



# ITT

ENGINEERED FOR LIFE

## ITT Enidine Inc.

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### Facsimile Cover Sheet

Date: 02/28/2017

To the Attention of: NRC operations center

Fax Number: 301-816-5151

From: Ray Smith  
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**Including cover sheet**

TE19  
NRR



**ITT**

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Compact Automation Product Line  
Turn-Act Product Line  
Conoflow Product Line

February 27, 2017

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: USNRC 10CFR Part 21 Notification

Gentlemen,

This letter is a follow up of our December 22, 2016 Part 21 Report to the US Nuclear Regulatory Commission of a potential component defect. Please reference Log No. 2016-68-00 / Event No. 52458 / Accession No. ML17006A012.

On November 2, 2016 a discovery was made of unqualified electrical component substitutions on the internal circuit board. Supplier and internal record reviews indicate these unqualified components were used as early as May 10, 2013, as the previously qualified PCB components are no longer available.

Environmental qualification of test samples containing the suspect circuit boards has been completed.

The subject parts continued to operate and perform their intended safety function throughout all EQ tests.

Respectfully Submitted,

Jeff Gotthelf  
Engineering Manager

Ray Smith  
Quality Manager

Part 21 (PAR)

Event # 52458

<b>Rep Org:</b> ITT ENIDINE INC.	<b>Notification Date / Time:</b> 12/22/2016 17:35 (EST)
<b>Supplier:</b> ITT ENIDINE INC.	<b>Event Date / Time:</b> 11/02/2016 (EST)
	<b>Last Modification:</b> 02/28/2017
<b>Region:</b> 1	<b>Docket #:</b>
<b>City:</b> WESTMINSTER	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b>
<b>State:</b> SC	
<b>NRC Notified by:</b> RAY SMITH	<b>Notifications:</b> JAMES NOGGLE R1DO
<b>HQ Ops Officer:</b> DONG HWA PARK	GERALD MCCOY R2DO
<b>Emergency Class:</b> NON EMERGENCY	STEVE ORTH R3DO
<b>10 CFR Section:</b>	MICHAEL HAY R4DO
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	NMSS_EVENTS_NOTIFICATION EMAIL
	PART 21 MATERIALS
	PART 21/50.55 REACTORS

## PART 21 - POTENTIAL TRANSDUCER COMPONENT DEFECT

The following information was received via fax:

"The ITT Conoflow models GT25CA1826 and GT25CD1826 current to pressure (I/P) transducers produce a calibrated 3.0 to 15.0 psi output pressure from a 4.0 to 20.0 mA DC (input) signal. On November 2, 2016, a discovery was made of unqualified electrical component substitutions on the internal circuit board. Supplier and internal record reviews indicate these unqualified components were used as early as May 10, 2013, as the previously qualified PCB components are no longer available. Environmental qualification of the suspect circuit boards is planned for early 2017. If any component fails to meet requirements, nuclear facilities which use this product will be advised to examine their product for unqualified printed circuit boards via notification and visual references. Qualified replacement components will be provided to all affected customers.

"Customer Name / Item Number / No.: Units  
 Calvert Cliffs Nuclear / GT25CD1826 / 30  
 Control Components Inc. / GT2SCD 1826 / 3  
 Duke Energy Carolinas LLC / GT25CA1826 / 8  
 Duke Energy Carolinas LLC / GTI:SCD1826 / 4  
 Enertech Curtiss-Wright / GT25CA1816 / 19  
 Enertech Curtiss-Wright / GT25CD1826 / 4  
 Ergytech Inc. / GT25CA1826 / 3  
 Ergytech Inc. / GT25CD1826 / 3  
 Gefran Benelux NV / GT25CD1826 / 2  
 Ontario Power Generation / GT25CD1826 / 31  
 SPX Flow Technology / GT25CA1826 / 2

Weir Valves & Controls UK / GT25CA1826 / 78"

\*\*\* UPDATE ON 2/28/17 AT 0918 EST FROM RAY SMITH TO DONG PARK VIA FAX\*\*\*

"On November 2, 2016 a discovery was made of unqualified electrical component substitutions on the internal circuit board. Supplier and internal record reviews indicate these unqualified components were used as early as May 10, 2013, as the previously qualified PCB components are no longer available. Environmental qualification of test samples containing the suspect circuit boards has been completed. The subject parts continued to operate and perform their intended safety function throughout all EQ [Equipment Qualification] tests."

Notified R1DO (DeFrancisco), R2DO (Bartley), R3DO (Jeffers), R4DO(Deese), NMSS Events Resource, and Part 21 Group via email.

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