

RECEIVED
RECORDS MANAGEMENT

2012 JAN 18 PM 2:32

STATE OF WASHINGTON
UTILITIES AND TRANSPORTATION
COMMISSION



Georgia-Pacific

CONSUMER PRODUCTS (CAMAS) LLC

401 NE Adams Street, Camas, WA 98607
Telephone: (360) 834-3021

January 18, 2012

Stephanie --

This is a follow up submittal in response to our telephone conversations on January 3 and 4, 2012, which discussed the Notice of Probable Violation issued to Georgia Pacific's Camas Mill (the Mill) on September 20, 2011, by the Washington Utilities and Transportation Commission (UTC). The Notice concerned a 1.7 mile natural gas pipeline that serves the Mill. This is a narrow diameter, low pressure pipeline that serves a single customer.

The Mill responded to the Notice with a written submittal and exhibits on October 21, 2011. In that response, we noted that none of the 33 alleged potential violations raised any issue about the physical safety of the pipeline; virtually all of the allegations addressed paperwork, procedures and training issues.

In our October 21, 2011, response to the Notice, we expressed our belief that the majority of all Items in the Notice should be resolved by our response (including additional documentation); only three general areas (which included 9 of the original 33 Items) required further action by the Mill. As stated in our October submittal, it was our intention to complete those actions by the end of January 2012.

In our recent phone conversations, you requested some additional information on 12 of the Items set forth in the initial Notice (9 of those relate to Items we believe should already be resolved, while 3 concern Items we agreed to take further action on by the end of January 2012). You asked if we could submit this additional information now, before the end of January, in a cooperative attempt to narrow or close this matter. We are complying with your request by this response.

Please note that we continue to work on those remaining Items that we previously indicated require further action (involving revisions to our Operations & Maintenance Manual, including Operator Qualification and Drug & Alcohol Program elements). We intend to provide notice to you by January 31, 2012, on the status of those activities. Of course, we will then resume our process of

'continual evaluation' and revision of all required Manuals and procedures, as required by law.

If you have any questions about this submittal, please do not hesitate to contact me. Our goal is to fully address all issues raised in UTC's September 20, 2011, Notice, and it is our intent to cooperate with UTC to achieve that result.

Sincerely,

Steve Ringquist

Pursuant to WAC 480-07-160, attachment 6 is designated as confidential to protect individual privacy.

GP Camas Mill

UTC Docket PG-11017 (9.20.11)

Additional Information on Select Items as Requested **Item No./Authority/Allegation or Concern (update provided below)**

2. WAC 480-93-017

Concern over discrepancies between construction design and implementation procedures

- Believed resolved by October 21, 2011 submittal and Exhibits
- Attachment 1 further establishes the pedigree of the pipe and the fittings used for this State road project
- Despite some inconsistencies between Manual and construction specs, dual rated 'X42/X52' pipe was used, with Y52 fittings
- Facility will be more careful in future projects on ensuring consistency in paperwork

3.1 WAC 480-93-018

Concern over construction project OQ records for contractors

- Believed resolved by October 21, 2011 submittal and Exhibits
- The contractor Alaska Continental utilizes the Veriforce database to manage and implement OQ training, which includes Written Testing
- Attachment 2 is a copy of the Veriforce written training guidelines

3.3 WAC 480-93-018

Concern over discrepancies between construction design and implementation procedures

- Believed resolved by October 21, 2011 submittal and Exhibits
- Attachment 1 further establishes the pedigree of the pipe and the fittings used for this State road project
- Despite some inconsistencies between Manual and construction specs, dual rated 'X42/X52' pipe was used, with Y52 fittings
- Facility will be more careful in future projects on ensuring consistency in paperwork

5 WAC 480-93-110

Concern about Corrosion control inspection and record keeping

- Believed resolved by October 21, 2011 submittal and Exhibits
- All four struts were removed and inspected before our October 21 submittal, with measurements documented
- Attachment 3 is the new Manual procedure for individually listing loss measurements

7.2 WAC 480-93-180

Concern about AMPP procedures

- Attachment 4 is a Letter from Wolfgang Associates clarifying the notification procedure if an employee of CPE is ineligible.

7.3 WAC 480-93-180

Concern about AMPP procedures

- Attachment 4 is a Letter from Wolfgang Associates clarifying the statistical record retention utilized for the AMPP, if necessary to implement
- The project at issue was only two weeks in duration and had no incidents, nor suspicion of abuse. Therefore no alcohol testing was implemented. This is consistent with both OMP and regulations regarding testing.

14 49 CFR §192.105

Concern about Variables in Design Pressure Formula

- Believed resolved by October 21, 2011 submittal and Exhibits
- Attachment 1 further establishes the pedigree of the pipe and the fittings used for this State road project
- The Yield Strength variable used in the calculations correctly matched the actual yield strength of the pipe (pipe max 52000, S=52000)

15 49 CFR §192.225

Welding Procedures

- Believed resolved by October 21, 2011 submittal and Exhibits
- Attachment 5 is the GP version of predecessor company weld procedure. This has been update in the OMP
- GP has added weld procedure GP CAMAS-01 to the OMP manual.

25 49 CFR §192.807

Concern over Recordkeeping

- Believed resolved by October 21, 2011 submittal and Exhibits
- Contractor Alaska Continental uses the Veriforce database to manage and implement the OQ training program.
- Attachment 2 is the Veriforce written OQ training procedure.

28.b 49 CFR §199.105

Concern about Drug Testing

- Operator J.S. was an apprentice who participated in training but was not intended to be Qualified
- JS was removed from the Qualified Operator pool on July 22, 2011.
- GP will revise its OMP to guard against unintentional Qualified Operator designations

29 49 CFR §119.113

Supervisor Training records

- Attachment 6 is the Completed Drug and Alcohol Training for Supervisors record.
- GP will revise its OMP to cover Drug and Alcohol Trainings for Supervisors and record keeping of such training

30 49 CFR §119.115

Concern over notification procedure for Contractor Employees

- Attachment 4 is the letter from Wolfgang Associates clarifying notification of ineligible contractor employees.
- GP will revise its OMP to cover notification of ineligibility of all contractor employees

GP respectfully submits that all of the Items noted above have now been fully addressed and should be considered closed out. As a supplement to our October 21, 2011, submittal, this response should clarify Items identified in UTC's September 20, 2011, Notice. As stated in our October submittal, we plan to provide notice to UTC by the end of January, 2012, on our status of completion of remaining activities

Documentation tracing the path between GP Camas purchase order and the materials delivered and used for the SR-14 Union St relocation project.

GP Camas issued a contract number (note this is the same as a Purchase Order) to Ferguson Enterprises, Inc for the pipe and fittings:

- GP Camas Contract Number: 00848579
- Reference Camas Contract (attached)

Ferguson Enterprises generated purchase orders to their suppliers for the materials:

- Ferguson PO#: F3002-5609 for the pipe
- Ferguson PO#: F3002-5611 for the fittings
- Reference Ferguson Enterprises Sales Order (attached)

Purchase Order F3002-5609 to Yarrs Corp. is filled with Material Test Report heat lot numbers:

- 200388
- 200388 A
- Reference email linking Ferguson PO# to Yarrs tally sheet and MTR reports (all attached)

Purchase Order F3002-5611 to Industrial Valco is filled with Material Test Report Heat Codes

- A08XMT1
- A08XMR2
- Reference Industrial Valco packing slip and MTR reports (all attached)

Contract



GEORGIA-PACIFIC

Contract: 00848579
Release :
Executed: 02/12/2010
Printed : 01/10/2012
Page : 1

Mail Invoice To:
Contract Invoicing
GP Consumer Products Camas LLC
401 NE Adams Street
CAMAS WA 98607

Vendor:
STEVE HARTZ 8773859235
FERGUSON ENTERPRISES INC
C/O FERGUSON INDUSTRIAL PLASTI
740 S 28TH ST
WASHOUGAL WA 98671-2512

Please Direct Inquiries to:
MIKE E. THOENNES
Title: PURCHASING MGR
Phone: 360-834-8469 Ext:
Fax : 360-834-8198

Work Location:
PURCHASING DEPARTMENT
GP CONSUMER PRODUCTS CAMAS LLC
CAMAS OPERATIONS
401 N.E. ADAMS
CAMAS WA 98607

Title: 10" NATURAL GAS LINE PIPE

** DUPLICATE COPY ** DRAFT COPY **

Total Value : \$31,268.32 USD
Pricing Method: ESTIMATE

Contract Type : EQUIPMENT/MATERIAL PURCH
Project :

Start Date: 02/08/2010
End Date : 04/02/2010

Vendor Authorized Signature

Authorized Signature

Printed Name/Title

Printed Name/Title

Date Signed

Phone

Date Signed

Phone

Terms and Conditions - Text at End

Fac Standard Rev S/P Text Title
7141 T&C 000 S Y FORM 7141 TERMS AND CONDITIONS

Scope of Work

Item 1

Provide 400 feet of pipe per the specification listed below:
PIPE, STEEL, API 5-L PSL2, 10" DIA, .307" WALL THK, MATERIAL GRADE X-42,

Contract



GEORGIA-PACIFIC

Contract: 00848579
Release :
Executed: 02/12/2010
Printed : 01/10/2012
Page : 2

JOINT LENGTH 40FT NOMINAL.

PIPE COATING, FUSION BONDED EPOXY, MANUFACTURER 3-M, PRODUCT 6233, 14MIL COATING THICKNESS, 4" CUTBACK AT JOINTS

PIPES SHALL BE SHIPPED WITH ROPE RINGS FOR SEPARATION AND DUNNAGE TO PREVENT DAMAGE TO PIPE COATING. PLASTIC END COVERS WILL BE REQUIRED.

Item 2

Provide four (4) each pipe elbows per specification listed below: CARBON STEEL BUTTWELD FITTING, 3-R 45DEG ELL, 10" DIAMETER, .307" WALL THK, GRADE Y-42. COATING PER PIPE SPEC.

Item 3

Provide two (2) each pipe end caps per the specification listed below: CARBON STEEL BUTTWELD FITTING, WELD END CAP, 10" DIAMETER, .307" WALL THK, GRADE Y-42. NO COATING

- 1. Items 1, 2 and 3 will require heat sheets from the steel manufacturer.
2. Georgia-Pacific Corporation reserves the right to perform QA/QC inspections at the pipe manufacturing and coating facilities prior to acceptance.
3. Pipe mill must be an approved API facility.
4. Fitting manufacturer must be in compliance with ASTM A234, ANSI B16.9 & ANSI B16.28.
5. All materials shall be obtained from a domestic manufacturer.
6. These materials will be used in a high pressure pipeline that is regulated by the Pipeline and Hazardous Materials Safety Administration. These pipeline components will not transport corrosive gas.

Delivery to Georgia-Pacific Corporation, Camas Mill shall be coordinated through George Kelsey, (360)834-8347. Delivery notice shall be a minimum of two business days in advance.

Contract Amendments

Amendment: 001 Execution Date : 04/03/2010
Title : ACTUAL COST
Amended Start :
Amendment Value: \$17,809.56 Amended End Date:
Pricing Method :

Amendment Scope

Cost estimate based on quote to Roy Rogers from State Pipe in Vancouver but quote did not include coating. Ferguson used because they are the preferred supplier for pipe.

Contract



GEORGIA-PACIFIC

Contract: 00848579
Release :
Executed: 02/12/2010
Printed : 01/10/2012
Page : 3

Amendment: 002
Title : ADDITIONAL CHARGES
Amended Start :
Amendment Value: \$458.76
Pricing Method :

Execution Date : 04/08/2010
Amended End Date:

Amendment Scope

Additional costs:
LPDE pipe end caps - \$160
Freight - \$119.78
Adjustment for actual painting cost - \$178.98

Terms and Conditions - Text

7141 T&C 000 FORM 7141 TERMS AND CONDITIONS

Form 7141 T&C

The terms and conditions of Georgia-Pacific's Form 7141 shall
supercede those herein
and apply as the terms and conditions for this purchase order.

* * * End of Contract * * *

From: Rishi Mittal [<mailto:rishi@yarrs.com>]
Sent: Wednesday, March 17, 2010 2:34 PM
To: Overby, Bryan L [Ferguson] - 3002 PORTLAND
Subject: P.O. #3002-5609

Hey Bryan, attached are the tally & MTR's for your order. Let me know if you need anything else and thank you for the order!

-Regards
Rishi Mittal
YARRS CORP
769 La Canada St
San Diego CA 92037
ph 800.293.9277
local 858.551.5426
fx 858.551.5436/858.220.7444



FAXED
3-15-10

Attn: Risk
TALLY SHEET

Transportation Specialists

FONTANA
5813 ALMOND AVENUE
FONTANA, CA 92335
(909) 822-8806

PHOENIX
2832 S. 15TH AVENUE
PHOENIX, AZ 85007-4401
(602) 258-8828

DATE 3-15-10

JOB ORDER NO.

PAGE ___ OF ___

LOAD NO.

SOLD BY

SOLD TO

DESCRIPTION

BEGINNING INVENTORY

PIECE COUNT

TOTAL LOAD

FOOTAGE

BILL OF LADING NO.

1	40.7	HT N-200388		
2	40.7	HT N-200388		
3	40.7	HT N-200388		
4	40.2	HT N-200388		
5	40.7	HT N-200388		
6	40.7	HT N-200388		
7	40.7	HT N-200388		
8	40.2	HT N-200388		
9	40.3	HT N-200388 -A		
10	39.6	HT N-200388 -A		
11				
12				
13	10 ⁰⁰	10 ^{3/4}	307	34.27
14				APISX 42A 52
15				DRL
16				
17				
18				
19				
20				
TOTAL	405.0			

CARRY OVER

RECEIVED IN GOOD ORDER

THIS SHEET

TRUCK NO.

TOTAL

BY:

TALLY APPROVED BY:

LOAD CHECKED BY:

[Signature]

[Signature]
[Signature]



CALIFORNIA INDUSTRIES
1480 Regentway Ave.
Pacifica, California 94026

TUBULAR PRODUCTS CERTIFIED TEST REPORT

VALLEY NUMBER: _____
 SHIPPING DATE: _____
 ORDER NUMBER: _____
 MO. NUMBER: 06-3702-01
 CUSTOMER ORDER: 84438-GP
 ORDER NUMBER: _____
 ORDER DATE: _____

NDT: UT/N-10 NOTCH; ANALOG; 1/16 IN. HOLE/N-10 NOTCH. WELD HT TREAT MIN 1650F
 PRODUCT: XGW HIGH TEST LINE PIPE - PRIME
 END USE: JOBBER STOCK

API 5L 3-04 GR. X52/GR. X42-PSL2/ASTM-A-53-04A-GR. B-CVNT 15/20 FTLB, FULL SZ SPEC, +32 DRGP, EA
 HT LOT

10-3/4OD X .3070 X 34.27#
 CHEMICAL ANALYSIS

HEAT NO	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti	Al	V	Co	N	O	As	Sb	Bi	Se	Te	Zn	Pb	Sn	Ag	Au	Hg	Cd	Fe	Mg	Ca	Mg	Si	Al	Mn	P	S	Cu	Ni	Cr	Mo	Nb	Ti
---------	---	----	---	---	----	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----	----	---	----	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	---	---	----	----	----	----	----	----

Attn: Brian

(360) 425-8457

3 pages

PACKING SLIP
PRINT SEQUENCE

.00



Right Product. Right Price.
IndustrialValco.com

FRMT DT: 03/12/10
TIME: 08:29

***** TRANSFER ORDER *****

Page# 1

Printed By TB

Chicago New Jersey
FAMIL

Bakersfield Los Angeles
San Francisco Denver Houston

INDUSTRIAL VALCO
3135 E ANA STREET
RANCHO DOMINGUEZ
CA 90221

VA 23670

S FERGUSON #3001
D P.O. BOX 9285
T HAMPTON

CUST NO.	Purchase Order No.	ORDER DATE	QT	OF	Basic	Tax	Labr	INVOICE DATE	INVOICE NO.
FAMP	F30025611	03/12/10	18						H284282

SHIP VIA	FREIGHT	PLACED BY	TERMS
CON-WAY FRT.	COLLECT		1 1/2 15 DAYS NET 30 DAYS

Qty	Shipped	DESCRIPTION	LINE	CODE	WEIGHT
4	0	TRANSFER FOR CUSTOMER REF RS21964	2	YINB10:B	0
2	0	10 STD (3-W) 45 WPH-Y52	3	YICR101B	0
2	0	10 STD CAP WPH-Y52			0

AOBXMJ1 - HOBBM R2



LOS L7901 6

Freight, Labor And MTR Charges Are Terms Net

FREIGHT MISC. CHARGES

CERTIFIED MATERIAL TEST REPORT
Hackney Ladish Inc.

P.O. Box 803466 - 5495 Beltline Rd. #290 - Dallas, TX 75254
 Phone: (800) 527-4500 Fax: (214) 269-5601

Heat Code Description / Specifications

A08XMT1	10 STD 3R 45 Y52	MSS SP-75- 04	WPHY 52
	TM47 57 37098	Q & T 1650 1150	NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
A08XMT1	M	.170	1.030	.016	.005	.260	.140	.060	.060	.030	.0200

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
A08XMT1	.0071	< .010	<.0005	<.0100	<.010					.374

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
A08XMT1	81.5	L		60.5	33.0	77.0	170

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
A08XMT1	7.5	T	20	214,206,192	69,64,67	100,100,100

Test: M=Mill Product

Type: L=Longitudinal T=Transverse

We certify that the material herein described has been manufactured in accordance with the above standards and specifications and satisfies all the requirements of the editions specified. We certify all materials provided comply with ISO 10204 paragraph. 3.1 which replaces type 3.1.B of the 1991 edition of EN 10204. Our ISO9001:2000 certificate number is CERT11763-2007-AQ-HOU-RVA/ANAB. We certify these fittings capable of passing hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.

CERTIFIED MATERIAL TEST REPORT
Hackney Ladish Inc.

P.O. Box 803466 - 5495 Beltline Rd. #290 - Dallas, TX 75254
 Phone: (800) 527-4500 Fax: (214) 269-5601

Heat Code Description / Specifications

A08XMR2 10 STD 3R 45 Y52 MSS SP-75- 04 WPHY 52
 TM47 57 37098 Q & T 1650 1150 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
A08XMR2	M	.170	1.030	.016	.005	.260	.140	.060	.060	.030	.0200

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Ch	Sn	W	Pb	Co	CE
A08XMR2	.0071	< .010	<.0005	<.0100	<.010					.374

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
A08XMR2	81.5	L		60.5	33.0	77.0	170

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
A08XMR2	7.5	T	20	214,206,192	69,64,67	100,100,100

Test: M=Mill Product
 Type: L=Longitudinal T=Transverse

We certify that the material herein described has been manufactured in accordance with the above standards and specifications and satisfies all the requirements of the editions specified. We certify all materials provided comply with ISO 10204 paragraph. 3.1 which replaces type 3.1.B of the 1991 edition of EN 10204. Our ISO9001:2000 certificate number is CERT11763-2007-AQ-HOU-RVA/ANAB. We certify these fittings capable of passing hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.

Mar. 16. 2010 1:50PM

IV RANCHO

No. 5864 P. 4

CERTIFIED MATERIAL TEST REPORT
Hackney Ladish Inc.

P.O. Box 803466 - 5495 Beltline Rd. #290 - Dallas, TX 75254
Phone: (800) 527-4500 Fax: (214) 269-5601

<u>eat Code</u>	<u>Description / Specifications</u>	<u>MSS SP-75- 08</u>	<u>WPHY 52</u>
06LTC6	10 STD CAP		
	A572-50 117 W6A806	Q & T 1650 1150	NACE MR0175

Chemical Analysis

<u>eat Code</u>	<u>Test</u>	<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>Al</u>
06LTC6	M	.040	1.110	.012	.008	.180	.330	.110	.070	.040	.0200

Chemical Analysis (cont.)

<u>eat Code</u>	<u>N</u>	<u>V</u>	<u>B</u>	<u>Ti</u>	<u>Cb</u>	<u>Sn</u>	<u>W</u>	<u>Pb</u>	<u>Co</u>	<u>CE</u>
06LTC6		.050	<.0005	<.0100	<.010					.286

Physical Properties

<u>eat Code</u>	<u>Tensile KSI</u>	<u>Type</u>	<u>Thickness</u>	<u>Yield KSI</u>	<u>% Elong. (4D)</u>	<u>% RA</u>	<u>Hardness HB</u>
06LTC6	69.5	T		57.0	37.0		146

Charpy Results

<u>eat Code</u>	<u>Size x 10mm</u>	<u>Type</u>	<u>Temp. (F)</u>	<u>Foot Pounds</u>	<u>Later. Expansion</u>	<u>% Shear</u>
06LTC6	7.5	T	20	216,220,218	*,*,*	*,*,*

est: M=Mill Product
ype: T=Transverse

We certify that the material herein described has been manufactured in accordance with the above standards and specifications and satisfies all the requirements of the editions specified. We certify all materials provided comply with ISO 10204 paragraph. 3.1 which replaces type 3.1.B of the 1991 edition of EN 10204. Our ISO9001:2000 certificate number is ERT11763-2007-AQ-HOU-RVA/ANAB. We certify these fittings capable of passing hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.



GENERAL CONTRACTORS
PIPELINE CONSTRUCTION

22845 NW Bennett St., Ste 150
Hillsboro, OR 97124
Phone (503) 647-0224 Fax (503) 647-0226

January 16, 2012

Roy Rogers
Principal Engineer
Cathodic Protection Engineering, Inc

To whom it may concern

Alaska Continental Pipeline / Rockford Corporation ensures that all employees are Operator Qualified as per the OQ Rule was that was designed by the US Department of Transportation. Alaska Continental Pipeline / Rockford Corporation uses Veriforce as our OQ Program provider. Internally we have designated trained evaluators (Mark Skodje, Josh Stinson) through the Veriforce system. Evaluators will train each employee on a one on one basis as per federal requirement, conducting a written test with employee or using a web based training with employee for each required task. Each employee will then conduct with the evaluator performance verification training. This is a hands- on exhibit by the employee to the evaluator proving that the employee understands the task and knows how to perform it. The evaluator will then input the data into the Veriforce system by fax or email. Veriforce will the audit and store information for clients to review.

The OQ Rule requires each pipeline operator to develop a qualification program to address each of the following requirements:

- Identify covered tasks
- Ensure that individuals performing covered tasks are qualified
- Allow for non-qualified individuals to perform covered tasks under the direction/observation of a qualified individual
- Evaluate any individual whose performance of a covered task contributed to an incident or accident
- Evaluate an individual if there is reason to believe he/she is no longer qualified

- Communicate changes that affect covered tasks to individuals performing those tasks
- Identify re-evaluation intervals
- Maintain records to demonstrate compliance

The qualification program must assure qualification of employees who perform covered tasks as well as the qualification of any other personnel performing covered tasks - including those working on behalf of a contractor or subcontractor.

Training program:

Evaluators – Evaluators are required to successfully complete the Veriforce Evaluator Training program annually.

Qualified Personnel – There are certain circumstances where training must be successfully completed by an individual before an evaluation may take place. In our process, evaluators are responsible for determining whether such circumstances exist and, if the situation demands it, verifying that appropriate training requirements have been met prior to conducting the evaluation.

We have developed effective training resources for many different covered tasks. Typically, these resources have been designed to support structured on-the-job training (OJT).

Personnel Evaluation

Veriforce oversees the process of personnel evaluation using operator-defined covered tasks and the underlying evaluation criteria. Each candidate must be evaluated individually on their knowledge, skills and abilities relative to the evaluation criteria defined for each covered task.

Veriforce procedures require that candidates are evaluated by authorized evaluators who will determine whether a candidate is qualified. To ensure an effective evaluation, all Veriforce evaluators are technically competent and subject matter experts (SME) in the specific task area. We also help our clients locate authorized evaluators to evaluate and qualify their personnel.

Quality Assurance

Veriforce rigorously reviews all records submitted by evaluators, contractors, operators, and others to assure accuracy and consistency. Incomplete or inaccurate records are refused and returned to the originator.

Veriforce personnel enter data within *VeriSource* from these records. For data to be entered within *VeriSource*, Veriforce will require a full audit trail and any necessary records to support that data. Assuring the quality of those records and the data entered into *VeriSource* gives our client's confidence in the integrity and availability of our records and reporting processes.

For each "Record of Evaluation" submitted, Veriforce ensures that the evaluator of record has been authorized for the applicable covered task.

Monitoring/Auditing

Evaluators – Veriforce routinely monitors evaluator performance to ensure that evaluations are conducted in accordance with your OQ program and our procedures. Evaluators are randomly selected for audit, but may also be audited on a “for cause” basis when there is evidence to suggest procedural violations.

Qualified Personnel – Random and “for cause” audits are conducted of previously qualified individuals to ensure they have not contributed to an incident/accident while performing a covered task(s) and to ensure there is no other reason to suspect the individual may no longer be qualified. All personnel audits are conducted relative to all applicable operator clients to promote economies of scale.

Records – As the last step in concluding an evaluator or qualified personnel audit, all internal records are audited for completeness and accuracy, and to assure that electronic records within *VeriSource* are consistent with submitted records.

OQ Training

Veriforce maintains a web-based Evaluator Training Program. To maintain status as an authorized evaluator, an individual must successfully complete the evaluator training program each year.

Veriforce has developed training materials to support the "Common Covered Task List", which has been adopted by dozens of operators throughout the country. A training guide has been developed for each of these covered tasks. They are designed to support "structured" on-the-job training and are made available to all contractors and operators with access to *VeriSource*. They are provided to help meet training requirements associated with the OQ Rule.

Regulatory Training

In many cases, training is provided to meet state and/or Federal regulatory requirements. Veriforce has helped operator clients design and deploy safety training programs designed for contractor personnel. Veriforce has also designed and deployed environmental-related training programs for contractor personnel. Additionally, they have developed training to help field personnel prepare for regulatory inspections.

Thank you,

Clifford Gleave
Corporate Safety Manager
Rockford Corporation/Alaska Continental Pipeline
503-647-0224

O&M Manual Revision in Response to Finding 5

3.3.6.4 All metallic pipeline surfaces exposed to the atmosphere must be inspected once every three years to identify areas of active corrosion (ref D.O.T. 192.481). Atmospheric exposure includes above ground pipe, ground penetration at the soil / air interface and pipe supports. Disbonded coating is an indication that the material is in the early stages of the corrosion process.

Area of active corrosion is defined as an area where loss of pipe wall has occurred. Areas of active corrosion may have the following appearance:

- Visible accumulation of rust colored scale that appears as rust clumps.
- Visible blisters under the coating that appears as outward bumps.
- Pitting corrosion which appears as inward dimples.

If active corrosion is identified, the area is to be cleaned to bare metal and depth of the wall loss is to be measured and documented. Generalized measurements are not allowed. The measurements must be taken as distinct individual points and referenced or mapped to the specific location on the pipe where the measurement was taken. A remaining strength calculation ASME B31G or RSTRENG must be performed immediately to determine the safe operating pressure of the pipeline. The exposed area shall be cleaned and primed as soon as practical. The final coating application shall be applied within 6 months or as soon as dry weather conditions and 50 deg F temperatures are experienced as these are the minimum conditions for moisture cured urethane application.



Wolfgang Associates, Inc.

7220 SW Sylvan Court
Portland OR 97225-3742
Tel. (503) 297-4113 • FAX (503) 297-4748
Email: stopdrugs@aol.com • Cell phone: (503) 970-5455

Attachment 4

January 9, 2012

Ronald Kramer
Georgia Pacific
By email to Ronald.Kramer@gapac.com

RE: Cathodic Protection Engineering
Compliance with DOT/PHMSA Drug/Alcohol Random Testing Regulations

Dear Mr. Kramer,

This letter will certify that Wolfgang Associates, Inc. manages the Pipeline & Hazardous Materials Safety Administration (PHMSA), US Dept. of Transportation (DOT) random testing program for **Cathodic Protection Engineering**, 3853 FAIRHAVEN DR, WEST LINN, OR 97068-3760.

With regard to random selections and client guidance, Wolfgang Associates is familiar with and follows the requirements of 49 CFR Part 40, "Procedures for Transportation Workplace Drug and Alcohol Testing Programs" and 49 CFR Part 199, "Drug and Alcohol Testing."

Cathodic Protection Engineering employees who fall under PHMSA requirements are currently subject to quarterly random selections through Wolfgang Associates' PHMSA Consortium, using a commercially available computer program specifically designed for use by DOT program managers. The annualized random selection rate for the PHMSA Consortium pool is 25% for drug testing for calendar year 2012.

As we discussed by phone, and at the request of Roy Rogers as Designated Employer Representative for Cathodic Protection Engineering, we will report to you if any DOT-covered employee of Cathodic Protection Engineering is no longer eligible to perform safety-sensitive functions as defined by PHMSA/DOT. In that event, we will both call you at telephone (360) 834-8101 and email you at Ronald.Kramer@gapac.com. Please let us know if this contact information changes.

Please do not hesitate to call me at (503) 297-4113 with any questions or if you need additional documentation.

Very truly yours,

Jana W. Wolfgang, C-SAPA
President

Welding Procedure Specification (WPS)

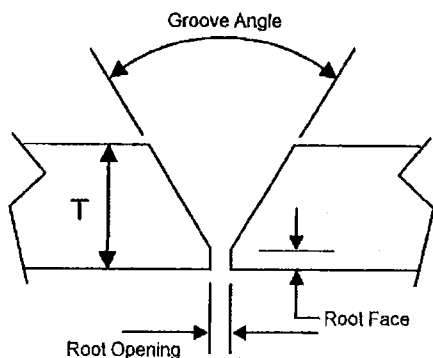
WPS No.: JR-SM-P1G Date: 2/14/1996 Rev. No.: 2 Date: 1/13/2012 Page 1 of 2

Supporting PQR(s): JR-SM-P1G-R

Welding Process(es) / Type(s): (1) SMAW / Manual (2) SMAW / Manual

Joint Design (QW-402)

Weld Type: Groove and fillet welds



SINGLE VEE GROOVE

Backing: Without backing only Backing Material: _____

Fillet Welds: All fillet sizes on all base metal thicknesses and all diameters.

Retainers: None

Root Opening: 1/16" to 3/32", Root Face: 1/16" to 3/32"

Groove Angle: 60 deg min

WELD JOINT DESCRIPTIONS SHOWN ARE NOT INCLUSIVE OF ALL THOSE FOUND ON A JOB. WELD JOINT DESIGN REFERENCE IN AN ENGINEERING SPECIFICATION OR A DESIGN DRAWING SHALL TAKE PRECEDENCE OVER WELD JOINTS SHOWN IN THIS WPS.

Base Metals (QW-403)

API 5L Grade X52 P-No. 1 Thickness Range: 0.0625 in. to 0.6140 in.
 to P-No. 1

Preheat (QW-406)

Minimum Preheat Temperature: 50 °F

Preheat Maintenance: None

Postweld Heat Treatment (QW-407)

PWHT Type: No PWHT will be performed

PWHT Temperature: None °F

PWHT Holding Time: None

Initial and Interpass Cleaning: With wire brush clean 1 inch (25 mm) on both sides of weld joint

Method of Back Gouging: When required, grind until all defects are removed.

Notes:

- WPS amended for name change only - Rev. 2, 1/13/2012.
- WPS JR-SM-P1G amended per Section IX, QW-201.1 to reflect different ownership than existed during the original procedure qualification.
- This procedure, JR-SM-P1G, was originally written under the company name of James River Corporation. This procedure has been amended to reflect the current company name of Georgia Pacific at the top of the WPS.
- The original WPS and PQR are both on file.

We certify that the statements in this record are correct and that the test welds were prepared, welded, and tested in accordance with the requirements of Section IX of the ASME Code.

Prepared By: PATRICK J. TERRY 1/13/2012 Project Engineer
 Date

Accepted By: Patrick J. Terry 1/13/2012 QC Manager
 Date

Georgia Pacific

Welding Procedure Specification (WPS)

WPS No.: JR-SM-PIG

Rev. No.: 2

Page 2 of 2

First Process: SMAW		Type: Manual	
Filler Metal (QW-404)			
Weld Deposit Limits: <u>0.1880 in. maximum</u>		No Pass Greater Than $\frac{1}{2}$ " Allowed	
AWS Classification: <u>E6010</u>		SFA Specification: <u>5.1</u>	F-No.: <u>3</u>
A-No. or Chemical Composition: <u>1</u>			
Position (QW-405)		Technique (QW-410)	
Position of Joint: <u>Flat, Vertical, & Overhead</u>		Stringer or Weave Bead: <u>Stringer bead</u>	
Weld Progression: <u>Vertical up</u>		Peening: <u>None</u>	
Notes: <u>Position: 5G</u>		Multiple / Single Pass (per side): <u>Multipass</u>	
Electrical Characteristics (QW-409)			
Current Type and Polarity: <u>DCEP (reverse)</u>			
Max. Heat Input (J/in): <u>None</u>			

First Process Welding Parameters

Layer(s) and/or Pass(es)	Filler Metal		Current		Voltage Range	Travel Speed Range (in/min)
	AWS Classification	Size (in.)	Type and Polarity	Amperage Range		
Any	E6010	3/32	DCEP (reverse)	60-90	n/r	Var.
Any	E6010	1/8	DCEP (reverse)	80-120	n/r	Var.
Any	E6010	5/32	DCEP (reverse)	110-165	n/r	Var.
Any	E6010	3/16	DCEP (reverse)	150-200	n/r	Var.
Any	E6010	1/4	DCEP (reverse)	225-300	n/r	Var.

Second Process: SMAW		Type: Manual	
Filler Metal (QW-404)			
Weld Deposit Limits: <u>0.4260 in. maximum</u>		No Pass Greater Than $\frac{1}{2}$ " Allowed	
AWS Classification: <u>E7018</u>		SFA Specification: <u>5.1</u>	F-No.: <u>4</u>
A-No. or Chemical Composition: <u>1</u>			
Position (QW-405)		Technique (QW-410)	
Position of Joint: <u>Flat, Vertical, & Overhead</u>		Stringer or Weave Bead: <u>Stringer bead</u>	
Weld Progression: <u>Vertical up</u>		Peening: <u>None</u>	
Notes: <u>Position: 5G</u>		Multiple / Single Pass (per side): <u>Multipass</u>	
Electrical Characteristics (QW-409)			
Current Type and Polarity: <u>DCEP (reverse)</u>			
Max. Heat Input (J/in): <u>None</u>			

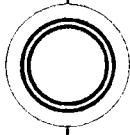
Second Process Welding Parameters

Layer(s) and/or Pass(es)	Filler Metal		Current		Voltage Range	Travel Speed Range (in/min)
	AWS Classification	Size (in.)	Type and Polarity	Amperage Range		
Any	E7018	3/32	DCEP (reverse)	70-110	n/r	Var.
Any	E7018	1/8	DCEP (reverse)	90-160	n/r	Var.
Any	E7018	5/32	DCEP (reverse)	130-220	n/r	Var.
Any	E7018	3/16	DCEP (reverse)	200-300	n/r	Var.
Any	E7018	7/32	DCEP (reverse)	250-350	n/r	Var.

**DOT Pipeline
Anti-Drug and Alcohol Training for Supervisors**

Georgia-Pacific supervisors who have assignments to the natural gas pipeline received training 60 minutes of training for recognition of alcohol abuse and 60 minutes of training for recognition of drug abuse per CRF 199. See attached outline for further description of course content.

Reasonable Suspicion Training



Sherri Silva, RN


Occupational Health Nurse

Camas Mill

1  **Reasonable Suspicion Training**

2  **Objectives**

- Facts about drugs and alcohol
- Drugs of abuse
- Alcohol basics
- Signs and symptoms of use /abuse
- Making decisions about Reasonable Suspicion
- General guidelines and procedures

3  **Under this policy...**

- All identified Employees are subject to testing
- An Employee with a positive test will be removed from the worksite
- An Employee with a positive test will be provided with access to a SAP
- Positive tests will result in disciplinary action, up to and including termination of employment
-

4  **"A supervisor should"**

- Know and understand the policy and regulation
- Regularly document performance issues
- Be able to answer questions about it
- Be responsible for enforcing the policy
- Convey an attitude of confidentiality
- Be supportive of the policy
- Identify possible use/abuse and take ACTION

5  **Testing situations**

- Pre-employment
- Post accident
- Reasonable suspicion
- Work opportunity
- Random (20% for drugs and 10% for alcohol)

6  **Understanding the testing Process**

- Collection process
- Initial specimen testing
- Confirmation process
- MRO, Medical Review Officer
- Split specimen

7  **Refusal to submit to testing**

- A refusal to be tested has consequences
- A refusal to test is considered a positive test
- Grounds for disciplinary action, up to and including termination of employment
- Not cooperating with the process could be considered refusal to be tested

8  **Employee's rights and protection**

- An Employee who does not consent will not be tested
- No one can be forced to test
- An Employee can request a copy of the results
- An Employee has a right to speak with the Medical Review Officer about prescribed medications

9 

It is estimated that substance abuse costs employers billions of dollars each year due to

- ① • Increased injuries
 - Fatalities
 - Absenteeism
 - Theft
 -
 -
 -
- ② • Excessive use of health care benefits
 - Decreased productivity
 -

10  **General Statistics**

- 74% of adults who use drugs are employed.
- 32% of employees have witnessed the sale of drugs in the workplace.
- Absenteeism is 66% higher with drug users.
- Nearing 1 in 4 employed Americans (age 18-34) have used drugs in the last year.
- 47% of work related injuries are drug related
- Employee turn-over is significantly higher in drug users
- In one study 20% of young workers admitted they
 - use marijuana on the job.
- 90% of all thefts and crime are drug and alcohol related.

11  **Warning signs of substance abuse**

- ① • Excessive absenteeism/tardiness
- Numerous accidents without explanation.
- Pattern of accidents during a particular shift and time.
- Unsatisfactory work performance.
- Decreased productivity after lunch.
- Non-work related visits from other employees/strangers
-
- ② • Trips to car/parking lot.
- Drowsiness, slurred speech.

- Lack of concentration, agitation.
- Drastic weight change (20 lbs + or -)
- Blood shot eyes, runny nose
- Dilated pupils, Needle marks
- Frequent need to borrow money.
- Avoidance of supervisor.
- Frequent trips to the restroom/drinking fountain

12  **Absenteeism**

- Frequent or unauthorized absence.
- Excessive sick days.
- Frequent absence of short durations.
- Frequent Monday/Friday
- Frequent use of vacation days to cover.
- Frequently away from work station.
- High rate of vague ailments, colds, flu, headache.

13 

High Accident Rate

- Accidents on the job....
- Accidents off the job. home, car.....
- Failure to follow safety precautions....

14  **Substance use is a progression...**

- Tolerance-
-
- Psychological dependence
-
- Physical dependence
-
- Addiction
-
- Withdrawal



15  **Substances of Abuse**

- Socially acceptable substances
-
- Illicit drugs
-
- Prescription medications
-
- "Over the counter" medications



16  **Facts...**

- Alcohol and marijuana are commonly used in the workplace
- Prescription pain medications reaching alarming proportions
- Marijuana users have 85% more injuries
- US businesses lose more than 60 billion dollars annually to substance abuse
- Use of substances directly increases health care costs and Worker's compensation claims

17  **Drugs of Abuse**

- 1  •
- Alcohol
-
- Marijuana
-
- Cocaine
- 2  •
- Opiates
-
- Amphetamines
-
- Phencyclidine (PCP)
-
-

18  **Threshold levels Initial and Confirmation**

- 1  • Alcohol
- Marijuana
- Cocaine
- Opiates
- Amphetamines
- PCP
-
-
- *nanograms per deciliter
- 2  • 0.08 and 0.08
- 50 and 15
- 300 and 150
- 2,000 and 2,000
- 1,000 and 500
- 25 and 25

19  **Definition of "alcohol use"**

-
-
- "The consumption of any beverage, mixture or preparation containing alcohol"

20  **Alcohol**

- It takes 1 hour for an average person (150 lbs.) to process one serving of alcohol.
-
- A serving of Alcohol = 1 beer; 6oz wine; 1oz hard liquor.
- Impairment can occur with as little as two drinks.
- An intoxicated person is 6 times more likely to have an accident.

21  **Other Alcohol Information**

More then:

- 60% of all Burns
- 40% of all falls
- 69% of all boating accidents
- 76% of all private aircraft accidents

..... ARE ALCOHOL RELATED !

22  **Effects of Alcohol**

- 0.02-0.03-slight euphoria, loss of shyness
- 0.04-0.06-relaxed, lowered inhibitions, minor impairment in judgement or reasoning
- 0.07-0.09-affected balance, speech, hearing and reaction time
- 0.10-.125-significant impairment
- 0.13-0.20-gross impairment, lack of control
- >0.30-loss of consciousness, alcohol poisoning, coma, death

23  **Myths about "sobering up"**

-
- Caffeine
-
- Take a cold shower
-
- Get up get some Physical activity
-
-

24  **Health Effects**

- 1 Chronic consumption of alcohol may result in the following health hazards
- 2
 - Dependency
 - Liver disease
 - Increased cancer risk
 - Kidney disease
 - Pancreatitis
 - Fetal demise
 - Ulcers
 - Birth defects
 - < immune system
 -

25  **Signs of alcohol use**

- ☐ • Inappropriate behavior.
 - Dulled mental process.
 - Lack of coordination.
 - Odor of alcohol.
 - Sleepiness or stuporous condition.
 - Slower reaction rate, slurred speech.

- ☐ • Odor of alcohol
 - Flushed skin
 - Eyes glazed or bloodshot
 - Impaired motor skills
 - Moody
 - Irritated

26  **Social Issues**


- 2/3 of all homicides are committed by people who drink prior to the crime
- 2-3 % of the population are legally drunk at any one time; this rate doubles on weekends and at night; this rate is 10 times greater on holiday weekends and big events (i.e. Super Bowl Sunday, New Years Eve.....)
- The rate of separation and divorce in families with alcohol dependency problems is 7 times the average
- 40% of all family court cases are alcohol related.
- Alcoholics are 15 times more likely to commit suicide than the general public.

27  **Marijuana**

- Distinct aroma
- Comes in plastic bags
- Green/brown; resembles dried parsley
- Rolled like an unfiltered cigarette
- Can be smoked through a joint, pipe or bong
- May be used for Medicinal purposes (with RX)
- Cost is 100 to 300 dollars per ounce

28  **Health Effects**

- Irritating to the lungs, chronic smoking causes emphysema-like conditions.
- One joint equals 1 ½ packs of cigarettes in cancer causing substances.
- Can be contaminated with fungus Aspergillus which can cause respiratory infections and lung disease.
- Lowers body's immune system.
- Chronic smoking causes changes in brain cells and brain waves.
- Birth defects.

29  **Signs and symptoms of MJ**

- Red Eyes
- Slowed speech
- Distinct odor on cloths
- Lackadaisical, "I don't care" attitude
- Chronic fatigue
- Lack of motivation

- Irritating cough
- Chronic sore throat
- The "Munchies"

30  **Cocaine Description**

- 1 • Comes from a coca bush
 - Cocaine Hydrochloride- "snorting coke"
 - Effect is felt within minutes and lasts for 40-50 minutes per "Line"
- 2 • Cocaine base- "Rock crack or free base" is a small crystalline rock about the size of a small pebble.
 - Common paraphernalia includes: Crack pipe and a lighter, alcohol lamp or a small butane torch for heating.

31  **Signs and Symptoms of Cocaine**

- 1 • Financial problems
 - Frequent extended absences from work.
 - Increased activity and fatigue
 - Isolation and withdrawal from other
 - Anxiety, defensiveness, agitation, wide mood swings.
- 2 • Lapses in attention
 - Paranoia/hallucinations
 - Unpredictable behavior
 - Forgetfulness
 - Runny nose
 - Difficulty concentrating
 - Feeling of bugs crawling on the skin (Formication)
 - Hyper excitability/talkative

32  **Opiates**

- Natural and unnatural derivatives: Opium, Morphine, Codeine and Heroin
- Synthetic: Demerol, Oxymorphone, Oxycodone, Hydrocodone
- May be taken in pill form, Smoked, Injected, depending upon the type used.

33  **Health Effects**

- High risk for hepatitis and HIV/AIDS
- Narcotics increase pain tolerance making a person susceptible to increased injury without knowing it.
- Double the effect when a depressant is used (i.e. alcohol)

34  **Signs and Symptoms of Opiates**

- Mood changes
- Impaired mental function
- Constricted pupils
- Depression
- Impaired coordination
- Physical fatigue and drowsiness
- Nausea, Vomiting

35  **Amphetamines**

- Stimulants; speeds up the mind and body
- Increased dose = increased reaction
- Used for weight reduction and mood elevation
- Most substances are made in other countries and imported illegally.
- Sold in capsules or white, flat, double-scored pills "mini bennies"; usually taken by mouth.

36  **Methamphetamines**
Meth, Crank, Crystal

- Effects are the same as amphetamines
- Comes in white power or lumps
- Supplied in tubes (Meth)
- Crank, Crystal, stored in foil packets; generally refrigerated.
- May be taken orally, injected or snorted.
-

37  **Health Effects**

- High doses may cause toxic psychosis and schizophrenia
- Toxic levels may cause heart attacks and strokes due to increased blood pressure and irregular heartbeats.
- Chronic use may cause heart and brain damage due to severe constriction of blood vessels.
- Can produce risk-taking behaviors.
- Withdrawals may result in severe depression.
- Strong physiologic dependency and increased tolerance.

38  **Signs and Symptoms of Amps/Meth**

- Hyper excitability, Restlessness
- Dilated pupils
- Increased heart rate and BP
- Heart palpitations, rapid respirations.
- Panic
- Inability to concentrate.
- Picking at skin, lots of Red infected wound.

39  **PCP**

- Was originally developed as a large animal tranquilizer
- Acts as a depressant, hallucinogen or stimulant
- Abused primarily for its variety in mood altering effects.

- Moods can change rapidly from sedation to excitation
- Large doses can produce coma like conditions.
- Sudden noises or physical contact may cause "Freak out" causing a person to exhibit abnormal strength, Violent behavior and inability to speak or comprehend ("Superman effect")

40  **Signs and Symptoms of PCP**

- ① • Blank stare
- Freak outs
- Impaired coordination
- Severe confusion and agitation
- Extreme mood shifts
- Suicidal tendencies

- ② • Muscle rigidity
- Nystagmus (jerking eye movements)
- Dilated pupils
- Profuse sweating
- Rapid heart rate
- Dizziness

41  **Health Effects of PCP**

- Potential for accidents and overdose emergencies
- Potentiated by depressants (i.e. Alcohol)
- Often misdiagnosed and mistreated with deadly results.
- Can cause irreversible memory loss, personality changes, Thought disorders.

42  **Documentation**

- Date & Time of incident's
- Observed behavior
- Complaints from co-workers or others
- Accident/Incident (Describe in detail)
- If reasonable cause exists: implement the process.

43  **The Process**

- Identification
- Confirmation (2nd person)
- Contact HR
- Documentation
- Confront the employee in a confidential way.
- Intervention
- Drug & Alcohol testing
- Have person taken home till results are back.
-

44  **Results of the Drug test**

① Negative Results:

- Compensation

- Return to work
- Reassess (just because – doesn't mean they are not taking drugs.

^{2]} Positive Results:

- Suspension
- SAP referral
- Discipline up to and including termination of employment.

45  **Things to do and not do**

^{1]} ALWAYS

- Keep good documentation
- Know your employees and job performance
- Take action when appropriate
- Know you policy
- Know your resources

•

^{2]} NEVER

- Diagnose
- Violate confidentiality
- Accuse or pressure for a confession
- Treat the individual differently
- Leave employee unsupervised
- Act alone

•

46  **Employee reactions**

- Defensive
- Belligerent
- Silent
- Cries
- Talks non-stop
- Uncooperative

47  **Your reaction**

- Stay Calm
- Don't yell back
- Listen
- Stick to the facts
- Document everything that happened.
- Test without delay.