

Mackson Nuclear, LLC
2346 Southway Drive
Rock Hill, SC 29730
803-634-8176

fax

TO: U.S. Nuclear Regulatory Commission FROM: Shannon Echols, Mackson Nuclear, LLC

Document Control Desk

FAX: 301-816-5151

PAGES: 9 (including this cover page)

PHONE: 301-816-5100

DATE: February 2, 2024

RE: Final Report Notification Pursuant to 10
CFR Part 21.21

CC: N/A

Comments: Please see the attached Final Notification and Closure of our previous Interim Notification Pursuant to 10 CFR Part 21.21. The information contained within this notification was also submitted by Tioga Pipe, Inc. on February 2, 2024.



2346 Southway Drive
Rock Hill, SC 29730

February 2, 2024

LTR-NRC-2024-01 Revision 0

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555-0001
Phone: (301) 816-5100
Fax: (301) 816-5151
E-Mail: hoo.hoc@nrc.gov

SUBJECT: Closure of Interim Report Notification Pursuant To 10 CFR Part 21.21 Regarding Supply Of 1" Sch. 80 (0.180" Wall) SB466 UNS C71500 Buttweld Long Radius 90 Degree Elbow; Manufacturer: Flowline; 27 pieces - Heat Code: 127514, Fitting IDs: 16836-1-1 through 27; 1 piece - Heat Code: 127976, Fitting ID: 16836-1-28.

This letter is being provided to update the status of a recent interim report submitted by Mackson Nuclear, LLC in accordance with 10CFR 21.21. The interim report was provided on Mackson letter, LTR-NRC-2023-01, dated December 11, 2023 (a duplicate Part 21 notification to one made by Tioga Pipe, Inc., Event Notification Report No. 56882, NRC Log No. 2023-26-00, Accession No. ML23352A238).

The licensee, Duke Energy – Brunswick Nuclear Plant, evaluated the installed elbows for acceptability in accordance with their corrective action program. Brunswick inspectors performed UT thickness evaluations of the installed nonconforming elbows (Fitting IDs: 16836-1-3, -14, and -20) and the results were used to confirm that the subject system remained operable. The remaining six nonconforming elbows (Fitting IDs: 16836-1-1, -6, -7, -11, -15, and -21) have been returned to the manufacturer, Flowline, and are being processed and controlled under Flowline's nonconforming items program. Please see the attached Enclosure, "Tioga Pipe, Inc. LTR-TP-24-03 dated January 30, 2024" for more details of the evaluation and determination.

If you have any questions, please feel free to contact me at (215) 701-1203 or our Quality Assurance Manager, Shannon Echols, at (803) 992-8202.



2346 Southway Drive
Rock Hill, SC 29730

Regards,

Glenn Reigel
General Manager
Mackson Nuclear, LLC

Enclosure:

1) Attachment 1, Tioga Pipe, Inc. LTR-TP-24-03 dated January 30, 2024

Cc: Andrew Keiser, Tioga Pipe, Inc.
David Keiser, Tioga Pipe, Inc.
William Kotcher, Tioga Pipe, Inc.
Bryan Nichols, Tioga Pipe, Inc.
Shannon Echols, Mackson Nuclear, LLC



When it has to be right

LTR-TP-24-03

January 30, 2024

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555-0001
Phone: (301) 816-5100
Fax: (301) 816-5151
E-Mail: EIE@nrc.gov


SUBJECT: Closure of Interim Report Notification Pursuant To 10 CFR Part 21.21, Regarding Supply Of 1" Sch. 80 (0.180" Wall) SB466 UNS C71500 Buttweld Long Radius 90 Degree Elbow; Manufacturer: Flowline; Heat No: 27668; 27 pieces - Heat Code: 127514, Fitting IDs: 16836-1-1 through 27; 1 piece - Heat Code: 127976, Fitting ID: 16836-1-28.

This letter is being provided to update the status of a recent interim report submitted by Tioga Pipe Co in accordance with 10CFR 21.21. The interim report was provided on Tioga letter, LTR-TP-23-35, dated December 8, 2023 (NRC Log No. 2023-26-00, Accession No. ML23352A238).

The licensee, Duke Energy - Brunswick Nuclear Plant, evaluated the installed elbows for acceptability in accordance with their corrective action program. Brunswick inspectors performed UT thickness evaluations of the installed nonconforming elbows (Fitting IDs: 16836-1-3, 14, and 20) and the results were used to confirm that the subject system remained operable. The remaining six nonconforming elbows (Fitting IDs: 16836-1-1, 6, 7, 11, 15, and 21) have been returned to the manufacturer, Flowline and are being processed and controlled under Flowline's nonconforming items program. Please see Enclosure, "Email Chain - Part 21 Response for RHR Pump Seal Cooler Elbows" and "Email Chain - PO 608670 SO 16836-1" for more details of the evaluation and determination.

If you have any questions, please feel free to contact me at (713) 512-3569 or our Quality Director, Bryan Nichols, at (484) 546-5613.

Regards,



William Kotcher
President
Tioga Pipe Inc.

Enclosures:

- 1) Email Chain - Part 21 Response for RHR Pump Seal Cooler Elbows



When it has to be right

LTR-TP-24-03

2) Email Chain - PO 608670 SO 16836-1

Cc:

**Andrew Keiser, Tioga
David Keiser, Tioga
Bryan Nichols, Tioga
Richard Crowley, Tioga
Glenn Reigel, Tioga
Shannon Echols, Mackson**

Nichols, Bryan

From: Banker, Christopher Brent <Christopher.Banker@duke-energy.com>
Sent: Friday, December 15, 2023 10:12 AM
To: Pickens, Matthew William; Echols, Shannon; Nichols, Bryan; Reigel, Glenn; Simmons, Rick
Cc: Denny, Jacob; Thomas, Jonathan; Yodersmith, Stephen B
Subject: RE: [EXTERNAL] RE: EXTERNAL:FW: Part 21 Response for RHR Pump Seal Cooler Elbows

Some people who received this message don't often get email from christopher.banker@duke-energy.com. [Learn why this is important](#)

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That is correct, UT readings on the installed elbows show that they exceed nominal thickness, and we are leaving them installed.

Thanks,
Chris Banker
BNP Design Support Engineering

From: Pickens, Matthew William <Matthew.Pickens@duke-energy.com>
Sent: Thursday, December 14, 2023 4:53 PM
To: Echols, Shannon <SEchols@mackson.biz>; Nichols, Bryan <bnichols@tiogapipe.com>; Reigel, Glenn <greigel@tiogapipe.com>; Simmons, Rick <Rick.Simmons@duke-energy.com>; Banker, Christopher Brent <Christopher.Banker@duke-energy.com>
Cc: Denny, Jacob <Jacob.Denny@duke-energy.com>; Thomas, Jonathan <Jonathan.Thomas@duke-energy.com>; Yodersmith, Stephen B <Stephen.Yodersmith@duke-energy.com>
Subject: RE: [EXTERNAL] RE: EXTERNAL:FW: Part 21 Response for RHR Pump Seal Cooler Elbows

Hi Shannon,

Rick's group has the remaining elbows in hand. Rick would you look into this for Mackson?

Regarding the installed elbows, my understanding is that based on the UT results the installed elbows do not pose an operability concern. Including Chris Banker to validate.

Matt Pickens
Engineering Technologist, PE Support
Cell 919-738-5224



From: Echols, Shannon <SEchols@mackson.biz>
Sent: Thursday, December 14, 2023 3:18 PM
To: Pickens, Matthew William <Matthew.Pickens@duke-energy.com>; Nichols, Bryan <bnichols@tiogapipe.com>; Reigel, Glenn <greigel@tiogapipe.com>
Cc: Denny, Jacob <Jacob.Denny@duke-energy.com>; Thomas, Jonathan <Jonathan.Thomas@duke-energy.com>;

ATTACHMENT 1

Yodersmith, Stephen B <Stephen.Yodersmith@duke-energy.com>; Simmons, Rick <Rick.Simmons@duke-energy.com>
Subject: RE: [EXTERNAL] RE: EXTERNAL:FW: Part 21 Response for RHR Pump Seal Cooler Elbows

Good afternoon, Matt,

I'm just following up to see if you're planning on returning the elbows referenced on RMA# 212 that weren't installed. Have you decided if you'll be returning any of the other elbows that haven't been installed? Has there been a decision made about what you're going to do with the elbows that have been installed?

Best regards,

Shannon Echols
Quality Assurance Manager



Mackson Nuclear, LLC
2346 Southway Drive, Rock Hill, SC 29730
Office 1-803-992-8202 Fax 803-329-1077
Email sechols@mackson.biz
mackson.biz

From: Pickens, Matthew William <Matthew.Pickens@duke-energy.com>
Sent: Tuesday, December 12, 2023 4:35 PM
To: Echols, Shannon <SEchols@mackson.biz>; Nichols, Bryan <bnichols@tiogapipe.com>; Reigel, Glenn <greigel@tiogapipe.com>
Cc: Denny, Jacob <Jacob.Denny@duke-energy.com>; Thomas, Jonathan <Jonathan.Thomas@duke-energy.com>; Yodersmith, Stephen B <Stephen.Yodersmith@duke-energy.com>; Simmons, Rick <Rick.Simmons@duke-energy.com>
Subject: RE: [EXTERNAL] RE: EXTERNAL:FW: Part 21 Response for RHR Pump Seal Cooler Elbows

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Hey Shannon,

Appreciate your response.

Originally, when we first were looking into the issue and as we were determining the correct interpretation of the spec the best case scenario was that 3 were installed. Once we determined that the .180 min wall was the actual minimum, the scope increased to 9.

Here is the sample ID information you requested. Thank you, Rick.

Fitting ID#

16836-1-2
16836-1-3
16836-1-4
16836-1-10
13836-1-14
16836-1-16

Nichols, Bryan

From: Nichols, Bryan
Sent: Wednesday, January 10, 2024 11:24 AM
To: Tidy, Robert
Cc: Reigel, Glenn; Shackelford, Nicole; Echols, Shannon
Subject: RE: EXTERNAL:Fwd: EXTERNAL:Fwd: PO 608670 SO 16836-1


Rob,

Good morning. Those are the three nonconforming fittings that were installed by Duke. No, Flowline can keep the nonconforming fittings. I will follow-up with them regarding the supplier corrective action. Please let me know if you have any questions.

Thank you,

Bryan Nichols
Director | Quality Assurance



100 Mort Drive, Easton, PA 18040
Direct 484-546-5613 Office 610-252-7473 Mobile 215-435-2806
Email bnichols@tiogapipe.com
tiogapipe.com | 

From: Tidy, Robert <rtidy@tiogapipe.com>
Sent: Wednesday, January 10, 2024 11:17 AM
To: Shackelford, Nicole <NShackelford@mackson.biz>; Echols, Shannon <SEchols@mackson.biz>
Cc: Reigel, Glenn <greigel@tiogapipe.com>; Nichols, Bryan <bnichols@tiogapipe.com>
Subject: FW: EXTERNAL:Fwd: EXTERNAL:Fwd: PO 608670 SO 16836-1
Importance: High

Please have Duke advise on the 3 pieces not received at Flowline. 3,14,20.

Bryan, do we need Flowline to send these to Tioga?

Regards,

Robert B Tidy
Account Manager | Nuclear



2450 Wheatsheaf Lane, Philadelphia, PA 19137
Office 215-831-0700 Direct 215-701-1271 Mobile 215-287-0656
Email rtidy@tiogapipe.com

From: Brad Seidel <BradSeidel@flowlinefittings.com>
Sent: Wednesday, January 10, 2024 11:12 AM
To: Tidy, Robert <rtidy@tiogapipe.com>; Caroline Lemay <lemayc@ezeflow.com>; Margaret Hunt <margaretc@flowlinefittings.com>; Renee Wise <reneew@flowlinefittings.com>
Cc: Bernard Stabile <stabile-b@ezeflow.com>; Marty Capoferri <capoferrim@flowlinefittings.com>; Pat Fiello <patf@flowlinefittings.com>
Subject: RE: EXTERNAL:Fwd: EXTERNAL:Fwd: PO 608670 SO 16836-1

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Rob,

We received 6 of the 9 pcs back. They are PCS # 1, 6, 7, 11, 15, 21.

Brad Seidel

From: Tidy, Robert <rtidy@tiogapipe.com>
Sent: Wednesday, January 10, 2024 10:37 AM
To: Caroline Lemay <lemayc@ezeflow.com>; Margaret Hunt <margaretc@flowlinefittings.com>; Renee Wise <reneew@flowlinefittings.com>
Cc: Brad Seidel <BradSeidel@flowlinefittings.com>; Bernard Stabile <stabile-b@ezeflow.com>; Marty Capoferri <capoferrim@flowlinefittings.com>; Pat Fiello <patf@flowlinefittings.com>
Subject: RE: EXTERNAL:Fwd: EXTERNAL:Fwd: PO 608670 SO 16836-1
Importance: High


Good day,

Per Duke, these fittings were delivered to Flowline on January 5th. Please confirm.

Regards,

Robert B Tidy
Account Manager | Nuclear



2450 Wheatsheaf Lane, Philadelphia, PA 19137
Office 215-831-0700 Direct 215-701-1271 Mobile 215-287-0656
Email rtidy@tiogapipe.com
tiogapipe.com | 

From: Caroline Lemay <lemayc@ezeflow.com>
Sent: Monday, December 4, 2023 3:44 PM