

General Information or Other (PAR)

Event # 42596

Rep Org: NDT REPAIR SERVICE, INC. Supplier: NDT REPAIR SERVICE, INC.	Notification Date / Time: 05/22/2006 16:32 (EDT) Event Date / Time: 04/18/2006 (CDT) Last Modification: 05/22/2006
Region: 4 City: MORGAN CITY County: State: LA	Docket #: Agreement State: Yes License #: LA-6631-L01
NRC Notified by: BRIAN BELLARD, SR HQ Ops Officer: JOHN KNOKE Emergency Class: NON EMERGENCY 10 CFR Section: 21.21	Notifications: MARK SHAFFER R4 MEL GRAY R1 MIKE MARKLEY EMAIL NMSS UNSPECIFIED PARAGRAPH

PART 21 NOTIFICATION - NDT EQUIPMENT FAILURE

The State provided the following information via facsimile:

"Per the requirements of 10 CFR Part 21 this letter has been written to inform you of a reportable condition in regards to a Crankout Assembly Failure Reported by Team Industrial Services on April 18, 2006, Event# 42508, and on May 08, 2006, Event# 42561.

"On May 8, 2006, NDT Repair Service was notified, by Team Industrial Services, of an equipment failure during radiographic operations using one of our Control Assemblies (PN# RT1117 25ft Control Assembly For Use with AEA-QSA 6608 Exposure Device). It was noted to us that the Control Assembly could be connected to the exposure device without connecting the drive cable to the source assembly. The Exposure Device could then be put into the operation mode and the source could then be cranked out therefore causing a misconnect; which violates the ANSI N432-1981, Section 6.1.4, as required by 10 CFR Part 34.

"NDT Repair Service immediately halted distribution of Control Assemblies for the AEA-QSA 6608 Exposure Device pending investigation of the probable cause of the failure. After further investigating into the cause of the failure it was found, that, the basic component that caused the failure was the Control Adapter, which is part of the Control Assembly that connects to the Exposure Device.

"Through further internal investigation, NDT Repair Service was able to limit the potential problem to 1 lot of 25 Control Adapters that we took delivery of on November 13, 2003 and it was noted that 9 of the 25 adapters were out of tolerance and needed rework. The Root Cause of the defect in the control adapter was found to be that back stops for the drive cables were drilled too deep allowing the adapter to hook up to the exposure device without connecting to the source assembly, therefore allowing the source to be cranked out and causing a misconnect."

JE20

NDT Repair Service Inc.
7874 Hwy 182 E
Morgan City, LA 70380
Ph: (985) 385-3293
Fax: (985) 385-3299
LIC# LA-6631-L01

May 22, 2006

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-001

Attention Document Control Desk

Subject: 10CFR Part 21 Reporting of Defects and Non-Compliance

Component: Crank Assemblies (associated equipment) for use with the AEA-QSA 660B Exposure Device.

Dear Sir or Madam:

Per the requirements of 10CFR Part 21 this letter has been written to inform you of a reportable condition in regards to a Crankout Assembly Failure Reported by Team Industrial Services on April 18, 2006 Event# 42508 and on May 08, 2006 Event# 42561.

On May 8, 2006, NDT Repair Service was notified, by Team Industrial Services, of an equipment failure during radiographic operations using one of our Control Assemblies (PN# RT1117 25ft. Control Assembly For Use with AEA-QSA 660B Exposure Device). It was noted, to us that the Control Assembly could be connected to the exposure device without connecting the drive cable to the source assembly. The Exposure Device could then be put into the operation mode and the source could then be cranked out therefore causing a misconnect; which violates the ANSI N432-1981, Section 6.1.4, as required by 10CFR Part 34.

NDT Repair Service immediately halted distribution of Control Assemblies for the AEA-QSA 660B Exposure Device pending investigation of the probable cause of the failure. After further investigating into the cause of the failure it was found, that; the basic component that caused the failure was the **Control Adapter**, which is part of the **Control Assembly** that connects to the Exposure Device.

Through further internal investigation, NDT Repair Service was able to bind the potential problem to 1 lot of 25 Control Adapters that we took delivery of on November 13, 2003 and it was noted that 9 of the 25 adapters were out of tolerance and needed rework. The Root Cause of the defect in the control adapter was found to be that back stops for the drive cables were drilled too deep allowing the adapter to hook up to the exposure device without connecting to the source assembly, therefore allowing the source to be cranked out and causing a misconnect.

1. Name and Address of Individual Informing the Commission

Brian D. Bellard Sr.
Q.C. Manager
NDT Repair Service
7874 Hwy 182 E
Morgan City, LA 70380

2. Identification of the Basic Component Supplied which fails to comply or contains a defect:

Control Adapter for AEA-QSA 660B which is one of the components that make up the Control Assembly.

3. Nature of the Failure and Potential Safety Hazards

The Control Adapter for the AEA-QSA 660B has a defect that will allow connection of the control assembly to the exposure device without connecting to the source assembly therefore allowing the source to be cranked out and therefore causing a misconnect. Potential Safety Hazard is the Source would be stuck out requiring source retrieval.

4. Date on which the Information of such Defect or Failure to comply was obtained.

NDT Repair Service was notified of the equipment failure on May 8, 2006.

5. Identification of the firm supplying the basic component which fails to comply.

NDT Repair Service, Inc.; 7874 Hwy 182 E; Morgan City, LA 70380

- 6. Corrective Action:** NDT Repair Service has performed retesting of the Control Adapter using AEA-QSA 660B Exposure Devices and has found that the Control Adapter, when in tolerance performs and meets the requirements to ANSI N432-1981 and 10 CFR Part 34. As of May 15, 2006, NDT Repair Service has issued a recall to replace the affected Adapters and Control Assemblies that have the affected control adapter installed and has notified its customers and is still in the process of notifying its customers to take the affected adapters out of service immediately and return to NDT Service Inc. Any Control Assembly components that are received by NDT Repair Service's vendors that are found to be out of tolerance and in need of rework; will be sent back to the vendor for rework or replacements that comply with design drawings. NDT Repair Service Inc. expects to have the lot of affected Control Assemblies and Adapters out of service and returned to us within 60 days.

7. Advise Related to the Defected Component

NDT Repair Service is advising each affected customer not to use and immediately take out of service the affected Control Assembly or the Control Adapter and return it to us at NDT Repair Service.

8. Number of Defective Components and Their Locations

A total of, 9 out of 25, from Lot #1, potentially have this defect. Four of these have been taken out of service. See Attachment 1.

10 CFR Part 21 Notification (Continued)

Attachment 1 – List of Control Assemblies and Control Adapter users with potentially defective Control Adapters.

Customer	Location	PO#	Invoice #	Ship Date	(Qty) S/N
Team Industrial Services, Inc./ Direct Distributors	Aston, PA	7129	22926	12/14/05	(4) NDT-265,266,267,268
Code Services	Decatur, AL	562-06-0B	23444	3/08/06	(1) NDT-276
Metco	Houston, TX	24478	22427	10/04/05	(2) NDT Adapter Only
Metco	Houston, TX	24395	21942	7/18/05	(5) NDT Adapter Only
Direct Distributors/TC Inspection	Oyster Creek, TX	TOM	21181	3/18/05	(1) NDT-233
H&H X-Ray	West Monroe, LA	EARL	20923	2/02/05	(1) NDT-230
Metco	Sulphur, LA	4630-S	20188	9/24/04	(1) NDT-228
Metco	Sulphur, LA	4470-S	19610	6/21/04	(1) NDT Adapter Only
Metco	Sulphur, LA	4451-S	19539	6/08/04	(1) NDT Adapter Only
Code Services	Decatur, AL	CAPR 1071	21279	4/08/05	(1) NDT-236
Code Services	Decatur, AL	COCT 1119	22564	10/25/05	(2) NDT-257, 258
BB Sales/NDTec, Miami, FL	Overseas	1844, 1566,1591,1566	23372,21701,21806,21701	2/27/06,6/13/05,6/23/05,6/13/05	(4) NDT-273,242,247,271

(1) Adapter remains at NDT Repair Service.