### SUPPLIER DOCUMENT COVER SHEET



### 233124 PSC Modifications **Imperial Oil Resources Limited**



		Supplier Nan	ne:	PENTICTON FO	JND	RY LTD.			
	Purchase Order Title:		MISC-K2 CWI PIPING						
	Equipment / Tag Number(s):			SP-K3492					
	Supplier Document No:			1397868-B91-0003					
	Supplier's Revision Record								
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	Rev.	Sept. 05, 2018 <b>Date</b>		For Review  Issue		Penticton By	Checked	Approved	-
	IVGA:	Date		issue		Бу	Criecked	Approved	<u>_</u>
	Project Document Number								
	Project No. Pui		Pur	chase Order No.	e Order No.			Seq. No.	
	233124		1397868		- B91 -		0003		
DOCUMENT TITLE: RFI – NPS 24X26 FROTH SPOOL REDUCER									
SUPPLIER DOCUMENT REVIEW									
Purchaser's review of Supplier's documents does not relieve Supplier of the responsibility for correctness under the									
Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods									
	or materials developed or selected by the Supplier and does not relieve the Supplier from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.								
	Purchaser's review status as per tick the appropriate box:  Purchasers review / reviewer								
i -	CODE 1:	appropriate box		, 41			$\dashv$		

Purchaser's review status as per tick the appropriate box:			Purchasers review / reviewer		
	CODE 1:	No Comments	Date Signatu		
	CODE 2:	Reviewed with Minor Comments	Date Signature		
	CODE 3:	Reviewed with Comments			
	CODE 4:	Rejected	Sept 28/18		
	CODE 5:	Superseded			
	CODE 6:	Void			
	CODE 7:	For Information			

Should the Supplier consider that any comments made by the Purchaser change the Scope of Supply, the Supplier shall advise the price and delivery implications of such changes within five working days of receipt. The Supplier must not incorporate such changes without prior approval of the Purchaser of the revised price and/or delivery period. RETROSPECTIVE CLAIMS WILL NOT BE CONSIDERED.

Follow IOL response to RFI

Supplier - Purchaser Interface Data Freeze				
MCDERMOTT Name:		Signature:	Date:	
The document consists of this front sheet plus 4 pages.				

pages.

Form Number: 233122-870-02-FM-30003 Issued for Use: 16 Dec 2010 Page 1 of 1



September 05, 2018

Subject: NPS 24X26 Froth Spool Reducer

#### SP-K3492

Drawing 074-2300-080-141-009 01 rev 0, (*Figure 1*), shows liner tapering down to 0 thickness. Supplier cannot achieve this taper depicted.

Supplier instead proposes another option:

See A1-18001 Spool SP-C3635 comparison sketch (*Figure 2*) spool depicted on the bottom of the drawing boxed in red (section B-B). One end has a 24" flange and the other ad 26" flange, while the pipe between the flanges is 26". The liner ID reduces from 22 5/8" to 21" as shown on the sketch, in order to match the ID on the inlet of the froth elbow spool it connects to. Please note that the centerline of this proposed option is not offset as shown on 074-2300-080-141-009 01 rev 0. Supplier requests if this option described above is acceptable.

### Comments:

The Proposed solution as shown in Figure 2 (Section B-B shown in comparison sketch) is acceptable.

Please ensure the following changes are captured by all affected parties and are reflected in all engineering deliverables:

- 1) Eccentric reducer spool is changed to straight spool reducer with 22 5/8" x 21" liner ID as per Attachment 4. One end of spool will have 24" CL 150 custom flange and other end as 26" CL 150 Flange.
- 2) TOS for the shoe needs to be lowered to account for the change from eccentric reducer to Modified 26 x 24 straight reducer as per Attachment 1.

  3) Pipe support loads at support locations have changed as per Sketch attached (Attachment 2)



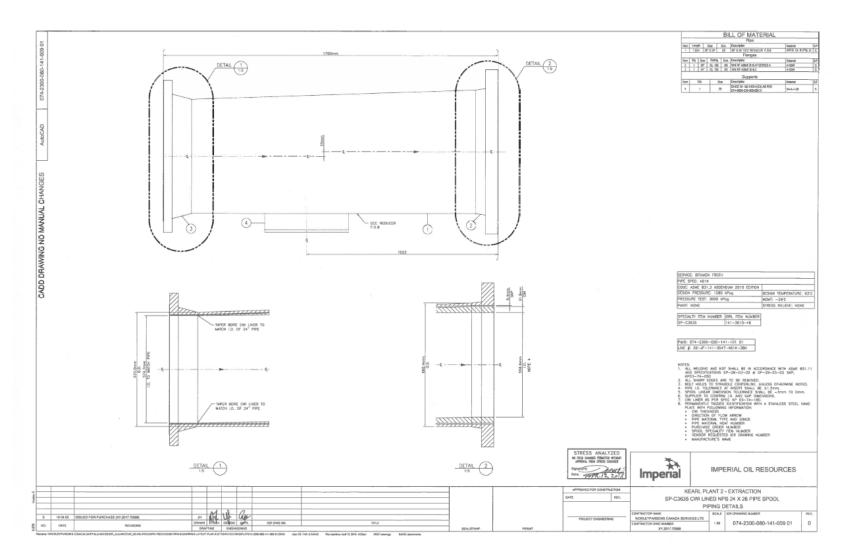


Figure 1: 074-2300-080-141-009 01 Rev 0



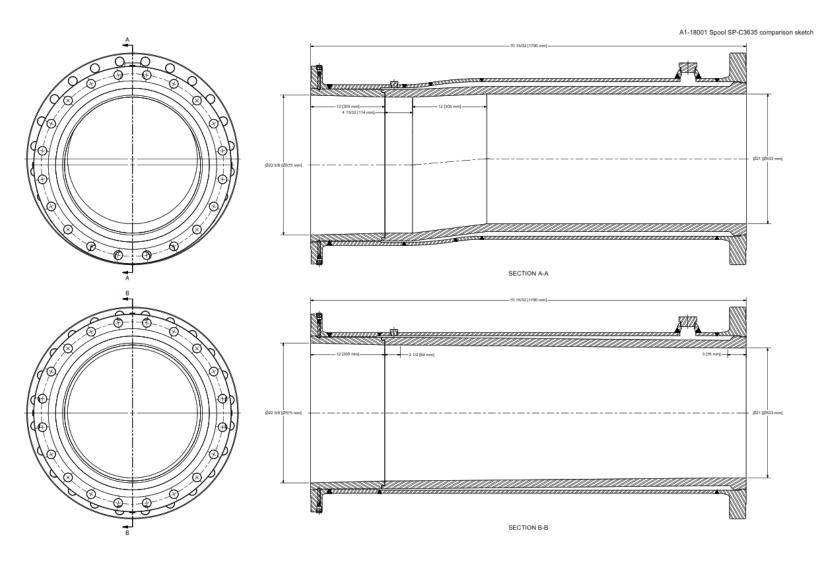


Figure 2: A1-18001 Spool SP-C3635 comparison sketch



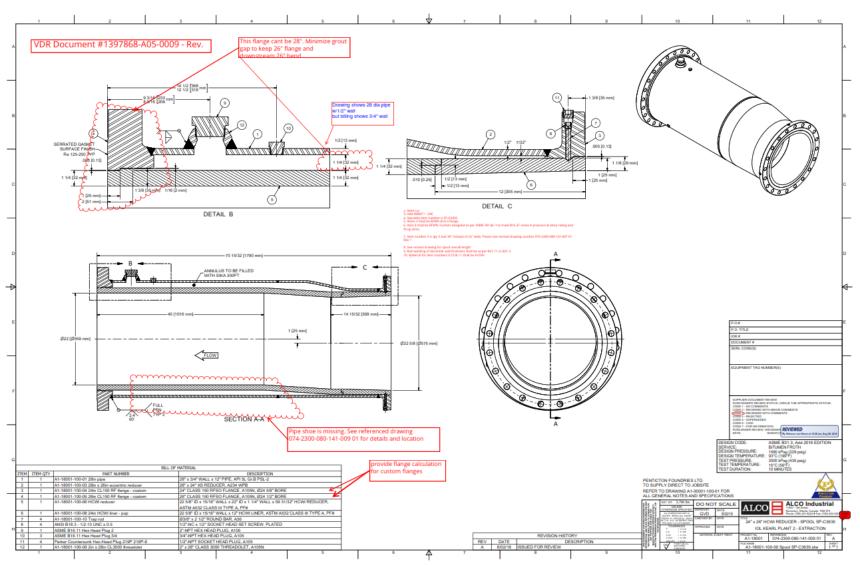


Figure 3: 1397868-A05-0009 - SP-C3635 - Markup

### Response to RFI 1397868-B91-003





MAIL TYPE
General Correspondence

MAIL NUMBER
WORLEYP-GNC-000232

REFERENCE NUMBER IO-PP-GNC-002587

Re: KPIC-K2 PSC - Froth CWI Lined Pipe ID

From Mr Vijay Pathania - WorleyParsons

To Mr Narjeet Sindhu - ExxonMobil

Cc (8) Mrs Christina Comanescu - ExxonMobil

Mr Chris Marianayagam - ExxonMobil

Mr Paul Reid - ExxonMobil

Mr Patrick Sundy - ExxonMobil

Mr Vijay Pathania - WorleyParsons

Mr Jaerin Kim - WorleyParsons

Mr Manish Mundada - WorleyParsons

Rhett Read - WorleyParsons

Sent Wednesday, September 19, 2018

**DETAILS** 

Facility Kearl

Project XY.2017.70588 - KPIC - K1 PSC Availability

### **MESSAGE**

Narjeet,

Response is attached. Please note there is a slight increase in the loads at support 3900.

Regards Vijay

From: N Sindhu

Sent: 9/12/18 10:40:00 AM PDT (GMT -07:00)

To: Rhett Read

Cc: Christina Comanescu, Chris Marianayagam, Paul Reid, Patrick Sundy, Manish Mundada, Vijay Pathania

Mail Number: IO-PP-GNC-002594

**Subject:** Re: KPIC-K2 PSC - Froth CWI Lined Pipe ID

Facility:	Kearl			
Project:	XY.2017.70588 - KPIC - K1 PSC Availability			

Attached RFI separately with this mail.

Regards Narjeet

From: N Sindhu

**Sent:** 9/11/18 8:48:05 AM MDT (GMT -06:00)

To: Rhett Read

Cc: Christina Comanescu, Chris Marianayagam, Paul Reid, Patrick Sundy, Manish Mundada, Vijay Pathania

Mail Number: IO-PP-GNC-002587

Subject: KPIC-K2 PSC - Froth CWI Lined Pipe ID

Facility:	Kearl		
Project:	XY.2017.70588 - KPIC - K1 PSC Availability		

#### Rhett

Please find attached Penticton vendor RFI regarding Froth transfer CWI lined pipe spool. Could you please confirm if the proposed solution is acceptable. Also include in your response the velocity impact due to smaller pipe ID.

Regards Narjeet

