


 <b>MEG ENERGY</b>	<b>CHRISTINA LAKE REGIONAL PROJECT</b> <b>Phase 3A EPC for Central Plant Facilities</b> <b>SLI Project No. 511036</b>	 <b>SNC-LAVALIN</b>

 <b>SNC-LAVALIN</b>	<input type="checkbox"/> A1 Not suitable to initiate fabrication. modify as noted, resubmit for review <input type="checkbox"/> B1 Suitable to initiate fabrication as noted. modify as noted, resubmit for review <input checked="" type="checkbox"/> C1 Suitable to fabricate to completion as noted. submit final documents including as-builts as required <input type="checkbox"/> D1 Suitable to fabricate to completion. submit final documents including as-built documents as required <input type="checkbox"/> E1 Not suitable as final documents as noted. modify as noted and resubmit. <input type="checkbox"/> F1 Suitable as final documents. no further resubmittal required (unless revised by vendor) <input type="checkbox"/> VX Vendor document cancelled.		
	Vendor's drawing review for conformity with specifications and design drawing.		
This review does not relieve the vendor of his responsibility for errors in design and detailing as detailed in his contract.			
Vendor: Sewon Cellontech Co. Ltd. - P00007		No.:D0644-COM-P-58	Rev: 1
Doc. Title:	D00.01 - COMPLETED BUYER'S EQUIPMENT DATA SHEET - Tag: 3A-V-574		
Client Code:		Project No: 511036	Date Rec'd: 2014/11/10
Reviewed by: C.Simons Date: 08 December 2014		Document No: P-5120-01-0140	Submittal: 02

 <b>SEWON CELLONTECH</b>	<b>DOCUMENT FOR EQUIPMENT</b>	SWC JOB NO	D-0644
		ITEM NO.	3A-V-574
		SWC DOC. NO.	D0644 -COM-P-58

 <b>MEG Energy Corp.</b>		 <b>SNC • LAVALIN</b>	
<b>P.O NO.</b>	<b>P-5120-01</b>		
<b>PROJECT NAME</b>	<b>CHRISTINA LAKE REGIONAL</b>		
<b>PROJECT NO.</b>	<b>508298</b>		
<b>DOCUMENT TITLE</b>	<b>Completed Buyer's Equipment Data Sheet</b>		
<b>CODE</b>	<b>D00.01</b>		
<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>		
<b>3A-V-574</b>	<b>Dry Instrument Air Receiver</b>		

**FOR APPROVAL**



- Total Sheet : 4 Sheet (Including This Cover)

1	G.S.GIM 10/29/14	X	For HHCHO 10/29/14	SECOND ISSUE
0	G.S.GIM	B.J.KIM	H.H.CHO	FIRST ISSUE
REV.	PREPARED BY	REVIEWED BY	APPROVED BY	DESCRIPTION

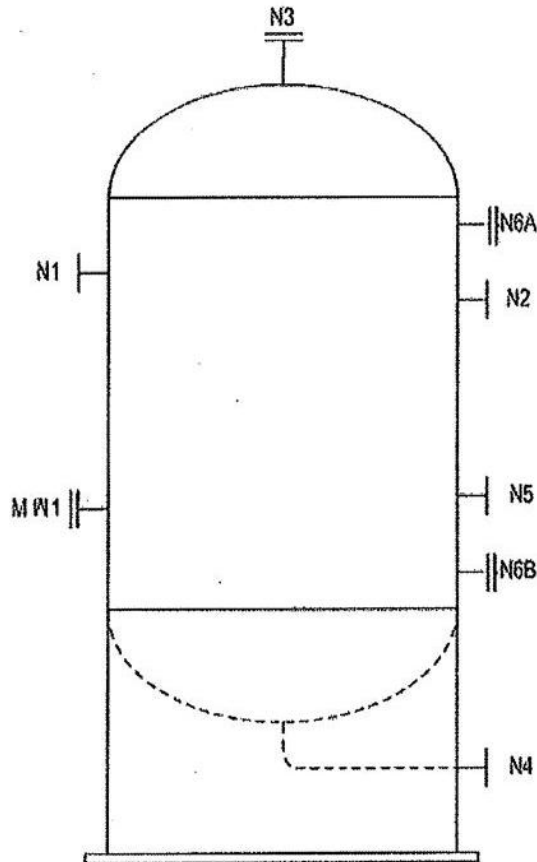
**SEWON CELLONTECH CO.,LTD.**

2B4X



PRESSURE VESSEL DATA SHEET					Data Sheet No.:		DS-CL03A-C-500-V574		
Specification No.:			085354-3010-PV-10			Requisition No.:		508298-000-45-MR-5120-0001	
CONNECTION SCHEDULE									
Mark	Nominal Size NPS	Qty	Flange		Service	Projection (Note 9) (mm)			
			ASME Class	Type					
N1	6	1	150	RFWN	Inlet	Note 9			
N2	6	1	150	RFWN	Outlet	Note 9			
N3	6	1	150	RFWN	Vent, c/w blind flange, gasket, bolts & nuts	Note 9			
N4	4	1	150	RFWN	Drain	Note 9			
N5	2	1	150	RFWN	Auxiliary Relief	Note 9			
N6A/B	2	2	150	RFWN	PIT c/w blind flange, gasket, bolts & nuts (Size shall be confirmed during detail engineering)	Note 9			
MW1	24	1	150	RFWN	Manway, c/w blind flange, gasket, bolts & nuts, davit	Note 9			
						Note 9			

VESSEL SKETCH



9) Nozzle projections shall be as per spec. 085354-3010-PV-10 as a minimum, and required projections shall be confirmed during detail engineering.

10) Skirt length (measured from bottom head weld seam to underneath of base ring) shall be 1800 mm. To be confirmed during detail engineering.

11) Deleted.

12) Deleted.

13) Deleted.

14) Deleted.

REVISIONS						MEG Energy Corp.		SNC-LAWALIN	
NO.	DATE	BY	CHK	APP	DESCRIPTION	PROJECT	MEG Energy Christina Lake Regional Project		
A	25-May-12	SM	RA	SP	Issued for Squad Check	JOB NO. 508298 LOCATION Inukjuat, Alberta	Phase 3 A		
B	13-Jun-12	SM	RA	SP	Issued for Quotation		TAG NO. JA-V-574		
0	15-Oct-12	SM	RA	SP	Issued for Purchase	PAGE 2 of 3			
1	28-Mar-13	WW	AH/RA	CS	Re-issued for Purchase				
2	5-Sep-13	WW	Charles S.	CS	Re-issued for Purchase				

511036

2B4X

PRESSURE VESSEL DATA SHEET				Data Sheet No.:		DS-CL03A-C-500-V574	
Specification No.:				Requisition No.:		508298-000-45-MR-5120-0001	
085354-3010-PV-10							
<b>PROCESS CONDITIONS</b>							
<b>OPERATING CASE</b>							
Fluid				Dry Air			
Operating Pressure		Max/Normal/Min	kPag	365/760/560			
Operating Temperature		Max/Normal/Min	°C	43			
Design Pressure			kPag	1034			
Design Temperature		Max/Min	°C	80/-29		△	
Slug/Surge Volume			m³				
Service (Sweet / Sour)							
<b>VAPOUR</b>							
Flowrate			Sm³/hr	3385 (Dry Air)		(Note 1)	
Density		43°C, and 760 Kpag	kg/m³	9.442			
Viscosity		43°C, and 760 Kpag	cP	0.0198			
Molecular weight		28.95					
<b>LIQUID AQUEOUS</b>							
Mass Flowrate			kg/h	0 (Normal)			
Density		43°C, and 760 Kpag	kg/m³	991			
Viscosity			cP	0.62			
<p>Notes:</p> <p>1) Vessel design flow is 3385 Sm³/h. However, max estimated flowrate is 3745 Sm³/h (IA Compressor Package Design Flow).</p> <p>2) The volume of the vessel should not be less than 156.5m³.</p>							
<b>REVISIONS</b>							
NO.	DATE	BY	CHK	APP	DESCRIPTION		
A	25-May-12	SM	RA	SP	Issued for Squall Check	PROJECT MEG Energy Christina Lake Regional Project	
B	13-Jun-12	SM	RA	SP	Issued for Quotation	Phase 3A	
0	15-Oct-12	SM	RA	SP	Issued for Purchase	JOB NO. 508298	TAG 3A-V-574
1	28-Mar-13	WW	AH/RA	CS	Re-issued for Purchase	LOCATION Franklin, Alberta	PAGE 3 of 3
2	5-Sep-13	WW	Charels S	CS	Re-issued for Purchase		

511036

2B4X