

CATEGORY 1

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 AUTH.NAME AUTHOR AFFILIATION
 METZGER, J.V. Affiliation Not Assigned
 RECIP.NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)
 LOSTURDO, D. Niagara Mohawk Power Corp.

SUBJECT: Part 21 rept re Pyco RTD assemblies manufactured using cover made from aluminum instead of cast iron as specified.
 Corrective actions: cast iron enclosure & installation instructions provided to plant for replacement.

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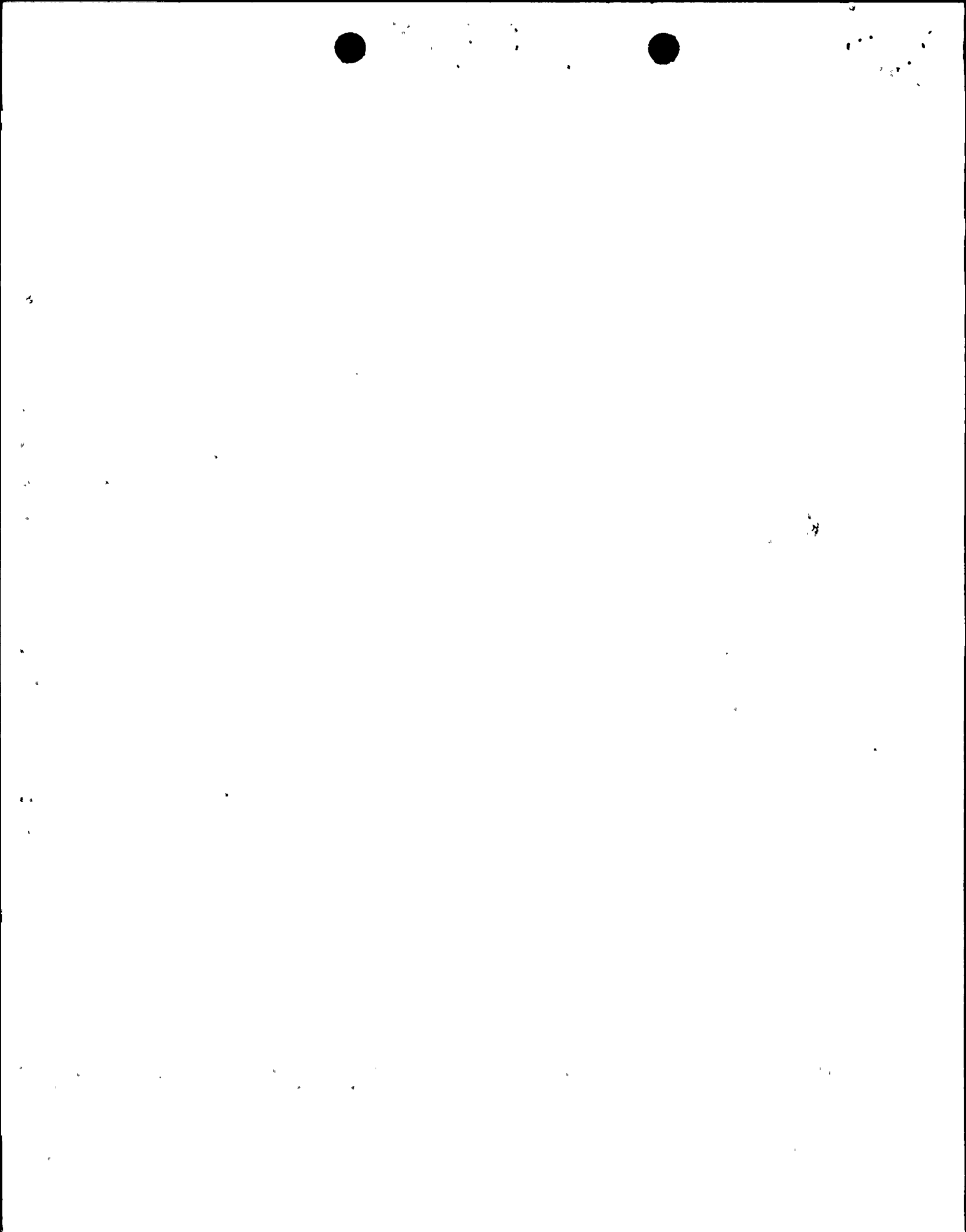
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PENNDel, PENNSYLVANIA 19047 | 215-757-3704

DATE : January 30, 1998
TO : NRC OPERATIONS
Tel: 301-816-5100 Fax: 301-816-5151

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington DC 20555

Niagara Mohawk Power
Attn: Mr. Dominick Losurdo
9 Mile Point - 112 Warehouse
348 Lake Rd.
Oswego, NY 13126
Tel: 315-349-7415 Fax: 315-349-7399

FROM: PYCO Inc.
Mr. John V. Metzger Jr. - President
600 E. Lincoln Hwy.
PennDel, PA 19047
Tel. 215-757-3704 Fax: 215-757-3780

Re : 10 CFR PART 21 - **COMPLETION of CORRECTIVE ACTION**

REF : NRC Notification on Oct. 3, 1997

As required by 10CFR Part 21, the following information is to provide notification of **CORRECTIVE ACTION COMPLETION** in connection with two (2) Resistance Temperature Detectors (RTD's) supplied to Niagara Mohawk Power, Nine Mile Point Station.

1. Name and Address of individual informing Commission:
Mr. John V. Metzger Jr. - President - PYCO Inc.
600 E. Lincoln Hwy.
PennDel, PA 19047
Tel: 215-757-3704 Fax: 215-757-3780

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2. Basic Component Supplied:

- . Resistance Temperature Detector (RTD) Assembly
- . PYCO Part Number (P/N) 122-4030-04-2.7-6.0
- . Two (2) pieces; PYCO Serial Numbers (S/N) 15006 and 15007
- . PYCO Shop Order (SO) # 57985
- . Customer Purchase Order (PO) # 03015
- . Customer Material # 93-03-975

3. Identification of the Firm supplying the basic component

PYCO Inc.
600 E. Lincoln Hwy.
PennDel, PA 19047

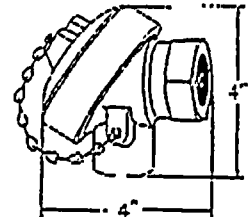
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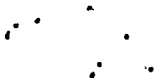
4. Nature of Deviation

RTD assemblies were manufactured using a screw cover terminal enclosure fabricated from aluminum instead of an identical appearing cast iron enclosure as specified on the assembly drawing.



5. Date Detected:

Niagara Mohawk returned S/N 15007 to PYCO for calibration verification (RMA4040). The nonconformance was discovered during our in-house receiving inspection of customer returned materials on September 19, 1997. The calibration verification was completed on September 26, 1997 and the RTD's are within specification. Verbal communication of the discovery of the nonconformance was provided to Niagara Mohawk on September 29, 1997. Since two RTD's were manufactured in SO# 57985, PYCO informed Niagara Mohawk of the other RTD assembly (S/N 15006) that could have been manufactured with an aluminum enclosure. PYCO requested Niagara Mohawk to inspect S/N 15006 and advise PYCO of their results for corrective action development, as required. Formal Notification of Deviation was provided to the NRC on October 3, 1997.





PENNDel, PENNSYLVANIA 19047 | 215-757-3704

6. Location of Components:

A. S/N 15006 located at:
Niagara Mohawk Power
9 Mile Point - 348 Lake Rd.
Oswego, NY 13126

B. S/N 15007 returned to:
Niagara Mohawk Power
9 Mile Point - 348 Lake Rd.
Oswego, NY 13126

7. Corrective Action: (updated as of Jan. 30, 1998)

A. S/N 15006 - The RTD assembly is in operation at Niagara Mohawk - PYCO provided Cast Iron enclosure and installation instructions to Niagara Mohawk for replacement at site location. Niagara Mohawk completed corrective action activities and provided PYCO with a certificate of compliance on Jan. 27, 1998. (Attachment A)

B. S/N 15007 - Reworked the RTD assembly, replaced the aluminum enclosure with a cast iron enclosure, inspected and returned to Niagara Mohawk on Nov. 10, 1997

C. Reviewed PYCO's Commercial Grade Item (CGI) dedication procedure to preclude recurrence. PYCO Nuclear Administrative Procedures were updated OCT. 3, 1997.

8. Advice Related to Deviation:

Both the Aluminum and Cast Iron enclosures are APPROVED for use in Nuclear Applications as verified by Qualification Tests and are routinely used in Nuclear Power Plants.

Sincerely,

John V. Metzger Jr. - President PYCO Inc.

Attachments



e

TO: PYCO Inc.
 Attn: William J. Szary - Quality Control Manager
 600 E. Lincoln Hwy.
 Penedel, PA 19047
 Tel: 215-757-3704 Fax: 215-757-3780

FROM: Niagara Mohawk
 Dominick LoSurdo
 9 Mile Point - U2 Warehouse
 348 Lake Rd.
 Oswego, NY 13126
 Tel: 315-349-7415 Fax: 315-349-7390

RE: CERTIFICATE OF COMPLIANCE

Niagara Mohawk PO NMP2-C041D
 PYCO Inc. PO#

Niagara Mohawk Personnel replaced the originally supplied Aluminum Head with the CAST IRON HEAD (P/N 14-0058-01) using disassembly and installation instructions provided by PYCO and transferred the metal identification tag on the following assembly:

Part Number : 122-4030-04-2.7-6
 Serial Number : 15006
 Matl Id# : 93-03-977

Replaced by: Ed Warren J&C Tech. 10-31-97
 Name Title Date

Inspected by: Kal Bull J&C Tech. 10-31-97
 Name Title Date

This completed document will serve as notice of successful installation of the cast iron head as identified in the 10CFR Part 21 Notification of Deviation to the NRC.

Signed: Shirley J. Hawcross Date: 1-22-98

Title: J&C Supervisor



GENERAL INFORMATION or OTHER

EVENT NUMBER: 33035

LICENSEE: PYCO, INC.
CITY: PENNDEL
COUNTY:
LICENSE#: DOCKET:

REGION: 1
STATE: PA
AGREEMENT: N

NOTIFICATION DATE: 10/06/97
NOTIFICATION TIME: 13:32 [ET]
EVENT DATE: 10/06/97
EVENT TIME: 00:00 [EDT]
LAST UPDATE DATE: 02/02/98

NOTIFICATIONS

GENE KELLY	RDO
VERN HODGE	NRR

NRC NOTIFIED BY: WILLIAM SZARY
HQ OPS OFFICER: BOB STRANSKY

EMERGENCY CLASS: NOT APPLICABLE
10 CFR SECTION:
CCCC 21.21 UNSPECIFIED PARAGRAPH

EVENT TEXT

10 CFR PART 21 REPORT - RTD ASSEMBLIES MANUFACTURED USING COVER MADE FROM ALUMINUM INSTEAD OF CAST IRON AS SPECIFIED.

THE FOLLOWING IS TEXT FROM A FACSIMILE SUBMITTED BY THE VENDOR:

"RTD [RESISTANCE TEMPERATURE DETECTOR] ASSEMBLIES WERE MANUFACTURED USING A SCREW COVER TERMINAL ENCLOSURE FABRICATED FROM ALUMINUM INSTEAD OF AN IDENTICAL APPEARING CAST IRON ENCLOSURE AS SPECIFIED ON THE ASSEMBLY DRAWING.

NIAGARA MOHAWK RETURNED S/N 15007 TO PYCO FOR CALIBRATION VERIFICATION (RMA4040). THE NONCONFORMANCE WAS DISCOVERED DURING OUR IN-HOUSE RECEIVING INSPECTION OF CUSTOMER RETURNED MATERIALS ON SEPTEMBER 19, 1997. THE CALIBRATION VERIFICATION WAS COMPLETED ON SEPTEMBER 26, 1997, AND THE RTDs ARE WITHIN SPECIFICATION. VERBAL COMMUNICATION OF THE DISCOVERY OF THE NONCONFORMANCE WAS PROVIDED TO NIAGARA MOHAWK ON SEPTEMBER 29, 1997. SINCE TWO RTDs WERE MANUFACTURED IN SO#57985, PYCO INFORMED NIAGARA MOHAWK OF THE OTHER RTD ASSEMBLY (S/N 15006) THAT COULD HAVE BEEN MANUFACTURED WITH AN ALUMINUM ENCLOSURE. PYCO REQUESTED NIAGARA MOHAWK TO INSPECT S/N 15006 AND ADVISE PYCO OF THEIR RESULTS FOR CORRECTIVE ACTION DEVELOPMENT, AS REQUIRED.

BOTH THE ALUMINUM AND CAST IRON ENCLOSURES ARE APPROVED FOR USE IN NUCLEAR APPLICATIONS AS VERIFIED BY QUALIFICATION TESTS AND ARE ROUTINELY USED IN NUCLEAR POWER PLANTS."

*** UPDATE ON 02/02/98 @ 1400 FROM WILLIAM SZARY TAKEN BY MACKINNON ***

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PYCO (LOCATED IN PENNDEL, PENNSYLVANIA) PROVIDED THE FOLLOWING INFORMATION AS NOTIFICATION OF CORRECTIVE ACTION COMPLETION IN CONNECTION WITH TWO RTDs SUPPLIED TO NIAGARA MOHAWK POWER, NINE MILE POINT STATION, BY PYCO:

CORRECTIVE ACTION: (UPDATED AS OF JANUARY 30, 1998)

- A. S/N 15006 - THE RTD ASSEMBLY IS IN OPERATION AT NIAGARA MOHAWK. PYCO PROVIDED CAST IRON ENCLOSURE AND INSTALLATION INSTRUCTIONS TO NIAGARA MOHAWK FOR REPLACEMENT AT THE SITE LOCATION. NIAGARA MOHAWK COMPLETED CORRECTIVE ACTION ACTIVITIES AND PROVIDED PYCO WITH A CERTIFICATE OF COMPLIANCE ON JANUARY 27, 1998.
- B. S/N 15007 - THE RTD ASSEMBLY WAS REWORKED, AND THE ALUMINUM ENCLOSURE WAS REPLACED WITH A CAST IRON ENCLOSURE. THE ASSEMBLY WAS THEN INSPECTED AND RETURNED TO NIAGARA MOHAWK ON NOVEMBER 10, 1997.
- C. PYCO'S COMMERCIAL GRADE ITEM DEDICATION PROCEDURE WAS REVIEWED TO PRECLUDE RECURRENCE. PYCO NUCLEAR ADMINISTRATIVE PROCEDURES WERE ALSO UPDATED ON OCTOBER 3, 1997.

PYCO NOTIFIED NIAGARA MOHAWK POWER (DOMINICK LOSURDO). THE NRC OPERATIONS CENTER NOTIFIED THE R1DO (LAURIE PELUSO) AND NRR (VERN HODGE).



2000

FAX

Date 02/02/98

Number of pages including cover sheet 5

TO: NRC OPERATIONS

FROM: PYCO Inc.
William Szary.
Quality Control Manager.
600 E. Lincoln Hwy.
Pennel, PA 19047

Phone 301-816-5100

Phone 215 757-3704

Fax Phone 301-816-5151

Fax Phone 215 757-3780

CC:

REMARKS: Urgent For your review Reply ASAP Please Comment

NRC OPERATIONS:

As required by 10 CFR PART 21, the attached information is to provide **COMPLETION OF CORRECTIVE ACTION** notification in connection with two (2) Resistance Temperature Detectors (RTD's) supplied to Niagara Mohawk, Nine Mile Point Station by PYCO Inc.

PYCO has notified Niagara Mohawk Power (Mr. Dominick Losurdo 315-349-7415) verbally, fax and hard copy.

Also as required, a copy of the attached document has been sent to the Document Control Desk, U.S. Nuclear Regulatory Commission, Washington DC 20555

William J. Szary
Quality Control Manager

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1