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 21, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03850-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 46-31	General Electric	71-540	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and (2 ea.) flange capscrews per ASME Work Plan in Work Order 96-03850-00 at core location 46-31.

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 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.

FORM NIS-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 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 G. Jule For S. DOTY, MANAGER 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 11/15/96 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.

Lynn D. Carlson Commissions NB8446 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 1997

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 : 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: Cylinder Tube & Flange

(c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. 1361-2 Class 1

3. REMARKS: 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

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 ASME 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 CSBryant
 (NPT Certificate Holder) (SC QA Representative)

Certificate of Authorization Expires: 6/16/99 Certification of Authorization No. : NPTN-1151

Certification of Design for Appurtenance

Design information on file at GE Company, San Jose, California

Stress analysis report on file at GE Company, San Jose, California

DC22A6253 Rev. 2
 Design specification certified by B.N. Sridhar Prof. Eng. State Calif. Reg. No. 18345

DC22A6254 Rev 1
 Stress analysis report certified by Edward Yoshio Prof. Eng. State Calif. Reg. No. M018646

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 3/12, 1997, 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 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.

3/12, 1997 James P. Evers NC 1231, Ohio, WC 3686 PA
 Date Inspector's Signature National Board, State, Province And 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)

Items 4-8 Incl. to be completed for single wall vessels, jackets vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top Bottom, Ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (conv. or conc.)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S. Size Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. if bar give dimensions, if bolts, describe or sketch)

Drop Weight _____
 Charpy Impact _____ ft-lb

8. Design pressure ² _____ 1250 _____ psi at _____ 575 _____ ° F at temp of _____ ° F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11 - 14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Concial Apex Angle	Hemispherical Radius	Flat. Diameter	Side to Press. (conv. or conc.)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

Drop Weight _____
 Charpy Impact _____ ft-lb

14. Design pressure ² _____ psi at _____ ° F at temp of _____ ° F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Hozzles: Purpose (Inlet, Outlet, Drain) _____ Number _____ Dia. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____

17. Inspection Openings: Manholes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

1 - If 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

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

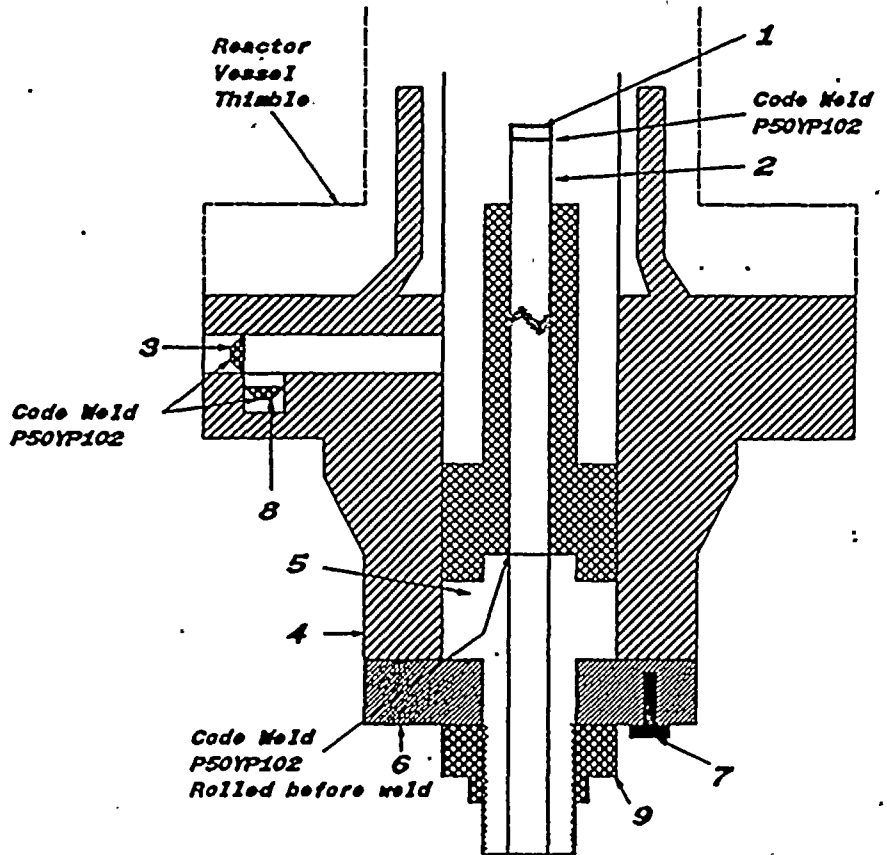
3901 Castle Hayne Road, Wilmington, North Carolina 28401
 (Name and Address of NPT Certificate Holder)

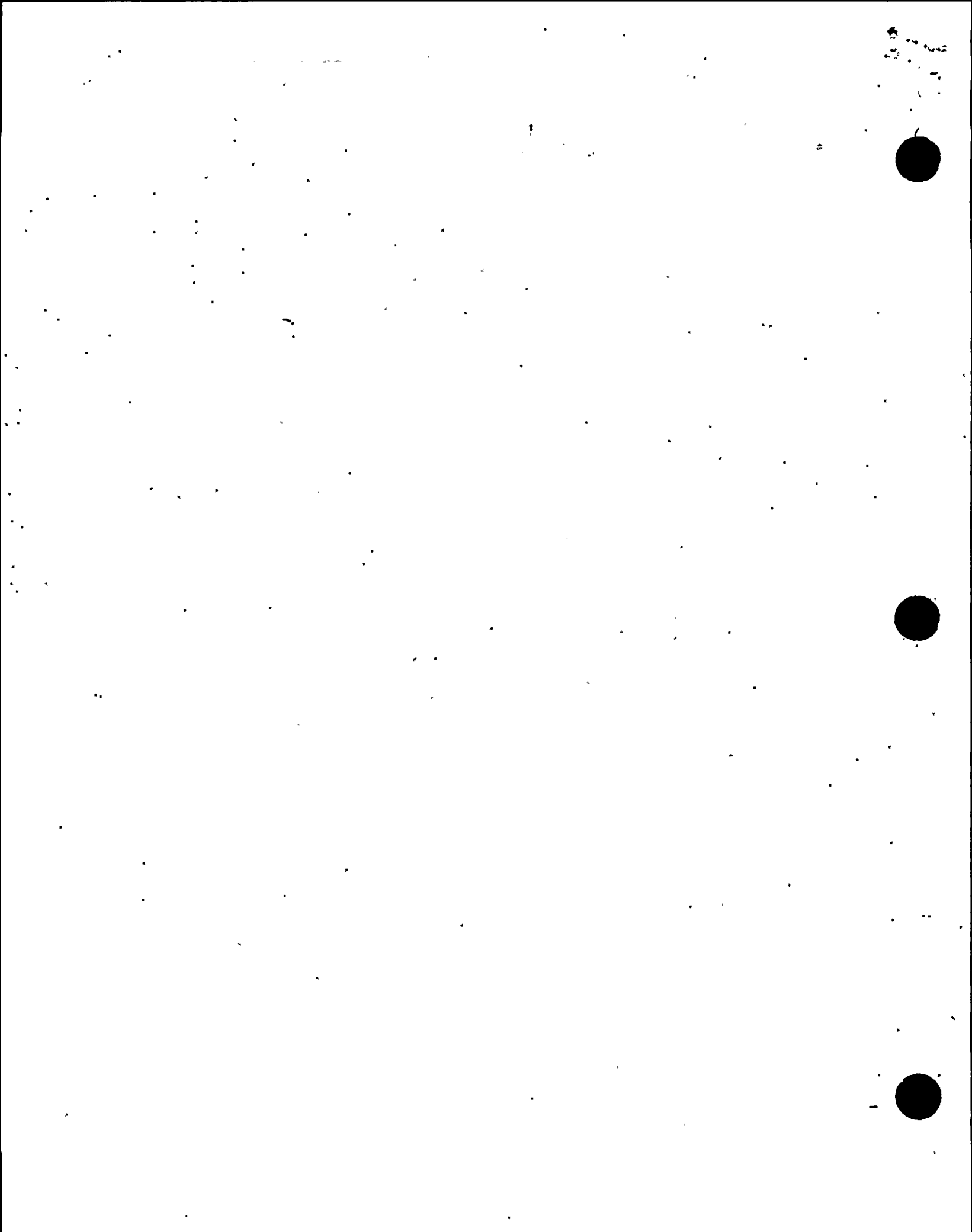
(b) Manufactured for : Nine Mile Point 1 Lycoming, New York 13093
 (Name and Address of N Certificate Holder for completed nuclear component)

2. Identification - Certificate Holder's S/N of Part : 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: Cylinder Tube & Flange
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda Date W75, Case No. 1361-2 Class 1
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 166B9274P001
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.





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 20, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03848-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 50-19	General Electric	71-361	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-03848-00 at core location 50-19.

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 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.

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed Steven J. Mint Manager 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 11/15/96 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.

Lynn Carlson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97

U U 0 2 5 2
FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

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

Manufactured by General Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk Unit 1

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 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.

Date July 25 19 67 signed General Electric Co. By *J. W. Fisher*
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31, 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11-67
Inspector *J. W. Fisher* State of California

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- 71: - 334, 337, 338, 341, 348, 349, 368, 394, 399, 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, 503, 511, 514, 519, 521, 529, 539, 540, 543, 552, 555, 556, 562, 563, 564, 566, 569, 572, 573, 578, 582, 583, 585, 589, 595, 596, 617, 621, 627, 628, 630, 634, 635, 636, 638, 639, 640, 644, 645, 646, 649, 650, 651, 658, 659, 661, 663, 665, 666, 671, 676, 678, 682, 701, 705, 707, 719, 722, 729, 730, 732, 198, 526, 560, 592, 614, 625, 633, 664, 723, 344, 559, 615, 237, 330, 598, 652, 716



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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
(Name and address of manufacturer of part)

(b) Manufactured for Stock item - standard part for use with GE Boiling Water Reactor at Niagra Mohawk Unit 1
(Name and address of manufacturer of boiler or vessel)

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. 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

On August 8 19 67 signed General Electric Co. by W. J. Fisher
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in this 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 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 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 7-11-67 19 67
W. J. Fisher Inspector's signature Commission (82) 706 National Board of State and N.

SEP 13 1967

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FORM 11.2 (back)
THIS FORM NOT APPLICABLE TO SELF-REINFORCED SHEET METAL AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)
 Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.

5. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Bolt, Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAY BOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as gage & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. (Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.)

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material: _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Subject to Pressure) (Welded, Bolted)
 Floating. Material _____ Kind & Spec. No. _____ Diam. _____ In. Thickness _____ In. Attachment _____

11. TUBES: Material _____ O.D. _____ In. Thickness _____ Inches or Gage Number _____ Type _____
(Kind & Spec. No.) (Straight or U)
 Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____
(Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)
 Nominal Thickness _____ In. Corrosion Allowance _____ In. Diam. _____ Ft. _____ In. Length _____ Ft. _____ In.

13. SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Bolt, Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top, bottom, ends _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel _____	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. (Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.)

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

18. INSPECTION MANHOLES, NO. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Type or No. _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where) _____

If post-weld heat treated. Not under internal or external pressure with ambient temperature when applicable.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 OF AND SKETCH

Items 4-9, incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Diam. _____ Ft. _____ in. Length _____ Ft. _____ in.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a)	_____	_____	_____	_____	_____	_____	_____	_____
(b)	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
 (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
 (Describe as edge & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) _____ °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary, Material _____ Diam. _____ in. Thickness _____ in. Attachment _____
 (Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)
 Floating, Material _____ Diam. _____ in. Thickness _____ in. Attachment _____
 (Kind & Spec. No.)

11. TUBES: Material _____ (Kind & Spec. No.) O.D. _____ in. Thickness _____ in. or Gage Number _____ Type _____
 (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

SHELL: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Diam. _____ Ft. _____ in. Length _____ Ft. _____ in.
 (Kind and Spec. No.) (Fig. or F.D. & Spec. Min. T.S.)

SEAMS: Long _____ H.T. _____ X.R. _____ Sectioned _____ Efficiency _____ %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth _____ H.T. _____ X.R. _____ Sectioned _____ No. of courses _____

If riveted describe seams fully on reverse side of form.

4. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
 (Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
 (Describe or Attach Sketch)

15. Constructed for max. allowable working press. _____ psi at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F.

Items below to be completed for all vessels where applicable.

6. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Purpose (Inlet, Outlet, Drain)	Number	Diam. & Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____

3. INSPECTION Manholes, No. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

7. SUPPORTS: Skirt _____ (Yes or No) _____ Legs _____ (Number) _____ Other _____ (Describe) Attached _____ (How & No.)

If riveted describe seams fully on reverse side of form. List on the form other internal or external pressures with corresponding temperatures 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 Electric Co., APED, 175 Curtner Ave; San Jose, California
(Name 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 boiler or vessel) Niagra Mohawk Unit

2. Identification—Manufacturer's Serial No. of Part 71: -34367, 373, 379, 496, 453, 538, 541, 549, 551, 561, 655, 675

(a) Constructed According to Blueprint 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 materials, construction, and workmanship of this vessel conform to the ASME Code.

Date July 31 19 67 Signed General Electric Co. By [Signature]
(Manufacturer) (Representative)

Certificate of Authorization Expires December 31 19 67

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 CALIFORNIA and employed by Division of Industrial Safety of Department of Industrial Relations have inspected the part of a pressure vessel described in the 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 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 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 7-31-67 19 67
[Signature] Inspector's Signature Commission Cal 706 Nat'l Board of State and No.



THIS FORM NOT APPLICABLE - SEE BLUEPRINT 237E179 G1 AND SKETCH

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency % Girth H.T. X.R. Sectioned No. of Courses

If riveted describe seams fully on reverse side of form.

6. HEADS: (a) Material T.S. (b) Material T.S.

Table with columns: Location (Top, Bottom, ends), Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex angle, Hemispherical Radius, Flat Diameter, Side to Pressure (Convex or Concave)

If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (HORIZ.) X (VERT.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as edge & weld, bar, etc. If bar, give dimensions. If bolted, describe or sketch)

9. Constructed for max. allowable working press. 1250 psi at max. temp. 575 °F. Min. temp. (when less than -20°) °F.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. (Subject to Pressure) In. Thickness In. Attachment (Welded, Bolted)

Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material (Kind & Spec. No.) O.D. In. Thickness Inches or Gage Number Type (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material (Kind and Spec. No.) T.S. (Fig. or F.D. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) X.R. (Spot or Complete) Sectioned (Yes or No) Efficiency %

Girth H.T. X.R. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS: (a) Material T.S. (b) Material T.S. (c) Material T.S.

Table with columns: Location, Thickness, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex angle, Hemispherical Radius, Flat Diameter, Side to Pressure (Convex or Concave)

If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b)

(c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press. psi at max. temp. °F. Min. temp. (when less than -20°) °F.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number Size Location

Table for SOZZLES with columns: Purpose (Inlet, Outlet, Inlet), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, How Attached

18. INSPECTION Manholes, No. Size Location

19. OPENINGS: Handholes, No. Size Location Threaded, No. Size Location

19. SUPPORTS: Skirt (Yes or No) Legs (Number) (Other (Describe)) Attached (Where & To)

If post-weld heat-treated. List under item 3 other internal or external pressures with ambient 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. Owner Niagara Mohawk Power Corporation Date March 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02662-20
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
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes, or No)
CRD 50-27	General Electric	6840	N/A	NC02 CLASS 1	1977	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD and (2 ea.) flange capscrews per ASME Work Plan in Work Order 96-02662-20 at core location 50-27.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: NI-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 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.

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. 1-2.01-97-0084 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

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. G. Lulea For S. DOTY, MANAGER 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 4/14/96 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.

Lynn W. Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

FORM N-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, N. C.
(Name and address of Manufacturer of part)
- (b) Manufactured for General Electric Co., San Jose, Calif.
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturers's Serial No. of Part 6810 Nat'l Id. 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 None, Case No. 1361 Class 1
3. Remarks: Standard part for use with reactor
(Brief description of service for which component was designed)
Hydrostatically tested at 1820 psi.

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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.)

Date 12-28 1977 Signed GE NEPD-WHD-EH By Charles F. Brewer
(Manufacturer)

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-WHD-EH, Castle Hayne Rd., Wilmington, N.C.

Stress analysis report on file at General Electric Co., NEPD-WHD-EH, Castle Hayne Rd., Wilmington, N.C.

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

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 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 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 accordance with the ASME Code Section III.

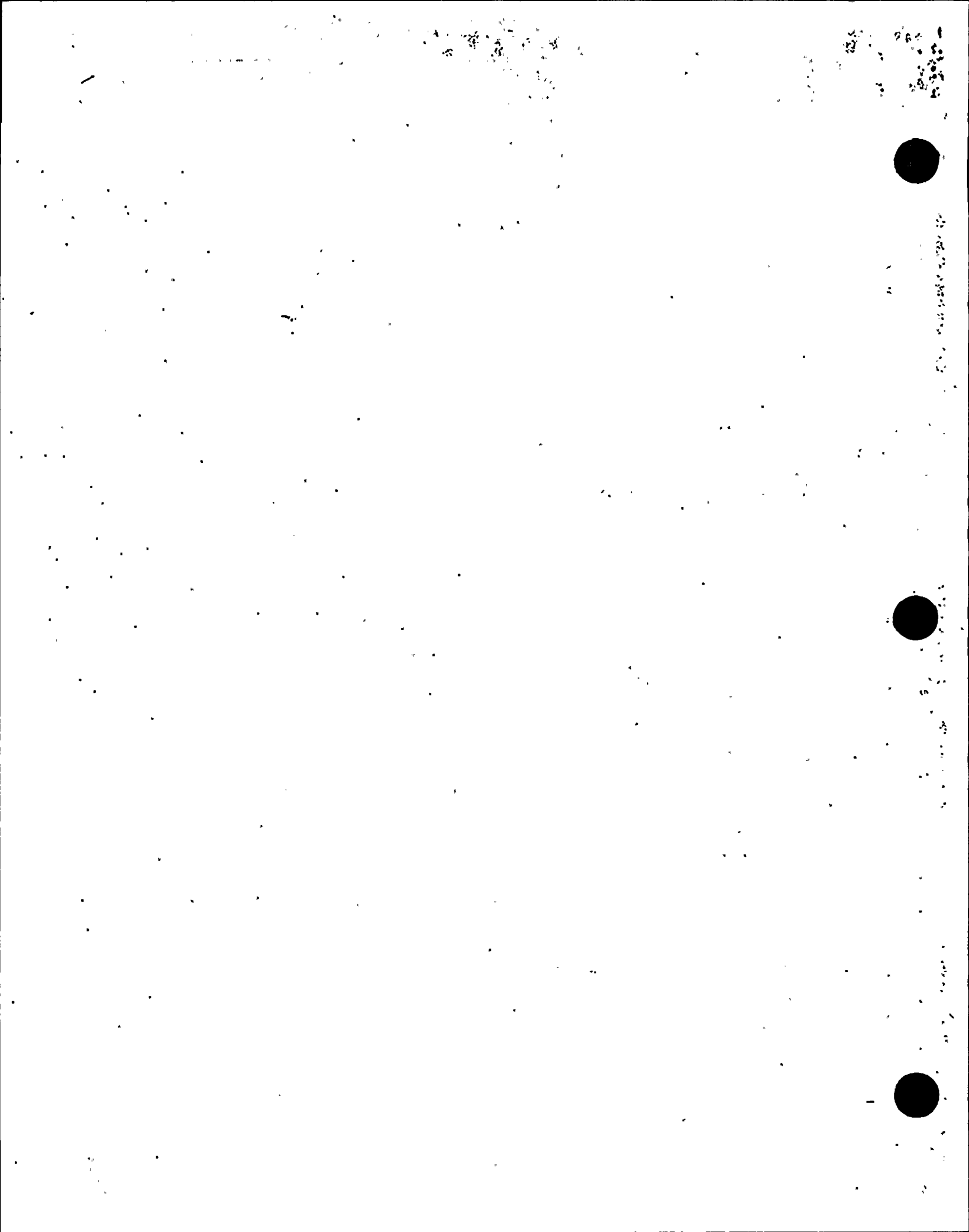
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property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

Date 12/31 1977

JF Skandly Inspector's Signature

Commissions NC 799, PA EC2160, Ohio
National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1-3 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".



Items 4-6 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) _____
(b) _____

If removable, bolts used _____ (Material, Spec. No., T.S., Size, Number) Other fastening _____ (Describe or attach sketch)

7. Jacket Closure: _____ (Describe as pipe and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure? _____ 1250 _____ psi at _____ 575 _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____ (Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches _____ Number _____ Type _____ (Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends _____

(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____ (Describe or attach sketch)

14. Design pressure? _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

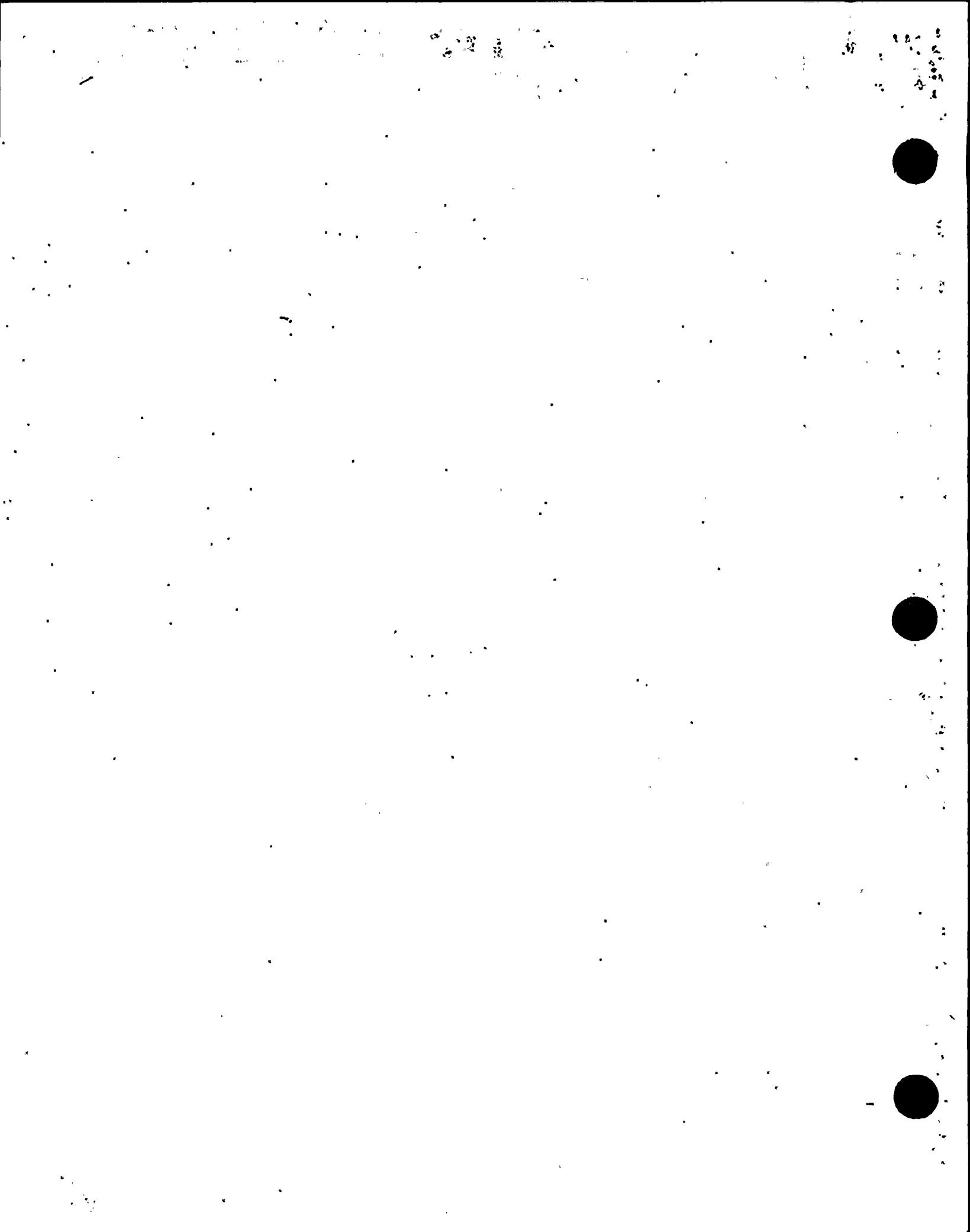
Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ (Yes or No) (Number) Legs _____ (Number) Other _____ (Describe) Attached _____ (Where & How)

¹If Postweld Heat-Treated.

²List other internal or external pressure with coincident temperature when applicable.



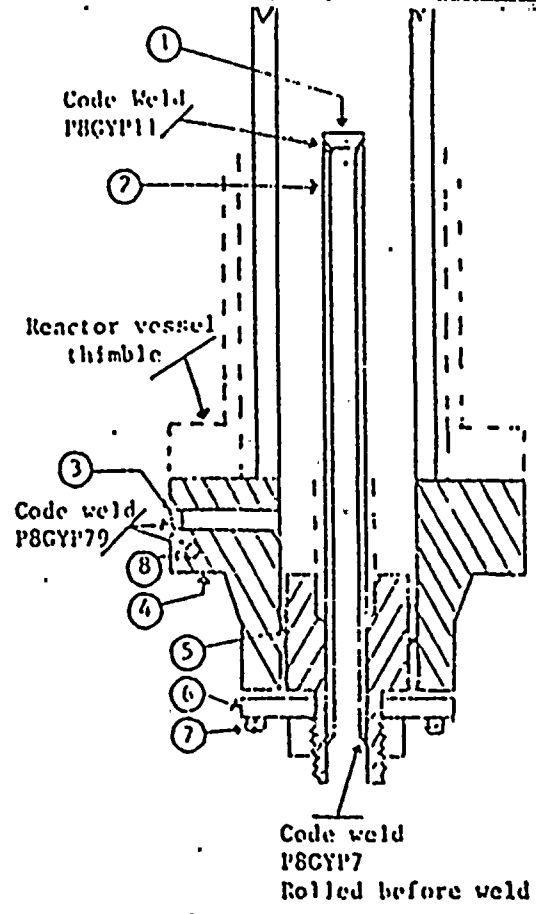
"ATTACHMENT TO"

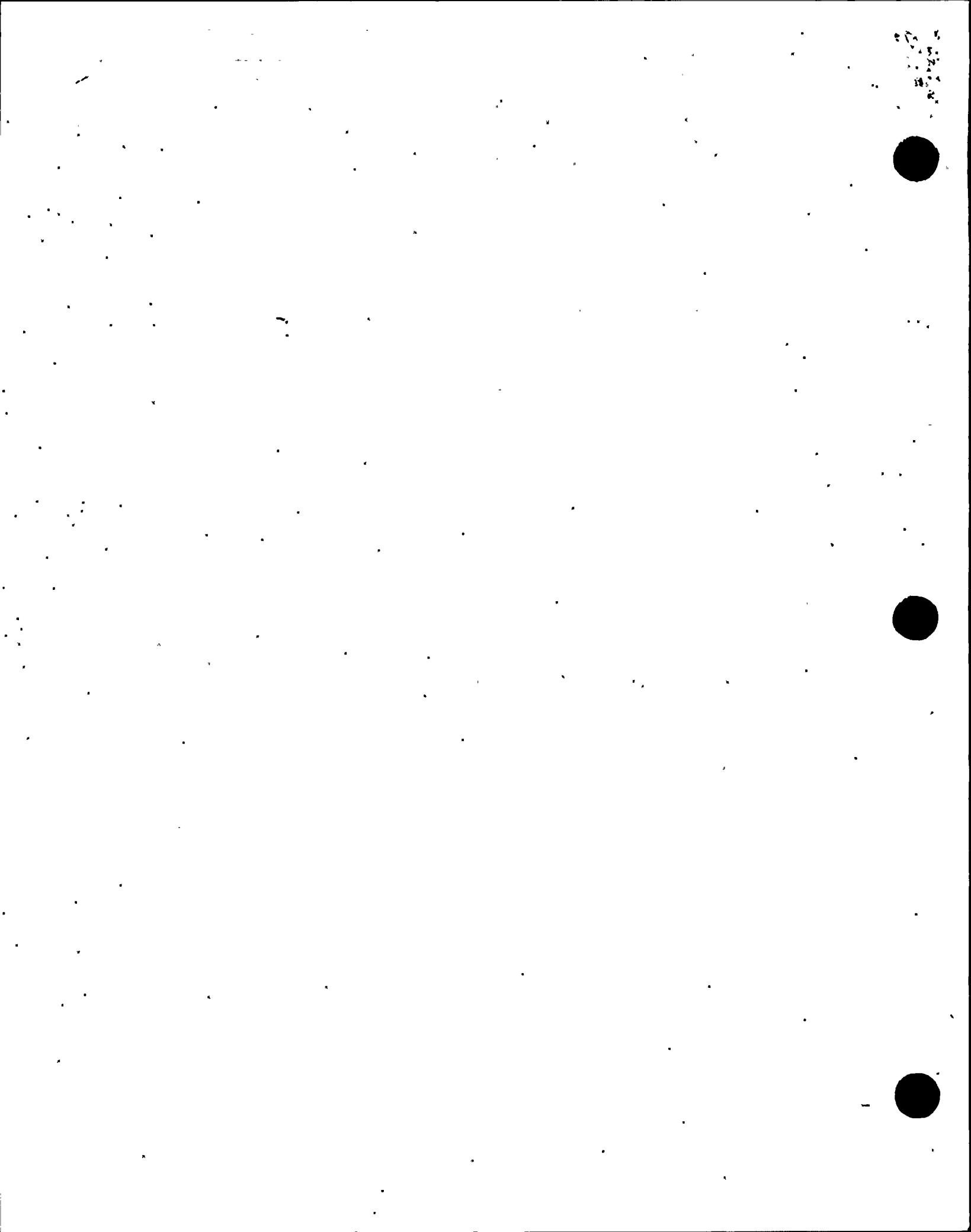
FORM N-9 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provisions of the ASME Code Rules.

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N. C.
(Name and address of Manufacturer of part)
- (b) Manufactured for General Electric Co., San Jose, Calif.
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 6810 Part ID, No. _____
- (a) Constructed According to Drawing No. 91992586002 Drawing Prepared by D. L. Peterson
- (b) Description of Part Inspected Cylinder Tube and Flange
- (c) Applicable ASME Code: Section III, Edition, 1974, Addendata None, Case No. 1361, Class, 1
3. Remarks: Standard part for use with reactor.
(Brief description of service for which component was designed)
- Hydrostatically tested at 1820 psi.

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8 thick x 1 1/16 OD
2. 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
4. Flange 919D610P1 (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 129B3539P1
 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 ca. 1/2 dia. on 4 1/8 bolt circle
8. Plug 175A7961P1
 SA182-F304
 0.38 thick x 1.307 dia.





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 21, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03849-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
CRD 50-35	General Electric	71-555	N/A	NC02 CLASS 1	1967	REPLACEMENT	Yes

7. Description of Work Replace Control Rod Drive with rebuilt spare as part of preventive maintenance. Replaced CRD per ASME Work Plan in Work Order 96-03849-00 at core location 50-35.

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 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 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. 71-555 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] Marine 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 11/15/96 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.

[Signature] Commissions NY 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 1997

FORM N-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, N. C.
(Name and address of Manufacturer of part)
- (b) Manufactured for General Electric Co., San Jose, Calif.
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 7152 Nat'l Id. 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 None, Case No. 1361 Class 1
3. Remarks: Standard part for use with reactor
(Brief description of service for which component was designed)
- Hydrostatically tested at 1820 psi.

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.)

Date 12-28, 19 77 Signed GE HEPD-WHD-EH By Charles F. Brewer
(Manufacturer)

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., HEPD-WHD-EH, Castle Hayne Rd., Wilmington, N.C.

Stress analysis report on file at General Electric Co., HEPD-WHD-EH, Castle Hayne Rd., Wilmington, N.C.

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

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 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

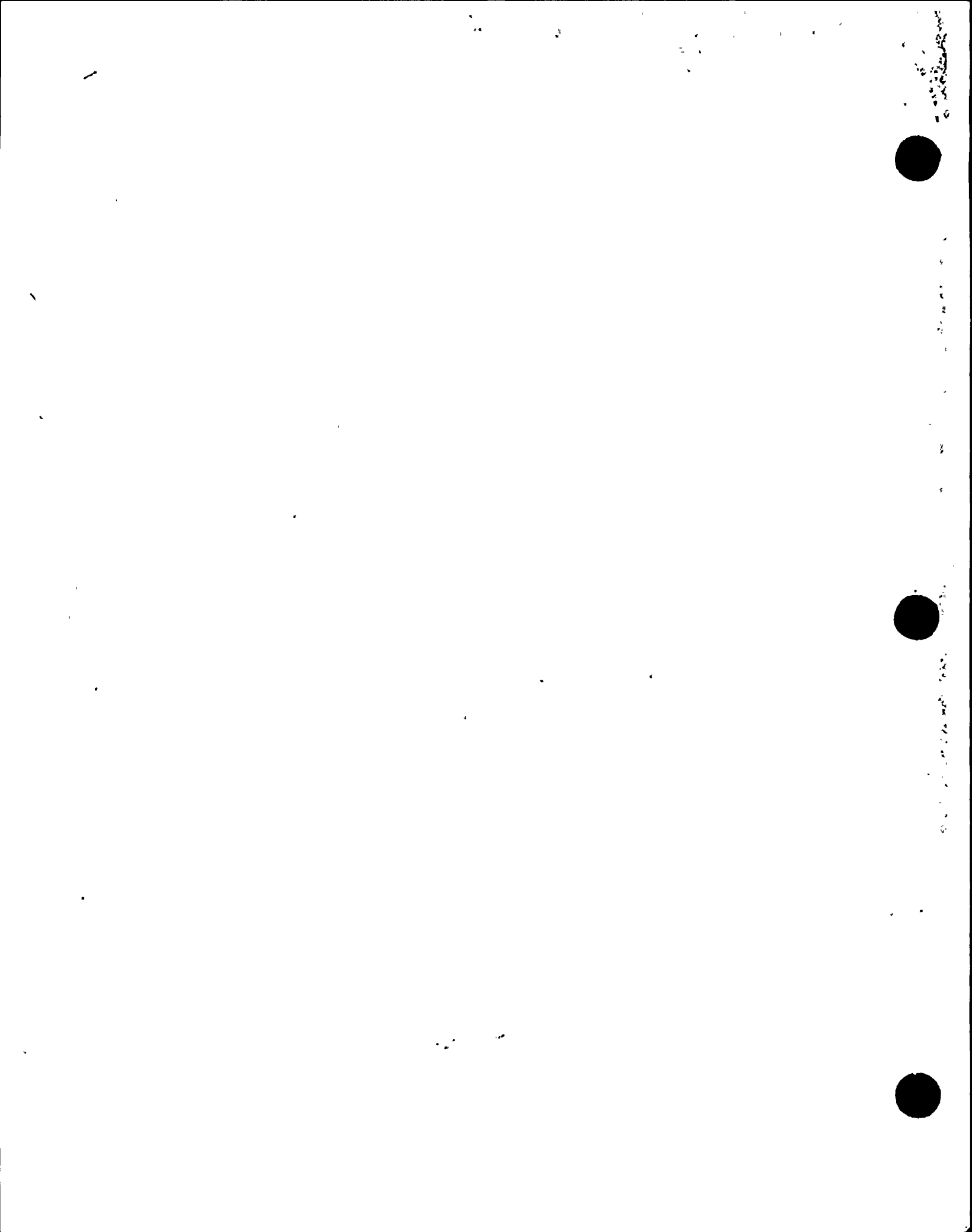
Manufacturer's Partial Data Report on _____ 19____, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

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 12/31 19 77
J. Skamalyja
Inspector's Signature

Commission NC 799, PA NC2160, Ohio
National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in Items 1a) 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".



Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
---------------------------------	-----------	-----------------	-------------------	---------------------	-----------------------	-------------------------	------------------	------------------------------------

(a) _____

(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as gage and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure? _____ 1250 _____ psi at _____ 575 _____ °F
Drop Weight _____
Charpy Impact _____ (ft-lb)
at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

0 Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
----------	-----------	-----------------	-------------------	---------------------	-----------------------	-------------------------	------------------	------------------------------------

(a) Top, bottom, ends _____

(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure? _____ psi at _____ °F
Drop Weight _____
Charpy Impact _____ (ft-lb)
at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes, No. _____ Size _____ Location _____

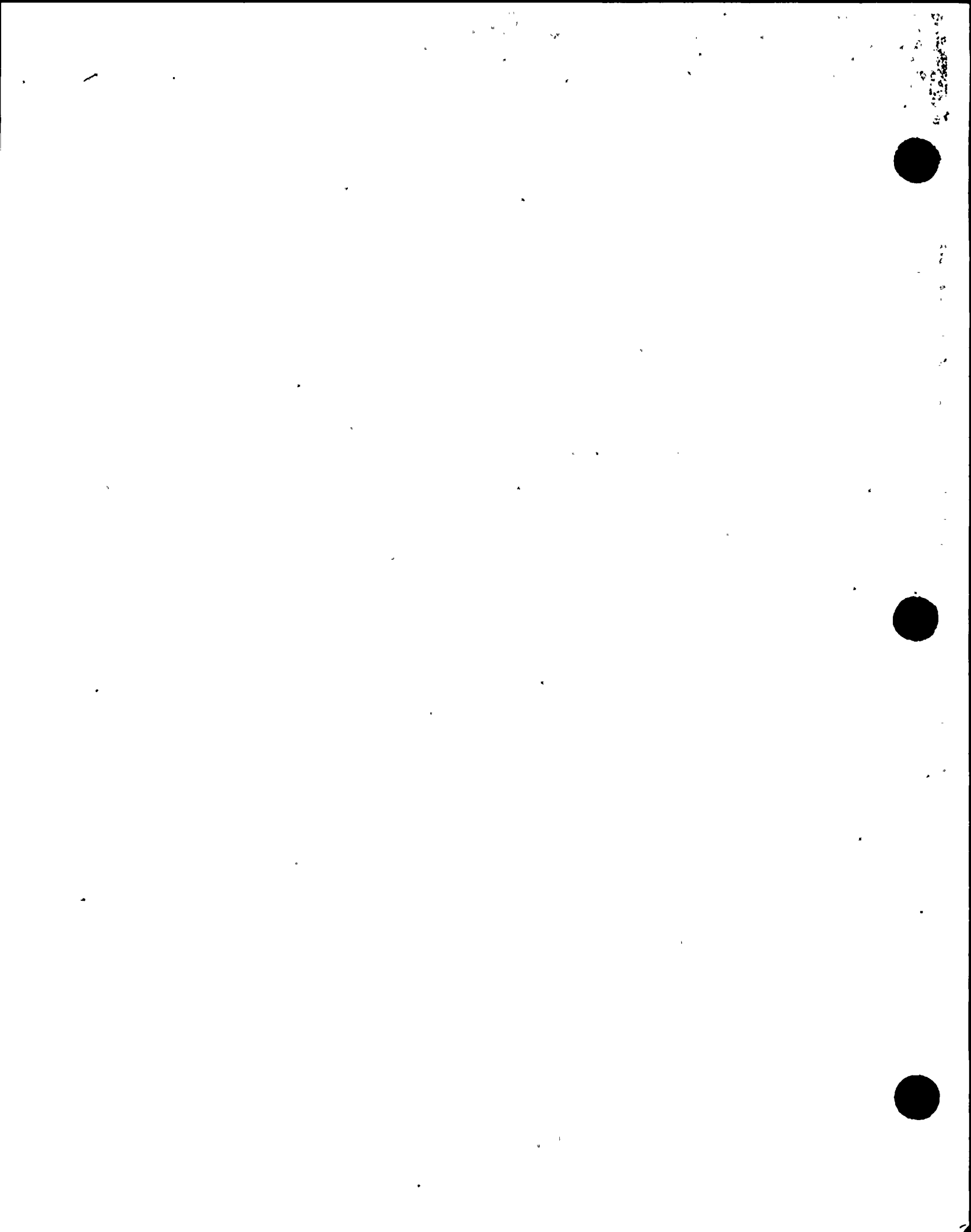
Openings: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) Attached _____ (Weld & How)

¹ If Post-weld Heat-Treated.

² List other internal or external pressure with coincident temperature when applicable.

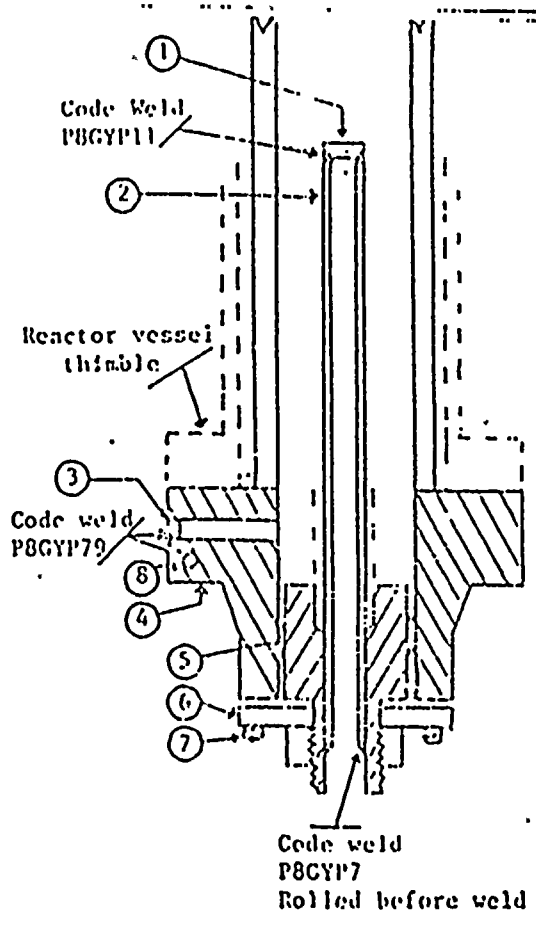


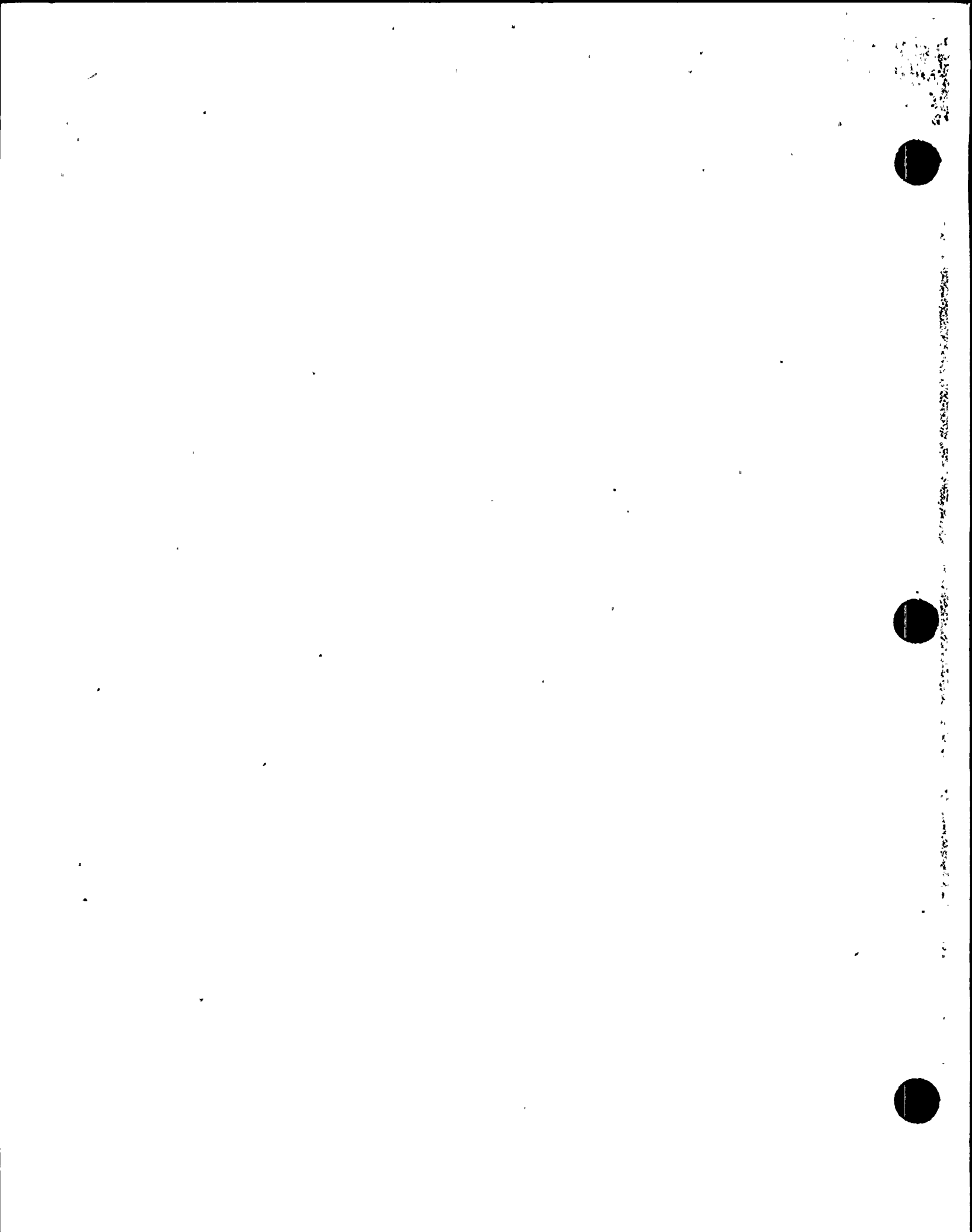
"ATTACHMENT TO"
 FORM N-2 MANUFACTURER'S DATA REPORT FOR NUCLEAR PIPING AND APPURTENANCES*

As required by the Provisions of the ASME Code Rules.

1. (a) Manufactured by General Electric Co., Castle Hayne Rd., Wilmington, N. C.
(Name and address of Manufacturer of part)
- (b) Manufacture for General Electric Co., San Jose, Calif.
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 7152 Nat'l Id. 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 None, Case No. 1361, Class, 1
3. Remarks: Standard part for use with reactor
(Brief description of service for which component was designed)
- Hydrostatically tested at 1820 psi.

1. Cap 167A2343P1
 (167A2343)
 SA182-F304
 3/8 thick x 1 1/16 OD
2. Indicator Tube 104B1336P1
 SA312-Ti316
 3/4 sch 40-seamless pipe
 0.113 wall thickness
 1.065 max. dia.
- Plug 159A1176P1
 SA182-F304
 1/4 thick x 0.812 OD
- Flange 919D610P1 (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 129B3539P1
 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.





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 April 25, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-00594-02
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
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
39-A2	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Attached supports 110-SR6 and 110-A104 which are not ASME XI, to support 39-A2 which is ASME XI and in the ISI program plan. Installation was completed in accordance with ASME work plan, W.O. 97-00594-02, DDC 1M00386 and DDC 1M00332B.

8. Tests Conducted: N/A. Pressure test not required.

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 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.

FORM HIS-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 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 Steve J. [Signature] Date 7-27, 19 97
Owner or Owner's Designee, Title Maint Manager

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 3/31/97 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 W Anderson Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date January 14, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-03412-00
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 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
39-HS-02	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Replaced cylinder in accordance with ASME work plan, W.O. 95-03412-00 and procedure N1-MMP-GEN 350.

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 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.

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 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.

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 Steve [Signature] 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 1/13/97 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 D. Orleson Commissions NB 8486 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date January 18, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
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
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
39-HS-06	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No

7. Description of Work Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plan, Work Order No. 96-00604-00 and Procedure No. N1-MMP-GEN-350.

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 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.

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

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 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 [Signature] Date 7.21, 19 97.
Owner or Owner's Designee, Title Maint Manager

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 11/5/97 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.

[Signature] Commissions NY 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date January 18, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-00607-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
39-HS-08	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No

7. Description of Work Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plan. Work Order No. 96-00607-00 and Procedure No. NI-MMP-GEN-350.

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 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.

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

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. 1-2.01-97-0005.

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 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.

[Signature] 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 MAY 5, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 97-01779-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System LIQUID POISON (SYSTEM 41)

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

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)
TK-41-31	Sarracco Tank and Manufacturing Corp.	N/A	N/A	CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Installed new bolts on inspection cover and installed new bolts and nuts on manhole cover. Work was completed in accordance with ASME work plan, W.O. 97-01779-00 and DER disposition 1-97-1222.

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.

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

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 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 [Signature] Mint Manges 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 5/11/97 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.

[Signature] 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 March 29, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-03414-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Automatic Depressurization (SYSTEM 66)

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

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)
66-HS-06	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No

7. Description of Work: Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plan, Work Order No. 95-03414-00 and Procedure No. NI-MMP-GEN-350.

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 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.

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

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 3/11/97 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.

[Signature] 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 March 29, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No's. 96-00592-00 & 96-00592-01
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
Address Expiration Date N/A

4. Identification of System Automatic Depressurization (SYSTEM 66)
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

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)
66-HS-09	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No

7. Description of Work Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plans. Work Order No's. 96-00592-00, 96-00592-01 and Procedure No. NI-MMP-GEN-350.

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 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.

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

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 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 [Signature] 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 3/9/97 to 8/6/97, 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 8/6, 19 97

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 29, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-00595-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Automatic Depressurization (SYSTEM 66)

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

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)
66-HS-15	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No

7. Description of Work: Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plan. Work Order No. 96-00595-00 and Procedure No. NI-MMP-GEN-350.

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 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.

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

9. 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.

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 [Signature] 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 7/9/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date March 29, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-00625-00
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 Automatic Depressurization (SYSTEM 66)

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

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)
66-HS-18	LINDCO	N/A	N/A	HYDRAULIC SNUBBER CLASS 2	1969	REPLACEMENT	No

7. Description of Work: Rebuilt Hydraulic Snubber using replacement parts per ASME Work Plan, Work Order No. 96-00625-00 and Procedure No. N1-MMP-GEN-350.

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 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.

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

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 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 [Signature] 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 3/11/97 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.

[Signature] 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 November 11, 1996
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 95-03823-00
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 PCS PRIMARY CONTAINMENT STRUCTURE
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

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-68-02	Attwood / Morrill	N/A	N/A	CLASS 2	1968	REPLACEMENT	No

7. Description of Work: Replace "O" ring retainer as part of preventive maintenance. Replaced "O" ring retainer per ASME Work Plan in Work Order 95-03823-00 at 30" check valve CKV-68-02.

8. Tests Conducted:
Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: NI-ST-R10
Other Pressure 2.3 PSI Test Temp. N/A °F

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.

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

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed Ed B. Selman Full S. Duty, Planned Maintenance - 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 11/9/96 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.

Lynn W. Anderson Commissions NB8496 NY2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 5/16/95
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming New York 13093 Mechanical Maintenance W.O. 95-00149-03
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 Drywell and Torus Vacuum Relief (SYS 68)

5. (a) Applicable Construction Code AISC 1955 Edition 6TH 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

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)
68-SC-1	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
68-SC-2	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
68-SC-3	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No

7. Description of Work Installed tubing supports in accordance with W.O. 95-00149-03 Modification N1-95-002, DCR's N1-95-002LG008, N1-95-002LG009, and N1-95-002LG011. DER 1-96-1015 was written due to work being performed without the required ASME documentation.

8. Tests Conducted: None Required. Non pressure boundary work.

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 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.

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

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.

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 <u>None</u>	
Certificate of Authorization No <u>None</u>	Expiration Date <u>None</u>
Signed <u>Robt Muzzey for JCAldrich</u> <u>Maint Mgr-NMPI</u> Date <u>May 30</u> , 19 <u>97</u>	
<small>Owner or Owner's Designee, Title</small>	

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>5/25/97</u> to <u>5/30/97</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.	
<u>Egon W Anderson</u> Inspector's Signature	Commissions <u>NB 8496 NY 2812</u> National Board, State, Province, and Endorsements
Date <u>5/30</u> , 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 MARCH 24, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02129-06
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
Address Expiration Date N/A

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

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)
COOLING System 70	M.W. KELLOGG	N/A	N/A	CLASS 2	1969	REPLACEMENT	No

7. Description of Work: Replaced pipe nipples from Recirculation Pump 12 Cooler (HTX-70-352) due to a pre-existing pipe spring condition. Work was completed in accordance with ASME work plan and W.O. 96-02129-06.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: Sys. Inservice in accordance with IWA-5211C

Other Pressure _____ Test Temp. _____ °F

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.

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 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.

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 *Steve J. J...* *Maint Manager* Date 7-22, 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 3/14/97 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.

Tom W. Anderson 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 MARCH 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05044-00
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 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

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)
70-SCX-3C	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-SCX-3C in accordance with ASME work plan. W.O. 96-05044-00. 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

Other Pressure _____ Test Temp. _____ °F

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.

FORM HIS-2 (Back)
(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 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

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 [Signature] 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05041-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-SCX-3E	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-SCX-3E in accordance with ASME work plan, W.O. 96-05041-00, DDC 1S00080B, 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. _____ °F

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.

FORM NIS-2 (Back)
(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 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 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 [Signature] 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.

[Signature] Commissions NIB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05049-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-SCX-3I	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-SCX-3I in accordance with ASME work plan, W.O. 96-05049-00, DDC 1S00086B, 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. _____ °F

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.

FORM NIS-2 (Back)
(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 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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05045-00
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 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

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)
70-SCX-3K	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

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
 Other Pressure _____ Test Temp. _____ °F

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.

FORM NIS-2 (Back)
(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), 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

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 [Signature] 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05046-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-SCX-3R	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

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

Other Pressure _____ Test Temp. _____ °F

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.

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

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed *[Signature]* 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 24, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05047-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-SCX-3V	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-SCX-3V in accordance with ASME work plan, W.O. 96-05047-00, DDC 1S00080B, 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. _____ °F

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.

FORM NIS-2 (Back)
(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 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

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 [Signature] 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04538-02
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 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

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)
70-SCX-4A	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-SCX-4A in accordance with ASME work plan, W.O. 96-04538-02, DDC 1S00076A, DDC 1S00096A, dispositioned DER's 1-96-1811, 1-97-0309 and 1-97-0626.

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 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.

FORM NIS-2 (Back)
(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 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 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 [Signature] 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.

[Signature] Commissions NY 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04539-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-SCX-4B	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-SCX-4B in accordance with ASME work plan, W.O. 96-04539-00, DDC 1S00036B, DDC 1S00096A, dispositioned DER's 1-96-0864, 1-96-1811, 1-97-0309 and 1-97-0626.

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.

FORM NIS-2 (Back)
(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 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. 1-2.01-97-0058.

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 [Signature] [Signature] 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 7/22/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04551-00
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 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

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)
70-SCX-4E	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-SCX-4E in accordance with ASME work plan, W.O. 96-04551-00, DDC 1S00076A, 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. _____ °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 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

Signed [Signature] 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 7/22/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05042-00
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 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

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
70-XR-2A	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-2A in accordance with ASME work plan. W.O. 96-05042-00. DDC 1S00083A, dispositioned DER's 1-96-1811 and 1-97-0309.

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 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.

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

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 ASME Code, Section XI. repair, or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed [Signature] 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 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.

[Signature] Commissions NB8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-05043-00
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 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

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)
70-XR-2B	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-2B in accordance with ASME work plan, W.O. 96-05043-00, DDC 1S00083A, dispositioned DER's 1-96-1811 and 1-97-0309.

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.

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

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. repair or replacement

Type Code Symbol Stamp None

Certificate of Authorization No None Expiration Date None

Signed Del. G. Jelen for S. Dory 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 2/22/97 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.

Lynn D Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04548-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-XR-5A	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-5A in accordance with ASME work plan, W.O. 96-04548-00, DDC 1S00075B, DDC 1S00096A, dispositioned DER's 1-96-1811 and 1-97-0631.

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.

FORM HIS-2 (Back)
(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. 1-97-0058 for performance of visual examination of welds. This support is not in the ISI program plan therefore a PSI baseline examination was not required.

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 [Signature] 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04549-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-XR-5B	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-5B in accordance with ASME work plan. W.O. 96-04549-00. DDC 1S00075B, DDC 1S00096A, dispositioned DER's 1-96-1811 and 1-97-0631.

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.

FORM NIS-2 (Back)
(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. 1-97-0059 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 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 [Signature] 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 7/22/97 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.

[Signature] Commissions NB8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04550-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-XR-5C	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-5C in accordance with ASME work plan, W.O. 96-04550-00, 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. _____ °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 HIS-2 (Back)
(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 [Signature] 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 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04544-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-XR-5D	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

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. _____ °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 HIS-2 (Back)
(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-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

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 [Signature] 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 7/22/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04545-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-XR-6D	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-6D in accordance with ASME work plan. W.O. 96-04545-00. DDC 1S00078C, 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. _____ °F

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.

FORM HIS-2 (Back)
(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. 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 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 [Signature] 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 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 7/28/97, 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.

[Signature] Commissions NO 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

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

1. Owner, Niagara Mohawk Power Corporation Date MARCH 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04546-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-XR-6E	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-6E in accordance with ASME work plan. W.O. 96-04546-00. DDC 1S00078C. 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. _____ °F

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.

FORM NIS-2 (Back)
(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. 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 1/8" (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 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 [Signature] 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 2/25/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04547-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

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

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)
70-XR-6F	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Reworked support 70-XR-6F in accordance with ASME work plan, W.O. 96-04547-00, DDC 1S00078C, 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. _____ °F

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.

FORM NIS-2 (Back)
(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), 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 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 [Signature] 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 2/25/97 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/28, 19 97

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 1/09/97
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093. Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 1309 Mechanical Maintenance W.O. 96-00884-02
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp NA
Name Authorization No. NA
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Expiration Date NA
Address
4. Identification of System Containment Spray (80)
5. (a) Applicable Construction Code ASME III 19 80 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

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)
HTX-80-33	Joseph Oat Corporation	J-2479-C	N/A	Class 2	1985	Replacement	No

7. Description of Work Replaced one end cover bolt which was damaged during disassembly of heat exchanger during performance of preventive maintenance. Replacement was completed in accordance with W.O. 96-00884-02 and ASME section XI work plan.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-IST-GEN-FUN-3B
 Other Pressure System Test Temp. N/A °F

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.

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

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).

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	<u>None</u>
Certificate of Authorization No.	<u>None</u>
Expiration Date	<u>None</u>
Signed <u>[Signature]</u>	Date <u>1/9</u> 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 Vessel Inspectors and the State or Province of <u>NEW YORK</u> and employed by <u>ARKWRIGHT MUTUAL INS.CO.</u> of <u>MASSACHUSETTS</u> have inspected the components described in this Owner's Report during the period <u>6/28/96</u> to <u>1/9/97</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.	
<u>[Signature]</u>	Commissions <u>NIS 8496 NY 2812</u>
Inspector's Signature	National Board, State, Province, and Endorsements
Date <u>1/9</u> , 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 March 29, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-02558-01
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 CTN-SP CONTAINMENT SPRAY
 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

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-80-38	Crane	N/A	N/A	CLASS 2	1965	REPLACEMENT	No

7. Description of Work Performed modification to existing check valve by adding a 3" pipe over a 1" latrolet to accomodate future inspections. Modification per DDC 1F00117A and ASME Work Plan in Work Order 96-02558-01.

8. Tests Conducted: APPENDIX "J" LEAK RATE TESTING
 Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: N1-ISP-LRT-TYB ATT. 80-38
 Other Pressure _____ Test Temp. _____ °F

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.

FORM NIS-2 (Back)
(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

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 [Signature] for S. Ooty, MANAGER 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 8/15/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/30, 19 97

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 22, 1997
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03719-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CONTAINMENT SPRAY (SYSTEM 80)

5. (a) Applicable Construction Code ASA B31.1 (PIPING) 1955 Edition, N/A Addenda, N/A Code Case
AISC (SUPPORTS) 6TH Edition,
 (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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
80-H27	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPAIR	No

7. Description of Work Repair pipe support 80-H27 by welding per ASME Work Plan. Work Order No. 96-03719-00 and DDC No. 1S00034.

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 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.

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

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

We certify that the statements made in the report are correct and this repair 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 [Signature] 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 7/20/96 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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date APRIL 22, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-03720-00
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed By Niagara Mohawk Power Corp. Type Code Symbol Stamp N/A
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CONTAINMENT SPRAY (SYSTEM 80)

5. (a) Applicable Construction Code ASA 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
80-H32	M.W. KELLOGG	N/A	N/A	PIPE SUPPORT CLASS 2	1969	REPLACEMENT	No

7. Description of Work : Installed new base plate, Hilti's and regouted pipe support 80-H32. Work performed in accordance with ASME Work Plan, Work Order No. 96-03720-00, DDC No. 1S00078A and DER 1-96-0851.

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 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.

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 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 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 *[Signature]* Plant Manager 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 4/12/97 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 D Anderson Commissions NB 8496 NY 2812
Inspector's Signature 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. Owner Niagara Mohawk Power Corporation Date 3/21/95
Name
Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name
P.O. Box 63 Lycoming, New York 13093 Mechanical Maintenance, W.O. 95-00711-00 & 95-00824-00
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 Containment Spray (80)

5. (a) Applicable Construction Code AISC 19 55 Edition 6TH 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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
80-H82	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
80-H86	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
80-H87	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
80-SC47	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No
80-A13	MW KELLOGG	None	N/A	Class 2	1955	Replacement	No

7. Description of Work Installed tubing supports in accordance with W.O. 95-00711-00, W.O. 95-00824-00, Modification N1-95-002, DCR N1-95-002IG002, N1-95-002IG003, DDC 1S00162, DER 1-96-1015 was written due to work being performed without the required ASME documentation.

8. Tests Conducted: None Required. Non pressure boundary work.
 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 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.

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

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.

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 *Mar. W. Engug* 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 5/25/97 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.

Lynn W. Anderson Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/28, 19 97

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 April 28, 1997
Name
- Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address
2. Plant Nine Mile Point Unit 1
Name
- P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04762-05
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 REACTOR CONTAINMENT COOLING PURGE & FILL (SYSTEM 201)
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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
IV-201-16	ALLIS CHALMERS	N/A	N/A	BUTTERFLY VALVE CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Performed weld buildup of the inside diameter of the inboard flange to act as a retainer for the valve soft seat. Work was performed in accordance with ASME work plan, W.O. 96-04762-05, DDC 1M00359B and DER 1-96-3063.

8. Tests Conducted:
- Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: Sys. Functional in accordance with IWA 5211B
- Other Pressure _____ Test Temp. _____ °F

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.

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

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 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 [Signature] Plant Manager Date 7-22, 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 7/27/97 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.

[Signature] 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 April 28, 1997
Name

Nine Mile Point P.O. Box 63 Lycoming N.Y. 13093 Sheet 1 of 1
Address

2. Plant Nine Mile Point Unit 1
Name

P.O. Box 63 Lycoming, New York 13093 Mech. Maint. Work Order No. 96-04763-05
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 REACTOR CONTAINMENT COOLING, AIR PURGE & FILL (SYSTEM 201)

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

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S SERIAL No.	National Board No.	OTHER IDENTIFICATION	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
IV-201-08	ALLIS CHALMERS	N/A	N/A	BUTTERFLY VALVE CLASS 2	1969	REPLACEMENT	NO

7. Description of Work: Performed weld buildup of the inside diameter of the inboard flange to act as a retainer for the valve soft seat. Work was performed in accordance with ASME work plan, W.O. 96-04763-05, DDC 1M00359B and DER 1-96-3063.

8. Tests Conducted:

Hydrostatic Pneumatic Nominal Operating Pressure Test Procedure: Sys. Functional in accordance with IWA-5211B
Other Pressure _____ Test Temp. _____ °F

*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.

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

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 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 [Signature] Date 7-22, 19 97
Owner or Owner's Designee, Title Plant Manager

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.

[Signature] Commissions NB 8496 NY 2812
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/23, 19 97