VIA ELECTRONIC SUBMISSION

November 30, 2023

Canada Energy Regulator Suite 210, 517 Tenth Avenue S.W. Calgary, Alberta T2R 0A8

To: Ms. Ramona Sladic, Secretary of the Commission

Dear Ms. Sladic:

Re: Trans Mountain Pipeline ULC (Trans Mountain)
Trans Mountain Expansion Project (Project, TMEP)
Certificate OC-065
Mountain 3 HDD – Request for Variance
Response to Undertakings
CER File: OF-Fac-Oil-T260-2013-03 61

Please find attached Trans Mountain's response to Undertakings U1 to U4 with respect to the above noted proceeding.

Should you have any questions or wish to discuss this matter further, please contact the undersigned at regulatory@transmountain.com or (403) 514-6400.

Yours truly,

Original signed by

Dorothy Golosinski Vice President, Regulatory Trans Mountain Canada Inc.

Enclosure: Trans Mountain Response to Undertakings U1 to U4.



Trans Mountain Pipeline ULC (Trans Mountain) **Trans Mountain Expansion Project** Certificate OC-065

Mountain 3 HDD: Request for Variance - Pipe Diameter, Coating and Wall Thickness CER File: OF-Fac-Oil-T260-2013-03 61

Response to Undertakings U-1 to U-4

Filed: November 30, 2023

Undertaking 1 given by Mr. Goulet to Ms. Yuzda at Transcripts page 59.

To describe the process that Trans Mountain followed for any deviation from the Approved Manufacturers List (AML) in relation to the AML Deviation Procedure.

Trans Mountain Response to U-1:

Trans Mountain's process for any deviation is described in the Trans Mountain Quality Management Plan. Section 6.1 (Vendor Pre-Qualification) of the Quality Management Plan¹ states the following:

All critical service purchase materials and equipment and contracted services will be obtained from vendors and contractors on the Approved Manufacturers' List or those qualified on the basis of technical, quality, safety, and commercial factors, in accordance with the requirements of the TMEP Vendor Pre-Qualification procedure. (01-13283-GG-0000-SC-PRO-0002). (italics added)

Section 3.1, Deviations to the AML, of the Vendor Pre-Qualification Procedure states:

The executing Contractor or TMEP Project Team may at any time request a deviation to the AML. It is the responsibility of TMEP SCM to ensure that any deviations from the AML are approved by the appropriate parties, and that such action is properly substantiated. TMEP Procedure "Approved Manufacturers List Deviation 01-13283-GG-0000-RPT-PR-0003" details the procedure for deviating from the AML. (italics in original)

The Approved Manufacturers List Deviation Procedure describes the information that is required to be obtained to make an addition to the AML. This information includes the following:

- A summary of the vendor's 2 list of equipment sold or operating on projects in Alberta or elsewhere in Canada.
- Copies of Quality Assurance Certificates.
- References from other projects and/or previous clients.

In addition, as shown in the Vendor List Deviation Reguest forms at PDF pages 12, 14 and 16 of Attachment 1, each of Berg, SeAH, and EZEFLOW achieved the Project pre-qualification requirements. Also, please see page 3 of 4 of the DCN, regarding the "Pipe Manufacturers Acceptance Criteria".

² Note that the document uses the term "vendor" which would include manufacturers of Project components.

¹ TMEP Document # 01-13283-GG-0000-RPT-CM-0002.



This information, together with any other required support data, is issued to the TMEP Procurement Team. TMEP then makes a decision on whether or not the vendor should be added to the AML. This decision is then documented via the Vendor List Deviation Request Form.

In this instance, the Engineer of Record gathered the information and provided it to TMEP as the basis for TMEP's decision. The Vendor List Deviation Request Forms for the two pipe manufacturers³ and the fitting manufacturer who were not on the AML are provided in Attachment 1 (Design Change Notice) at PDF pages 12 to 17, with the requisite approvals from TMEP personnel.

Note that one of the pipe manufacturers (JFE) was already on the AML and therefore did not require a Vendor List Deviation Request Form.



Undertaking 2 given to Ms. Yuzda at Transcripts pages 59-60.

Undertaking No. 2(A): To demonstrate what additional measures Trans Mountain took to ensure quality equivalent to the material produced under Trans Mountain's Quality Management Plan that adheres to or that is equivalent to that procedure under Trans Mountain's Quality Management Plan.

Undertaking No. 2(B): To include any reference to any approved inspection and test plans, ITPs, and demonstrating material acceptance required under Condition 9 of Certificate OC-065.

Trans Mountain Response to U-2(A) and U-2(B)

Trans Mountain relied on the Engineer of Record to conduct an assessment to ensure that the pipe and fittings to be acquired were of a quality equivalent to the material produced under Trans Mountain's Quality Management Plan (QMP). The fittings acquired from EZEFLOW were manufactured to TMEP specifications. As EZEFLOW was not on the approved AML, the Vendor List Deviation Request form was completed in accordance with TMEP procedures. All other aspects of procurement were under TMEP oversight and followed the procedures in the Quality Management Plan.

The following describes the additional measures Trans Mountain took to ensure quality equivalent to TMEP's QMP for the pipe manufacturers.

- 1. The three NPS 30 pipe manufacturers were evaluated for equivalent acceptance based on the following criteria:
 - Manufacturer's product used by other pipeline companies within the industry.
 - Trans Mountain's past experience with the manufacturer.
 - Manufacturer's ISO certification.
 - Manufacturer's Quality Assurance/Quality Control documentation.
- 2. The Engineer of Record considered conformance to CSA Z662 and to Project specifications and employed a qualified third-party inspector (RINA) to assess the suitability of the pipe product from the three pipe manufacturers. The Engineer of Record assessed the pipe as "suitable for use". TMEP relied on the Engineer of Record to ensure adherence to the Project's Quality Management Plan.
- 3. The SeAH 19.1 mm pipe was acquired and provided to TMEP's induction bend vendor to produce induction bends. This pipe is classified as an induction bend rather than line pipe and falls under the TMEP-approved induction bend vendor's quality management plan. The induction bends were completed in conformance with TMEP's specifications.

Condition 9(d) of Certificate OC-065 requires that Trans Mountain have mandatory inspection requirements, inspector competency training and qualifications. In addition to the equivalent acceptance criteria provided above, Trans Mountain's third-party inspector consolidated the relevant information of each of the manufacturers according to criteria provided by Trans Mountain's Supply Chain organization on October 6, 2023. These criteria are provided as a reference document in Attachment 1 at PDF pages 18 to 21. The most relevant criteria that relate to Condition 9(d) included:

 Confirmation that the Charpy test value should be demonstrated at -6 °C in accordance with TMEP specifications.



- Pipe and heat numbers should be fully legible from the mill stencils.
- Confirm that all Material Test Reports are available for the stated pipe and heat numbers.
- Visual inspection for dents, gouges, excessive corrosion, ovality and so forth.

The third-party inspector also conducted visual inspections of the pipe in conformance with direction to the Inspector (as described in Attachment 1 (Design Change Notice)). These activities were critical in supporting the conclusion by the Engineer of Record that the selected pipe and fittings were suitable for use on the Project.

Please refer to the response to Undertaking 4 for additional information relating to Condition 9. In the Condition 9 table provided in Undertaking 4, all references to JFE pipe should be read to apply to all NPS 30 pipe.



Undertaking 3 given by Mr. Huber to Ms. Yuzda at Transcript pages 50-51.

To demonstrate that all 30-inch diameter pipe and components comply with all project-specific relevant TMEP technical pipe specifications.

Trans Mountain Response to U-3

As outlined in CSA Z662-19, "demonstrate" is defined to mean "verify, or describe and explain, by the use of records, measurement tests, comparison of specimens, experiments or analysis by a competent person, supported by documentation"⁴.

In the discussion that follows, please refer to Attachment 1, entitled "Design Change Notice – NPS 30 Pipe Suitability for Mountain Crossing #3", which is provided as an attachment to these responses to the Undertakings. The Design Change Notice (DCN) provides a detailed summary of the steps taken by TMEP's Engineer of Record (EOR) to ensure adherence to TMEP's documented procedures. TMEP's Engineer of Record (Universal Pegasus International) has consolidated its review of the acquired materials into a single Design Change Notice (DCN). The document has been signed and stamped by a qualified Professional Engineer in the Province of British Columbia.

TMEP engaged the Engineer of Record (EOR) throughout the procurement process to ensure that the NPS 30 pipe and components were from reputable mills and would achieve a quality equal to that of the balance of TMEP pipe.

TMEP obtained and reviewed the Quality Management Plans (QMPs) of the manufacturers. Each of the manufacturers is certified under the International Standards Organization's (ISO's) Quality Management System standard, which is ISO 9001:2015 for the Manufacture of Carbon Steel Pipes.

Additional details related to each pipe manufacturer are provided below:

Berg

- Technical evaluation was conducted on the basis of the manufacturing records produced by the manufacturer and inspections conducted by a qualified third-party inspection organization (RINA).
- Berg Pipe conforms with the requirements of ISO 9001:2015. The Engineer of Record has reviewed Berg Pipe's QMP and found it equivalent to the approved AML manufacturers (Attachment 1, page 3).
- The Berg pipe is manufactured to the American Petroleum Institute's 5L standard. This standard is deemed acceptable under CSA Z662 Table 5.3 with the caveat that impact test results must meet the requirements of CSA Z662. To comply with these requirements, supplemental impact testing was conducted in accordance with CSA Z245.1. The results of the testing confirmed that the pipe conformed to Project specifications and was suitable for use.

SeAH

 Technical evaluation was conducted on the basis of the manufacturing records produced by the manufacturer and inspections conducted by a qualified third-party inspection organization (RINA).

⁴ CSA Z662-2019, Section 2.2 (Definitions), PDF p. 80.

- SeAH Steel Corporation conforms with the requirements of ISO 9001:2015. The Engineer of Record has reviewed SeAH's QMP and found it equivalent to the approved AML manufacturers (Attachment 1, page 3).
- The Engineer of Record determined that this pipe was "suitable for use as found", only requiring Project-specific FBE/ARO⁵ coating to be applied by the Project-approved coating vendor (Shawcor). The term "suitable for use" implies that in the professional judgment of the Engineer of Record, after review, the pipe meets both CSA Z662 and Project specifications.

JFE

- JFE is on the Project's AML.
- Technical evaluation was conducted on the basis of the manufacturing records produced by the manufacturer and inspections conducted by a qualified third-party inspection organization (RINA).
- JFE Steel Corporation West Japan Works (Fukuyama) conforms with the requirements of ISO 9001:2015. The Engineer of Record has reviewed JFE's QMP and found it suitable.
- The Engineer of Record determined that this pipe was "suitable for use as found", only requiring Project-specific FBE/ARO coating to be applied by the Project-approved coating vendor (Shawcor). The term "suitable for use" implies that in the professional judgment of the Engineer of Record, after review, the pipe meets both CSA Z662 and Project specifications.

EZEFLOW

The fittings were manufactured to TMEP specifications. All aspects were under TMEP oversight and followed the procedures in the Quality Management Plan.

Summary

The Engineer of Record completed its technical review of the NPS 30 pipe and fittings on November 8, 2023 (page 3 of 4 of the DCN). The preparation of the Design Change Notice with the requisite approvals by Project personnel was completed on November 27, 2023, demonstating the necessary steps were taken to ensure that the NPS 30 pipe and components meet the Project's technical quality requirements and specifications in compliance with CSA Z662.



Undertaking 4 given by Mr. Huber to Ms. Yuzda at Transcripts pages 79-81.

With respect to the JFE pipe that was purchased from the distributor and not directly from the manufacturer, demonstrate that Trans Mountain complied with Condition 9 of CPCN OC-065.

Trans Mountain Response to U-4:

As outlined in CSA Z662-19, "demonstrate" is defined to mean "verify, or describe and explain, by the use of records, measurement tests, comparison of specimens, experiments or analysis by a competent person, supported by documentation"⁶.

In the case of pipe manufactured by JFE, the Engineer of Record determined that this pipe was suitable for use, only requiring project-specific FBE/ARO coating to be applied by the Project-approved coating vendor (Shawcor). The term "suitable for use" implies that in the professional judgment of the Engineer of Record, after review, the pipe meets both CSA Z662 and Project specifications.

Condition 9 of CPCN OC-65 states the following: "Trans Mountain must file with the NEB, **at least 4 months prior to manufacturing any pipe and major components for the Project**, a Project-specific Quality Management Plan that includes ...".

In the table below, Trans Mountain identifies each requirement of Condition 9(a)-(h) and demonstrates that it complied with Condition 9(a)-(h) of CPCN OC-065.

	CPCN Condition 9(a)-(h)	Trans Mountain Compliance with Condition 9(a)-(h)
a)	material/vendor qualification requirements	Compliance was provided by the Engineer of Record, in its review of the manufacturer's ISO certification and Quality Assurance/Quality Control documents. Refer to Attachment 1, page 3.
b)	quality control and assurance of pipe, fittings, and components that ensure all materials meet Trans Mountain's specifications (i.e., processes, procedures, specifications, random testing, inspection, and test reports)	Compliance was provided by the Engineer of Record, based on Project specifications and requirements. Attachment 1 (Design Change Notice – NPS 30 Pipe Suitability for Mountain Crossing #3) summarizes the steps taken to ensure that the JFE NPS 30 pipe comply with the Project-specific technical pipe specifications. TMEP confirmed the manufacturer's ISO 9001:2015 certification and reviewed the manufacturer's QMP.
c)	mandatory documentation of process conditions during manufacture and verification of the conformance of manufacturer material test reports with Trans Mountain's requirements	Compliance was provided by the Engineer of Record (and provided in Attachment 1), in ensuring that the manufacturer had adequate verification of material test reports and related documentation pertaining to the manufacture of the pipe. JFE has a valid ISO 9001:2015 certification and was on TMEP's AML. The Engineer of Record confirmed that the material test reports are available for traceability and confirmed that the pipe met TMEP specifications.

⁶ CSA Z662-2019, Section 2.2 (Definitions), PDF p. 80.

	CPCN Condition 9(a)-(h)	Trans Mountain Compliance with Condition 9(a)-(h)
d)	mandatory inspection requirements, inspector competency training, and qualifications	With respect to the JFE NPS 30 pipe which had already been manufactured, TMEP could not apply the mandatory inspection requirements, inspector competency training, and qualifications processes in the QMP with respect to the manufacture of the pipe. Upon receipt of the pipe, TMEP applied the same processes as those outlined in the QMP on a forward-looking basis. Demonstration of compliance is provided in Attachment 1 at pages 3 and 4.
e)	non-conformance reporting and correction procedures	With respect to the JFE NPS 30 pipe which had already been manufactured, TMEP could not apply the non-conformance reporting and correction procedures in the QMP with regard to the manufacture of the pipe. Upon receipt of the pipe, TMEP applied the same processes as those outlined in the QMP on a forward-looking basis. Demonstration of compliance is provided in Attachment 1 at pages 3 and 4.
f)	change management process	Once the decision was made to acquire the JFE NPS 30 pipe (see Attachment 1), no change management process was required with respect to the NPS 30 pipe.
g)	commissioning requirements	Trans Mountain will ensure that the commissioning requirements of the QMP are applied during construction activities involving the JFE NPS 30 pipe.
h)	material handling requirements during transportation	Pipe handling activities prior to TMEP's purchase of the pipe were not subject to the QMP material handling requirements. Following TMEP's purchase of the JFE NPS 30 pipe, the material handling requirements of the QMP have been applied, including for the transportation of the pipe from the distributor to the coating mill, and to the right-of-way.



Trans Mountain Expansion Project

Design Change Notice NPS 30Pipe Suitability for Mountain Crossing # 3

Contractor Revision Date:	2023-11-27
Contractor Revision No.:	0
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Trans Mountain Expansion Project

Design Change Notice NPS 30 Pipe Suitability for Mountain Crossing # 3

TMEP Document # 01-13283-S5B-M002-PL-DCN-0015 R0

Rev No.	Prepared by/ Date	Reviewed by/ Date	Approved by/ Date	Reviewed by TMEP	Pages Revised	Issued Type		
	7//							
	SAL	Whare	AD	Clair foll	-			
0	Simon Kirkland 2023-11-27	Manjiri Khare 2023-11-27	Rob Brown 2023-11-27	Jim Huber 2023-11-29	All	Issued for Use		



Trans Mountain Expansion Project

Design Change Notice NPS 30Pipe Suitability for Mountain Crossing # 3

2023-11-27
0
2 of 4

Responsible Engineer to cor	mplete form, issue, and update DCN log.
NPS 30Pipe Suitability for MTC # 3	19731-501-DCN-01094
Title of Document / Change	DCN Number
01-13283-S5B-M002-PL-DCN-0015	5B
RFI # / Client Reference #	Spread

Reason for Change

Trans Mountain is considering using NPS 30 pipe for the Mountain 3 HDD on spread 5B to mitigate technical issues that have been encountered during the boring process. This change necessitated the procurement of additional pipe and fittings as well as the evaluation of existing project welding procedures for use on the material.

PIPE

Due to the limited quantities of NPS 30 pipe required and the short delivery window required, Trans Mountain has decided to procure stock pipe currently available from three manufacturers rather than placing an order for a mill run the requirements for this order were documented using Material requisition 01-13283-S5B-M002-PL-MRQ-0007. The pipe of suitable grade, diameter and quality currently available in North America was produced by three manufacturers:

- JFE
- Berg
- SEAH

Of these three manufacturers, only JFE has been prequalified on the Trans Mountain Expansion project.

Based on the schedule constraints of this HDD Trans Mountain has elected to proceed in accordance with Clause 6.1 (Vendor Pre-Qualification) of the Trans Mountain Expansion Quality Management Plan and use vendors not listed on the project AML, as insufficient pipe was readily available in North America to fulfil this order with pipe produced by AML listed vendors.

The manufacturers were evaluated in accordance with Clause 3.1 of the Trans Mountain Expansion Project Vendor Pregualification Procedure and documented using the Variance Request form.

- Berg pipe is manufactured to the API 5L standard. This standard is accepted by CSA Z662 Table 5.3 with the caveat
 that impact test results must meet the requirements of CSA Z662. To comply with these requirements supplemental
 impact testing was conducted in accordance with CSA Z245.1.
- II. SeAH pipe was manufactured in accordance with CSA Z245.1.

FITTINGS

Trans Mountain elected to procure forged reducers from EZEFLOW, a Canadian fitting manufacturer which holds quality management certification for the manufacture of fittings for the pressure equipment and nuclear industries in Canada and internationally. These reducers were manufactured in accordance with CSA Z245.11 with impact testing conducted at M45C. These fittings were manufactured in accordance with the requirements of 01-13283-TMEP-MP1200 Steel Fittings Specification and the manufacturing records were reviewed for compliance with the requirements of the project. The manufacturers were evaluated in accordance with Clause 3.1 of the Trans Mountain Expansion Project Vendor Prequalification Procedure and documented using the Variance Request form.

WELDING PROCEDURES

The General Construction Contractor elected to use welding procedure TMEP-WPS-04 for the production welding of the NPS 30 pipe and TMEP-WPS-15-RP and TMEP-WPS-18-BW for repair welding. These procedures were reviewed, and the pipe was found to be within the essential variable ranges specified in the welding procedures. The welding procedure datasheets were revised to include the NPS 30 x 15.9mm pipe size.

Resolution / Description of Change:

PIPE MANUFACTURER ACCEPTANCE CRITERIA



Trans Mountain Expansion Project

Design Change Notice NPS 30 Pipe Suitability for Mountain Crossing # 3

Contractor Revision Date:	2023-11-27
Contractor Revision No.:	0
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As the pipe was previously manufactured, a review of pre-construction risk mitigation documents such as the Quality Management Plans and Inspection and Test Plans do not provide risk mitigation value at this stage. Instead, in accordance with condition 9 and Clause 3.1 approved vendor list deviation procedure, the manufacturers were evaluated for equivalent acceptance based on vendor acceptance criteria i.e.,

- a) Manufacturer considered by other industry standard pipeline companies,
- b) Trans Mountain's past experience with the Manufacturer
- c) Manufacturer's ISO certification
- d) Manufacturer's QA / QC documents

Based on above criteria, following were the findings:

- Berg pipe this pipe is surplus from a mill order for the Gary Oak pipeline, a joint venture between Enbridge and Phillips 66. This pipe was manufactured to the standards of these organizations. As these are top tier organizations with industry leading QMP programs, Trans Mountain considers their QA/ QC processes / standards to be suitable for use on the Trans Mountain Pipeline.
- II. SeAH this pipe was purchased from pipe vendor stock. SeAH is a manufacturer which has been previously qualified by Trans Mountain Operations and was used on previous Trans Mountain projects, including the welding procedure qualifications for the Trans Mountain Expansion Project. As such Trans Mountain has a high degree of confidence in the QA/ QC processes / standards of the pipe supplier.

PIPE TECHNICAL ACCEPTANCE

A technical evaluation was conducted on the basis of the manufacturing records produced by the manufacturer and inspections conducted based on ITP criteria (attached) provided to the qualified third party inspection organization (RINA).

Based on above criteria, following were the findings:

- I. The JFE and SeAH piping were determined to be suitable for use as found, only requiring project specific FBE/ ARO coating to be applied by the project approved coating vendor (Shawcor).
- II. The Berg pipe was found to require additional mechanical testing to be suitable for use. The Berg pipe had impact testing conducted at 0C, which did not meet the project requirements of M6C. To mitigate this finding, a sample was taken from each heat of pipe procured and Charpy V-Notch testing on the pipe body and the longitudinal seam weld and heat affected zone at M6C. The results of this testing were reviewed and were determined to meet the project requirements. The pipe was deemed to be suitable for use as tested. Project specific FBE/ ARO coating was applied by the project approved coating vendor (Shawcor).

Despite the manufactures not being listed on the Trans Mountain Approved Manufacturers List, use of NPS 30 pipe previously manufactured by Berg USA and SeAH is considered acceptable on the basis of the technical assessment. These products have been reviewed for compliance with the pipe product specifications of TMEP-SAW-01. On Nov 8th EOR released pipe to be used.

FITTINGS

The two NPS 36 x 30 were procured from EZEFLOW in accordance with material requisition 01-13283-S5B-M002-PL-MRQ-0008. This document included all project requirements, these fittings were manufactured to order and complied with all project requirements. On Nov 21 EOR released fittings to be used upon receipt of the MTRs for these fittings.

References Documents

Description	Document Number	Rev	Comments
RINA Traceability verification	email dated Oct. 17 2023	-	Attached
Vendor Prequalification Variance Request form	01-13283-GC-0000-RPT-PR- 0003	1	Attached
ITP Criteria for MTC #3 NPS 30 X70 pipe	email dated Oct 6 2023	-	Attached



Trans Mountain Expansion Project

Design Change Notice NPS 30 Pipe Suitability for Mountain Crossing # 3

Contractor Revision Date:	2023-11-27
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Page	4 of 4

Additional NPS 30 pipe for Mountain crossing # 3.	01-13283-S5B-M002-PL- MRQ-0007	0	
Quality Management Plan	01-13283-GG-0000-RPT- CM-0002	2	
Vendor Prequalification Plan	01-13283-GG-0000-SC- PRO-0002	1	
Approved Vendor List Deviation Procedures	01-13283-GG-RPT-PR-0003	1	
Steel Fittings Specification	01-13283-TMEP-MP1200	4	
Welding Procedure Specification	TMEP-WPS-04	1	
Welding Procedure Specification	TMEP-WPS-15-RP	0	
Welding Procedure Specification	TMEP-WPS-18-BW	0	
Submerged Arc Welded Steel Pipe	TMEP-SAW-01	4	
Specification			
	01-13283-S5B-M002-PL- MRQ-0008	0	
Specification NPS 30 Fittings for Mountain Crossing 3 DCN Approval		0	
NPS 30 Fittings for Mountain Crossing 3 DCN Approval Lessons Learned N/A Simon Kirkland	MRQ-0008	0	2023- NOV-27
NPS 30 Fittings for Mountain Crossing 3 DCN Approval Lessons Learned N/A Simon Kirkland Originator (Print)		0	2023 - Nov - 27 Date (yyyy-mm-dd)
NPS 30 Fittings for Mountain Crossing 3 DCN Approval Lessons Learned N/A Simon Kirkland Originator (Print) Simon Kirkland	MRQ-0008	0	2023-NoV-27 Date (yyyy-mm-dd) 2023-NoV-27 Date (yyyy-mm-dd)
NPS 30 Fittings for Mountain Crossing 3 DCN Approval Lessons Learned N/A Simon Kirkland Originator (Print) Simon Kirkland	MRQ-0008	0	2023 Nov 27
NPS 30 Fittings for Mountain Crossing 3 DCN Approval Lessons Learned N/A Simon Kirkland Originator (Print) Simon Kirkland Responsible Engineer Manjiri Khare	MRQ-0008	0	2023 Nov 27 Date (yyyy-mm-dd) Date (yyyy-mm-dd)
NPS 30 Fittings for Mountain Crossing 3 DCN Approval Lessons Learned N/A Simon Kirkland Originator (Print) Simon Kirkland Responsible Engineer Manjiri Khare	MRQ-0008	0	2023 Nov 27

TMEP TMCI, these documents and files are intended to be used by other project participants, please also issue to Construction, Procurement, Environment, Survey and Geotechnical

From:	
Sent: Tuesday, October 17, 2023 4:04 PM	
To:	x
Cc:	

Subject: RINA - Traceablity Verification Oct 17, 2023 **Attachments:** RINA - Traceablity Verification Oct 17, 2023.xlsx

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Hi All.

Good Day, attached is the spreadsheet with all the data's for the 30 inch 15.9mm WT JFE/SEAH joints that were delivered in Shawcor yard. Its all complete now.

Thanks

This email and any attachments are for the sole use of the intended recipients and may be privileged or confidential. Any distribution, printing or other use by anyone else is prohibited. If you are not an intended recipient, please contact the sender immediately, and permanently delete this email and attachments. Le présent courriel et les fichiers joints s'adressent uniquement au destinataire visé et peuvent contenir des renseignements confidentiels ou privilégiés. La distribution du courriel, son impression ou toute autre utilisation par une autre personne sont interdites. Si vous n'êtes pas le destinataire visé, veuillez en aviser l'expéditeur immédiatement et supprimer le courriel et les fichiers joints de façon définitive.



Client: TN	EP lo.: TMP001-						ID Stencil Not Legible Needs further evaluation																
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NO	Supplier	Pipe MFR	OD	OD UOM	WT	WT UOM	Spec	MFD MM-YY	CSA Spec	Grade	Category	Design Temp	Test PR MPA	Heat #	Pcs#	MF#	LENGTH	O#	WELD	API Grade	PIPE TYPE	Date Verified	Inspected by
1	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-1874	27007	21-00394	12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
2	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399	27063	21-00447	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
3	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27065		12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
4	COMCO	JFE JFE	30 30	inch inch	15.9 15.9	mm	API SPEC 5L-0052.2 API SPEC 5L-0052.2	12-22 12-22	CSA Z245.1-18 CSA Z245.1-18	448/483 448/483	CAT II	M45C M45C	18.2 18.2	1-6256 1-6256	36619 36617		12.48 12.47	2E13299-001 2E13299-001	SAWL SAWL	L450M (X65M) L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023	Raj Ayyakannu
6	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18 CSA Z245.1-18	448/483	CATII	M45C	18.2	1-5256	36628	2Y-03139 2Y-03148	12.47	2E13299-001 2E13299-001	SAWL	L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023 Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
7	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-6257	36633		12.42	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
8	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36639	2Y-03149	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Avvakannu
9	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36629	2Y-03102	12.41	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
10	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27005	21-00378	12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
11	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1911	27019	21-00367	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
12	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879	27026	21-00414	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
13 14	COMCO	JFE JFE	30 30	inch inch	15.9 15.9	mm	API SPEC 5L-0052.2 API SPEC 5L-0052.2	01-22 01-22	CSA Z245.1-18 CSA Z245.1-18	448/483 448/483	CAT II	M45C M45C	18.1 18.1	7-3399 6-3879	27010 27003		12.38 12.46	1E14253-001 1E14253-001	SAWL SAWL	L450M (X65M) L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023 Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
15	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399	27020		12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
16	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27016		12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
17	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27091		12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
18	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399	27044		12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
19	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1909	27093	21-00369	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
20	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27011	21-00421	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
21	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-1909	27100	21-00396	12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
22	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399	27017	21-00397	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
23	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1866	27084		12.3	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
24 25	COMCO	JFE JFE	30 30	inch	15.9 15.9	mm	API SPEC 5L-0052.2 API SPEC 5L-0052.2	01-22 01-22	CSA Z245.1-18 CSA Z245.1-18	448/483 448/483	CAT II	M45C M45C	18.1 18.1	6-3398 7-3399	27062 27083		12.48 12.47	1E14253-001 1E14253-001	SAWL SAWL	L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023 Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
26	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1909	27021		12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
27	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879	27058	21-00418	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu Raj Ayvakannu
28	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879	27031		12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Rai Avvakannu
29	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-5114	36643		12.4	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
30	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36613	2Y-03119	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
31	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-6256	36634	2Y-03103	12.42	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
32	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	7-3399	27039	21-00442	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
33	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-6256	36606		12.46	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
34 35	COMCO	JFE JFE	30 30	inch inch	15.9 15.9	mm	API SPEC 5L-0052.2 API SPEC 5L-0052.2	12-22 12-22	CSA Z245.1-18 CSA Z245.1-18	448/483 448/483	CAT II	M45C M45C	18.2 18.2	1-7148 1-5446	36616	2Y-03117 2Y-03144	12.47 12.47	2E13299-001 2E13299-001	SAWL SAWL	L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023 Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
36	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36601		12.47	2E13299-001	SAWI	L450M (X65M)	PSI 2	Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
37	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36638	2Y-03150	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
38	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-6256	36611		12.48	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
39	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-6256	36642	2Y-03137	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
40	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399	27045	21-00446	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
41	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CAT II	M45C	18.2	1-7148	36603	2Y-03122	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
42	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36607	2Y-03123	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
43	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-6256	36618		12.48 12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
44	COMCO	JFE JFE	30 30	inch	15.9 15.9	mm	API SPEC 5L-0052.2 API SPEC 5L-0052.2	12-22 12-22	CSA Z245.1-18 CSA Z245.1-18	448/483 448/483	CAT II	M45C M45C	18.2 18.2	1-6257 1-7148	36635 36609		12.47	2E13299-001 2E13299-001	SAWL SAWL	L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023 Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
46	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18 CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36605		12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
47	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36636	2Y-03110	12.46	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
48	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-23	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36648		12.41	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
49	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36625	2Y-03121	12.48	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
50	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CAT II	M45C	18.2	1-6256	36632		12.48	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
51	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148		2Y-03114	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
52	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-6256	36622	2Y-03130	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
53 54	COMCO	JFE ICC	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18 CSA Z245.1-18	448/483	CAT II	M45C M45C	18.2 18.2	1-7148	36620		12.46 12.47	2E13299-001	SAWL SAWL	L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023	Raj Ayyakannu
55	COMCO	JFE JFE	30 30	inch inch	15.9 15.9	mm	API SPEC 5L-0052.2 API SPEC 5L-0052.2	01-23 12-22	CSA Z245.1-18 CSA Z245.1-18	448/483 448/483	CATII	M45C M45C	18.2	1-6256 1-7148	36650 36604		12.47	2E13299-001 2E13299-001	SAWL	L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023 Thursday, October 12, 2023	Raj Ayyakannu Raj Ayyakannu
56	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-0887	27086		11.97	1E14253-001	SAWI	L450M (X65M)	PSI 2	Thursday, October 12, 2023	Raj Ayyakannu
57	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	5-9105	27067	21-00354	12.41	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
58	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36644	2Y-03109	12.45	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
59	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-5446	36637	2Y-03106	12.41	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
60	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CAT II	M45C	18.2	1-5446		2Y-03118	12.48	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
61	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CAT II	M45C	18.2	1-6256	36641	2Y-03143	12.48	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu



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Shaw Cam										Accepted					1								
	By: Raj Ayyaka																						
NO	Supplier	Pipe MFR	OD	OD UOM	WT	WT UOM	Spec	MFD MM-YY	CSA Spec	Grade	Category	Design Temp	Test PR MPA	Heat #	Pcs#	MF#	LENGTH	O#	WELD	API Grade	PIPE TYPE	Date Verified	Inspected by
62	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CAT II	M45C	18.2	1-6256	36631	2Y-03132	12.48	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
63	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CAT II	M45C	18.2	1-6256		2Y-03134	12.48	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
64	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-3398	27064	21-00439	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
65	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-1003	27041	21-00356	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
66	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-1874	27002	21-00403	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
67	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-3398	27032	21-00415	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
68	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1911	27087	21-00353	11.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
69	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27004	21-00379	12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
70	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-5446	36647	2Y-03112	12.34	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
71	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27074	21-00445	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
72	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-1874	27043	21-00386	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
73	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CAT II	M45C	18.2	1-6256	36624	2Y-03131	12.41	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
74	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36627	2Y-03147	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
75	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-3373	36630	2Y-03107	12.41	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
76	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36602	2Y-03120	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
77	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148		2Y-03145	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Rai Avvakannu
78	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879	27014		12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
79	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879		21-00413	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
80	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398		21-00420	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
81	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-0887	27069	21-00359	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
82	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398		21-00335	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
83	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3379	27060	21-00428	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	
84	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398		21-00419	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
85	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398		21-00374	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	
86	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399		21-00400	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	
87	COMCO	JFE	30	inch	15.9		API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398		21-00410	12.46	1E14253-001	SAWL	L450M (X65M)	PSL2		Raj Ayyakannu
88	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399		21-00423	12.47		SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
89	COMCO	JFE	30		15.9			01-22	CSA Z245.1-18 CSA Z245.1-18		CATII	M45C M45C	18.1	6-3879	27040		12.47	1E14253-001	SAWL	L450M (X65M)	PSL2 PSL2	Thursday, October 12, 2023	Raj Ayyakannu
				inch		mm	API SPEC 5L-0052.2			448/483								1E14253-001				Thursday, October 12, 2023	Raj Ayyakannu
90	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-5446		2Y-03127	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Thursday, October 12, 2023	Raj Ayyakannu
91	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1911	27059	21-00393	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
92	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1909	27057	21-00387	12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
93	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879		21-00370	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
94	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1909	27008	21-00392	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
95	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399	27050	21-00360	12.42	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
96	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879		21-00384	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
97	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27027	21-00438	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
98	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398		21-00448	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
99	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879		21-00409	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
100	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27024		12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
101	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398		21-00358	12.43	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
102	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	12-22	CSA Z245.1-18	448/483	CATII	M45C	18.2	1-7148	36608	2Y-03116	12.47	2E13299-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
103	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	7-3399	27101		12.38	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
104	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879	27080	21-00412	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
105	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3879	27042	21-00363	12.41	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
106	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-3398	27051	21-00365	12.46	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
107	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CATII	M45C	18.1	6-1911	27095	21-00368	12.47	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
108	COMCO	JFE	30	inch	15.9	mm	API SPEC 5L-0052.2	01-22	CSA Z245.1-18	448/483	CAT II	M45C	18.1	6-1874	27001	21-00385	12.48	1E14253-001	SAWL	L450M (X65M)	PSL2	Friday, October 13, 2023	Raj Ayyakannu
															Total Le	ngth (M)	1344.27						
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Client: 1	MEP									ID Stencil Not	Legible					1								
RINA Jo	No.: TMP	01-								Needs further	evaluation					1								
.O. or	REQ No. Joir	ts Delivered in	SHAW Ca	mrose Yard						Stencil minim	al legiblity/Handw	ritten details miss	ing			1								
haw Ca	mrose Yard									Accepted														
Prepare	d By: Raj Ay	yakannu																						
No	Supplier	Pipe Mfr	OD	OD UOM	WT	WT UOM	API Spec	MFD MM-YY	CSA SPEC	GRADE	CATEGORY	Design Temp	TEST PR	TEST PR UOM	PIPE#	HEAT#	LENGTH	LENGTH UOM	BATCH#	WELD	API GRADE	PIPE TYPE	DATE VERIFIED	INSPECTED B
1	BHD	SEAH	30	inch	.625	inch	API SPEC 5L-0318	08-19	CSA Z245.1-18	483	CAT II	M45C	18.3	Mpa	1908J1461	P66422	38.5	FT	SPT8281120	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakann
2	BHD	SEAH	30	inch	.625	inch	API SPEC 5L-0318	08-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1908J1459	R21422	38.5	FT	SPT8281100	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannı
3	BHD	SEAH	30	inch	.625	inch	API SPEC 5L-0318	08-19	CSA Z245.1-18	483	CAT II	M45C	18.3	Mpa	1908J1460	A020180	38.5	FT	SPT8281110	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannı
4	BHD	SEAH	30	inch	.625	inch	API SPEC 5L-0318	08-19	CSA Z245.1-18	483	CAT II	M45C	18.3	Mpa	1908J1463	A020181	38.5	FT	SPT8281140	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannı
5	BHD	SEAH	30	inch	.625	inch	API SPEC 5L-0318	08-19	CSA Z245.1-18	483	CAT II	M45C	18.3	Mpa	1908J1464	P66422	40	FT	SPT8281150	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakann
6	BHD	SEAH	30	inch	.625	inch	API SPEC 5L-0318	08-19	CSA Z245.1-18	483	CAT II	M45C	18.3	Mpa	1908J1465	P66422	40	FT	SPT8281150	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannı

Note: Test PR not mentioned on ID stencil it was derived from MTR
OD WELD ARE NOT FLUSHED OFF ON THE ENDS



Client: TMEP		ID Stencil Not Legible
RINA Job No.: TMP001-		Needs further evaluation
P.O. or REQ No. Joints Delivered in SHAW Camrose Yard		Stencil minimal legiblity/Handwritten details missing
Shaw Camrose Yard		Accepted
Prepared By: Raj Avvakannu		

No !	upplier	Pipe Mfr	OD	OD UOM	WT	WT UOM	API Spec	MFD MM-YY	CSA SPEC	GRADE	CATEGORY	DWTT	CVN	TEST PR	TEST PR UOM	PIPE#	HEAT#	LENGTH	LENGTH UOM	P/O No.	BATCH #	WELD	API GRADE	PIPE TYPE	DATE VERIFIED	INSPECTED BY
1	COMCO	SEAH	30	inch	.625	inch	API SPEC 5L-0318	05-22	CSA Z245.1-18	483	CAT II	M10C	M45C	18.3	Mpa	2205J1620	V221334	40	FT	E1-14293	SPW5211060	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannu
2	сомсо	SEAH	30	inch	.625	inch	API SPEC 5L-0318	05-22	CSA Z245.1-18	483	CAT II	M10C	M45C	18.3	Mpa	2205J1622	V221333	40	FT	E1-14293	SPW5211080	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannu
3	COMCO	SEAH	30	inch	.625	inch	API SPEC 5L-0318	05-22	CSA Z245.1-18	483	CAT II	M10C	M45C	18.3	Mpa	2205J1619	V221333	38.5	FT	E1-14293	SPW5211070	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannu
4	сомсо	SEAH	30	inch	.625	inch	API SPEC 5L-0318	05-22	CSA Z245.1-18	483	CAT II	M10C	M45C	18.3	Mpa	2205J1618	V221334	40	FT	E1-14293	SPW5211060	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannu
5	сомсо	SEAH	30	inch	.625	inch	API SPEC 5L-0318	05-22	CSA Z245.1-18	483	CAT II	M10C	M45C	18.3	Mpa	2205J1621	V221334	40	FT	E1-14293	SPW5211060	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannu
6	сомсо	SEAH	30	inch	.625	inch	API SPEC 5L-0318	05-22	CSA Z245.1-18	483	CAT II	M10C	M45C	18.3	Mpa	2205J1617	V221334	38.5	FT	E1-14293	SPW5211050	SAWL	X70M	PSL2	Friday, October 13, 2023	Raj Ayyakannu

Note: Both CVN & DWTT temp are specified on the ID stencil
OD WELD ARE NOT FLUSHED OFF ON THE ENDS
Note: Test PR not mentioned on ID stencil it was derived from MTR



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Client: TN	MEP						ID stencil & MT	TR info varies		ID Stencil I	Not Legible]
RINA Job	No.: TMP001-						Information not	t on ID stencil		MTR missi	ng]
P.O. or RE	Q No. Joints De	livered in SH	AW Cami	rose Yard						Stencil mir	nimal legiblity/l	landwritten det	ails missing]
Shaw Carr	nrose Yard									Accepted]
Prepared	By: Raj Ayyakar	inu															L
No	Supplier	Pipe Mfr	OD	OD UOM	WT	WT UOM	API Spec	MFD MM-YY	CSA SPEC	GRADE	CATEGORY	Design Temp	TEST PR	TEST PR UOM	PIPE#	HEAT#	L

2000	r cuminose ruru									Accepted																
Pre	ared By: Raj Ayyak																									
_ I	o Supplier	Pipe Mfr	OD	OD UOM	WT	WT UOM	API Spec	MFD MM-YY	CSA SPEC	GRADE	CATEGORY	Design Temp	TEST PR	TEST PR UOM	PIPE#	HEAT#	LENGTH	LENGTH UOM	BATCH #	WELD	API GRADE	PIPE TYPE	PO#	DATE VERIFIED	INSPECTED BY	Comments
	1 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1153	P66417	40	FT	SPT4181110	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	2 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1150	P66417	40	FT	SPT4181110	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	3 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1147	P66422	40	FT	SPT4181080	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	4 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1152	P66426	40	FT	SPT4181050	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	5 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1145	R03164	38.5	FT	SPT4181070	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	6 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	01-18	CSA Z245.1-14	483	CATII	M45C	18.3	Mpa	1801/0751	QSB07166	38.5	FT	SPS1131120	SAWL	X70M	PSL2	45001881	Saturday, October 14, 2023	Raj Ayyakannu	
	7 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	02-18	CSA Z245.1-14	483	CATII	M45C	18.3	Mpa	1802J0213	PK512554	40	FT	SPS2032050	SAWL	X70M	PSL2	45001881	Saturday, October 14, 2023	Raj Ayyakannu	
	B VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1151	P66422	40	FT	SPT4181080	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	9 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1143	P66422	38.5	FT	SPT4181060	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	O VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1149	P66417	38.5	FT	SPT4181100	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	1 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	01-18	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1801J0749	A003831	40	FT	SPS1131110	SAWL	X70M	PSL2	45001881	Saturday, October 14, 2023	Raj Ayyakannu	
	.2 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	02-18	CSA Z245.1-14	483	CATII	M45C	18.3	Mpa	1802J0214	PK512554	38.5	FT	SPS2032060	SAWL	X70M	PSL2	45001881	Saturday, October 14, 2023	Raj Ayyakannu	
	3 VAN LEEUWE		30	inch	.625	inch	API SPEC 5L-0318	04-19	CSA Z245.1-18	483	CATII	M45C	18.3	Mpa	1904J1148	R03164	40	FT	SPT4181090	SAWL	X70M	PSL2	45002003	Saturday, October 14, 2023	Raj Ayyakannu	
	4 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318		CSA Z245.1-14	483	CATII	M45C	18.3	Mpa	1801J0745	A003831	38.5	FT	SPS1131080	SAWL	X70M	PSL2	45001881	Saturday, October 14, 2023	Raj Ayyakannu	
	5 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	01-18	CSA Z245.1-14	483	CATII	M45C	18.3	Mpa	1801/0747	QSB07160	40	FT	SPS1131100	SAWL	X70M	PSL2	N/A	Saturday, October 14, 2023	Raj Ayyakannu	
	.6 VAN LEEUWE	N SEAH	30	inch	.625	inch	API SPEC 5L-0318	01-18	CSA Z245.1-14	483	CATII	M45C	18.3	Mpa	1801/0801	A003831	40	FT	SPS1131110	SAWL	X70M	PSL2	45001881	Saturday, October 14, 2023	Raj Ayyakannu	ID STENCIL MINIMAL LEGIBLITY

	R	I	F	1																		
	Client: Th	MEP									Joint!	iogrogated	d - Ring sample		ID Stencil Not L	egible						
	RINA Job	No.:	TMP001-	29							Te	be shippe	ed to Shaw		Needs further e	valuation						
	P.O. or R	EQ N	io. Joints D	elve	red in SH	NW Car	Troop	Yard							Stencil minimal	legibity/Han	dwritten detail	le missing				
	Shaw Car	mross	e Yard												Shipped to Shar	w						
	Prepared	i By: I	Raj Ayyaka	neu																		
- 1	Nio	Т	Supplier	Т	Pipe Mfr	00	0	MOUG	WT	WTUOM	AF	Spec	MFD MM-YY	TEST PR	TEST PR UOM	PIPE #	HEAT	RECEIVED LENGTH	LENGTH UOM	SHIPPED LENGTH	LENGTH UOM	BIN #

LO. or REQ No. Joints Delivered in SHAW Camrose Yard haw Camrose Yard		Stencil minimal legibity/Handwritten details missing Shipped to Shaw										
repared By: Raj Ayyakannu No Supplier Pipe Mfr OD OD UOM WT WT: 1 CFP industries BERG 20 inch 0.625 in	INCH ARCO MENUNY TOTAL	TOTAL COLUMN	THE RESERVE THE PARTY OF THE PA	Interview Land	or lane word on a	CANAL CHAIL	THE S. LAW MENTERS	T and county a	num fram com name	D. Dd to Filling	I I I I I I I I I I I I I I I I I I I	Comments
	nch APISPEC SI-0153 08-18 2820		E FT 29.7	FT 298-07914 EXP SAWL 370M	PSL2G 4525189508	SHAW PLE BEVEL	STRAIGHT CUT Monday, October 16, 2023					Commercia
2 CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PS 816072-0 803050290 29.1 PS 816327-2 802030130 38.1	1 FT 36	FT 391-07782 EXP SAWA, 3/70N FT 389-07749 EXP SAWA, 3/70N	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Monday, October 16, 2023	RS-14 1	Burnday, October 19, 2023	Thursday, October 19, 2023 Thursday, October 19, 2023	Raj Ayyakannu	
3 CFP industries BERG 30 inch 0.625 in 4 CFP industries BERG 30 inch 0.625 in			9 FT 27.9	FT 389-07749 DXP SAWL 3270M	PSI2G 4525189508 PSI2G 4525189508	SHPPED TO SHAW BEVEL						
5 CID industries BERG 30 lock 0.625 in	nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820	PS 816414-2 803060280 393 PS 816470-5 801000160 383	6 FT 27.7	FT 205-02503 DVP SAWA 320M	PSI2G #525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Monday, October 16, 2023 STRAIGHT CUT Monday, October 16, 2023	RS-11 T	hunday, October 19, 2023 hunday, October 19, 2023	Thursday, October 19, 2023 Thursday, October 19, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PS 816087-3 802C30150 40 PS 900859-3 803D60320 40 PS 816052-1 801C00170 38J	0 FT 29	FT 400-07970 EXP SAWL 3/70M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Monday, October 16, 2023 BEVEL Monday, October 16, 2023 STRAIGHT CUT Monday, October 16, 2023	RS-30 T RS-07 W	hunday, October 19, 2023 lednesday, October 18, 2023 lednesday, October 18, 2023	Thursday, October 19, 2023 Thursday, October 19, 2023 Thursday, October 19, 2023	Raj Ayyakannu	
6 CFP Industries 8ERG 30 Inch 0.625 In 7 CFP Industries 8ERG 30 Inch 0.625 In 8 CFP Industries 8ERG 30 Inch 0.625 In	nch API SPEC 51-0153 01-19 2820	PSI 900859-3 803D90320 40 PSI 816053-1 801C00170 38J	0 FT 38.9	FT 400-07892 DXP SAWL 3270M	PSI2G 4525675501	SHIPPED TO SHAW BEVEL	BEVEL Monday, October 16, 2023	RS-07 W RS-06 W	ednesday, October 18, 2023 Indoordes, October 18, 2023	Thursday, October 19, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nd API SPEC SL-0153 08-18 2820	PS 816000-1 803060280 39		FT 396-07859 DXP SAWA 370M	PSL2G 4525189508	SHAM BEE BEVEL	STRAIGHT CUT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 23, 2023 Thursday, October 19, 2023 Thursday, October 19, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in	nch API SPEC 51-0153 08-18 2820	PS 816000-1 803C60280 29.1 PS 816195-6 803C30120 29.1	A FT 36.5	FT 396-07937 EXP SAWL 3/70M	PSI2G 4525189508	SHIPPED TO SHAW STRAIGHT CUT	STRAGHT CUT Monday, October 16, 2023 STRAGHT CUT Monday, October 16, 2023 STRAGHT CUT Monday, October 16, 2023 STRAGHT CUT Monday, October 16, 2023	N/A RS-05 W	ednesday, October 18, 2023	Thursday, October 19, 2023	Raj Ayyakannu	ID STENCE MINMAL LEGIBLITY
CFP industries SERG 20 Inch 0.625 in	nch API SPEC 51-0153 08-18 2820	PSI 816413-9 803C60360 393	а п жа	FT 393-07793 EXP SAWA 3/70M	PSI2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Monday, October 16, 2023	RS-OI W	ednesday, October 18, 2023	Thursday, October 19, 2023	Raj Ayyakannu	ID STENCIL MINMAL LEGIBLITY
CFP industries BERG 30 Inch 0.625 In CFP industries BERG 30 Inch 0.625 In	nch API SPEC SL-0153 08-18 2820	PS 816005-0 803000290 393 PS 816178-8 803940340 393	9 FT 38.8	FT 399-07760 DXP SAWA 3270M	PSI2G 4525189508	SHW PLE BEVEL	STRAIGHT CUT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 23, 2023	Raj Ayyakannu Raj Ayyakannu	Received length was about a FT short than the reported length on the paperwork
CFP industries BERG 30 Inch 0.625 In	OCC 81400 (2700212) ADI COLOR (NA	PS 816016-8 802C30140 40	D FT 38.9	FT 400-07925 DJP SAWIL 3270M	PSI2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Monday, October 16, 2023 STRAIGHT CUT Monday, October 16, 2023	RS-19 T	Thursday, October 19, 2023 Thursday, October 19, 2023	Friday, October 20, 2023 Thursday, October 19, 2023	Raj Ayyakannu	
CFP industries BERG 20 inch 0.625 in CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in	nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 01-19 2820 nch API SPEC SL-0153 01-09 2820	PS 816218-6 803000350 393 PS 900024-1 803080310 40 PS 90084-5 801000230 393	9 FT 38.9	FT 299-07981 EXP SAWL 3/70M	PSI2G 4525189508	SHIPPED TO SHAW BEVEL	STRAGHT CUT Monday October 16 2023 BEVEL Monday, October 16, 2023 BEVEL Monday, October 16, 2023	RS-18 T	hunday October 19 2023	Thursday, October 19, 2023 Thursday, October 19, 2023 Thursday, October 19, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0153 01-19 2820	PS 900834-1 803080310 40 PS 900854-5 801000230 39.4	0 FT 39	FT 400-07914 DXP SAWL 3270M	PSL2G 4525675501	SHIPPED TO SHAW BEVEL	BEVEL Monday, October 16, 2023	RS-17 1	hunday, October 19, 2023	Thursday, October 19, 2023	Raj Ayyakannu	
CFP Industries BERG 30 Inch U.625 In	101 API SPEC SI-CUSS US-CH 2820	PS 90004-5 80100020 297		FT 201-07573-DVD 54W4 370W	PSL26 4525189508	SHEPED TO SHAW BENEL	STRACUT CUT Monday, October 16, 2023	R)-36	Duraday, October 19, 2023	Thursday, October 19, 2022	Raj Ayyakannu Raj Ausakannu	ID STENCE MINIMAL LEGISLITY
CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in	nch API SPEC 51-0153 08-18 2820 nch API SPEC 51-0153 01-19 2820	PS 815963-2 803869680 38.1 PS 900746-2 803D60310 40	D FT 29.9	FT 400-07925 EXP SAWA 370M	PSL2G 4525675501	SHAW PLE BEVEL	STRAIGHT CUT Monday, October 16, 2023 BEVEL Monday, October 16, 2023	N/A S	laturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	to attitude minimal diseases
CFP industries BERG 30 inch 0.625 in	nch API SPEC 51-0153 01-19 2820	PSI 900868-4 801D00220 40	D FT 29	ET ADDATEDED SAWS 1770M	PG12G #525675504	CHIPDED TO CHAW BEVEL	DEVEL Monday October 16, 2023	RS-21 1	Bursday, October 19, 2023	Thursday, October 19, 2023 Monday, October 23, 2023 Friday, October 20, 2023	Raj Ayyakannu	
CFP industries 888G 20 Inch 0.625 in CFP industries 888G 20 Inch 0.625 in	nch API SPEC SL-0153 08-18 2820	PSI 816412-5 803060280 38.1 PSI 816098-1 802030150 29.1	6 FT 365	FT 386-07672 DXP SAWL 3270N	PSI2G 4525189508	SHAW PLE BEVEL SHAW PLE BEVEL SHAW PLE BEVEL SHAW PLE BEVEL	STRAIGHT CUT Monday, October 16, 2023 STRAIGHT CUT Monday, October 16, 2023			Monday, October 23, 2023 Monday, October 23, 2023		Secretarillarity and the Walestine Secretarillarity and a secretarillarity
CFP industries BERG 20 Inch 0.625 In	nch APISPEC SL-CUSSI 08-18 2820	PS 816098-1 802C30150 393 PS 816100-7 802C30150 383	7 FT 365	FT 367-07749-DXP SAWA 370M	PSL2G 4525189508	SHAM LE BEALT	STRAIGHT CUT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 23, 2023	Raj Ayyakannu	Received length was about a FT short than the reported length on the paperwork
CFP industries BERG 20 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PS 816100-7 802C30150 38.3 PS 81646-0 803C60260 39.3	9 FT 29.8	FT 399-07959 EXP SAWL 3/70M	PSI2G 4525189508	SHW PLE BEVEL	STRAIGHT CUT Monday, October 16, 2023 STRAIGHT CUT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 22, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 20 Inch 0.625 in CFP industries BERG 20 Inch 0.625 in	high API SPEC 51-0153 08-18 2820 high API SPEC 51-0153 08-18 2820	PS 816293-4 802C30100 38.6 PS 816120-6 802C30100 39.5	£ FT 27.3	FT 386-07694 EXP SAWL 170M FT 399-07959 EXP SAWL 170M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL SHAW PILE BEVEL	STRAIGHT CUT Monday, October 16, 2023 STRAIGHT CUT Monday, October 16, 2023	RS-20 1	hunday, October 19, 2023 Sunday, October 22, 2023	Thursday, October 19, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC SI -0153 08-18 2820	PS 816120-6 802C30100 393	9 17 39.8	FT 299-07959 DXP SAWL 3070M	PSI2G 4525189508	SWW PLE BEVEL	STRAIGHT CUT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 23, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in	nch APISPEC SL-0153 08-18 2820	PSI 816197-3 803060250 38 PSI 816549-0 802030140 39.3	5 FT 29.4	FT 295-07892 DVP SAWA 3/70M	PSI2G 4525189508	SHAM BEE BEVEL	STRAIGHT CLIT Monday, October 16, 2023 STRAIGHT CLIT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 23, 2023	Raj Ayyakannu	ID STENCIL MINMAL LEGIBLITY
CERTadoptetos RESC 20 tech 0.000 te	ATTEMPT OF THE STATE OF THE STA	DE BLOWER BOLCODIAN AN	0 FT 29.9				STRAIGHT CUT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC SL-0153 08-18 2820	PSI 816085-6 802C30150 39.0	3.66	FT 298-07892 EXP SAWL X70M	PSL2G 4525189508	SHAM LEE BEAET	STRAIGHT CUT Monday, October 16, 2023	N/A	Sunday, October 22, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries SERG 30 inch 0.625 in CFP industries SERG 30 inch 0.625 in	nd APISPEC SL-0653 08-18 2820	PSI 816452-3 803C60250 39./	N FT 29.3	FT 290-07837 EXP SAWA 370M	PSL2G 4525189508 PSL2G 4525189508	SHIPPED TO SHAW PEVEL	STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023	N/A PS-22 T	Sunday, October 22, 2023 Sunday, October 19, 2023	Monday, October 23, 2023 Edday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in	held API SPEC SL-0653 08-18 2820 held API SPEC SL-0653 08-18 2820 held API SPEC SL-0653 08-18 2820 held API SPEC SL-0653 08-18 2820	PS 816453-3 803000250 39.4 PS 816373-7 803869690 39 PS 816556-3 802030110 39.4	E FT 30.5	FT 286-07802 EXP SAVAL X/20M FT 286-07802 FXP SAVAL X/20M FT 280-07749 EXP SAVAL X/20M FT 280-07749 EXP SAVAL X/20M	PSL2G 4525189508	SHAM LEE BEALT	STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023 Friday, October 20, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in	nch APISPEC SL-0153 08-18 2820	PSI 816039-8 801000170 40 PSI 816043-0 802030130 40	0 FT 20.9	FT 400-07937 DVP SAWIL 3270M	PSL2G 4525189508	SHAW PLE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023	N/A	Sunday, October 22, 2023 ednesday, October 18, 2023	Monday, October 22, 2023 Thursday, October 19, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	heth API SPEC SL-0653 08-18 2820 heth API SPEC SL-0653 08-18 2820 heth API SPEC SL-0653 08-18 2820 heth API SPEC SL-0653 08-18 2820	PS 816043-0 802C30110 40 PS 816453-7 803C60270 293	FT 39	FT 400-07925 DIP SAWL 370M	PSL2G 4525189508	SHPPED TO SHAW BEVEL		RS-CO W	ednesday, October 18, 2023	Thursday, October 19, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In CFP industries BERG 30 Inch 0.625 In	nch APISPEC SL-0153 08-18 2820	PSI 816453-7 803000270 393 PSI 816302-5 802C30130 37.1	1 FT 349	FT 371-07363 EXP SAWL 370M	PSL2G 4525189508	SHAMPLE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023	N/A S	Saturday, October 21, 2023	Thursday, October 19, 2023 Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP Industries SERG 30 Inch 0.625 In CFP Industries SERG 30 Inch 0.625 In	nch APISPEC SL-0153 08-18 2820	PS 816044-4 803C30130 393 PS 816099-5 803C30150 393	9 FT 29.8	FT 399-07914 EXP SAWA 370M	PSL2G 4525189508	SHAMPLE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023	N/A	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CPF Industries BERG 20 Inch 0.625 in CFF Industr	nch APISPEC 52-0153 08-18 2820	PSI 816099-5 802C30150 39.	9 FT 29.8	FT 266-0787 DDP 4444, 1759 FT 460-07837 DDP 4444, 1759 FT 460-07837 DDP 4444, 1759 FT 460-07837 DDP 4444, 1759 FT 360-07837 DDP 4444, 1759 FT 370-07837 DDP 4444, 1759 FT 370-07847 DDP 4444, 1759 FT 370-07847 DDP 4444, 1759 FT 460-07847 DDP 4444, 1759	PSL2G 4525189508	SHAM LEE BEALT	STRAIGHT CLIT Tuesday, October 17, 2023	N/A S	laturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	APISPEC SL-0153 08-18 2820	PS 816068-8 803060290 40	0 FT 29.9	FT 400-07937 DVP SAWL 370M	PSL2G 4525189508	SHAMBLE BOATS	STRAIGHT CUT Tuesday October 17 2023	N/A S	Saturday October 21, 2023	Monday October 23 2023	Rai Avvakannu	
CFP industries BERG 30 inch 0.625 in	nch API SPEC SL-0153 08-18 2820	PS 816379-2 803C60270 40 PS 816049-2 801C00170 393	9 FT 39.8	FT 399-07959 EXP SAWL X70M	PSL2G 4525189508	SHAM LEE BEAET	STRAIGHT CLIT Tuesday, October 17, 2023 STRAIGHT CLIT Tuesday, October 17, 2023	N/A	Saturday, October 21, 2023	Monday, October 23, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in	nch API SPEC 51-0153 08-18 2820	PS 815960-1 803060000 39.5	S FT 29.4	FT 286-07903 DD 54M, 120M FT 286-07903 DD 54M, 120M FT 286-0772 DD 54M, 120M FT 286-0772 DD 54M, 120M FT 286-0788 DD 54M, 120M FT 480-0788 DD 54M, 120M FT 480-0789 DD 54M, 120M FT 480-0787 DD 54M, 120M FT 480-0787 DD 54M, 120M	PSL2G 4525189508	SHW PLE BEVEL	STRAIGHT CLIT Tuesday, October 17, 2023 STRAIGHT CLIT Tuesday, October 17, 2023	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023 Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PS 816368-4 803869690 3815 PS 816361-9 803C30140 291	9 FT MA	FT 389-07727 EXP SAWL 370M	PSL2G 4525189508	SHAW PILE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023	N/A S	laturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFF Industries 868G 20 lech 0.425 is CFF Industries 868G 30 lech 0.425 is	nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820	PSI 815965-9 802390340 39.	A FT 29	FT 294-07848 EXP SAWS 3708 FT 294-07848 EXP SAWS 3708	PSL2G 4525189508 PSL2G 4525189508	SHAW PLE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023	N/A S	laturday, October 21, 2023 Saturday, October 21, 2023	Monday, October 22, 2023 Monday, October 22, 2023 Monday, October 22, 2023 Monday, October 22, 2023 Monday, October 22, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 in	nch API SPEC 5L-0153 08-18 2820	PSI 816025-9 802C30130 46	D FT 29.9	FT 400-07959 EXP SAWA 3/70M	PSL2G 4525189508	SHAW PILE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in	nch API SPEC SL-0153 08-18 2820	PS 816035-9 803C30130 40 PS 816071-7 803C60390 393 PS 816110-1 802C30100 40	J FT 29.6	FT 297-07881 DXP SAWL 370M	PSL2G 4525189508	SHAW PILE BEVEL		N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP Industries BERG 30 Inch 0.625 In	nch API SPEC SI -0153 08-18 2820	PS 816110-1 802C30100 40	D FT 399	FT 400-07937 EXP SAWL 370M	PSI2G 4525189508	SHAW PLE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023	N/A S	laturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu Raj Ayyakannu	ID STENCE MINMAL LEGISLITY
CFP industries 888G 30 inch 0.625 in CFP industries 888G 30 inch 0.625 in CFP industries 888G 30 inch 0.625 in CFP industries 888G 30 inch 0.625 in	nch API SPEC SL-0153 08-18 2820	PSI 816398-8 803871580 40 PSI 815996-7 803050260 40	D FT 39.9	FT 400-07992 DJP SAWIL 3270M	PSI2G 4525189508	SHAM PLE BEVEL	STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023 STRAIGHT CUT Tuesday, October 17, 2023	N/A S	laturday, October 21, 2023	Monday, October 19, 2023 Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023	Raj Ayyakannu	D STERCE MINNE DOUBLIT
CFP industries BERG 30 Inch 0.625 In	nch API SPEC SL-0153 08-18 2820	PSI 816215-5 803060260 39.2	3 FT 39.2	FT 393-07837 EXP SAWL 370M	PSI2G 4525189508	SHAW PILE BEVEL	STRAIGHT CLIT Tuesday, October 17, 2023 STRAIGHT CLIT Tuesday, October 17, 2023	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PS 816093-3 802C30150 40.1	1 FT 29.8					N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CP Industries 1816 30 to the 0.625 in 10 CP Industries 1816 50 to the 0.625 in	nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820	PSI 816300-8 802C30100 29.1 PSI 816383-5 803C60270 40	1 FT 38.9	FT 291-07760 EXP SAWS 370M FT 400-07981 EXP SAWS 370M	PSL2G 4525189508 PSL2G 4525189508	SHAW PILE BEVEL	STRANGIT CUT TUMBEN, OCTOBER 17, 2023 STRANGIT CUT TUMBEN, OCTOBER 17, 2023 STRANGIT CUT TUMBEN, OCTOBER 17, 2023 STRANGIT CUT TUMBEN, OCTOBER 18, 2023 STRANGIT CUT Wednesday, Citchber 18, 2023	N/A S	Saturday, October 21, 2023 Saturday, October 21, 2023	Monday, October 22, 2023 Monday, October 22, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 20 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PS 816069-1 803060380 38	9 FT 30.7	FT 389-07716 DXP SAWA 320M	PSI2G 4525189508	SHAW PLE BEVEL	STRAIGHT CUT Wednesday, October 18, 2022	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in	nch API SPEC 51-0153 08-18 2820	PS 816069-1 803050280 383 PS 815995-3 803050260 40 PS 815986-2 802940240 394	D FT 29.9	FT 400-07937 DIP SAWL 3270M	PSL2G 4525189508	SHAW PLE BEVEL	STRAIGHT CUT Wednesday, October 18, 2023	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in	nch API SPEC SL-0153 08-18 2820	PS 815986-2 802840340 39.4	4 FT 393	FT 294-07870 DXP SAWL 3270M	PSI2G 4525189508	SHW PLE BEVEL	STRAIGHT CUT Wednesday, October 18, 2022	N/A S	laturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nds API SPEC SL-CUSS 08-18 2820	PS 816002-9 8030571570 29.7 PS 816002-9 803050290 29.1	A FT 29.6	FT 396-07903 DXP SAWL 370M	PSL2G 4525189508	SHAM SEE BEART	STRAIGHT CUT Wednesday, October 18, 2022	RS-09 W	ednesday, October 38, 2023 Saturday, October 21, 2023	Monday, October 19, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 in	nch API SPEC 51-0153 08-18 2820	PSI 816012-3 803000260 39.0	9 FT 29.8	FT 299-07948 EXP SAWL 3/70M	PSI2G 4525189508	SHAW PILE BEVEL	STRAIGHT CUT Wednesday, October 18, 2023 STRAIGHT CUT Wednesday, October 18, 2023	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PSI 816086-0 802C30150 40	D FT 29.9	FT 400-07959 EXP SAWL 370M FT 388-07738 EXP SAWL 370M FT 390-07793 EXP SAWL 370M	PSL2G 4525189508	SHAW PILE BEVEL		N/A S				
CFP industries BERG 30 Inch 0.625 in	nds APISPEC SI-0153 08-18 2820	PSI 816137-6 802C30130 38J PSI 816436-9 803C60250 39J	A FT 38.6	FT 200-07700 DVP SAWA 370M	PSI2G 4525189508	SHAW DEE BEVEL	STRAIGHT CUT Wednesday, October 18, 2023 STRAIGHT CUT Wednesday, October 18, 2023	N/A S	Saturday, October 21, 2023	Monday, October 22, 2023 Monday, October 23, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nd API SPEC SL-0153 08-18 2820	PS 816210-7 801810050 38	5 FT 27.5	FT 365-07639 DXP SAWA 370M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRANGHT CUT Wednesday October 18 2022	RS-OR W	ednesday October 18 2023	Thursday October 19 2023	Rai Avyakannu	
CP Industries	nch API SPEC 51-0153 08-18 2820	PS 816210-7 801810050 38.1 PS 816407-9 803000270 39.3	2 FT 39.1	FT 392-07782 EXP SAWL 3/70M	PSL2G 4525189508	SHWPLE BEVEL	STRAIGHT CUT Wednesday, October 18, 2022 STRAIGHT CUT Wednesday, October 18, 2022 STRAIGHT CUT Wednesday, October 18, 2022	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0153 08-18 2820	PSI 816135-9 801C00160 40.1	1 FT 39.9	FT 401-07948 EXP SAWL 3/70M	PSL2G 4525189508	SHAW PILE BEVEL	STRAIGHT CUT Wednesday, October 18, 2022	N/A S	Saturday, October 21, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 in CFP industries BERG 30 Inch 0.625 in	nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820	PS 816077-9 803C30150 39.3 PS 816014-0 803C60360 39.3	2 FT 29.1	FT 390-07760 EXP SAWS 370M	PSL2G 4525189508 PSL2G 4525189508	SHAW PLE BEVEL	STRAIGHT CUT Wednesday, October 18, 2023 STRAIGHT CUT Wednesday, October 18, 2023	N/A S	Friday, October 21, 2023 Friday, October 20, 2023	Thursday October 19 2023 Monday, October 22, 2023 Monday, October 22, 2023 Monday, October 22, 2023 Monday, October 22, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 3D Inch 0.625 in	101 API SPEC 51-0153 08-18 2820	PSI 816201-6 803C60250 39.3	3 FT 392	FT 386-07639 D29 SAWA, 3720x FT 320-07780 D29 SAWA, 3720x FT 420-07780 D29 SAWA, 3720x FT 320-07780 D29 SAWA, 3720x	PSL2G 4525189508	SHAM LE BEART		N/A			Raj Ayyakannu	
CED industries BERG 30 lock 0.635 in	nch APISPEC 52-0653 08-68 2820	PSI 816373-0 803869690 40	D FT 29.9	FT 400-07914 EXP SAWL 370M	PSL2G 4525189508	SHAM LEE BEAET	STRAIGHT CUT Wednesday, October 18, 2022	N/A	Friday, October 20, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in CFP industries BERG 30 inch 0.625 in	nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820	PSI 816092-0 802C30150 40 PSI 815993-6 803C60260 38J PSI 816364-0 803C60270 29J	FT 20.0	FT 400-07970 DOP SAWL 370M	PSL2G 4525189508	SHAMBLE BOYEL	STRAIGHT CLIT Wednesday, October 18, 2022	N/A	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023	Monday, October 23, 2023 Monday, October 23, 2023 Monday, October 23, 2023	Raj Ayyakannu Raj Ayyakannu	
CFP industries BERG 30 inch 0.625 in	nch APISPEC SL-0153 08-18 2820	PS 816364-0 803060270 39	1 FT 201	FT 291-07782 DXP SAWA 370M	PSL2G 4525189508	SWW PLE BEVEL	STRAIGHT CUT Wednesday, October 18, 2022	N/A	Friday, October 20, 2022	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In	nch API SPEC 51-0653 08-68 2820	PS 816369-8 803060360 391	9 FT 29.7	FT 299-07992 EXP SAWL 370M	PSL2G 4525189508	SHAW PLE BEVEL	STRAIGHT CLIT Wednesday, October 18, 2022	N/A	Friday, October 20, 2023 Friday, October 20, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries SERG 30 Inch 0.625 In	nch API SPEC SL-0153 08-18 2820	PSI 816464-5 803871580 40	FT 29.8	FT 400-07892 ENP SAWL 370M	PSL2G 4525189508	SHAM DEE BEVEL	STRAGHT CUT Thursday, October 19, 2023	N/A	Friday, October 20, 2023	Monday, October 23, 2023	Rai Avvakannu	
CFP industries BERG 20 inch 0.625 in CFP industries BERG 20 inch 0.625 in CFP industries BERG 20 inch 0.625 in	nd APISPEC SL-0153 08-18 2820	PSI 816050-4 801000170 40 PSI 816349-9 803050270 40	1 T 202	FT 400-02007 DDP SAWL 370W	PSL2G 4525189508 PSL2G 4525189508	SHIPPED TO SHAW PEUT	STAMACH CUT Wednesday, Cotober 19, 2023 STAMACH CUT Thursday, October 19, 2023 STAMACH CUT Thursday, Cotober 19, 2023	N/A N/A	Friday, October 20, 2023 Friday, October 20, 2023	Monday, October 22, 2023 Filday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu	
CFF industries SERG 30 inch 0.625 in CFF industries SERG 30 inch 0.625 in	nch API SPEC 51-0153 08-18 2820	PS 816183-4 802C30130 39	1 FT 389	FT 394-07749 DP SAWA 1709 FT 394-07740 DP SAWA 1709 FT 394-07740 DP SAWA 1709 FT 400-07559 DP SAWA 1709 FT 400-07559 DP SAWA 1709 FT 394-07725 DP SAWA 1709 FT 394-07725 DP SAWA 1709 FT 394-07727 DP SAWA 1709 FT 394-07727 DP SAWA 1709	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023 STRAIGHT CUT Thursday, October 19, 2023	N/A	Friday, October 20, 2023 Friday, October 20, 2023	Friday, October 20, 2023 Friday, October 20, 2023	Raj Ayyakannu	
CFP industries BERG 20 inch 0.625 in	nch API SPEC 51-0153 08-18 2820 nch API SPEC 51-0153 08-18 2820	PS 816183-4 802C30150 39.1 PS 816434-1 802C30150 39.1	A FT 29.7	FT 298-07914 DJP SAWL 370M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023	N/A	Friday, October 20, 2023	Friday, October 20, 2023	Raj Ayyakannu	
CFP industries BERG 20 inch 0.625 in CFP industries BERG 20 inch 0.625 in CFP industries BERG 20 inch 0.625 in	heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820	PS 816095-0 802C30150 40 PS 816366-7 803C60270 40	D FT 29.9	FT 400-07959 DXP SAWL 370M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023 STRAIGHT CUT Thursday, October 19, 2023 STRAIGHT CUT Thursday, October 19, 2023	N/A N/A	Friday, October 20, 2023 Friday, October 20, 2023 hursday, October 19, 2023	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu	
CFF industries BERG 30 Inch 0.625 In	nch APISPEC SL-0153 08-18 2820	PSI 816366-7 803060270 40 PSI 815973-7 80100090 39.0	E FT 34.9	FT 200-07925 EXP SAWL 370M	PSL2G 4525189508	SHPREDTOSHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023	R5-23 1	hunday, October 19, 2023	Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu	
	nch API SPEC SL-0153 08-18 2820	PSI 816148-4 802C30150 38J	A FT 34.7	FT 208-07727 EXP SAWL X70M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023 STRAIGHT CUT Thursday, October 19, 2023	N/A	Friday, October 20, 2023 Friday, October 20, 2023	Friday, October 20, 2023	Raj Ayyakannu	
		PSI 816295-1 802C30100 38.0	A FT MJ	FT 388-07583 EXP SAWL X70M	PSL2G 4525189508 PSL2G 4525189508	SHAM LEE BEAET		N/A	Friday, October 20, 2023	Monday, October 23, 2023	Raj Ayyakannu	
CFP industries BERG 30 Inch 0.625 In CFP industries BERG 30 Inch 0.625 In			9 FT 20.8	FT 299-07948 EXP SAWL 3/70M	PSI2G 4525189608	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023 STRAIGHT CUT Thursday, October 19, 2023	N/A	Friday, October 20, 2023	Friday, October 20, 2023	I Rai Avyakannu	WRONG SHIPPING TALLY WRONG SHIPPING TALLY
CFP industries BERG 30 Inch 0.625 In CFP industries BERG 30 Inch 0.625 In		PS 815989-3 802C30130 39.						81/8		Diddey Orbobas 30, 3000	Dal Approhense	
CFP industries BERG 20 inch 0.625 in CFP industries BERG 20 inch 0.625 in CFP industries BERG 20 inch 0.625 in CFP industries BERG 20 inch 0.625 in	nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820 nch API SPEC SL-0153 08-18 2820	PS 815989-3 802C30130 293 PS 815988-0 802C30130 373 PS 816141-9 803C60280 293	2 FT 37.1	FT 373-07407 (SIP SAWA 370M FT 399-07914 (SIP SAWA 370M	PSI2G 4525189508 PSI2G 4525189508	SHIPPED TO SHAW PEVEL	STRAIGHT CUT Thursday, October 19, 2023 STRAIGHT CUT Thursday, October 19, 2023	N/A N/A	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023	Friday, October 20, 2023 Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu	WRONG SHIPPING TALLY WRONG SHIPPING TALLY
CFF industries BRIG 20 inch 0.625 in CFF industr	heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820	PS 816141-9 803C60280 393 PS 816462-8 803C60290 393		FT 299-07914 EXP SAWL 370M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023	N/A N/A	Friday, October 20, 2023 Friday, October 20, 2023	Friday, October 20, 2023 Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu	WRONG SHIPPING TALLY WRONG SHIPPING TALLY
CPI industries 828G 20 inch 0.625 in CPI industries 828G 20 inch 0.625 in	heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820	PS 816141-9 803C60280 393 PS 816462-8 803C60290 393	2	FT 299-07914 EXP SAWL 370M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023	N/A N/A	Friday, October 20, 2023 Friday, October 20, 2023	Friday, October 20, 2023 Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu	WIONG SHIPPING TALLY WIONG SHIPPING TALLY WIONG SHIPPING TALLY WIONG SHIPPING TALLY
CFP industries 828G	heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820 heh API SPEC SI-0553 08-18 2820	PS 816141-9 803C60280 393 PS 816462-8 803C60290 393	9 FT 38.9 D FT 38.4	FT 299-07914 EXP SAWL 370M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023	N/A N/A	Friday, October 20, 2023 Friday, October 20, 2023	Friday, October 20, 2023 Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu	WRONG SUPPING TALLY AND TA
CF Industrie 480.6 20 Inch 0.025 in Inch 0.025 in CF Industrie 480.6 20 Inch 0.025 in In	APS SPC SLOSS 3 08-18 2820 Arch APS SPC SLOSS 3 08-18 2820 APS SPC SLOSS 3 08-	P2 81641-9 803000300 393 P2 81640-3 80300299 39-9 P2 81603-2 80100160 39 P2 816073-9 80100170 40 P2 816234-6 8020013 39-9	9 FT 38.9 D FT 38.4	FT 299-07914 EXP SAWL 370M	PSL2G 4525189508	SHIPPED TO SHAW BEVEL	STRAIGHT CUT Thursday, October 19, 2023	N/A N/A N/A N/A N/A	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 19, 2023	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu	WIGHES SUPPING TALLY WEIGHS SUPPING TALLY
CP Industries 1816 X0 Inch 0.625 Inc CP Industries 1816 X0 Inch 0.625 Inc CP Industries 1816 X0 Inch 0.625	No. No. No. Co. Co. No.	PS 815413-9 003002000 293-9 PS 815603-4 003002000 293-9 PS 815003-2 001000100 293-9 PS 815003-2 001000100 400 PS 815021-4 003002001 400 PS 815003-4 003002000 400 PS 915003-4 003005000 400	9 FT 38.9 D FT 38.4	FT 299-07914 DJP SAWA 3270M FT 299-07815 DJP SAWA 3270M FT 299-07716 DJP SAWA 3270M FT 409-07817 DJP SAWA 3270M FT 299-07815 DJP SAWA 3270M FT 409-07937 DJP SAWA 3270M	PS.26 4525189500 PS.26 4525189500 PS.26 4525189500 PS.26 4525189500 PS.26 4525189500 PS.26 4525189500	SHIPPED TO SHAW BEVEL	STRANGHT CUT Thursday, October 19, 2023.	N/A N/A N/A N/A N/A N/A T N/A	Friday, October 20, 2022 Friday, October 20, 2022 Friday, October 20, 2022 Friday, October 30, 2023 huruday, October 19, 2023 huruday, October 19, 2023 Friday, October 20, 2023	Friday, October 20, 2023 Friday, October 20, 2023	Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu	WRONG SUPPING TALLY AND TA
CP Industries 1816 X0 Inch 0.625 Inc CP Industries 1816 X0 Inch 0.625 Inc CP Industries 1816 X0 Inch 0.625	No. No. No. Co. Co. No.	PS 815413-9 003002000 293-9 PS 815603-4 003002000 293-9 PS 815003-2 001000100 293-9 PS 815003-2 001000100 400 PS 815021-4 003002001 400 PS 815003-4 003002000 400 PS 915003-4 003005000 400	9 FT 38.9 D FT 38.4	FT 299-07914 EXP SAWL 370M	PS.26 4525189500 PS.26 4525189500 PS.26 4525189500 PS.26 4525189500 PS.26 4525189500 PS.26 4525189500	SHIPPED TO SHAW BEVEL	STRANGHT CUT Thursday, October 19, 2023.	N/A N/A N/A N/A N/A N/A T N/A	Friday, October 20, 2022 Friday, October 20, 2022 Friday, October 20, 2022 Friday, October 30, 2023 huruday, October 19, 2023 huruday, October 19, 2023 Friday, October 20, 2023	Friday, October 20, 2023 Friday, October 20, 2023	Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu Raj Agyakannu	WIGHES SUPPING TALLY WEIGHS SUPPING TALLY
CP Industries EEEE	Hom APSPECE COLSTS (B-18 282)	P2 81641-4 800000300 331. P3 816601-4 800000300 331. P3 816601-5 80000000 336. P3 816601-5 800000000 360. P3 816601-5 8000000000000000000000000000000000000	9 FT 38.9 D FT 38.4	FT 280-07014 DDP SAWA JODN FT 280-07015 DDP SAWA JODN FT 280-07015 DDP SAWA JODN FT 480-07015 DDP SAWA JODN FT 480-07015 DDP SAWA JODN FT 480-07015 DDP SAWA JODN FT 480-07010 DDP SAWA JODN FT 480-07010 DDP SAWA JODN FT 380-07010 DDP SAWA JODN FT 380-07010 DDP SAWA JODN FT 580-07010 DDP SAWA JODN FT 580-07010 DDP SAWA JODN	P9.26 42518501	SHIPPED TO SHAW BEVEL	STRAGGIT CUT Thursday, October 19, 2023	N/A N/A N/A N/A N/A 1 N/A 1 N/A 1 N/A 1 N/A 1	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 10, 2023 Friday, October 19, 2023 Friday, October 19, 2023 Friday, October 19, 2023 Brunday, October 19, 2023 Brunday, October 19, 2023 Brunday, October 19, 2023	Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu	WINONG SUPPOSE TALLY WHO SUPPOSE TALLY
CP Industries EEEE	Hom APSPECE COLSTS (B-18 282)	P2 81641-4 800000300 331. P3 816601-4 800000300 331. P3 816601-5 80000000 336. P3 816601-5 800000000 360. P3 816601-5 8000000000000000000000000000000000000	9 FT 38.9 D FT 38.4	FT 280-07014 DDP SAWA JODN FT 280-07015 DDP SAWA JODN FT 280-07015 DDP SAWA JODN FT 480-07015 DDP SAWA JODN FT 480-07015 DDP SAWA JODN FT 480-07015 DDP SAWA JODN FT 480-07010 DDP SAWA JODN FT 480-07010 DDP SAWA JODN FT 380-07010 DDP SAWA JODN FT 380-07010 DDP SAWA JODN FT 580-07010 DDP SAWA JODN FT 580-07010 DDP SAWA JODN	P9.26 42518501	SHIPPED TO SHAW BEVEL	STRAGGIT CUT Thursday, October 19, 2023	N/A N/A N/A N/A N/A 1 N/A 1 N/A 1 N/A 1 N/A 1	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 10, 2023 Friday, October 19, 2023 Friday, October 19, 2023 Friday, October 19, 2023 Brunday, October 19, 2023 Brunday, October 19, 2023 Brunday, October 19, 2023	Friday, October 20, 2023	Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu	WINONG SUPPOSE TALLY WHO SUPPOSE TALLY
CF Industries 1845 20 18-0	Market M	PS	9 FT 38.9 D FT 38.4	TT 200-0794 LDD 54845 17090 171 180-0795 LDD 54845 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 171 180-0795 LDD 54845 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 17	PRIOR #3318908	SHEPED TO SHAW BEVEL	STAMARIT CUT Thurstley, October 19, 2023	N(A) N(A) N(A) N(A) N(A) N(A) N(A) N(A)	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Hunday, October 19, 2023	Friday, October 30, 2023 Friday, October 30, 2023 Friday, October 30 2023 Friday, October 30 2023 Friday, October 30, 2023	Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu Raj Ayyakannu	WINONG SUPPOSE TALLY WHO SUPPOSE TALLY
CP Industries 1816 X	Market M	PS	30 FT 38.9 00 FT 38.4 4.4 FT 30.3 00 FT 30.9 10 FT 30.9 12 FT 30.9 10 FT	TT 200-0794 LDD 54845 17090 171 180-0795 LDD 54845 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 180-0795 LDD 54845 171 171 171 180-0795 LDD 54845 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 171 17	PRIOR #3318908	SHEPED TO SHAW BEVEL	STAMARIT CUT Thurstley, October 19, 2023	N(A) N(A) N(A) N(A) N(A) N(A) N(A) N(A)	Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Friday, October 20, 2023 Hunday, October 19, 2023	Friday, October 30, 2023 Friday, October 30, 2023 Friday, October 30 2023 Friday, October 30 2023 Friday, October 30, 2023	Faj Ayyakannu	MECHAS DEPOSE TALLY MECHAS DEPOSE TALLY MECHAS DEPOSE TALLY MECHAS DEPOSE TALLY YEARS OF THE MECHAS DEPOSE TALLY
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Trans Mountain Expansion Project	
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ATTACHMENT 1 VENDOR LIST DEVIATION REQUEST FORM

VENDOR NAME AND CONTACT INFORMATION:		
Berg Pipe Panama City Corp		
WHAT RFQ PACKAGES WILL THIS VENDOR BID ON?		
19731-506-MRQ-00077 Rev0_Additional NPS 30 pipe	Signed	
HAS THIS VENDOR ACHIEVED THE PROJECT PRE-QUALIF	ICATION REQUIREMEN	TS: YES 🗹
NO 🗆		
COMMENTS / JUSTIFICATION / DETAILS:		
Detailed justification can be found in Design Change No	otice	
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Daniel Rideout 🔼 🥌	YES X NO □	2023-11-29
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TRANSMOUNTAIN 01-13283-GG-0000-RPT-PR-0003

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ATTACHMENT 1 VENDOR LIST DEVIATION REQUEST FORM

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RAY DOERING R.D.	YES NO]	281/64,2023	
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Trans Mountain Expansion Project

 Date:
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Approved Vendor List Deviation Procedure

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Trans Mountain	Expansion	Project
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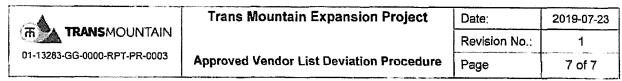
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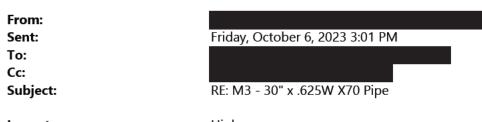
Approved Vendor List Deviation Procedure

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19731-506-MRQ-00077 Rev0_Additional NPS 30 pipe	Signed		
HAS THIS VENDOR ACHIEVED THE PROJECT PRE-QUALIF	ICATION REQUIREMEN	TS: YES Z	
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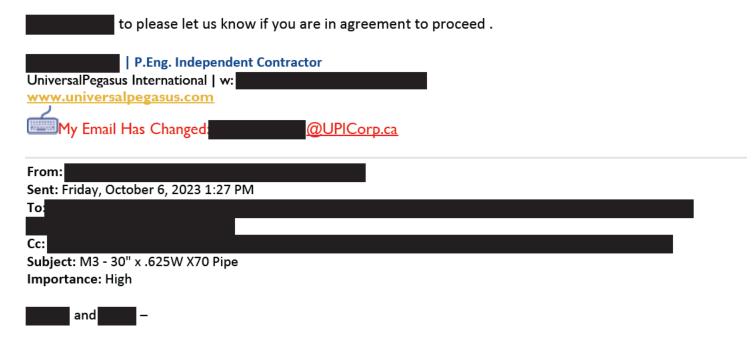


Importance: High



As per our discussion today, we will need to inspect the proposed pipe and confirm heat numbers to be able to estimate the time required for the Charpy testing which might be the time consuming issue in this process depending on the number of tests.

This is in addition to the other inspections requirements, i.e. dents, corrosion, etc as stated here below.



Per our discussion on the CVN value of Odeg.C on the offered pipe:

- The CVN should be retested to -6degC per TMEP Spec.
- The offered pipe is second-hand pipe, applied with ARO coating
- The pipe is from a cancelled project in the USA and some of it had been purchased by a USA stockist
- The status of the pipe should be inspected by a third party inspection company in order to ensure:
 - Pipe and Heat numbers are fully legible from the mill stencils (found in ID of pipe)
 - Ascertain all MTRs are available against the pipe/heat numbers
 - Ascertain how many heat numbers are entailed that make up the 1,261m/4,137ft requirement
 - Inspect for dents, gouges, excessive corrosion, ovality, etc.
- If the pipe deemed to be acceptable, pipe will require cutting (at yard in Three Rivers, TX) and coupons sent to a Houston lab for CVN testing. Each heat number would require testing.
- The testing and results would likely take 2-3 weeks

- Once CVN is verified to -6deg.C, pipe would be trucked up from TX to Shaw Coaters
- Shaw would require to strip off the existing ARO prior to coating to TMEP Spec. ARO removal requires some time.

Based on the above, please advise direction. Note that TPI out of Houston can be arranged very quickly as well as source reputable labs in Houston.

FYI, estimated cost of the subject pipe + trucking to Shaw from TX = C\$1,300,000.

Thanks,

Sr. Procurement Specialist, Pipeline, SCM Contractor/Consultant

E:]

Trans Mountain Corporation

Toll Free: 1.866.514.6700 | E:info@transmountain.com | W: transmountain.com

Follow: @TransMtn



From:

Sent: Friday, October 6, 2023 9:30 AM

To: Cc:

Subject: 30" x .625W X70 Pipe

Importance: High

- As per our conversation - I knew you be asking for MTRs so had my vendor (CFP) supply it per attached.

Please note:

- To replace the 12.7mm, the quantity rquired of the 15.9mm out of Houston is 1,261m/4,137ft
- I have asked CFP to go to the Houston stockist to confirm whether or not the pipe is still available (TBA)
- The Houston pipe is:

API 5L-X70 PSL-2 LSAW Coated with ARO DRL (one end of each joint may be square cut)

CVN 32F/0deg.C DWTT 14F/-10deg.C

Quantity available 2 weeks ago: 5800Ft

Manufacturer: Berg USA

Plate Manufacturer: Arcelor-Mittal (AMA)

• May require CVN testing to have a lab in Houston verify/certify to -5deg.C for each heat found within the 4,137ft

This could possibly take min. 2-3weeks (to cut coupons, take samples to lab, do testing, wait for results), unless engineering justification can be made to get this waived Regards, Sr. Procurement Specialist, Pipeline, SCM Contractor/Consultant **Trans Mountain Corporation** Toll Free: 1.866.514.6700 | E:info@transmountain.com | W: transmountain.com Follow: @TransMtn TRANSMOUNTAIN From: Sent: Friday, October 6, 2023 9:06 AM Subject: 30" x .625W X70 Pipe WARNING: This email originated from outside of Trans Mountain. Do not click links or open attachments unless you recognize the sender and know the contents are safe. If you are unsure, press the "Report Message > Phishing" button from this email or forward this e-mail to the Report Phish mailbox. Approx 5845' 30" X.625 API 5LX70 ARO CTD BERG M&M NO MID WELDS-Technical notes: API 5L X70 PSL2 LSAW CVN 32F (0C) **DWTT 14F (-10C)** Sr. Vice President

^{**}PLEASE NOTE NEW OFFICE PHONE NUMBER BELOW**



Creating Value Through Innovative Solutions

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