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PURCHASE ORDER

Client:	Canadian Natural Resources Limited		
Project Name:	Umbach Compressor Station Upgrade		
Project No:	201-09-00	Revision: Rev H	
Legal Site Description:	c-18-F/94-H-3		
A.F.E.:	FC111257		
Effective Date:	Friday, December 14, 2012		

Canadian Natural Resources Limited

Purchase Order: 201-09-00 - 0001

Revision: 0

Client A.F.E #: FC111257

c/o EQUINOX ENGINEERING LTD.
10th Floor, 909 - 5th Avenue SW
Calgary, Alberta
Canada T2P 3G5

Committed Date:

Authorized By: Sterling Street	Ordered By: Amanda Zeleny	Requisitioned By: Jasneet Minhas	Terms: Net 30 days
To: Tank Life Cradles Ltd. Address: 2032 Crocus Rd. NW Calgary AB CAN T2L 0Z8 Attention: Ted Corzier Telephone: 403-269-5525 facsimile: Email: ted.crozler@tanklife.com	Ship To: Please contact Amanda Zeleny@ 403-298-9344 for shipping instructions		
Quotation #: TEC-1220.1 Issue Date: December 14, 2012	R.T.S. Date: February 01, 2013 IncoTerm: FCA: Kathryn, AB		

Item	Tag No.	Client Code	Internal Code	Description	Units	Price	UOM	Cost	Rev
1	0	24080	24080	HIGH PRESSURE FLARE KNOCKOUT DRUM IN ACCORDANCE WITH THE ATTACHED DATASHEETS (DS-C-400-F-1-00), OTHER DOCUMENTS AS LISTED IN LOTA (LT-C-400-F-01-00), AND VENDOR QUOTE # TEC-1220.1	1	\$36,675.00	EA	\$36,675.00	0
2	0	24080	24080	HYDROTEST TO 50 PSIG	1	\$600.00	EA	\$600.00	0
3	0	24080	24080	3" 150# INTERSTITIAL JACKETED VACUUM RISER W/ NEOPRENE GASKET, SET OF 3" 150# UNDERGROUND BOLT-UP 4 - 5/8" X 3.5" STUDS / 8 HEX NUTS	1	\$250.00	EA	\$250.00	0
4	0	24080	24080	8" DIAMETER 150# RF T321SS FLEX CONNECTORS FLANGED INLET END	1	\$1,200.00	EA	\$1,200.00	0
5	0	24080	24080	ADDER FOR OUTLET NOZZLE SIZE CHANGE FROM 8" TO 10" DIAMETER.	1	\$2,550.00	EA	\$2,550.00	0
6	0	24080	24080	10" DIAMETER 150# RF T321SS FLEX CONNECTORS FLANGED OUTLET END	1	\$1,800.00	EA	\$1,800.00	0
7	0	24080	24080	3" 150# PUMPOUT RISER W/ FLEXATALLIC GASKET, SET OF 3" 150# UNDERGROUND BOLT-UP 4 - 5/8" X 3.5" STUDS / 8 HEX NUTS	1	\$250.00	EA	\$250.00	0
8	0	24080	24080	4" 150# LEVEL GAUGEBOARD RISER W/FLEXATALLIC GASKET, SET OF 4" 150# UNDERGROUND BOLT-UP 8 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$275.00	EA	\$275.00	0
9	0	24080	24080	4" 150# SPARE RISER, SET OF 4" 150# UNDERGROUND BOLT-UP 8 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$275.00	EA	\$275.00	0
10	0	24080	24080	6" 150# BURST RISER, SET OF 6" 150# UNDERGROUND BOLT-UP 10 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$325.00	EA	\$325.00	0
11	0	24080	24080	TGS 5020 GAUGE KITS W/ 4" FLANGE MOUNT W/ FLEXATALLIC GASKET, SET OF 4" 150# SURFACE BOLT-UP 8 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$1,359.00	EA	\$1,359.00	0

Manager: Sterling Street

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Print Date: 12/14/2012

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12	0	24080	24080	AT200 LEVEL TRANSMITTER FOR A 8FT TGS 5020 LEVEL BOARD C/W HART PROTOCOL & LOCAL DISPLAY	1	\$3,995.00	EA	\$3,995.00	0
13	0	24080	24080	PUMP-OUT ENVIRO BOX FOR 3" CONNECTION W/ 3" SS BALL VALVE & CAMLOCK ADAPTER W/ COVER	1	\$1,075.00	EA	\$1,075.00	0
14	0	24080	24080	LATCHING PROXIMITY SWITCHES C/W MOUNTING BRACKETS	1	\$493.00	EA	\$493.00	0
15	0	24080	24080	DEVOE 253 INTERNAL COATING ON ALL STL RISERS SHOWN ABOVE	1	\$1,500.00	EA	\$1,500.00	0
16	0	24080	24080	DEVOE 253 INTERNAL COATING ON STL NOZZLES ON ABOVE SHOWN FKO	1	\$600.00	EA	\$600.00	0
17	0	24080	24080	UNDERGROUND PILE MOUNT SKID FRAME FOR POOR GROUND CONDITIONS	1	\$2,000.00	EA	\$2,000.00	0
18	0	24080	24080	TRUCK LOADING BY TANK-LIFE (28,000 LBS)	1	\$375.00	EA	\$375.00	0
19	0	24080	24080	LOW PRESSURE FLARE KNOCKOUT DRUM IN ACCORDANCE WITH THE ATTACHED DATASHEETS (DS-C-400-F-2-00), OTHER DOCUMENTS AS LISTED IN LOTA (LT-C-400-F-01-00), AND VENDOR QUOTE # TEC-1220.1	1	\$36,675.00	EA	\$36,675.00	0
20	0	24080	24080	HYDROTEST TO 50 PSIG	1	\$600.00	EA	\$600.00	0
21	0	24080	24080	3" 150# INTERSTITIAL JACKETED VACUUM RISER W/ NEOPRENE GASKET, SET OF 3" 150# UNDERGROUND BOLT-UP 4 - 5/8" X 3.5" STUDS / 8 HEX NUTS	1	\$250.00	EA	\$250.00	0
22	0	24080	24080	8" DIAMETER 150# RF T321SS FLEX CONNECTORS FLANGED BOTH ENDS	2	\$1,200.00	EA	\$2,400.00	0
23	0	24080	24080	3" 150# PUMPOUT RISER W/ FLEXATALLIC GASKET, SET OF 3" 150# UNDERGROUND BOLT-UP 4 - 5/8" X 3.5" STUDS / 8 HEX NUTS	1	\$250.00	EA	\$250.00	0
24	0	24080	24080	4" 150# LEVEL GAUGEBOARD RISER W/FLEXATALLIC GASKET, SET OF 4" 150# UNDERGROUND BOLT-UP 8 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$275.00	EA	\$275.00	0
25	0	24080	24080	4" 150# SPARE RISER, SET OF 4" 150# UNDERGROUND BOLT-UP 8 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$275.00	EA	\$275.00	0
26	0	24080	24080	6" 150# BURST RISER, SET OF 6" 150# UNDERGROUND BOLT-UP 10 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$325.00	EA	\$325.00	0
27	0	24080	24080	TGS 5020 GAUGE KITS W/ 4" FLANGE MOUNT W/ FLEXATALLIC GASKET, SET OF 4" 150# SURFACE BOLT-UP 8 - 5/8" X 3.5" STUDS / 16 HEX NUTS	1	\$1,359.00	EA	\$1,359.00	0
28	0	24080	24080	AT200 LEVEL TRANSMITTER FOR A 8FT TGS 5020 LEVEL BOARD C/W HART PROTOCOL & LOCAL DISPLAY	1	\$3,995.00	EA	\$3,995.00	0
29	0	24080	24080	PUMP-OUT ENVIRO BOX FOR 3" CONNECTION W/ 3" SS BALL VALVE & CAMLOCK ADAPTER W/ COVER	1	\$1,075.00	EA	\$1,075.00	0
30	0	24080	24080	LATCHING PROXIMITY SWITCHES C/W MOUNTING BRACKETS	1	\$493.00	EA	\$493.00	0
31	0	24080	24080	DEVOE 253 INTERNAL COATING ON ALL STL RISERS SHOWN ABOVE	1	\$1,500.00	EA	\$1,500.00	0
32	0	24080	24080	DEVOE 253 INTERNAL COATING ON STL NOZZLES ON ABOVE SHOWN FKO	1	\$600.00	EA	\$600.00	0
33	0	24080	24080	UNDERGROUND PILE MOUNT SKID FRAME FOR POOR GROUND CONDITIONS	1	\$2,000.00	EA	\$2,000.00	0
34	0	24080	24080	TRUCK LOADING BY TANK-LIFE (28,000 LBS)	1	\$375.00	EA	\$375.00	0
Total lump sum price ('excluding all taxes')								\$108,044.00	CAD

Manager: Sterling Street

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Print Date: 12/14/2012

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Effective Date:	Friday, December 14, 2012	

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Freight Charges are extra unless otherwise specified.
 By accepting this order you agree to all the terms and conditions herein attached.

****All invoices must reference this P.O.# and A.F.E.#.
 Each invoice line must also reference both Canadian Natural Resources Limited coding
 and EQUINOX ENGINEERING LTD. coding.****

Please forward invoice(s) to:

Canadian Natural Resources Limited
 c/o EQUINOX ENGINEERING LTD.
 10th Floor, 909 - 5th Avenue SW Calgary, Alberta
 Canada T2P 3G5

Client Order Authorization: Canadian Natural Resources Limited

Date

Manager: Sterling Street

Print Date: 12/14/2012



COST DECISION SUMMARY

Umbach Project

INQUIRY #: 201-09-00-0001 LSD: c-18-F/94-H-3 DATE: 13-Dec-12

EPC COMPANY: Equinox Engineering Ltd. AFE # FC111257 TAG #: TBD

WORK DESCRIPTION: HP & LP FKOD EPC PROJECT #: 201-09-00

CHANGEORDER NO # 0 201-09-00-0001 Rev. No. _____

SOLE SOURCE BID APPROVAL ON FILE IF NOT ATTACH SOLE SOURCE JUSTIFICATION

BIDDERS NAMES	BID PRICE	Currency	Ex. Rate	EQUALIZED BID PRICE (CAD)	DELIVERY DATE
1) Tank-Life Cradles Ltd.	\$73,350.00 + Options	CAD	1.00	\$108,044.00	Feb. 1st, 2013
2)					
3)					
4)					
5)					
6)					
7)					
8)					

	Holdback? Y/N	Province / Country:		A: THIS AWARD VALUE	\$108,044.00
	n	BC/CA		B: PREVIOUSLY APPROVED	
				C = A + B TOTAL PO VALUE	\$108,044.00

RECOMMENDATION & AWARD TO: Tank-Life Cradles Ltd.

1. The cradle feature provides support and stability to the fibreglass tank unlike standard designs.
2. The cradle design is patented.
3. Vendor meets project schedule.
4. Price is reasonable.

COST EVALUATION: (All values here are in Canadian Dollars)

CLIENT CODE: _____
EQUINOX CODE: 24080

D: TOTAL AVAILABLE BUDGET -	→	
C: TOTAL PO VALUE -	→	\$108,044
D-C SAVING / (OVERRUN)	→	(\$108,044)

SCHEDULE EVALUATION:

DELIVERY DATE - 5 weeks incld drawings

COST & SCHEDULE COMMENTS:-

Meets our schedule and budget.

DESIGNATION	SIGNATURE	PRINT NAME	DATE
Prepared By:		Jasneet Minhas	<u>Dec 13/2012</u>
Project Approval:		Patrick Perera	<u>Dec 13/2012</u>
Client Approval:	_____	Rob Beckner	_____
		Brad Young	
		Kerry Novinger	



Tank-Life™ Cradles Ltd.

A solution to the challenges associated with fiberglass storage tanks.

Ph: (403) 269-5525 web: www.tanklife.com
 Fax: (403) 269-5526 e-mail: ted.crozier@tanklife.com
 2032 Crocus Road N.W., Calgary, Alberta, Canada T2L 0Z8

QUOTE

Sales name: Ted Crozier
No.: TEC-1220.1
Date: 14-Dec-12
Page: 1 of 1
Delivery: Stock to 8 weeks
 After Drwg. Approval

Bid To: CNRL
 c/o Equinox Engineering
 Calgary, Alta

Ship To: Hold for Pick Up Tank-Life Yard, Kathryn
Project: Umbach Compressor Station Upgrade-CNRL
LSD: c-18-F/94-H-3
RFQ#: 210-09-0001HP & LP FKOD'S
Service#: Sour LP & HP FKOD ALTERNATE QUOTE

Attn: Amanda Zeleny Ph# 298-9344
Business No.: 867529968 e-mail: axeleny@equinox-eng.com

GST Number: 867529968

Item	Quantity	Description: 100 BBL Belowground FKO 14.9 psi design Alternate HP & LP FKO	Unit Price	Amount
1	2	Unit-FKO 100 BBL Re-usable Double Wall Fiberglass Tank and Cradle Below-ground P86DW 100 BBL Fiberglass ZCL FKO Tank 8'Dia. 1 - 8" 150# RFWN Dome Inlet w/ FRP Deflector 1 - 8" 150# RFWN Dome Outlet w/ FRP Deflector 1 - 4" 150# RFWN Spare/pump Flange 1 - 6" 150# RFWN Burst Head Flange 1 - 4" 150# RFWN Flange w/ 4" PVC Slotted Stillwell 1 - 3" 150# RFWN Flange w/ 3" PVC Stinger 1 - 3" 150# FF Fiberglass Interstitial Monitor w/ Vacuum Gauge Assembly (double wall) All nozzles are supported by galvanized beams or galvanized angle for full support Galvanized steel exterior for pre-installed system As per drawing 100-8-BG-FKO-TLC3	\$ 36,675.00	\$ 73,350.00
1a	2	Hydrotest to 50 psig	\$ 490.00	\$ 980.00
2	2	3" 150# Interstitial Jacketed Vacuum Riser w/ Neoprene Gasket Set of 3" 150# Underground Bolt-Up 4 - 5/8" x 3.5" Studs / 8 Hex Nuts	\$ 250.00	\$ 500.00
3	3	8" diameter x 36" long 150# RF T321SS Flex connectors flanged both ends	\$ 1,200.00	\$ 3,600.00
4	1	10" diameter x 36" long 150# RF T321SS Flex connectors flanged both ends	\$ 1,800.00	\$ 1,800.00
		Optional accessories		
5	1	Ship one 100bbl FKO (HP) to Edmonton to have the following modifications done Remove 8" RFWN Flange (Flare) from existing FKO and replace with 10" RFWN Flange Retest FKO and ship back to Tank Life Cradles yard and complete packaging (4-5 weeks after drawing approval)	\$ 2,550.00	\$ 2,550.00
6	2	3" 150# Pumpout Riser w/ Flexatallic Gasket Set of 3" 150# Underground Bolt-Up 4 - 5/8" x 3.5" Studs / 8 Hex Nuts	\$ 250.00	\$ 500.00
7	2	4" 150# Level Gaugeboard Riser w/Flexatallic Gasket, Set of 4" 150# Underground Bolt-Up 8 - 5/8" x 3.5" Studs / 16 Hex Nuts	\$ 275.00	\$ 550.00
8	2	4" 150# Spare Riser, Set of 4" 150# Underground Bolt-Up 8 - 5/8" x 3.5" Studs / 16 Hex Nuts	\$ 275.00	\$ 550.00
9	2	6" 150# Burst Riser, Set of 6" 150# Underground Bolt-Up 10 - 5/8" x 3.5" Studs / 16 Hex Nuts	\$ 325.00	\$ 650.00
10	2	TGS 5020 Gauge Kits w/ 4" Flange Mount w/ Flexatallic Gasket Set of 4" 150# Surface Bolt-Up 8 - 5/8" x 3.5" Studs / 16 Hex Nuts	\$ 1,359.00	\$ 2,718.00
10a	2	4" 150# Flange Mount for TGS 800 w/ Nuts and Bolts	Inc.	
10b	2	AT200 level transmitter for a 8ft TGS 5020 level board c/w hart protocol & local display (delivery 6-8 weeks if no stock available)	\$ 3,995.00	\$ 7,990.00
11	1	Pump-Out Enviro Box for 3" Connection w/ 3" Clipgate & Camlock Adapter w/ cover	\$ 875.00	
or 11a	2	Pump-Out Enviro Box for 3" Connection w/ 3" SS Ball Valve & Camlock Adapter w/ cover	\$ 1,075.00	\$ 2,150.00
12	4	Latching proximity switches c/w mounting brackets	\$ 493.00	\$ 1,972.00
13	2	Devoe 253 internal coating on all STL risers shown above (1-week delivery)	\$ 1,500.00	\$ 3,000.00
14	2	Devoe 253 internal coating on STL nozzles on above shown FKO (1-week delivery)	\$ 600.00	\$ 1,200.00
15	2	SMR-Tek 4vkl-4 pump, 2 HP exproof electric motor 2 phase 230/460 Vac 20 USGM, 60-80 FT-TDH, 64" Below flange face (2-4 weeks delivery)	\$ 6,600.00	
16	2	Underground pile mount skid frame for poor ground conditions	\$ 2,000.00	\$ 4,000.00
17	2	Truck Loading by Tank-Life (28,000 lbs)	\$ 375.00	\$ 750.00
Comments			Subtotal	\$ 108,810.00
Accounts due 30 days from invoice date. FOB :Tank-Life Yard, Kathryn, Alberta			GST @5%	\$ 5,440.50

	Total Amount :	\$ 114,250.50
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