

General Information or Other (PAR)

Event # 42591

|  |  |
|--|--|
| Rep Org: SULZER PUMPS, INC<br>Supplier: SULZER PUMPS, INC  | Notification Date / Time: 05/20/2006 12:44 (EDT)<br>Event Date / Time: 05/20/2006 (EDT)<br>Last Modification: 05/20/2006           |
| Region: 1<br>City: CHATTANOOGA<br>County:<br>State: TN   | Docket #:<br>Agreement State: Yes<br>License #:  |
| NRC Notified by: TOMMY CRAIG<br>HQ Ops Officer: JOHN KNOKE<br>Emergency Class: NON EMERGENCY<br>10 CFR Section:<br>21.21                   UNSPECIFIED PARAGRAPH | Notifications: JOHN ROGGE                   R1<br>MALCOLM WIDMANN                   R2<br>O.TABASTABAI EMAIL                   NRR |

## PART 21 - SULZER PUMPS, INC.

The licensee provided the following information via facsimile:

"Pursuant to Title 10, Code of Federal Regulations, Part 21, reporting requirements, Sulzer Pumps (US), Inc. is reporting a deviation from technical requirements for components to be used in nuclear safety related applications.

"Sulzer Pumps (US) Inc. owns and operates a centrifugal pump repair and manufacturing facility at 4126 Caine Lane, Chattanooga, TN 37421. On May 7, 2006 during manufacturing we became aware of what appeared to be weld repairs to two pump bowl castings to be used in a replacement Essential Service Water Pump we are manufacturing for the J. M. Farley Nuclear Power plant. The supplier for these castings is Stainless Steel Foundry and Engineering, 5110 North 35 th St., Milwaukee, WI 53209, (414) 462-7400.

"The Sulzer Pumps (US) procurement documents to the foundry required weld repairs to the castings be preceded by notification to us, submission for approval of both the proposed weld procedure (WPS) to be used, and the weld procedure qualification record (PQR). Weld maps are also required by our procurement documents.

"In the case of our PO # 08407520, we received material certifications from Stainless Foundry and Engineering which certified no welding was performed to the castings. During our inspection processes we discovered what appeared to be weld repairs not traceable to us or to the above named Stainless Foundry. Subsequent investigation by Sulzer Pumps (US) and foundry representatives concluded that undocumented and unapproved weld repairs were performed by the foundry.

"Additional research by Sulzer Pumps (US) identified other castings supplied by Stainless Foundry and Engineering which were used in orders previously processed and shipped by Sulzer. The documentation supplied by Stainless Foundry stated none of these castings had required weld repair by the foundry. Our records indicate the castings

JE19

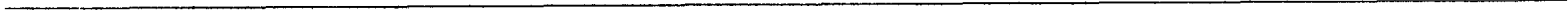
General Information or Other (PAR)

Event # 42591

that have been supplied are impellers. However, based on the aforementioned discoveries they too may contain undocumented weld repairs. We have reviewed and identified the nuclear power plants where pumps using these castings were shipped which are listed below. They are: Indian Point, Cust PO# 4500533843, our job number 04JC1423; and E.I. Hatch, Cust PO# 6057240, our job number 04JC1505.

"All other castings from Stainless Foundry and Engineering that we received have been placed on hold and will be returned to the foundry. We are in the process of evaluating our options to obtain replacement castings."

\*\*\*\*\*



**SULZER**

**SULZER PUMPS (US) INC.  
SULZER NUCLEAR SERVICE CENTER  
CHATTANOOGA, TENNESSEE**

Form No. S0435  
REV. 0  
Date: 09/01/2005

**DOCUMENT TRANSMITTAL FORM**

TO: NRC Operations Center

Issue Date: May 19, 2006

FAX: (301) 816-5151

The purpose of this transmittal is to document official notification of a 10CFR Part 21 notification.

Please acknowledge receipt of transmittal and attached documents via fax or email.

If there are any questions or concerns please contact the Quality Assurance Manager Sulzer Nuclear Service Center at (423)-296-1935 or email to tommy.craig@sulzer.com

Thank you,

*Tommy Craig*

Quality Assurance Manager, Sulzer Nuclear Service Center

| DOC. NO. | Rev No | DOCUMENT TITLE       | CUSTOMER REVIEW | Date | ANII REVIEW | Date |
|----------|--------|----------------------|-----------------|------|-------------|------|
| 06-001   | N/A    | Part 21 Notification | N/A             | N/A  | N/A         | N/A  |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |
|          |        |                      |                 |      |             |      |

# SULZER

Sulzer Pumps (US) Inc.  
Customer Support Services  
Donald B. Spencer, P.E.  
General Manager, Nuclear Services  
200 SW Market St., 4<sup>th</sup> Floor  
Portland, OR 97201

To: Director, Office of Nuclear Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

May 19, 2006

Subject: Title 10 Code of Federal Regulation Part 21 Notification

Dear Sir or Madam,

Pursuant to Title 10, Code of Federal Regulations, Part 21, reporting requirements, Sulzer Pumps (US), Inc. is reporting a deviation from technical requirements for components to be used in nuclear safety related applications.

Sulzer Pumps (US) Inc owns and operates a centrifugal pump repair and manufacturing facility at 4126 Caine Lane, Chattanooga, TN 37421. On May 7, 2006 during manufacturing we became aware of what appeared to be weld repairs to two pump bowl castings to be used in a replacement Essential Service Water Pump we are manufacturing for the J. M. Farley Nuclear Power plant. The supplier for these castings is Stainless Steel Foundry and Engineering, 5110 North 35<sup>th</sup> St., Milwaukee, WI 53209, (414) 462-7400.

The Sulzer Pumps (US) procurement documents to the foundry required weld repairs to the castings be preceded by notification to us, submission for approval of both the proposed weld procedure (WPS) to be used, and the weld procedure qualification record (PQR). Weld maps are also required by our procurement documents.

In the case of our PO # 08407520, we received material certifications from Stainless Foundry and Engineering which certified no welding was performed to the castings. During our inspection processes we discovered what appeared to be weld repairs not traceable to us or to the above named Stainless Foundry. Subsequent investigation by Sulzer Pumps (US) and foundry representatives concluded that undocumented and unapproved weld repairs were performed by the foundry.

Additional research by Sulzer Pumps (US) identified other castings supplied by Stainless Foundry and Engineering which were used in orders previously processed and shipped by Sulzer. The documentation supplied by Stainless Foundry stated none of these castings had required weld repair by the foundry. Our records indicate the castings that have been supplied are impellers. However, based on the aforementioned discoveries they too may contain undocumented weld repairs. We have reviewed and identified the nuclear power plants where pumps using these castings were shipped which are listed below.

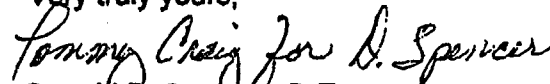
They are:

Indian Point, Cust. PO # 4500533843, our job number 04JC1423

E.I. Hatch, Cust. PO # 6057240, our Job Number 04JC1505

All other castings from Stainless Foundry and Engineering that we received have been placed on hold and will be returned to the foundry. We are in the process of evaluating our options to obtain replacement castings.

Very truly yours,



Donald B. Spencer, P.E.

General Manager, Nuclear Services

CC: Cesar Montenegro, Sulzer Pumps (US) President  
Peter Windle, Sulzer Pumps (US) Director – CSS Services  
Warren Brandon, Sulzer Pumps (US) Manager Nuclear Service Center  
Karl Strand, Sulzer Pumps (US) SPUSA Quality Assurance Manager  
Tommy Craig, Sulzer Pumps (US) SNSC Quality Assurance Manager

Entergy Nuclear,  
Indian Point Energy Center  
295 Broadway, Suite 1  
Buchanan, NY 10511-0249

Licensing Manager & Manager – Supply Chain  
Southern Nuclear Operating Company  
P.O. Box 1295  
Birmingham, Al. 35201