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ACCESSION NBR: 9310210316 DOC. DATE: 93/10/14 NOTARIZED: NO DOCKET #  
FACIL: 50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261  
AUTH. NAME AUTHOR AFFILIATION  
WATERS, D.B. Carolina Power & Light Co.  
RECIP. NAME RECIPIENT AFFILIATION  
Document Control Branch (Document Control Desk)

SUBJECT: Forwards documentation re taylor forge pipe elbows as required during 930930 conference call. Licensee understands that requested documents, purchase order & matl receipt insp package used in support of insp matl supplier.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 30  
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## NOTES:

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NRR/DRCH/HICB	1 1	NRR/DSSA/SPLB	1 1
NRR/DSSA/SRXB	1 1	NUDOCS-ABSTRACT	1 1
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## NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

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Carolina Power & Light Company

ROBINSON NUCLEAR PLANT  
POST OFFICE BOX 790  
HARTSVILLE, SOUTH CAROLINA 29551

SEP 14 1993

Robinson File No: 13510

Serial: RNP/93-2502

United States Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261/LICENSE NO. DPR-23  
DOCUMENTATION CONCERNING TAYLOR FORGE MATERIALS

Gentlemen:

The purpose of this letter is to transmit certain enclosed documentation concerning Taylor Forge pipe elbows as requested during a conference call between Carolina Power & Light Company (CP&L) and the NRC on September 30, 1993. CP&L understands that the requested documents, a purchase order and a material's receipt inspection package, are to be used in support of an inspection of the material supplier.

Questions regarding this matter may be referred to Mr. Jan Kozyra at (803) 383-1872.

Very truly yours,

David B. Waters  
Manager

Regulatory Affairs Section

JSK:lst

Enclosures: 1. Purchase Order  
2. Receipt Inspection

c: Mr. S. D. Ebnetter  
Mr. B. L. Mozafari  
Mr. W. T. Orders

210025

9310210316 931014  
PDR ADOCK 05000261  
PDR

A001  
111

Letter to U. S. Nuclear Regulatory Commission  
Serial: RNP/93-2502

bcc: \* T. A. Baxter, Esq.  
Mr. R. S. Beverage  
Mr. R. K. Buckles (LIS)  
Mr. W. R. Campbell  
Mr. J. M. Curley  
Mr. C. R. Dietz  
Mr. D. T. Gudger  
Mr. H. W. Habermeyer, Jr.  
Mr. E. M. Harris  
Mr. J. L. Harrison  
Mr. J. D. Heidt  
Mr. J. S. Kozyra  
Mr. R. E. Morgan, Jr.  
Mr. C. S. Olexik, Jr.  
Mr. W. S. Orser  
Mr. M. P. Pearson  
Mr. H. A. Pollock  
Mr. R. S. Stancil  
Mr. R. B. Van Metre  
Siemens Pwr. Corp. c/o T. Dresser  
File: RC/A-2 (with encl.)

\* without enclosure

ENCLOSURE 1

PURCHASE ORDER

**CP&L**

FIELD COPY-OA  
PURCHASE ORDER

PAGE : 1

CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474

MWH

PURCHASE ORDER NO.	LOC	DATE
7C5685DK	02	10/04/92
AGREEMENT NO.		CHANGE NO.

HBR 921210037  
TIUGA PIPE SUPPLY CO., INC.  
P.O. BOX 5957-T  
2450 WHEATSHEAF LANE  
PHILADELPHIA PA 19137

SHIP TO  
CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOY  
SC HWY 151, SC HWY 23  
HARTSVILLE, SC 29550

MAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER
- FAX NUMBER 919-546-6750
- SHOW OUR ORDER NUMBER AND PART NUMBER ON INVOICES, PACKING SLIPS, PACKAGES, AND CORRESPONDENCE REFERRING THIS MATERIAL
- ACKNOWLEDGE RECEIPT OF THIS ORDER PROMPTLY
- THE ATTACHED SPECIFICATION IS HEREBY INCORPORATED AND MADE PART OF THIS ORDER

IMPORTANT

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MOC	VENDOR INST.	SPECIFICATION AND DATE
GTH	Y		AE			Q	CN	
DOCUMENTATION CODE(S)								INVOICE PAYMENT TERMS
D6, D26								00.00% 00 DAYS 30 NET DAYS
SHIP VIA-FREIGHT TERMS								CONFIRMED WITH
UPS								
ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER	

THE INDICATED INSTRUCTIONS AND/OR REQUIREMENTS ARE  
IMPOSED ON THIS MATERIAL:

- \*\*\*\*\*
- \* THERE SHALL BE NO CHANGES IN PART NUMBERS OR \*
- \* ITEM DESCRIPTIONS UNLESS APPROVED BY CP&L. \*
- \* SHOULD CHANGES BE REQUIRED, VENDOR SHALL PRO- \*
- \* VIDE A REQUEST FOR CHANGE ON HIS LETTERHEAD \*
- \* ADDRESSING THE INTERCHANGEABILITY OF THE \*
- \* PARTS AND/OR PART NUMBERS AND A STATEMENT \*
- \* THAT THE NEW PART/PART NUMBER SERVES THE \*
- \* SAME FIT, FORM, AND FUNCTION AS THE OLD \*
- \* PART/PART NUMBER. PAYMENT WILL NOT BE MADE \*
- \* FOR MATERIAL THAT DOES NOT COMPLY WITH THE \*
- \* REQUIREMENTS OF THE PURCHASE ORDER, AND SUCH \*
- \* MATERIAL MAY BE RETURNED AT HIS EXPENSE. \*
- \*\*\*\*\*

ALL MATERIAL SHALL BE, AS A MINIMUM, SECURELY  
TAGGED, STENCILED, OR MARKED AS APPROPRIATE TO  
PROVIDE TRACEABILITY TO CP&L'S PROCUREMENT DOCU-  
MENT AND VENDOR SUPPLIED DOCUMENTATION, BY THE  
FOLLOWING:

1. VENDOR PART NUMBER
2. CP&L PURCHASE ORDER NUMBER

THE ABOVE IS IN ADDITION TO ANY SPECIFIC MARKING  
REQUIRED BY SPECIFICATION.

FOR SMALL PARTS NOT SUITABLE FOR INDIVIDUAL TAG-  
GING OR MARKING, THE CONTAINER SHALL BE SECURELY  
TAGGED OR MARKED WITH ALL REQUIRED IDENTIFICATION.

CONTINUE

REFER ALL CORRESPONDENCE TO:  
JACKIE L. BRIDGES

TELEPHONE NO.  
919/546-7523

AUTHORIZED BUYER

FORM NO. 1A REV. 11/92

FIELD COPY-QA  
PURCHASE ORDER**CP&L**CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

PURCHASE ORDER NO.	LOC.	DATE
7C5685DK		10/04/92
AGREEMENT NO.	CHANGE NO.	

SHIP TO:

CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOY

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER
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MAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602**IMPORTANT**

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MQC	VENDOR INST.	SPECIFICATION AND DATE
							CN	
DOCUMENTATION CODE(S)							INVOICE PAYMENT TERMS	
D6, D26							CONFIRMED WITH	
SHIP VIA-FREIGHT TERMS							F.O.B.	
ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER	

VENDOR AUTHORIZES CP&L TO RETURN FREIGHT COLLECT ANY MATERIAL THAT IS NOT CORRECTLY MARKED. VENDOR FURTHER AGREES TO PROMPTLY CORRECT THE MARKING DISCREPANCY AND RETURN THE MATERIAL FREIGHT PREPAID TO CP&L.

\*\*\*\*\*

DOCUMENTATION AS INDICATED BELOW MUST BE SUPPLIED WITH THIS MATERIAL. THIS DOCUMENTATION WILL BE TREATED THE SAME AS THE MATERIAL FOR PAYMENT PURPOSE AND SHALL BE LEGIBLE AND SUITABLE FOR MICROFILMING.

01 728-556-79

7 EA 11/09/92 11/04/92

25.550 E

ELBOW, SEC-WLD, 1", 304SS, 900, 3000  
ASTM/ASME A/SA-182, GR-304, ASME SECTION III, SUB-SECTION NC, ANY ASTM EDITION OR ASME EDITION AND ADDENDA FROM 1974 THRU 1989. MATERIAL SHALL BE MARKED WITH A HEAT/LOT NUMBER TO PROVIDE TRACEABILITY TO THE CMTR. THIS ITEM SHALL BE HANDLED, SHIPPED AND STORED AS REQUIRED BY ANSI N45.2.2, LEVEL C.

\*\*\*\*\* MANUFACTURER'S PART #'S \*\*\*\*\*

66666 - UNKNOWN SU -  
45599 - HUB INC. - NA

VENDOR INSTRUCTIONS

C - THIS ITEM SHALL BE STORED, PACKAGED, AND

CONTINUE

CP&amp;L REQ: 01-7C5685

REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

FORM NO. 1A REV. 1/92

**CP&L**FIELD COPY-QA  
PURCHASE ORDERCAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474

PURCHASE ORDER NO.	LOC.	DATE
7C56850K		10/04/92
AGREEMENT NO.	CHANGE NO.	

TUIGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

SHIP TO:

CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOYMAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

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							CN	
DOCUMENTATION CODE(S)							INVOICE PAYMENT TERMS	
D6, D26							CONFIRMED WITH	
SHIP VIA-FREIGHT TERMS							F.O.B.	

ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER
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SHIPPED IN ACCORDANCE WITH ANSI N45.2.2, 1972 EDITION (OR LATER EDITION IMPLEMENTED IN ACCORDANCE WITH AN ENDORSING NRC REGULATORY GUIDE) OR APPROVED EQUIVALENT. THE VENDOR SHALL IDENTIFY ANY SPECIAL STORAGE REQUIREMENTS IMPOSED.

- N - THIS ITEM IS IMPORTANT TO NUCLEAR SAFETY. THE VENDOR SHALL IMPLEMENT A DOCUMENTED QUALITY ASSURANCE PROGRAM WHICH CONFORMS TO THE APPLICABLE REQUIREMENTS OF NCA 3800 OF ASME SECTION III (EDITION AS SPECIFIED IN EXTENDED DESCRIPTION).

SUPPLIER SHALL EXTEND APPLICABLE QA REQUIREMENTS TO LOWER-TIER SUPPLIERS.

SURVEILLANCE WILL NOT NORMALLY BE CONDUCTED ON REPLACEMENT ITEMS, BUT CP&L SHALL HAVE THE RIGHT OF ACCESS TO SUPPLIER FACILITIES AND QA RECORDS FOR SOURCE INSPECTIONS AND QA AUDIT.

THIS ITEM IS SUBJECT TO THE PROVISIONS OF 10CFR21. CP&L NUCLEAR LICENSING AND THE APPROPRIATE NUCLEAR PROJECT LOCATION SHALL BE CONCURRENTLY NOTIFIED OF ANY REPORTS MADE TO THE NRC PURSUANT TO 10CFR21. SUBMIT NOTIFICATION TO:

CAROLINA POWER & LIGHT COM.  
MANAGER - NUCLEAR LICENSING  
BOX 1551  
KALEIGH, NORTH CAROLINA 27602

CONTINUE

REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

FORM NO 1A REV 1-92

FIELD COPY-OA  
PURCHASE ORDER

PAGE : 4

**CP&L**

**CAROLINA POWER & LIGHT COMPANY**  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474

**TIGGA PIPE SUPPLY CO., INC.**  
P.O. BOX 5997-T

PURCHASE ORDER NO.	LOC	DATE
7C5685DK		10/04/92
AGREEMENT NO.	CHANGE NO.	

SHIP TO:  
**CAROLINA POWER & LIGHT CO**  
**ROBINSON PLANT-G.T.MCCOY**

MAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
**CAROLINA POWER & LIGHT CO.**  
**C/O P.O. INVOICE ACCOUNTING**  
**P.O. BOX 1551**  
**RALEIGH, N.C. 27602**

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SHIP VIA-FREIGHT TERMS			F.O.B.					
ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER	

**CAROLINA POWER & LIGHT COMPANY**  
**DEPARTMENT MANAGER**  
**BRUNSWICK NUCLEAR PROJECT**  
**NC HWY. 87, 2 1/2 MI. NORTH**  
**BOX 10429**  
**SOUTHPORT, NC 28461**

**CAROLINA POWER & LIGHT COMPANY**  
**DEPARTMENT MANAGER**  
**HARRIS NUCLEAR PROJECT**  
**STATE ROAD 1134, BOX 165**  
**NEW HILL, NC 27562**

**CAROLINA POWER & LIGHT COMPANY**  
**DEPARTMENT MANAGER**  
**ROBINSON NUCLEAR PROJECT**  
**SC HWY. 151 & 23, BOX 790**  
**HARTSVILLE, SC 29550**

NONCONFORMANCE TO PURCHASE ORDER REQUIREMENTS OR  
CP&L APPROVED DOCUMENTS WHICH CONSIST OF ONE  
OR MORE OF THE FOLLOWING SHALL BE SUBMITTED TO  
CP&L FOR APPROVAL OF THE RECOMMENDED  
DISPOSITION:

1. TECHNICAL OR MATERIAL REQUIREMENT IS VIOLATED.
2. SUPPLIER DOCUMENTS APPROVED BY CP&L ARE VIOLATED.
3. NONCONFORMANCE CANNOT BE CORRECTED BY

CONTINUE

REFER ALL CORRESPONDENCE TO:  
**JACKIE L. BRIDGES**

TELEPHONE NO.  
**919/546-7523**

AUTHORIZED BUYER

FORM NO. 1A REV. 1-92



FIELD COPY-QA  
PURCHASE ORDER**CP&L**CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

PURCHASE ORDER NO.	LOC	DATE
7C5685DK		10/04/92
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SHIP TO:

CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOY

MAIL ORIGINAL AND 2 COPIES OF INVOICE TO:

CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

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CONTINUANCE OF THE ORIGINAL MANUFACTURING  
PROCESS OR BY REWORK.

4. THIS ITEM DOES NOT CONFORM TO THE ORIGINAL REQUIREMENTS EVEN THOUGH THE ITEM CAN BE RESTORED TO A CONDITION SUCH THAT THE CAPABILITY OF THE ITEM TO FUNCTION IS UNIMPAIRED.

THESE SUBMITTALS SHALL INCLUDE SUPPLIER'S RECOMMENDED DISPOSITION (FOR EXAMPLE, "USE-AS-IS" OR "REPAIR") AND TECHNICAL JUSTIFICATION. FORWARD SUBMITTALS TO THE APPROPRIATE NUCLEAR PROJECT LOCATION (ADDRESS LISTED ABOVE).

DOCUMENTATION REQUIREMENTS

THE FOLLOWING DATA PACKAGES SHALL BE SUBMITTED FOR APPROVAL AT TIME OF SHIPMENT:

- D6 - CERTIFIED MATERIAL TEST REPORTS  
D26 - CERTIFICATION OF CONFORMANCE TO THIS PURCHASE ORDER

			ITEM TOTAL	178.85
02 733-711-55	10	EA	11/02/92 11/04/92	219.000 E.
WELD JET, BUTT, 1" X 1/2, SS, SCH-40				

CONTINUE

CP&amp;L REQ: 02-7C6380

REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

FORM NO. 1A REV. 1/92

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

**CP&L**FIELD COPY-QA  
PURCHASE ORDER

PAGE : 6

CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1351 RALEIGH, N.C. 27602  
78474TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5957-T

PUR	ORDER NO.	LOC	DATE
	7C5685DK		10/04/92
AGREEMENT NO.		CHANGE NO.	

SHIP TO:

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ROBINSON PLANT-G.T.MCCOY

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C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

URGENT

DESTROYED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MOC	VENDOR INST.	SPECIFICATION AND DATE
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DOCUMENTATION CODE(S)							INVOICE PAYMENT TERMS	
6 D26							CONFIRMED WITH	
PVIA-FREIGHT TERMS							F.O.B.	
EM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER	

ASTM/ASME A/SA-182 GR. F316; ASME SECTION III, SUB  
SECTION NC. ANY ASTM EDITION OR ASME EDITION AND  
ADDENDA FROM 1974 THROUGH 1990. THE MATERIAL SHALL  
BE ACCOMPANIED BY A CERTIFIED MATERIAL TEST REPORT  
(CMTR) AND EACH ITEM SHALL BE MARKED IDENTIFYING A  
HEAT/LGT NUMBER TO PROVIDE TRACEABILITY TO THE  
CMTR. THIS ITEM SHALL BE HANDLED, SHIPPED AND  
STORED AS REQUIRED BY ANSI N45.2.2 LEVEL "C".

\*\*\*\*\* MANUFACTURER'S PART #'S \*\*\*\*\*

1-45599 - HUE INC. - NA

VENDOR TO PROVIDE API PIPET TO A BONNEY FORGE DESIGN

## VENDOR INSTRUCTIONS

C - THIS ITEM SHALL BE STORED, PACKAGED, AND  
SHIPPED IN ACCORDANCE WITH ANSI N45.2.2, 1972  
EDITION (OR LATER EDITION IMPLEMENTED IN  
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VENDOR SHALL IMPLEMENT A DOCUMENTED  
QUALITY ASSURANCE PROGRAM WHICH CONFORMS TO  
THE APPLICABLE REQUIREMENTS OF NCA 3800 OF  
ASME SECTION III (EDITION AS SPECIFIED).

CONTINUE

REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

FORM NO. 1A REV. 1/92



FIELD COPY-QA  
PURCHASE ORDER

PAGE : 7

CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474

PURCHASE ORDER NO.	LOC.	DATE
7C5685DK		10/04/92
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TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

SHIP TO:

CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOY

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C/O P.O. INVOICE ACCOUNTING  
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RALEIGH, N.C. 27602

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06, 026							CONFIRMED WITH	
SHIP VIA-FREIGHT TERMS							F.O.B.	
ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER	

EXTENDED DESCRIPTION).

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CAROLINA POWER & LIGHT COM.  
MANAGER - NUCLEAR LICENSING  
BOX 1551  
RALEIGH, NORTH CAROLINA 27602

CAROLINA POWER & LIGHT COMPANY  
DEPARTMENT MANAGER  
BRUNSWICK NUCLEAR PROJECT  
NC HWY. 87, 2 1/2 MI. NORTH  
BOX 10429  
SOUTHPORT, NC 28461

CAROLINA POWER & LIGHT COMPANY  
DEPARTMENT MANAGER  
HARRIS NUCLEAR PROJECT  
STATE ROAD 1134, BOX 165

CONTINUE

REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

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**CP&L**FIELD COPY-QA  
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ROBINSON PLANT-G.T.MCCOY

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER
- FAX NUMBER 919/546-6750
- SHOW OUR ORDER NUMBER AND PART NUMBER ON INVOICES, PACKING SLIPS, PACKAGES, AND CORRESPONDENCE REFERENCING THIS MATERIAL
- ACKNOWLEDGE RECEIPT OF THIS ORDER PROMPTLY
- THE ATTACHED SPECIFICATION IS HEREBY INCORPORATED AND MADE PART OF THIS ORDER

MAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

IMPORTANT ▶

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MOC	VENDOR INST.	SPECIFICATION AND DATE
CN								
DOCUMENTATION CODE(S)							INVOICE PAYMENT TERMS	
D6 D26								
SHIP VIA-FREIGHT TERMS				F.O.B.			CONFIRMED WITH	

ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER
------	----------	----------	-----	------------	------------------	------------	-----

NEW HILL, NC 27562

CAROLINA POWER & LIGHT COMPANY  
DEPARTMENT MANAGER  
ROBINSON NUCLEAR PROJECT  
SC HWY. 151 & 23, BOX 790  
HARTSVILLE, SC 29550NONCONFORMANCE TO PURCHASE ORDER REQUIREMENTS OR  
CP&L APPROVED DOCUMENTS WHICH CONSIST OF ONE  
OR MORE OF THE FOLLOWING SHALL BE SUBMITTED TO  
CP&L FOR APPROVAL OF THE RECOMMENDED  
DISPOSITION:

1. TECHNICAL OR MATERIAL REQUIREMENT IS VIOLATED.
2. SUPPLIER DOCUMENTS APPROVED BY CP&L ARE VIOLATED.
3. NONCONFORMANCE CANNOT BE CORRECTED BY CONTINUANCE OF THE ORIGINAL MANUFACTURING PROCESS OR BY REWORK.
4. THIS ITEM DOES NOT CONFORM TO THE ORIGINAL REQUIREMENTS EVEN THOUGH THE ITEM CAN BE RESTORED TO A CONDITION SUCH THAT THE CAPABILITY OF THE ITEM TO FUNCTION IS UNIMPAIRED.

THESE SUBMITTALS SHALL INCLUDE SUPPLIER'S  
RECOMMENDED DISPOSITION (FOR FY: MPE.  
"USE-AS-IS" OR "REPAIR") AND TECHNICAL

CONTINUE

REFER ALL CORRESPONDENCE TO:  
JACKIE L. BRIDGESTELEPHONE NO.  
919/546-7523

AUTHORIZED BUYER

FORM NO. 1A REV 1/92

FIELD COPY-OA  
PURCHASE ORDER

**CP&L**

CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551  
RALEIGH, N.C. 27602  
78474

TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

PURCHASE ORDER NO.	LOC.	DATE
7C5685DK		10/04/92
AGREEMENT NO.	CHANGE NO.	

SHIP TO:  
CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T. MCCOY

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER.
- FAX NUMBER: 919/546-6750
- SHOW OUR ORDER NUMBER AND PART NUMBER ON INVOICES, PACKING SLIPS, PACKAGES, AND CORRESPONDENCE REFERENCING THIS MATERIAL.
- ACKNOWLEDGE RECEIPT OF THIS ORDER PROMPTLY.
- THE ATTACHED SPECIFICATION IS HEREBY INCORPORATED AND MADE PART OF THIS ORDER.

MAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

IMPORTANT

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MQC	VENDOR INST.	SPECIFICATION AND DATE
							CA	
DOCUMENTATION CODE(S)								INVOICE PAYMENT TERMS
D6, D26								CONFIRMED WITH
SHIP VIA-FREIGHT TERMS								
				F.O.B.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT
								UNIT PRICE
								PER

JUSTIFICATION. FORWARD SUBMITTALS TO THE  
APPROPRIATE NUCLEAR PROJECT LOCATION (ADDRESS  
LISTED ABOVE).

DOCUMENTATION REQUIREMENTS

THE FOLLOWING DATA PACKAGES SHALL BE SUBMITTED FOR  
APPROVAL AT TIME OF SHIPMENT:

- D6 - CERTIFIED MATERIAL TEST REPORTS
- D26 - CERTIFICATION OF CONFORMANCE TO THIS  
PURCHASE ORDER

ITEM TOTAL

2190.00

101.000 E

6 EA 10/05/92 11/04/92

03 733-664-29

ELBOW, BUTT, 1", SCH-40S, LR, 900  
ASTM/ASME A/SA-403 GR. WP316; ASME SECTION III,  
SUBSECTION NC, ANY ASTM EDITION OR ASME EDITION  
AND ADDENDA FROM 1974 THROUGH 1989. MATERIAL SHALL  
BE ACCOMPANIED BY A CERTIFIED MATERIAL TEST REPORT  
(CMTR), AND EACH ITEM SHALL BE MARKED IDENTIFYING  
A HEAT/LOT NUMBER TO PROVIDE TRACEABILITY TO THE  
CMTR. THIS ITEM SHALL BE HANDLED, SHIPPED AND  
STORED AS REQUIRED BY ANSI N45.2.2, LEVEL "C".

\*\*\*\*\* MANUFACTURER'S PART #'S \*\*\*\*\*

45599 - HUB INC. - NA

CONTINUE

CP&L REQ: 03-7 3384  
REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

FORM NO. 1A REV. 1/92

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

FIELD COPY-QA  
PURCHASE ORDER**CP&L**CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

7C5685DK	10/04/92
AGREEMENT NO.	CHANGE NO.

SHIP TO:

CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOYMAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER.
- FAX NUMBER: 919/546-6750
- SHOW OUR ORDER NUMBER AND PART NUMBER ON INVOICES, PACKING SLIPS, PACKAGES, AND CORRESPONDENCE REFERRING THIS MATERIAL.
- ACKNOWLEDGE RECEIPT OF THIS ORDER PROMPTLY.
- THE ATTACHED SPECIFICATION IS HEREBY INCORPORATED AND MADE PART OF THIS ORDER.

IMPORTANT

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MOC	VENDOR INST.	SPECIFICATION AND DATE
							CN	
DOCUMENTATION CODE(S)								INVOICE PAYMENT TERMS
D6, D26								CONFIRMED WITH
SHIP VIA-FREIGHT TERMS								
ITEM		PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER

PRICED PER QUOTE OF 9/30/92 FROM LISA C.

VENDOR INSTRUCTIONS

N - THIS ITEM IS IMPORTANT TO NUCLEAR SAFETY. THE VENDOR SHALL IMPLEMENT A DOCUMENTED QUALITY ASSURANCE PROGRAM WHICH CONFORMS TO THE APPLICABLE REQUIREMENTS OF NCA 3800 OF ASME SECTION III (EDITION AS SPECIFIED IN EXTENDED DESCRIPTION).

SUPPLIER SHALL EXTEND APPLICABLE QA REQUIREMENTS TO LOWER-TIER SUPPLIERS.

SURVEILLANCE WILL NOT NORMALLY BE CONDUCTED ON REPLACEMENT ITEMS. BUT CP&L SHALL HAVE THE RIGHT OF ACCESS TO SUPPLIER FACILITIES AND QA RECORDS FOR SOURCE INSPECTIONS AND QA AUDIT.

THIS ITEM IS SUBJECT TO THE PROVISIONS OF 10CFR21. CP&L NUCLEAR LICENSING AND THE APPROPRIATE NUCLEAR PROJECT LOCATION SHALL BE CONCURRENTLY NOTIFIED OF ANY REPORTS MADE TO THE NRC PURSUANT TO 10CFR21. SUBMIT NOTIFICATION TO:

CAROLINA POWER & LIGHT COM.  
MANAGER - NUCLEAR LICENSING  
BOX 1551

CONTINUE

REFER ALL CORRESPONDENCE TO:  
JACKIE L. BRIDGESTELEPHONE NO.  
919/546-7523

AUTHORIZED BUYER



**CP&L**

**CAROLINA POWER & LIGHT COMPANY**  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474

**TIOGA PIPE SUPPLY CO., INC.**  
P.O. BOX 5997-T

FIELD COPY-QA  
PURCHASE ORDER

PAGE : 11	
LAST ORDER NO.	DATE
7C5685DK	10/04/92
AGREEMENT NO.	CHANGE NO.

SHIP TO:

**CAROLINA POWER & LIGHT CO**  
**ROBINSON PLANT-G.T.MCCOY**

MAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
**CAROLINA POWER & LIGHT CO.**  
**C/O P.O. INVOICE ACCOUNTING**  
**P.O. BOX 1551**  
**RALEIGH, N.C. 27602**

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER
- FAX NUMBER 919-546-8750
- SHOW OUR ORDER NUMBER AND PART NUMBER ON INVOICES, PACKING SLIPS, PACKAGES, AND CORRESPONDENCE REFERRING THIS MATERIAL
- ACKNOWLEDGE RECEIPT OF THIS ORDER PROMPTLY.
- THE ATTACHED SPECIFICATION IS HEREBY INCORPORATED AND MADE PART OF THIS ORDER

**IMPORTANT**

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MOC	VENDOR INST.	SPECIFICATION AND DATE
							CN	
DOCUMENTATION CODE(S)							INVOICE PAYMENT TERMS	
D6, D26							CONFIRMED WITH	
SHIP VIA-FREIGHT TERMS							F.O.B.	
		QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER	

ITEM PART NO.

RALEIGH, NORTH CAROLINA 27602

**CAROLINA POWER & LIGHT COMPANY**  
**DEPARTMENT MANAGER**  
**BRUNSWICK NUCLEAR PROJECT**  
**NC HWY. 87, 2 1/2 MI. NORTH**  
**BOX 10429**  
**SOUTHPORT, NC 28461**

**CAROLINA POWER & LIGHT COMPANY**  
**DEPARTMENT MANAGER**  
**HARRIS NUCLEAR PROJECT**  
**STATE ROAD 1134, BOX 165**  
**NEW HILL, NC 27562**

**CAROLINA POWER & LIGHT COMPANY**  
**DEPARTMENT MANAGER**  
**ROBINSON NUCLEAR PROJECT**  
**SC HWY. 151 & 23, BOX 790**  
**HARTSVILLE, SC 29550**

NONFORMANCE TO PURCHASE ORDER REQUIREMENTS OR  
CP&L APPROVED DOCUMENTS WHICH CONSIST OF ONE  
OR MORE OF THE FOLLOWING SHALL BE SUBMITTED TO  
CP&L FOR APPROVAL OF THE RECOMMENDED  
DISPOSITION:

1. TECHNICAL OR MATERIAL REQUIREMENT IS VIOLATED.
2. SUPPLIER DOCUMENTS APPROVED BY CP&L ARE VIOLATED.

CONTINUE

REFER ALL CORRESPONDENCE TO:

**JACKIE L. BRIDGES**

FORM NO. 1A REV 11/92

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

**CP&L**FIELD COPY-OA  
PURCHASE ORDERCAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474

PURCHASE ORDER NO.	LOC	DATE
7C5685DK		10/04/92
AGREEMENT NO.		CHANGE NO.

TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

SHIP TO:

CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOYMAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER
- FAX NUMBER 919/546-6750
- SHOW OUR ORDER NUMBER AND PART NUMBER ON INVOICES, PACKING SLIPS, PACKAGES, AND CORRESPONDENCE REFERENCING THIS MATERIAL
- ACKNOWLEDGE RECEIPT OF THIS ORDER PROMPTLY
- THE ATTACHED SPECIFICATION IS HEREBY INCORPORATED AND MADE PART OF THIS ORDER

IMPORTANT

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MQC	VENDOR INST.	SPECIFICATION AND DATE
							CN	
DOCUMENTATION CODE(S)								INVOICE PAYMENT TERMS
D6 D26								CONFIRMED WITH
SHIP VIA-FREIGHT TERMS								F.O.B.

ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER
------	----------	----------	-----	------------	------------------	------------	-----

3. NONCONFORMANCE CANNOT BE CORRECTED BY CONTINUANCE OF THE ORIGINAL MANUFACTURING PROCESS OR BY REWORK.

4. THIS ITEM DOES NOT CONFORM TO THE ORIGINAL REQUIREMENTS EVEN THOUGH THE ITEM CAN BE RESTORED TO A CONDITION SUCH THAT THE CAPABILITY OF THE ITEM TO FUNCTION IS UNIMPAIRED.

THESE SUBMITTALS SHALL INCLUDE SUPPLIER'S RECOMMENDED DISPOSITION (FOR EXAMPLE, "USE-AS-IS" OR "REPAIR") AND TECHNICAL JUSTIFICATION. FORWARD SUBMITTALS TO THE APPROPRIATE NUCLEAR PROJECT LOCATION (ADDRESS LISTED ABOVE).

C - THIS ITEM SHALL BE STORED, PACKAGED, AND SHIPPED IN ACCORDANCE WITH ANSI N45.2.2, 1972 EDITION (OR LATER EDITION IMPLEMENTED IN ACCORDANCE WITH AN ENDORSING NRC REGULATORY GUIDE) OR APPROVED EQUIVALENT. THE VENDOR SHALL IDENTIFY ANY SPECIAL STORAGE REQUIREMENTS IMPOSED.

DOCUMENTATION REQUIREMENTS

THE FOLLOWING DATA PACKAGES SHALL BE SUBMITTED FOR APPROVAL AT TIME OF SHIPMENT:

D6 - CERTIFIED MATERIAL TEST REPORT.

CONTINUE

REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

FORM NO. 1A REV 1/92



FIELD COPY: OA  
PURCHASE ORDER**CP&L**CAROLINA POWER & LIGHT COMPANY  
P.O. BOX 1551 RALEIGH, N.C. 27602  
78474TIOGA PIPE SUPPLY CO., INC.  
P.O. BOX 5997-T

PURCHASE ORDER NO.	LOC.	DATE
7C5685DK		10/04/92
AGREEMENT NO.	CHANGE NO.	

SHIP TO:

CAROLINA POWER & LIGHT CO  
ROBINSON PLANT-G.T.MCCOYMAIL ORIGINAL AND 2 COPIES OF INVOICE TO:  
CAROLINA POWER & LIGHT CO.  
C/O P.O. INVOICE ACCOUNTING  
P.O. BOX 1551  
RALEIGH, N.C. 27602

- THIS ORDER IS SUBJECT ONLY TO THE TERMS AND CONDITIONS APPEARING ON THE REVERSE OF THIS ORDER.
- FAX NUMBER: 919/546-6750
- SHOW OUR ORDER NUMBER AND PART NUMBER ON INVOICES, PACKING SLIPS, PACKAGES, AND CORRESPONDENCE REFERENCING THIS MATERIAL.
- ACKNOWLEDGE RECEIPT OF THIS ORDER PROMPTLY
- THE ATTACHED SPECIFICATION IS HEREBY INCORPORATED AND MADE PART OF THIS ORDER.

IMPORTANT: ▶

REQUESTED BY	PRIORITY	DELIVER TO/W.O. NO.	RECEIPT INSP.	SC	ESC	MQC	VENDOR INST.	SPECIFICATION AND DATE
							CN	
DOCUMENTATION CODE(S)								INVOICE PAYMENT TERMS
D6 D26								CONFIRMED WITH
SHIP VIA-FREIGHT TERMS								F.O.B.
ITEM	PART NO.	QUANTITY	U/M	REQ'D DATE	VNDR DELIVERY DT	UNIT PRICE	PER	

D26 - CERTIFICATION OF CONFORMANCE TO THIS  
PURCHASE ORDER

ITEM TOTAL

606.00

P.O. TOTAL

2974.85

REFER ALL CORRESPONDENCE TO:

JACKIE L. BRIDGES

TELEPHONE NO.

919/546-7523

AUTHORIZED BUYER

ENCLOSURE 2

RECEIPT INSPECTION DOCUMENTATION

Bin 15

RECEIPT INSPECTION REPORT		PERF: 9177,002	Rev. 0	Page 1 of 1
No: 92-926627 Procurement		<input checked="" type="checkbox"/> NG <input type="checkbox"/> CG	Criteria 001 PFWY DI 0006	
PO: 7C5885 Class		<input type="checkbox"/> AQ <input type="checkbox"/> Other	Vendor Code 78474 / T.eg.1	

I t e m	Q t y	Description/CP&L P/N 733-664-29	S p e c t	S t a c t	D T	E l e c	G l a s s	D e s i s	P h y s	I D h y s	P h y s	C h l o u b a m i & s i r & p o e s e a l	W l o u b a m i & s i r & p o e s e a l	L o u b a m i & s i r & p o e s e a l	C h l o u b a m i & s i r & p o e s e a l	D e s i s e a l	W l o u b a m i & s i r & p o e s e a l
3	6	1" Buttweld elbow LR 70 J	I S e n s i t i v e	S t a c t	D T	E l e c	G l a s s	D e s i s	P h y s	I D h y s	P h y s	C h l o u b a m i & s i r & p o e s e a l	W l o u b a m i & s i r & p o e s e a l	L o u b a m i & s i r & p o e s e a l	C h l o u b a m i & s i r & p o e s e a l	D e s i s e a l	W l o u b a m i & s i r & p o e s e a l

Inspections Required \_\_\_\_\_  
Inspections Performed A=Accept \*-Reject

ID#	Manufacturer	ID#	Manufacturer
HC LBGF	Taylor Forge		

Calibrated Tools Used -- Model No. \_\_\_\_\_ SN \_\_\_\_\_ Mfg \_\_\_\_\_

Remarks: (1) Material will not check as 316 on the alloy analyzer, shows as 304 on numerous tests. See attached analysis. Please advise. (P.E.)

Adverse Condition Report written on 11-11-92 - D.2.ily. ACR # 92-394

INSPECTED BY: J. Beauchamp 11/3/92 Date N/A REVIEWED BY: \_\_\_\_\_ Date \_\_\_\_\_

Corrective Action/Disposition Details: Elbows shipped to Laboratory Testing Inc. For further testing per TIGA Pipe Supply's Request. Final Resolution to be tracked and documented via ACR # 92-394. Replacement shipment was received + accepted on RTR 92-93612

COMPLETED BY: Dennis L.ily 11-12-92 Date J. Beauchamp 11/3/92 Date

NOV 11 '92 14:24 CP&L PURCHASING  
NOV 11 '92 13:14PM

P.2



PIPE SUPPLY COMPANY INC. □ 2450 WHEATSEAF LANE, PHILADELPHIA PA. 19137 □ 215 831 0700 □ WATS 800 828 0678  
TELEX 83-4650 □ FAX 215 833 1645

11/11/92

Carolina Power & Light

Attn: Jackie Bridges

PURCHASING

NOV 11 1992

Reference: Your PO# 7C5685 DK  
1" S/40 LR 90° - 3/4

Jackie,

Please use Return Authorization  
number 0604 and ship these  
90° elbows via Federal Express  
today to: Laboratory Testing Inc  
120 Mill St  
Quakertown, Pa 18917

If you have any further questions,  
please call.

Thank you

Lisa Chynowski



DISTRIBUTOR OF CARBON STAINLESS AND ALLOY STEEL TUBULAR PRODUCTS FITTINGS AND FLANGES



24

**CP&L**

FORM NO 36005  
CP&L #049-000-15  
REV 10/84

RECEIVER / INSPECTION REPORT

DATE 11/12/92 LOCATION 02 ROBINSON PLANT

PO# 7C5685 RECV# 926629  
LINE# 03 DATE RECV. 11/12/92  
REQ. BY GTM RECV. BY RDH  
MAN. REQ# 7C6384 QTY RECV

\*\* INCORRECT DISP \*\*

6.00 PKSLIP QTY

6.00 BAL DUE

0.00

CURRENT PART # 733-664-29  
NAME ELBOW, BUTT, 1", SCH-40S, LR, 90D  
ASTM/ASME A/SA-403 GR. WP316; ASME SECTION III,  
SUBSECTION NC, ANY ASTM EDITION OR ASME EDITION  
AND ADDENDA FROM 1974 THROUGH 1989. MATERIAL SHALL

VENDOR 78474  
TIOGA PIPE SUPPLY CO., INC.  
BUYER JACKIE L. BRIDGES  
PHONE 919 5467523

ACCOUNT #

UNIT PRICE PER U/M  
101.000 E EA

BIN LOCATION  
INCORRECT

MQC  
Q

VENDOR INST.  
NC

U/I U/QTY  
EA

STORAGE C

INSP. REQ

AE

MIN  
MAX

0  
0

\*\*\* INCORRECT MATERIAL \*\*  
QTY INCORRECT 0.00  
QTY ACCEPTED 0.00  
QTY RETURNED 6.00  
RESHIP CORR Y

BUYER -----

DATE ----- N/A

SIGNATURE  
APPROVALS -----

RECOMMENDED  
DISPOSITION -----

DISCREPANCY  
DESCRIPTION -----

25

FORM NO. 88564  
12/83

METALLURGICAL SERVICES SECTION  
HARRIS E&E CENTER  
P. O. BOX 327 (SR 1127)  
NEW HILL, NC 27562

PROJECT REQUEST FORM

Request Date: 11/5/92

To: David E. Whitaker, Manager - Metallurgical Services Section

Requestor's Name: BRUCE FARMER / CHESLEY BRYAN

Telephone No.: 803-383-1846

Plant/Department: HBR MC

Plant Unit No.: 2

Component or System Involved: \_\_\_\_\_

Is this Project Nuclear Safety Related: Yes ☒ No ☐

Applicable Code(s) or Specification: \_\_\_\_\_

Brief description of problem or question and priority: VERIFY MATERIAL AS 316SS. NOTE: ALLOY ANALYSIS AT HBR SHOWED MAT'L AS 304 (LOW MO OF .14%). PERFORM ADDITIONAL TESTS AS NECESSARY TO VERIFY MO CONTENT.

Type of response required:

Date Response needed: 11/10/92

Verbal ☐

Short Memo ☒

Full Length Report ☐

Procedure QR ☐

WPS ☐

Performance QR ☐

Other ☐

Special Instructions, Charge Number (if applicable) or comments: \_\_\_\_\_

NOTE: PLEASE FILE TO OBTAIN FILINGS FOR TESTING.

HBR NEEDS THE ELBOWS RETURNED.

CP4L P/N 733-664-29

TEST 2 PER QVS-402 SAMPLING.

P.O. 7C5085

(6 ELBOWS REC'D ON P.O.)

TO BE COMPLETED BY METALLURGICAL SERVICES SECTION PERSONNEL

Incoming Unit Authorization: \_\_\_\_\_

Unit Manager

Date

Project Number: \_\_\_\_\_

Estimated Manhours: \_\_\_\_\_

Project Type

Failure Analysis ☐

Welding ☐

Mechanical Test ☐

Remaining Life ☐

Asbestos ☐

WPS ☐

Material Identification ☐

Procedure QR ☐

Performance QR ☐

Scale Mass Determination ☐

Other ☐

Project Title: \_\_\_\_\_

Date Received: \_\_\_\_\_

Targeted Completion Date: \_\_\_\_\_

Investigator: \_\_\_\_\_

Investigator: \_\_\_\_\_

Investigator: \_\_\_\_\_

Investigator: \_\_\_\_\_

Project Status: Complete ☐ Cancelled ☐

Outgoing Approval: \_\_\_\_\_

Unit Manager

Date

CAROLINA POWER & LIGHT COMPANY  
METALLURGICAL SERVICES SECTION  
MATERIALS EVALUATION - METALLURGICAL UNIT

MEMORANDUM

To: Bruce Farmer

Project Number: 92-645

Date: NOV 6 1992

Investigators:

J.W. Wood

Reviewed by:

Distribution:

File

Approved by: D.J. Block

Manager, Materials Evaluation-  
Metallurgical Unit

Subject: Robinson 2 - CGI - Material Verification of Two Elbows,  
CP&L PN 733-664-29, PO 7C5685-03

The objective of this analysis was to perform a materials verification on two ninety degree elbows. The elbows had been procured under Purchase Order Number 7C5685-03 as CP&L Part Number 733-644-29. The elbows were specified as Type 316 stainless steel.

Material verification was performed on metallographically prepared filings from the two elbows using an energy dispersive X-ray spectrometer (EDS) attached to a scanning electron microscope (SEM). It should be noted that this analytical technique does not permit the analysis of elements having atomic numbers less than eleven or present in concentrations of less than one-tenth of a weight percent. Therefore, elements such as carbon, hydrogen, and oxygen, for example, are not detected by this instrumentation. The EDS/SEM results provided results which showed the two elbows to have compositions which were most similar to Type 304 stainless steel instead of Type 316 stainless steel.

**CP&L**

FORM NO. 36005  
CP&L #049-000-15

ATTACHMENT 1 TO ACR 92-394

UPON PERFORMING A RECEIPT INSPECTION OF SIX EACH LONG RADIUS, ONE INCH, NINETY DEGREE ELBOWS, THE MATERIAL TYPE WAS FOUND TO BE INCORRECT. AS PART OF THE QVS MATERIAL VERIFICATION PROGRAM, ELBOWS WERE ANALYZED USING THE ALLOY ANALYZER. THE ANALYZER DETERMINED THE MATERIAL TYPE AS 304SS. PURCHASE ORDER NO. 7C5685 REQUIRES MATERIAL TO BE 316SS. AFTER FURTHER TESTING BY THE HARRIS E&E CENTER, ELBOWS WERE CONFIRMED TO HAVE AN INCORRECT MATERIAL TYPE OF 304SS. THE VENDORS Q.C. MANAGER WAS NOTIFIED WHO IN TURN CONTACTED THE FOUNDRY (TAYLOR FORGE). THE FOUNDRY VERBALLY CONFIRMED THROUGH TIOGIA SUPPLY THAT AN ERROR HAD BEEN MADE AND THE MATERIAL TYPE IS ACTUALLY 304SS AS SUSPECTED. THE Q.C. MANAGER STATED TAYLOR FORGE HAD AGREED TO INITIATE A 10CFR21 REPORT. BE ADVISED THE ELBOWS WERE REPRESENTED BY THE VENDOR AND THE MANUFACTURER AS BEING 316SS THROUGH ATTACHED CERTIFICATE OF CONFORMANCE, CMTRS FROM BOTH TAYLOR FORGE STAINLESS AND COMBUSTION ENGINEERING, AND ACTUAL MARKINGS ON THE ELBOWS.

*James Beauchamp*  
JAMES BEAUCHAMP  
11-10-92

*D. Lisenby*  
DEWITT LISENBY  
11-10-92

0973

4373





PIPE SUPPLY COMPANY INC. ☐ 2450 WHEATSHEAF LANE, PHILADELPHIA, PA 19137 ☐ 215 831-0700  
WATS NUMBER 800 523-3678 ☐ TELEX 83-4650  
FAX 215 533-1645

RELEASE FOR SHIPMENT

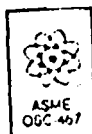
DATE: 10-19-92  
COMPANY: Taylor Forge Stnls  
TELECOPY #: \_\_\_\_\_  
ATTENTION: Debbie  
SUBJECT: TIoga P.O. # A5099FN YOUR# 1386N  
PAGES TO FOLLOW: 1  
FROM: Louise

PLEASE RELEASE FOR SHIPMENT AND SHIP TO: ✓

NAME: Carolina Power & Light  
H B Robinson C L Plant  
ADDRESS: SC Hwy 151 - S H Hwy 23  
Hartsville, SC 29556

PLEASE INCLUDE THE FOLLOWING WITH SHIPMENT: ✓

- ☒ TIoga PIPE'S C of C  
☒ MILL TEST CERTIFICATE  
☐ CUSTOMER'S C of C  
☐ OTHER



DISTRIBUTOR OF CARBON STAINLESS AND ALLOY STEEL TUBULAR PRODUCTS FITTINGS AND FLANGES



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# TAYLOR FORGE STAINLESS

22 Readington Road, North Branch, New Jersey 08876  
P.O. Box 610, Somerville, New Jersey 08876  
Phone: (908) 722-1313

## PACKING LIST

28893

ORDER NO.	CUST. P.O. #	PAGE #
1386N	456996	

S  
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11000  
110GA PIPE  
2450 WHEATSHEAF LANE

PHILADELPHIA PA 19137

S  
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P  
T  
O

CAROLINA POWER & LIGHT  
H B ROBINSON E G PLANT  
SC HWY 151 SW HWY 23

HARTSVILLE SC 29550  
ATTN.

DATE		SHIP VIA	F.O.B.	TEST REPORTS:		CONTACT		
10/16/92		NEXT DAY - UPS	S.P. - PP & CHG	MTR'S - 1 COPY WITH SHIPMENT 1 COPY WITH INVOICE		MC/SB		
PART	DESCRIPTION	QTY. ORD.	QTY. TO SHIP	ACTUAL QTY.	HEAT #	HEAT #	HEAT #	
0931           1386N-03  4	QA RELEASE FORM 42		/					
	ASME SA403 WP 316S		/					
	ASME SEC. III, CL. 2:		/					
	1986 ED NO ADD;		/					
	SA 652 RM.RO.RP.		/					
	TPS ATTACHMENT A 1 REV-0,		/					
	1-15 AND 190 APPLY		/					
	ANSI M45.2.2 LEVEL D APPLY		/					
	TAG: 7C5625 DK		/					
	1 LR 90 40S 316S TAG: CP&L PART # 733-664-29	6	6	6	LBQF			
SHIP DATE		VIA	D.L. #	# OF BOXES	WEIGHT	ZONE	UPS CHARGES	PACKED

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PIPE SUPPLY COMPANY INC.  
2450 WHEATSHEAF LANE, PHILADELPHIA, PA 19137

# CUSTOMER PURCHASE ORDER CERTIFICATE OF CONFORMANCE

Description	Applies		Description	Applies	
	Yes	No		Yes	No
Material Manufacturers Certified Material Test Report (CMTR)	X		Report of treatments, examinations or tests not performed		X
Material Manufacturers Supplemental Certifications for Examinations and/or Tests		X	Manufacturers or subcontractors Radiographic Reader's Report		X
Material Manufacturers Subcontractors CMTR		X	Manufacturers or subcontractors Radiographic Film		X
Tioga Pipe Supply Co., Inc. Subcontractors CMTR for NDE		X	Partial Data Reports or other records for weld w/filler metal pipe		X
Tioga Pipe Supply Co., Inc. Subcontractors CMTR for Destructive Testing		X	Tioga Pipe Supply Co., Inc. Certificate of Analyses and Tests		X

Material Ordered: 1" SCH40S L/R 90 DEGREE ELBOW - 6 PCS

- 1) ASME CODE SECTION II 1986 EDITION NO ADDENDA FOR ASME SA403 WP316 MATERIALS.
- 2) ASME CODE SECTION III 1986 EDITION NO ADDENDA ARTICLES NC-2000 AND NCA-3800 FOR CLASS 2 MATERIALS.
- 3) ASME SA652 CLASS 2 RM, RO & RP

Traceability: LBQF

Manufacturer: TAYLOR FORGE STAINLESS

Tioga Pipe Supply Co., Inc. affirms that the contents of their attached reports is correct and accurate and that this material was processed by Tioga Pipe Supply Co., Inc. in compliance with their Quality Systems Program. The material supplied conforms to the purchase order requirements.

## REFERENCE INFORMATION

Customer P.O. # 7C5685DK  
Item # 03

Tioga S.O. # 782580  
Item # 3

Tioga Pipe Supply Co., Inc.  
ASME Certificate of Authorization  
(Materials) - Number QSC- 467  
Expiration Date - 11-5-94

Category A

*Louise Lorman* 10-19-92  
Quality Assurance Date

# TAYLOR FORGE STAINLESS

P.O. Box 610  
Somerville, NJ 08876  
201-722-1313  
Telex: 833451

## MANUFACTURER TEST REPORT

1386N-03 QTY: 6 PO# A50998N

PRODUCT NUMBER: \_\_\_\_\_

PRODUCT DESCRIPTION: 1" LR 90 S/40S WP316S SA403

TEST REPORT

HEAT SYMBOL

**LBQF**

PHYSICAL PROPERTIES					CHEMICAL ANALYSIS									
YIELD STRENGTH PSI	TENSILE STRENGTH PSI	ELONG IN 2" %	REDU IN AREA %	HARDNESS	C %	MN %	P %	S %	SI %	MO %	CR %	NI %	CO %	
45000	87000	61			.015	1.80	.023	.001	.26	2.16	17.30	12.58		

0.2% Offset

Start Mat Spec

SA312

☐ L ☐ S ☐ H

MILL HEAT NO

KSD1117

☐ Welded

☒ Seamless

- ☐ U.T. Insp. & Accepted per Process \_\_\_\_\_
- ☐ R.T. Insp. & Accepted per Process \_\_\_\_\_
- ☒ P.T. Insp. & Accepted per Process \_\_\_\_\_
- ☒ Annealed 1950° F 1 Hr./in. max. thickness and water quenched to less than 800° F in less than 3 minutes
- ☒ Hydro flattening tests satisfactory
- ☒ Fittings were manufactured in accordance with the purchase order requirements and specifications.
- ☒ Visual and dimensional inspection of fittings revealed conformance to the contract requirements.
- ☒ Material certified to be free of mercury, sulphur, halogen and low melting point alloy contamination.

### REMARKS:

ASME SA403 WP 316S  
ASME SEC, III, CL-2; 1986 ED NO ADD;  
SA652 IM.R0.RP.  
TPS ATTACHMENT A1 REV-0 1-15 AND 19D APPLY  
ANSI N45.2.2 LEVEL D APPLIES  
TAG: 7C5685 DK  
TAG: CP&L PART # 733-664-29  
10CFR21 AND NCA 3800 APPLY  
10CFR50 APPENDIX B APPLIES  
NO WELDING WAS PERFORMED  
QSC# 269 EXPIRES 1-21-95  
FINAL CLEANING PICKLING

DEBORAH LOVELESS  
QUALITY ASSURANCE TECH.

10-19-92  
DATE

*[Signature]* / QA  
QUALITY CONTROL

TIOGA PIPE  
QA ACCEPTANCE  
BY 22  
DATE 10-19-92

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# COMBUSTION ENGINEERING

## CERTIFICATE OF TEST

C-E Power Systems  
Combustion Engineering, Inc.  
500 W. 28th Street  
Chattanooga, Tennessee 37408 / Tel. 615/285-4837

CUSTOMER: GUYON ALLOYS, INC.

SIZE: 1" SCH. 40 "SMLS" S.S. TP-316 C/D

SPEC: ASTM A312-85A/ASME SA312 ASTM A376-85/ASME SA376 & ASME SECTION III CLASS 2, 1983 EDITION THRU WINTER 1985 ADDENDA

**LBQF**

CUSTOMER ORDER NO. A79699N

C-EORDER NO. 94365301

DATE: 09/08/86

PAGE 1

### COMPOSITION, PERCENT

HEAT NO.	% EL (2")	ULT STR (KSI)	YIELD STR (KSI)	C	Mn	P	S	Si	Ni	Cr	Mo	Cb+Ta
KSD1117	61	87	45	.015	1.80	.023	.001	.26	12.58	17.30	2.16	
				.018	1.83	.018	.006	.26	12.13	17.20	2.18	
				.017	1.83	.018	.006	.26	11.97	17.13	2.17	

HEAT ANALYSIS  
PRODUCT ANALYSIS 1  
PRODUCT ANALYSIS 2

BRIGHT ANNEALED FOLLOWED BY HYDROGEN QUENCHING FROM 1900 F TO 800 F IN NOT MORE THAN 3 MINUTES. PROCEDURE 9T-9.1.5.3(D) REVISED 11/03/81.  
ALL MATERIAL FURNISHED ON THIS ORDER IS FREE OF MERCURY CONTAMINATION.  
THIS MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH OUR QUALITY PROGRAM REV. D DATED 06/27/85 WHICH WAS AUDITED BY GUYON ALLOYS, INC. ON 11/22/85 AND APPROVED AS MEETING THE REQUIREMENTS OF ASME SECTION III, SUBSECTION NCA-3800.

**RADNOR ALLOYS**

*Taylor Doyle*  
42-29203

FLATS PASSED  
HYDRO 2500 PSIG PASSED  
ASTM A-262-79 PRACTICE E (CU-CUSON) PASSED  
PROVISIONS OF 10CFR21 APPLY TO THIS ORDER  
MATERIAL IS SUPPLIED IN ACCORDANCE WITH ASME SA 555-77 CLASS 2 & 3, PARAGRAPHS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.  
RM, RO AND RP. THE HEAT NUMBER (OR CODE) MARKED ON THE MATERIAL IDENTIFIES THAT MATERIAL WITH THIS CERTIFIED MATERIAL TEST REPORT.  
NO WELD REPAIRS HAVE BEEN MADE ON THIS MATERIAL.  
ELECTRIC FURNACE  
CONTAINS NICKEL AND CHROMIUM. WHEN TUBING IS WELDED, TOXIC FUMES MAY BE RELEASED. SEE MATERIAL SAFETY DATA SHEET FOR PRECAUTIONS.  
THIS IS TO CERTIFY THAT THE ABOVE MATERIAL HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH AND HAS MET ALL REQUIREMENTS OF THE SPECIFICATION.

Q. A. APPROVED  
BY: *[Signature]* DATE: 10-1-86  
GUYON ALLOYS, INC.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 08TH DAY OF SEPTEMBER, 1986

# COMBUSTION ENGINEERING

# CERTIFICATE OF TEST

**C-E Power Systems**  
Combustion Engineering, Inc.  
500 W. 26th Street  
Chattanooga, Tennessee 37408 / Tel 615/265-4631

CUSTOMER: GUYON ALLOYS, INC.\*\*\*\*\*

SIZE .1" SCH. 40 "SHLS" S.S. TP-316 C/D

SIZE 1" SCH. 40 SMCS 315. 11 11 11  
SPEC. ASTM A312-85A/ASME SA312 ASTM A376-85/ASME SA376 & ASME SECTION  
III, CLASS 2, 1983 EDITION THRU WINTER 1985 ADDENDA

CUSTOMER ORDER NO . A79699N

C-EORDER NO 94365301

DATE • 09/08/86

PAGE 2

			COMPOSITION, PERCENT												
HEAT NO.	ULT STR (KSI)	YIELD STR (KSI)	C	Mn	P	S	Si	Ni	Cr	Mo	Cb+Ta				
TUBE MANUFACTURING PLAN MET. AND QA DEPARTMENT															
James E. Clark															

Q. A. APPROVED  
BY: A. J. Miller DATE: 12-1-56  
GUYON ALLOYS, INC.

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# 4 3 7 5 INSPECTION SUMMARY 9 9 3 6

705685  
Purchase Order

926629  
RIR

11099  
Vendor

ITEM	ID	DESCRIPTION	1	2	3	AVG	U <sub>n</sub>	TENSILE REQ.	TOL. U <sub>n</sub>	ACC/REJ	DATE	EXAMINER

11/3/92  
Last Standardization

ITEM	IL	DESCRIPTION	Cr	Mn	Ni	Cu	Mo	Co	Nb	Fe	BKBS	FBS	MATERIAL	DATE	EXAMINER
1	269	1" x 1/6"	.05	17.51	1.97	11.15	.14			68.6			304	11/3/92	M. S. S. S.