

# CATEGORY 1

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

SUBJECT: Part 21 rept re RTD assemblies mfg using screw cover  
terminal encl fabricated from aluminum instead of identical  
appearing cast iron encl as specified on assembly drawing.

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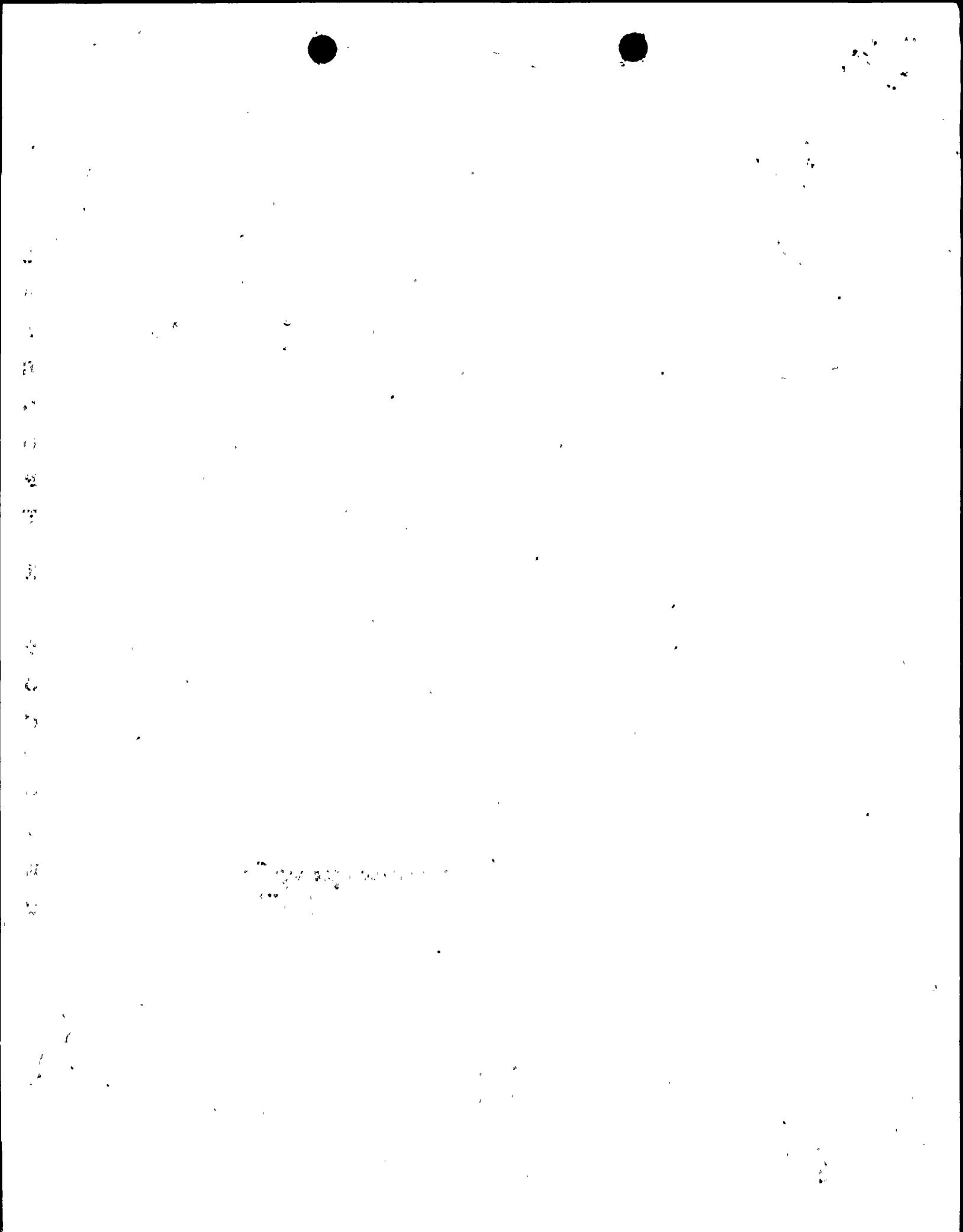
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PENNDel, PENNSYLVANIA 19047 | 215-757-3704

DATE : October 3, 1997

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 - Notification of Deviation

*Jerg 1/1*

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

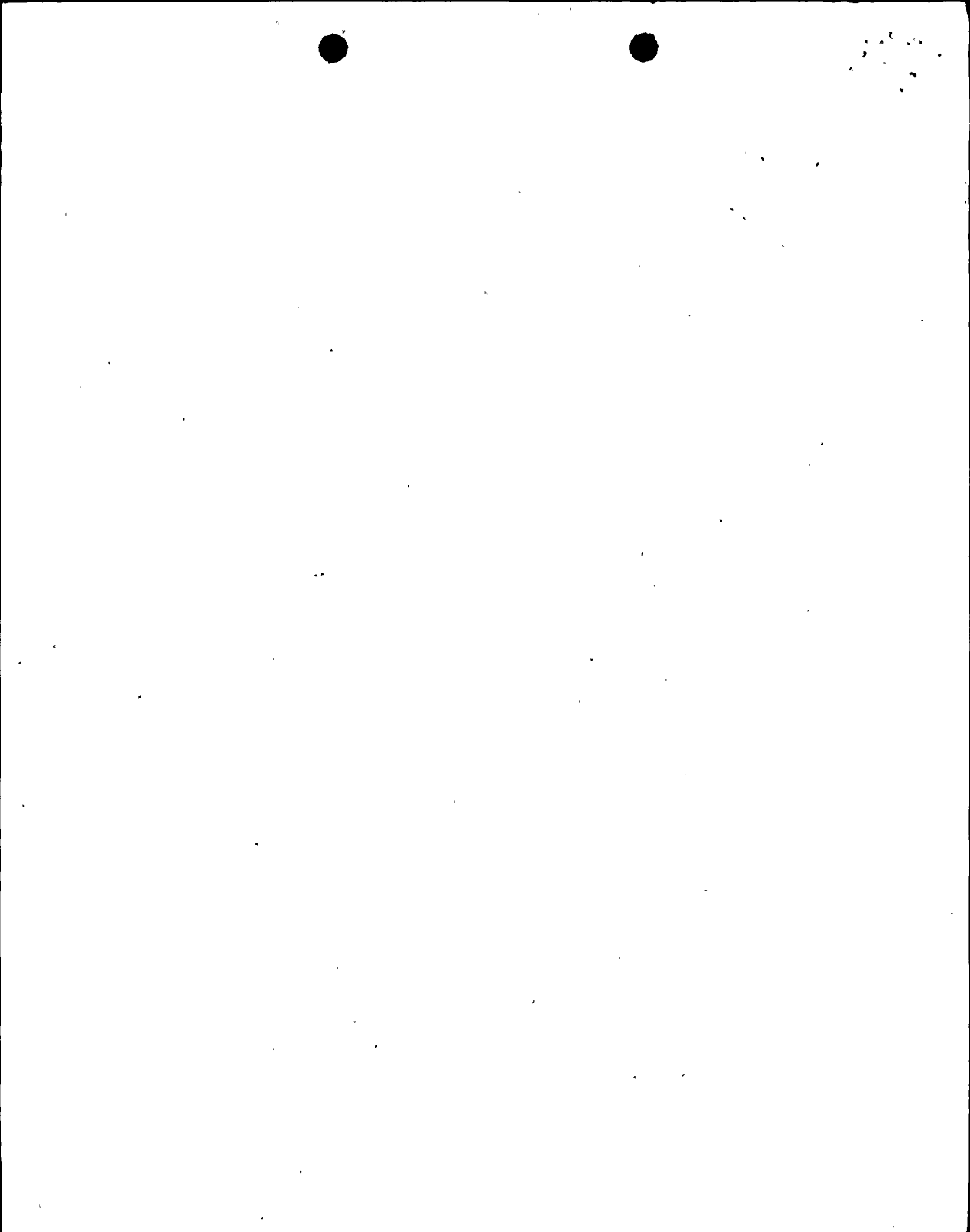
1. Name and Address of individual informing Commission:

Mr. John V. Metzger Jr. - President - PYCO Inc.  
600 E. Lincoln Hwy.  
PennDel, PA 19047

0701 Tel: 215-757-3704 Fax: 215-757-3780

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2. Basic Component Supplied:

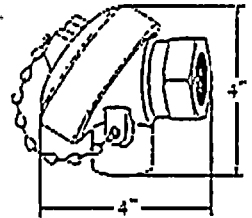
- . Resistance Temperature Detector (RTD) Assembly
- . PYCO Part Number (P/N) 122-4030-04-2.7-6.0
- . Two (2) pieces; PYCO Serial Numbers (S/N) 15006 and 15007
- . PYCO Shop Order (SO) # 57985
- . Customer Purchase Order (PO) # 03015
- . Customer Material # 93-03-975

3. Identification of the Firm supplying the basic component

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

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.





PENNDL, 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 located at:  
PYCO Inc.  
600 E. Lincoln Hwy.  
Pennel, PA 19047

7. Corrective Action:

- A. S/N 15006 - The RTD assembly is in operation at Niagara Mohawk - PYCO to provide Cast Iron enclosure and installation instructions to Niagara Mohawk for replacement at site location.
- B. S/N 15007 - Rework the RTD assembly, replacing the aluminum enclosure with a cast iron enclosure, inspect and return to Niagara Mohawk.
- C. Review and update PYCO's Commercial Grade Item (CGI) dedication procedure to preclude recurrence.

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,

 10-3-97  
John V. Metzger Jr. - President PYCO Inc.





## 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: 10/06/97
NRC NOTIFIED BY: WILLIAM SZARY HQ OPS OFFICER: BOB STRANSKY		NOTIFICATIONS GENE KELLY RDO VERN HODGE NRR
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."

