



GPU Nuclear Corporation

Post Office Box 388
Route 9 South
Forked River, New Jersey 08731-0388
609 971-4000
Writer's Direct Dial Number:

November 23, 1983

Dr. Thomas E. Murley, Administrator
Region 1
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Dr. Murley:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
IE Bulletin 83-06, Nonconforming Material
Supplied by Tube-Line Corporation

This letter is in response to IE Bulletin 83-06 concerning nonconforming materials supplied by Tube-Line corporation. In your correspondence dated July 22, 1983, you requested a response within 120 days to several questions. Our actions are as follows:

We have reviewed the lists of purchasing and receiving companies given in Attachments 2 and 3 of the subject bulletin against our purchase orders. Based on our review, Tube-Line supplied materials are being used in an important-to-safety system. We have identified that Capitol Pipe and Steel Co. using Tube-Line as a sub-tier supplier provided two (2) 6" Raised Face Weld Neck Flanges SA 105, 150#, Heat Code EYNB.

Due to the fact that these flanges are installed in our Augmented Fuel Pool Cooling System (which we consider to be important to safety) a Material Nonconformance Report (MNCR) was issued. We also requested Capitol Pipe to perform chemical and physical tests on a material sample from the same heat number as the material supplied to GPU to re-verify that the requirements of the Purchase Order were met.

Based upon the following justifications, we have closed the MNCR and have determined that the flanges supplied by Capitol Pipe are appropriately dispositioned for "use-as-is":

1. Design conditions for the Augmented Fuel Pool Cooling System are 200 psig & 150°F. SA-105 of ASME, Section II (material specification for nonconforming items) identifies that only flanges over 300 psig primary service rating per ANSI B 16.5 require heat treatment. The flanges supplied have a primary service pressure of 260 psig per ANSI B 16.5.

Accordingly, heat treatment for the supplied flanges is not required.

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PDR ADOCK 05000219
G PDR

GPU Nuclear Corporation is a subsidiary of the General Public Utilities Corporation

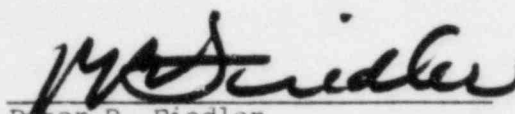
TEL
11

2. Acceptable results (attached) of the chemical and physical analyses performed by Spectrum Laboratories identifying that the material supplied to GPU meets the requirements of material specification SA-105.

In addition, we currently have in place a program which provides assurance that received materials comply with applicable procurement specification requirements and are suitable for their intended service.

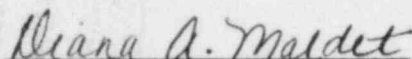
Should you have any further questions, please feel free to contact me or Mr. Michael Laggart, Oyster Creek Licensing Manager at (609)971-4643.

Very truly yours,



Peter B. Fiedler
Vice President and Director
Oyster Creek

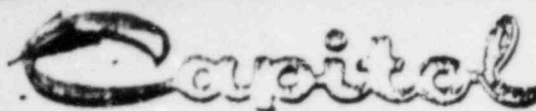
Sworn to and Subscribed
before me this 23rd
day of November, 1983.



DIANA A. MALDET
A Notary Public of New Jersey
My Commission Expires June 5, 1986

PBF:BH:dam
Enclosures

cc: U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555



PIPE & STEEL PRODUCTS CO.

Division of BOWLINE Corporation

301 CITY LINE AVENUE • AREA CODE 215 • TE 9 4300
BALA-CYNWYD, PENNSYLVANIA 19004



25th SILVER
ANNIVERSARY

July 26, 1983

Tube-Line Corp.
48-11 20th Ave.
Long Island City, NY 11105

Attention: John Gregory

Dear Mr. Gregory:

Please find material with heat number EYNB to be tested at Spectrum Labs for our customer, GPU Nuclear, our P.O. D-27123-00N.

The material in question are two pcs. of 6" 150# RFWN Flg. Std. Bore.

Sincerely,

Mike Layton
Manager of Operations

ML:lmd

cc: GPU Nuclear
P.O. Box 388
Trailer 267
Forked River, NJ 08731
Attn: Karl Suomi

ALLOY PIPING MATERIALS FOR HIGH TEMPERATURE AND LOW TEMPERATURE APPLICATIONS
POWER • REFINING • PETROCHEMICAL • SHIPBUILDING • CRYOGENIC



PIPE & STEEL PRODUCTS, INC.

Subsidiary of BOWLINE Corporation

301 CITY LINE AVENUE • AREA CODE 215 • TE 9-4300
BALA-CYNWYD, PENNSYLVANIA 19004-1786



September 21, 1983

GPU Nuclear
P.O. Box 388
Forked River, New Jersey 08731

Attention: Karl Swaney
Trailer #267

Reference: Your Order 201035
Our Order PN2095A2
Tube Line #D-27123-00N
Item 1 2 pcs. 6" 150# RFWN Flg.
Std. Bore
Heat Code #EYNB

Dear Mr. Swaney,

Enclosed please find results of chemical and physical tests performed on a sample from same heat as was received by GPU as referenced above. Should you require any additional information feel free to contact me.

Sincerely,

Sue MacCart

Supervisor, Quality Assurance

SM:lmf

Attachments

ALLOY PIPING MATERIALS FOR HIGH TEMPERATURE AND LOW TEMPERATURE APPLICATIONS

POWER • REFINING • PETROCHEMICAL • SHIPBUILDING • CRYOGENIC

SPECTRUM LABORATORIES INC.

524 PELHAM AVE.

P. O. BOX 565

PISCATAWAY, NEW JERSEY 08854

(201) 752-1400

Phila. No. (215) 923-7882

CORROSION TESTING
PHYSICAL TESTING
MECHANICAL TESTING
CHEMICAL ANALYSIS
ULTRASONIC INSPECTION
X-RAY

METALLURGICAL TESTING
PROFESSIONAL ENGINEERING
NON-DESTRUCTIVE TESTING
FIELD TESTING
MASS SPECTROMETER

CAPITOL PIPE & STEEL PRODUCTS
301 City Line Avenue
Bala Cynwyd, PA 19004

Attention: Ms. Sue McCart

REPORT OF MECHANICAL TESTS

DATE: August 4, 1983

ORDER No. L-32890-00N

LABORATORY No. 34989

The following results were obtained from our tests of this material.

Type of sample submitted One (1) pc. 6" 150 STD

Marked as follows Code - EYNB, ASTM A-105

The material was manufactured in accordance with our Quality Program, Rev. 2, dated January 23, 1980 which was audited and approved by Capitol Pipe on 9-22-82 and approved as meeting the requirements of ASME Sec. III, NCA-3800.

Sample No.	Area	Yield Load lbs.	Yield Strength psi .2% offset 36,000	Tensile Load lbs.	Tensile Strength psi 70,000	% EL. 2"	R. A. % 30.0
EYNB	.20	8,375	41,875	13,900	69,500 (70,000)	28.0	63.8
(ASTM E8, Par. 7.8.1 requires rounding out to ASTM E29 to nearest 500 psi.)							

TEST PROCEDURE:-

Sample Size Fig. 5, ASTM A-370 (.500" dia)

Strain Rate .0001 in/in. per min.

Stress Strain Diagram Reference 34989

Test Specification - ASTM E-8

CALIBRATION PROCEDURE:-

Test Instrument SATEC

Calibration Date 5-5-83

in accordance with ASTM E-4.

Extensometer B3M S/N 1322

in accordance with ASTM E-83

Quality Assurance Inspection System
complies with MIL-I-45208A, ASTM E-
548, and ASME Sec. III, Par. NCA-4000.

We certify this is a true report of results obtained from our tests of this material.

SPECTRUM LABORATORIES INC.

Handwritten Signature

H. C. SCHANCK, DIRECTOR

Samples returned upon request only. Held for a period of 30 days maximum. The liability of this laboratory relative to this report shall not exceed the amount of the invoice.



MASS SPECTROMETER
CHEMICAL ANALYSIS
ULTRASONIC INSPECTION
NON-DESTRUCTIVE TESTING

524 PELHAM AVE.

PISCATAWAY, NEW JERSEY 08854

REPORT OF CHEMICAL TESTS

P. O. BOX 565

PHYSICAL TESTING
MECHANICAL TESTING
FIELD TESTING
X-RAY

CAPITOL PIPE & STEEL PRODUCTS
301 City Line Avenue
Bala Cynwyd, PA 19004

Date August 4, 1983

Laboratory No. 34989

marked L-32890-00N

Attention: Ms. Sue McCart

Element	Sample 1	Sample	Sample	Sample
			Requirements	
Copper				
Tin				
Lead				
Zinc				
Nickel				
Iron				
Phosphorus	0.016		0.040 max	
Antimony				
Aluminum				
Magnesium				
Manganese	0.90		0.60 - 1.05	
Titanium				
Silicon	0.27		0.35 max	
Chromium				
Sulfur	0.018		0.050 max	
Carbon	0.19		0.35 max	
Cobalt	The material was manufactured in accordance with our Quality Program Rev. 2 dtd January 23, 1980 which was audited and approved by Capitol Pipe & on 9-22-82 and approved as meeting the requirements of ASME Sec. III, NCA-3800			
Molybdenum				
Columbium				
Tantalum				
Vanadium				
Tungsten				
Boron				

Sample Description:

1 pc. 5" 150 STD, Code - EYN
A-105

Test Method

X-Ray Diffraction
X-Ray Fluorescent
Emission Spectro (Vacuum) XXX
Emission Spectro (Air)
Wet Chemistry XXX
Atomic Absorption
Infrared
Gas Chromatography



The samples tested in this report were calibrated by use of

National Bureau of Standards No's. 1261-1265

ASTM Test Method: E350, E415

Matrix Method: Wrought

Quality Assurance Inspection System
complies with MIL-I-45208A, ASTM E-548, and ASME Sec. III, Par. NCA-4000.

We certify this is a true report of results obtained from our tests of this material.

SPECTRUM LABORATORIES, INC.

Harold C. Schanck
Director

Garrett C. Schanck
Metallurgist

Samples returned upon request only. Held for a period of days maximum. The liability of this laboratory relative to report shall not exceed the amount of the invoice.



CORROSION & METALLURGICAL TESTING
PROFESSIONAL ENGINEERING