Page 1

From:	davidgreen@nalcorenergy.com
Sent:	Friday, February 3, 2012 4:34 PM
То:	victoriastanford@nalcorenergy.com; nicolecollins@nalcorenergy.com;
	markpeddle@nalcorenergy.com
Subject:	Fw: Nonconformance No. NC-0022 Transmittal of SLI Deliverables
Attachments:	L010-S011-200-170331-00161.pdf

FYI

**David green** 

QA Manager (Consultant) Lower Churchill Project

Nalcor Energy Suite 2, 350 Torbay Road St. John's, NL A1A 4E1 Canada T: 709-737-4219 T: 1-888-576-5454 e: davidgreen@nalcorenergy.com website: www.nalcorenergy.com

----- Forwarded by David Green/NLHydro on 02/03/2012 04:27 PM -----

From: LCPDCC/NLHydro

To: LCP - SNC, Clarence Hewitt/NLHydro@NLHYDRO

Date: 02/03/2012 03:14 PM

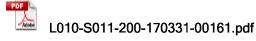
Subject: Re: Nonconformance No. NC-0022 Transmittal of SLI Deliverables Rec. No.L010-S011-200-170331-00161

Sent by: Leigh Anne Sutton

Please find attached complete letter as per Clarence's email below.



Leigh Anne Sutton Information Management Analyst Quality Department Nalcor Energy - Lower Churchill Project t. 709 737-4974 f. 709 754-0787 e. LeighAnneSutton@nalcorenergy.com w. nalcorenergy.com 1.888.576.5454



Clarence Hewitt---02/03/2012 02:59:55 PM---Nonconformance No. NC-0022 Transmittal of SLI Deliverables Rec. No.L010-S011-200-170331-00161

Nonconformance No. NC-0022 Transmittal of SLI Deliverables Rec. No.L010-S011-200-170331-00161

{doclink : document = '8130DCAA4D1B6313A32579970048B56E' view = '38D46BF5E8F08834852564B500129B2

to:

**Clarence Hewitt** 

Normand.Bechard

Page 2

Cc: LCP - SNC, PF\_Document Control - Lower Churchill, "Colbourne, Brian", Ken.Morrison, "Berjaoui, Mahmoud"

Nonconformance No. NC-0022 Transmittal of SLI Deliverables

Rec. No.L010-S011-200-170331-00161

Normand,

Please refer to attached letter regarding Nonconformance No. NC-022 - Transmittal of SLI Deliverables. Due to the size of the electronic file the letter c/w attachments will be issued via document control.

Regards

Clarence

[attachment "L010-S011-200-170331-00161 - Nonconformance No. NC-0022 Transmittal of SLI Deliverables.pdf" deleted by Leigh Anne Sutton/NLHydro]



Clarence Hewitt Senior Contract Coordinator (Consultant) Nalcor Energy - Lower Churchill Project t. 709 737-1385 f. 709 754-0787 e. <u>ClarenceHewitt@nalcorenergy.com</u> w. <u>nalcorenergy.com</u> 1.888.576.5454 Page 3



Hydro Place. 500 Columbus Drive. P.O. Box 12800. St. John's. NL Canada A1B 0C9 t. 709.737.1833 or 1.888.576.5454 f. 709.737.1985

Rec. No.: L010-S011-200-170331-00161

February 3, 2012

SNC-Lavalin Inc. 272 Torbay Road St. John's, NL A1A 4E1

Attention: Mr. Normand Bechard

Subject: Lower Churchill Phase 1 Development Agreement LC-G-002 Engineering, Procurement and Construction Management (EPCM) Services

Nonconformance No. NC-0022 – Transmittal of SLI Deliverables

Dear Normand:

Further to discussions between David Green, Mahmoud Berjaoui, and Ken Morrison on 13 and 25 Jan 2012, please find attached for SLI action, Nonconformance No. NC-0022 which documents these issues. The intent of the nonconformance is to document a significant number of document control issues that requires SLI to determine the root causes, evaluate the need for actions and the planned action to correct the issue in order to prevent its reoccurrence.

SLI are requested to complete Part 2 of this form on or before 15 Feb 2012 and return to Nalcor for evaluation. Nalcor would be pleased to meet and discuss the resolution of each issue at your convenience with your team.

ALL M HILLANDER INC. 1

If you have any questions regarding the above, please contact David Green.

Sincerely

A ME BOARD AND I

Ron Power Project Manager – Generation / Island Link DG/dg

Attachments: 1. Nonconformance No. NC-0022

## **ATTACHMENT 1**

Nonconformance No. NC-0022

CIMFP Exhibit P-02480								
	Nonconformance / Opportunity for Improvement							
PART 1 APPROVAL								
Title:		Type:		udit Report No.				
Transmittal of Deliverab	les from SLI	NC- CA 🛛 OFI - PA 🗌	]   N	/A				
<ol> <li>Deliverables have been in place. A detailed list</li> <li>Incorrect files are</li> <li>SLI make duplicate</li> <li>Incorrect revisions</li> <li>Document transminumber, incorrect</li> <li>SLI PM+ transmitt</li> <li>SLI document are total number of particular</li> </ol>	<ol> <li>SLI make duplicate requests for Nalcor document numbers. See Attachment 2.</li> <li>Incorrect revisions are being received, See Attachment 3.</li> <li>Document transmittal deficiencies are occurring such as missing files, incorrect file, incorrect subject, incorrect document number, incorrect revisions, etc. See examples on Attachment 4 including a log of 60+ errors since Sep 2011.</li> <li>SLI PM+ transmittal and minutes of meeting are being sent as one file. See Attachment 5</li> </ol>							
· · · · · · · · · · · · · · · · · · ·		ent SLI and Nalcor docume						
	, Exhibit 5, Section 5 and 16		_		,			
Date Raised by 25 Jan 2012 N. Collins MuCol PART 2 RESPONSE	D. Green	Responsible A R. Power	rea Manager	Organization and Actionee Ac SLI / Ken Morrison	ceptance			
Root cause				1				
Evaluation of need for a Planned action Proposed Closeout Date	tion							
Date		Organization and Actione	e					
PART 3 RESPONSE EVALU	IATION							
	cted 🗌 Reason:							
Date	Responsible / Area Mana	lger	QA Manager					
PART 4 FOLLOW -UP								
Action Taken: (If action to	aken differs from the plan, pl	ease provide details.)		-				

	CIMFP Exhibit P-02480	Page 7 Page 2 of 2
N nalcor Energy Exercised Product	Nonconformance / Opportunity for Improvement	<b>No.</b> NC-0022
Follow-up: (Describe fol	low-up taken to verify effectiveness of action taken.)	
Lesson Learned Required		
PART 5 CLOSE OUT		
Verified as Effective / Ap	oproved to Close	
Date	QA Manager	

#### Attachment 1 to NC-0021, Page 1 of 2

Page Parge 8

## Thread - Reference No: NE-LCP-MEMO-000226

Thread	Mail No	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- TRANSMIT- 000581	Transmittal	LC-G-002 - 462B Foundation Drawings - Issued for Review - 4600-CL-0136	Ms Jackie Drover - SNC- Lavalin Inc.	LCPDCC Nalcor Document Control - Nalcor Energy	Responded	22/12/2011
P	NE-LCP-MEMO -000226		Re: LC-G-002 - 462B Foundation Drawings - Issued for Review - 4600-CL-0136		Ms Jackie Drover - SNC-Lavalin Inc.	N/A	03/01/2012

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



Reference No: SLI-LCP-TRANSMIT-000581

#### NE-LCP-MEMO-000226

## Memorandum

То	Ms Jackie Drover - SNC-Lavalin Inc.
From	Ms Leigh Anne Sutton - Nalcor Energy
Sent	Tuesday, 3 January 2012 10:33:06 AM NST (GMT -03:30)
Status	N/A
Subject	Re: LC-G-002 - 462B Foundation Drawings - Issued for Review - 4600-CL-0136

WRong files attached for:

ILK-SN-CD-6200-TL-DD-0006-01 ILK-SN-CD-6200-TL-DD-0014-01 ILK-SN-CD-6200-TL-DD-0031-01 ILK-SN-CD-6200-TL-DD-0039-01

Please fix these 4 & resubmit.

Thanks, Leigh ANne

#### From: J Drover

Sent: 22/12/2011 4:42:39 PM NST (GMT -03:30) To: LCPDCC Nalcor Document Control Cc: Jackie Drover, Afzal Hussain, Sherry Wilson Mail Number: SLI-LCP-TRANSMIT-000581 Subject: LC-G-002 - 462B Foundation Drawings - Issued for Review - 4600-CL-0136

Last one from me this year.

Sorry for the large amount of documents.

I hope you and your families all have a Merry Christmas and all the best for 2012

Take care

Jackie

ps If you in Kelligrews and would like to stop by please give me a call 730-3439 you are all welcome.

Refer To	Mail No	From	From Organization	Subject
Parent	Mail No	From	From Organization	Subject

#### Attachment 1 to NC-0021, Page 2 of 2

SLI-LCP-TRANSMIT-000581 Ms Jackie Drover

SNC-Lavalin Inc.

LC-G-002 -462B Foundation Drawings -Issued for Review -4600-CL-0136

Page Pofge 9

## Attachment 2 to NC-022, Page 1 of 4

Pagplaged 10

## Thread - Reference No: SLI-LCP-MEMO-000068

Thread	Mail No	Туре	Subject	From	Recipier	ts Statu	is Date
	SLI-LCP-MEMO- 000068	Memorandum	Nalcor Document Number to be cancelled	Ms Jackie Dro SNC-Lavalin I			23/11/2011
Hydro Pla P.O. Box St. John's							
				SI	NC+I	AVA	LIN
Memor	andum					SLI-LCP-ME	NO-000068
🖻 To (4	•)	Ms Sheila P Ms Victoria	ns - Nalcor Energy littman - Nalcor Energy Stanford - Nalcor Energy nne Sutton - Nalcor Energy				
Cc		•	prover - SNC-Lavalin Inc.				
From		Ms Jackie D	prover - SNC-Lavalin Inc.				
Sent		Wednesday	, 23 November 2011 5:50:4	6 PM NST (GM	Г -03:30)		
Status		N/A					
Subject		Nalcor Docu	ument Number to be cancelle	ed			
Please c	ancel						
MFA-SN	-CD-6140-TL-DD-00	012-01 as this v	vas found to be a duplicate re	equest.			
thanks							
Jackie							
Refer To		Mail No	From		From Organ	ization	Subject

 $https://uk1.aconex.co.uk/CorrespondenceSearch?Correspondence_ID=273230643\&CORR... 1/19/2012$ 

#### Attachment 2 to NC-022, Page 2 of 4

Pageplage 11

#### Mail No Status Date Thread Type Subject From Recipients -SLI-LCP-Memorandum Nalcor Document Number Ms Jackie Drover LCPDCC Nalcor N/A 03/01/2012 MEMO-- SNC-Lavalin Inc. Document Control request - new to Hydro 000155 Register Nalcor Energy Memorandum Re: Nalcor Document Number Nicole Collins -DRAFT-Ms Jackie Drover - SNC-N/A 03/01/2012 000177 request - new to Hydro Nalcor Energy Lavalin Inc. Register

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



#### Memorandum

То	LCPDCC Nalcor Document Control - Nalcor Energy
Cc	Ms Jackie Drover - SNC-Lavalin Inc.
From	Ms Jackie Drover - SNC-Lavalin Inc.
Sent	Tuesday, 3 January 2012 12:02:54 PM NST (GMT -03:30)
Status	N/A
Subject	Nalcor Document Number request - new to Hydro Register

Hi Nicole,

505573-325A-40ES-0020 - Bulk Excavation Works Waterstops Technical Specification

I am not sure about this one either....I thought I made the request before the holidays. Sorry if it is a duplicate request.

Thanks Jackie

Refer To

Mail No

From

From Organization

Subject

SLI-LCP-MEMO-000155

Thread - Reference No: SLI-LCP-MEMO-000155

#### Attachment 2 to NC-022, Page 3 of 4

Pagpage 12

#### Thread Mail No Type Subject From Recipients Status Date -SLI-LCP-Memorandum Nalcor Number New to Hydro and Ms Jackie Drover Nicole Collins -N/A 06/12/2011 - SNC-Lavalin Inc. Nalcor Energy MEMO-Management Register - Urgent 000102 -NE-LCP-Memorandum Re: Nalcor Number New to Hydro Nicole Collins -Ms Jackie Drover -N/A 07/12/2011 MEMOand Management Register - Urgent Nalcor Energy SNC-Lavalin Inc. 000167

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada

Thread - Reference No: SLI-LCP-MEMO-000102



SLI-LCP-MEMO-000102

#### Memorandum

🖃 To (4)	Nicole Collins - Nalcor Energy
	Ms Sheila Pittman - Nalcor Energy
	Ms Victoria Stanford - Nalcor Energy
	Ms Leigh Anne Sutton - Nalcor Energy
Cc	Ms Jackie Drover - SNC-Lavalin Inc.
From	Ms Jackie Drover - SNC-Lavalin Inc.
Sent	Tuesday, 6 December 2011 2:49:23 PM NST (GMT -03:30)
Status	N/A
Subject	Nalcor Number New to Hydro and Management Register - Ur

Thanks Jackie

New to Hydro Register

505573-332A-45EL-0001 CH0032 Intake Mechanical Equipments Gates Estimate Drawing List 505573-315A-47DD-0031 ACCOMMODATIONS COMPLEX SITE UTILITIES ELECTRICAL SCHEDULE 505573-0000-40ER-0001 Project Description Component 1 - Generation

#### New to Management Register

## 505573-0000-68RA-I-0014 ICE OBSERVATION PROGRAM ENVIRONMENTAL PROTECTION PLAN 0000-68RA-I-0017 Field Emergency Response Plan

Refer To

Mail No

From

From Organization

Subject

Pagelage 13

## Thread - Reference No: SLI-LCP-MEMO-000101

Thread	Mail No	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- MEMO- 000101	Memorandum	Nalcor Document Number Required - new to Hydro and Management Register	Ms Jackie Drover - SNC-Lavalin Inc.	Nicole Collins - Nalcor Energy	N/A	06/12/2011
<b>6</b> 2	NE-LCP- MEMO- 000166	Memorandum	Re: Nalcor Document Number Required - new to Hydro and Management Register	Nicole Collins - Nalcor Energy	Ms Jackie Drover - SNC-Lavalin Inc.	N/A	07/12/2011

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



**SNC**·LAVALIN

SLI-LCP-MEMO-000101

#### Memorandum

<b>To</b> (4)	Nicole Collins - Nalcor Energy
	Ms Sheila Pittman - Nalcor Energy
	Ms Victoria Stanford - Nalcor Energy
	Ms Leigh Anne Sutton - Nalcor Energy
Cc	Ms Jackie Drover - SNC-Lavalin Inc.
From	Ms Jackie Drover - SNC-Lavalin Inc.
Sent	Tuesday, 6 December 2011 12:12:08 PM NST (GMT -03:30)
Status	N/A
Subject	Nalcor Document Number Required - new to Hydro and Management Registe

Good Day Ladies,

FYI the capital letters in the titles are a new process implemented here and not my yelling as email etiquette implies.

Thanks Jackie

#### New to Hydro Register

505573-332A-45EL-0001 CH0032 Intake Mechanical Equipments Gates Estiate Drawing List 505573-315A-47DD-0031 ACCOMMODATIONS COMPLEX SITE UTILITIES ELECTRICAL SCHEDULE 505573-0000-40ER-0001 Project Description Component 1 - Generation

#### New to Management Register

505573-0000-68RA-I-0014 ICE OBSERVATION PROGRAM ENVIRONMENTAL PROTECTION PLAN

Refer To

Mail No

From

From Organization

Subject

#### Attachment 3 to NC-0022, Page 1 of 3

Pagelage 14

## Thread - Reference No: NE-LCP-MEMO-000224

Thread	Mail No	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- TRANSMIT- 000587	Transmittal	LC-G-002 - 315 kV HVac MF to CF Transmission Line 1 and 2 Route Map -4600-CL-0137	Ms Lynn Stockley - SNC -Lavalin Inc.	LCPDCC Nalcor Document Control - Nalcor Energy	Responded	23/12/2011
<i>6</i> 2	NE-LCP- MEMO-000224	Memorandum	Re: LC-G-002 - 315 kV HVac MF to CF Transmission Line 1 and 2 Route Map -4600-CL- 0137		Ms Lynn Stockley - SNC-Lavalin Inc.	N/A	30/12/2011

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



Reference No: SLI-LCP-TRANSMIT-000587

#### NE-LCP-MEMO-000224

## Memorandum

То	Ms Lynn Stockley - SNC-Lavalin Inc.
Cc	Ms Jackie Drover - SNC-Lavalin Inc.
From	Ms Leigh Anne Sutton - Nalcor Energy
Sent	Friday, 30 December 2011 9:33:02 AM NST (GMT -03:30)
Status	N/A
Subject	Re: LC-G-002 - 315 kV HVac MF to CF Transmission Line 1 and 2 Route Map -4600-CL-0137

We already have this document at Revision A2 (PC)...it was returned not reviewed so this submission should be A3.

Thanks,

Leigh Anne

From: L Stockley Sent: 23/12/2011 11:16:58 AM NST (GMT -03:30) To: LCPDCC Nalcor Document Control Cc: Jackie Drover, Lynn Stockley Mail Number: SLI-LCP-TRANSMIT-000587 Subject: LC-G-002 - 315 kV HVac MF to CF Transmission Line 1 and 2 Route Map -4600-CL-0137

Good Morning,

See attached for your review.

Regards, Lynn Stockley

Refer To Parent Mail NoFromMail NoFromSLI-LCP-TRANSMIT-000587Ms Ly

From From Ms Lynn Stockley From Organization From Organization SNC-Lavalin Inc. Subject Subject LC-G-002 -315 kV HVac MF to CF Transmission Line 1 and 2 Route Map -4600-CL-0137

### Thread - Reference No: NE-LCP-MEMO-000146

Mail No	Туре	Subject	From	Recipients	Status	Date	
SLI-LCP- TRANSMIT- 000413	Transmittal	LC-G-002 - 325A - Bulk Excavation Work for Internal Review	Ms Lynn Stockley - SNC- Lavalin Inc.	Nicole Collins - Nalcor Energy	Responded	28/11/2011	
NE-LCP-MEMO -000146	Memorandum	Re: LC-G-002 - 325A - Bulk Excavation Work for Internal Review	Ms Sheila Pittman - Nalcor Energy	Ms Lynn Stockley - SNC- Lavalin Inc.	N/A	29/11/2011	
NE-LCP-MEMO -000157	Memorandum	STATUS PLEASE - LC-G- 002 - 325A - Bulk Excavation Work for Internal Review	Ms Leigh Anne Sutton - Nalcor Energy	Ms Sheila Pittman - Nalcor Energy	N/A	05/12/2011	
	SLI-LCP- TRANSMIT- 000413 NE-LCP-MEMO NE-LCP-MEMO	SLI-LCP- TRANSMIT- 000413 NE-LCP-MEMO Memorandum -000146 NE-LCP-MEMO Memorandum	SLI-LCP- TRANSMIT- 000413       Transmittal       LC-G-002 - 325A - Bulk Excavation Work for Internal Review         NE-LCP-MEMO -000146       Memorandum Res LC-G-002 - 325A - Bulk Excavation Work for Internal Review         NE-LCP-MEMO -000157       Memorandum Memorandum         STATUS PLEASE - LC-G- 002 - 325A - Bulk Excavation	SLI-LCP- TRANSMIT- 000413       Transmittal       LC-G-002 - 325A - Bulk Excavation Work for Internal Review       Ms Lynn Stockley - SNC- Lavalin Inc.         NE-LCP-MEMO -000146       Memorandum Review       Re: LC-G-002 - 325A - Bulk Excavation Work for Internal Review       Ms Sheila Pittman - Nalcor Energy         NE-LCP-MEMO -000157       Memorandum Memorandum       STATUS PLEASE - LC-G- 002 - 325A - Bulk Excavation       Ms Leigh Anne Sutton - Nalcor	SLI-LCP- TRANSMIT- 000413       Transmittal       LC-G-002 - 325A - Bulk Excavation Work for Internal Review       Ms Lynn Stockley - SNC- Lavalin Inc.       Nicole Collins - Nalcor Energy         NE-LCP-MEMO -000146       Memorandum Review       Re: LC-G-002 - 325A - Bulk Excavation Work for Internal Review       Ms Lynn Stockley - SNC- Lavalin Inc.       Ms Lynn Stockley - SNC- Lavalin Inc.         NE-LCP-MEMO -000157       Memorandum STATUS PLEASE - LC-G- 002 - 325A - Bulk Excavation       Ms Leigh Anne Sutton - Nalcor       Ms Sheila Pittman - Nalcor	SLI-LCP- TRANSMIT- 000413       Transmittal       LC-G-002 - 325A - Bulk Excavation Work for Internal Review       Ms Lynn Stockley - SNC- Lavalin Inc.       Nicole Collins - Nalcor Energy       Responded         NE-LCP-MEMO -000146       Memorandum Review       Re: LC-G-002 - 325A - Bulk Excavation Work for Internal Review       Ms Sheila Pittman - Nalcor Energy       Ms Lynn Stockley - SNC- Lavalin Inc.       N/A         NE-LCP-MEMO -000157       Memorandum Memorandum       STATUS PLEASE - LC-G- 002 - 325A - Bulk Excavation       Ms Leigh Anne Sutton - Nalcor       Ms Sheila Pittman - Nalcor       N/A	

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



NE-LCP-MEMO-000146

Reference No: SLI-LCP-TRANSMIT-000413

#### Memorandum

# ToMs Lynn Stockley - SNC-Lavalin Inc.CcMs Jackie Drover - SNC-Lavalin Inc.FromMs Sheila Pittman - Nalcor EnergySentTuesday, 29 November 2011 9:55:40 AM NST (GMT -03:30)StatusN/ASubjectRe: LC-G-002 - 325A - Bulk Excavation Work for Internal Review

Transmittal not processed. The file attached to MFA-SN-CD-2000-EN-SP-0005-01 should be Revision A2 as stated on the transmittal. However, the front coverpage states Revision A1. Please make correction & resubmit all documents.

#### Regards,

Sheila Pittman Information Management Analyst Quality Management Nalcor Energy - Lower Churchill Project t. 709 737-4989 e. SheilaPittman@nalcorenergy.com w. nalcorenergy.com 1.888.576.5454

#### From: L Stockley

Sent: 28/11/2011 11:02:16 AM NST (GMT -03:30) To: Nicole Collins, Sheila Pittman, Victoria Stanford, Leigh Anne Sutton Cc: Joan Antle, Jackie Drover, Krista Nippard, Lynn Stockley Mail Number: SLI-LCP-TRANSMIT-000413 Subject: LC-G-002 - 325A - Bulk Excavation Work for Internal Review

See Attached for your review.

Regards, Lynn

Refer To	Mail No	From	From Organization	Subject
Parent	Mail No	From	From Organization	Subject

https://uk1.aconex.co.uk/ViewCorrespondence?Correspondence\_ID=273246815&CORRE... 1/24/2012

## Attachment 3 to NC-0022, Page 3 of 3

SLI-LCP-TRANSMIT-000413 Ms Lynn Stockley

SNC-Lavalin Inc.

LC-G-002 -325A - Bulk Excavation Work for Internal Review

Page 200 16

Attachment 4 to NC-0022, Page 1 of 8 17

## Thread - Reference No: SLI-LCP-TRANSMIT-000571

Thread	Mail No	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- TRANSMIT- 000571	Transmittal	LC-G-002 - Powerhouse and Spillway Drawings - Issued for Review - 3000-CL-0308	Ms Jackie Drover - SNC- Lavalin Inc.	LCPDCC Nalcor Document Control - Nalcor Energy	Responded	21/12/2011
<i>(</i> 22)	NE-LCP- Memorandum MEMO-000221		Re: LC-G-002 - Powerhouse Anne and Spillway Drawings - Issued for Review - 3000-CL-0308 Ms Leigh Anne Sutton - Nalcor Energy				23/12/2011
	-				and a second		

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada





SLI-LCP-TRANSMIT-000571

## **Transmittal**

То	LCPDCC Nalcor Document Control - Nalcor Energy	
Cc	Ms Jackie Drover - SNC-Lavalin Inc.	
From	Ms Jackie Drover - SNC-Lavalin Inc.	
Sent	Wednesday, 21 December 2011 8:31:11 PM NST (GMT -03:30)	
Reason	Issued for Review	
Status	Responded	
Response	Respond by	04/01/2012
Subject	LC-G-002 - Powerhouse and Spillway Drawings - Issued for Review - 3000-CL-0308	

#### Document Attachments (6)

			Update	Register	View Attachment Properties Actions Downl	oad Files
S	File	Document No	Revision	Document Date	Title	Status
Г	₹ 2	MFA-SN-CD-2440-EL- SL-0001-01	A2	13/12/2011	Spillway 600V AC Auxiliary Single Line Diagram	Issued for Review
Г	₹	MFA-SN-CD-3340-EL- LT-0006-01	A2	07/12/2011	Muskrat Falls Powerhouse Cable Tray Layout Generator Floor Level 15.50	Issued for Review
Г		MFA-SN-CD-3340-EL- LT-0007-01	A2	07/12/2011	Muskrat Falls Powerhouse Cable Tray Layout Turbine Floor Level 6.50	lssued for Review
Г	2	MFA-SN-CD-3340-EL- LT-0008-01	A2	07/12/2011	Muskrat Falls Powerhouse Cable Tray Layout Mezzanine Floors Levels 25.0 and 34.52	Issued for Review
	▶ ▼	MFA-SN-CD-3340-EL-	A3	14/12/2011	Electrical Services Diagram Legend	Issued for Review
Г	no associated file		A1	30/11/2011	Powerhouse 48Vdc Telecommunication Systems Main Single Line Diagram	Issued for Review

Ret	

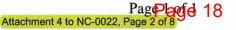
Mail No

From

From Organization

Subject

https://uk1.aconex.co.uk/ViewCorrespondence?ACTION=0&Correspondence\_ID=273325... 1/24/2012



## Thread - Reference No: SLI-LCP-TRANSMIT-000582

Thread	Mail No	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- TRANSMIT- 000582	Transmittal	LC-G-002 - Correction to Revision on Tower Drawing - 4600-CL-0136	Ms Jackie Drover - SNC- Lavalin Inc.	LCPDCC Nalcor Document Control - Nalcor Energy	N/A	22/12/2011
<b>4</b>	NE-LCP-MEMO- 000223	Memorandum	Re: LC-G-002 - Correction to Revision on Tower Drawing - 4600-CL-0136	Ms Leigh Anne Sutton - Nalcor Energy	Ms Jackie Drover - SNC-Lavalin Inc.	N/A	23/12/2011
	ion Controlled						

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada





SLI-LCP-TRANSMIT-000582

## **Transmittal**

То	LCPDCC Nalcor Document Control - Nalcor Energy
Cc	Ms Jackie Drover - SNC-Lavalin Inc.
From	Ms Jackie Drover - SNC-Lavalin Inc.
Sent	Thursday, 22 December 2011 4:44:30 PM NST (GMT -03:30)
Status	N/A
Subject	LC-G-002 - Correction to Revision on Tower Drawing - 4600-CL-0136

Document Attachments (1)

			U	pdate Regist	er View Attachment Properties Actions Do	wnload Files
IJ	File	Document No	Revision	Document Date	Title	Status
Г	7	ILK-SN-CD-6200-TL- DD-0005-01	A1	14/12/2011	350 kV HVdc Foundation Type A1-2 for Tower Type A1 Granular Soil (100 kPa) Design and Details	Issued for Review

Please use this file.

Thanks Jackie

Refer To

Mail No

From

From Organization

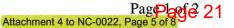
Subject

4 to NC-0022, Page 3 of 8 MARK QTY DESCRIPTION LENGTH REMARKS WEIGHT (kg) +3.5% GALV. WELDED ASSEMBLY HP 310 x 79 PL 359 x 19 PL 50 x 10 100 100A 1008 100C 3215 366 50 262.87 20.28 0.81 101 102 103 104 105 108 91.91 37.46 792.41 1038.04 0.70 4.05 C 380 x 74 L 102 x 102 x 9.5 W 530 x 109 W 150 x 22 1\* DIA, THREADED ROD SPHERICAL PLATE 600 312 3512 3500 140 2 D 200 DIA. x 16 TH. 1 ---TOTAL 2246.53 F---2-(101)E (102) BOLTS 19mm Ø (3/4\*)
 BOLTS 22mm Ø (7/8\*) LINE ---F -F H F---F 4 103 103 (104) C PLAN VIEW -0 GENERAL NOTES 1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED. SEE CONSTR. NOTE 6 GROUND LEVEL 2. ALL STEEL ANGLES TO BE IN ACCORDANCE WITH CSA-G40.21, GRADE 350W OR EQU 3. ALL BOLTS TO BE IN ACCORDANCE WITH ASTM A325, TYPE 1. 4. ALL WELDING TO BE IN ACCORDANCE WITH CSA-WE9. UNLESS OTHERWISE NOTED 5. SURFACE ROLIGHNESS: GRADE N9 ACCORDING TO DIN ISO 1302 SPECIFICATION. CONSTRUCTION AND ERECTION NOTES 3250 ALL EXCAVATION WORK (SITE PREPARATION, FOUNDATIONS ON BEDROCK EMPLACEMENT AND BACKFILLING) MUST BE IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS. 2. BACKFILL MATERIAL OVER THE GRILLAGE MUST MEET A MINIMUM DRY DENSITY OF 1600 kg/m<sup>1</sup> AS PER THE TECHNICAL SPECIFICATIONS. SAFE SLOPE TO BE DEFINED ACCORDING TO SOIL CONDITION (Î) Î 3. THE STUB IS HORIZONTALLY LOCATED WITHIN AN ALLOWABLE TOLER : 00 4. THE BEARING CAPACITY OF THE SOIL SHALL BE MINIMUM 100 KPG 5. IN CASES WHERE SOIL CAVES INTO THE EXCAVATED AREA, THE CONT TEMPORARY SUPPORT AROUND THE PERMETER OF THE EXCAVATION. 6. THE BACKFILL MUST HAVE A MINIMUM SLOPE OF 1' TO A MAXIMUM OF 5' FROM THE CENTER OF THE FOUNDATION TO THE CUITODE \* Y NAL EXCAVATION MUST BE BACKFILLED IN ACCORDANCE TO THE T 7 ANY ADDID 8. THE SAME STUB WILL BE USED FOR THE ROCK FOUNDATION TYPE 3 AND IT WILL BE CUT IN A DEPTH. WHEN THE STUB IS CUT, A RICH ZINC COATING IS APPLIED AT THE CUT END. INSTALLATION VIEW (FROST DEPTH: 3000) 9. IF REQUIRED, A GRANULAR PAD OF 500 mm CAN BE USED TO IMPROVE THE BEARING CAPACITY OF THE SOIL, AND IT WILL BE DONE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION. PRELIMINARY 1 : 20 0 200 600 1000 mm SNC . LAVALLIN Onalcor 104-11-14-140-1010/43-5 EVEW DOES NOT CONSTITUTE APPROVAL OF DESIGN OFTAILS, ALCULATIONS, TEST METHODS OR MATERIAL DEVELOPED AND ALECTED BY THE CONTRACTOR, NOR DOES IT RELEVE THE CON-REMAY JULI COMPLANCE WITH CONTRACTURE, OR OTHER OBLE z The haven LOWER CHURCHILL PROJECT Darpice Lase Logker T. ADOGLI 350 KV HVdc TION TYPE A1-2 FOR TOWER TYPE A1 GRANULAR SOIL (100 kPo) DESIGN AND DETAILS ND. BELANDER 8200-11-00-0001-02 350 XV HV65 TOWER TYPE AT (0-1') DESKRI LAYOUT SHEET 2 OF 2 1 AT 11-DEC-2011 SSUED FOR CUIDIN 2015573-462 8200-R-60-0001-01 350 W INGS TOWER TYPE AT (0-1") DESURY LATOUT SHEET 1 OF 2 12-060-2011 SSU NEV. DATE DISTRIBUTION & STATUS ISSU. REV. DATE DISTRIBUTION & STATUS NO. DALE UCD. VER. APP. 5573-4628-4200-1212-PB MFA-SN-CD-6200-TL-DD-0005 01 A1 ISSUE REDISTOR RETERENCE 4 3 2

Page 19

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<u>1 To: Nalcor Energy</u> Attn: Ron Pow Newfoundland			Date Req'd: Action: For Information		FROM: Norman SNC Lav Phone: Fax:	Circuit Contraction				i D		
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## Thread - Reference No: NE-LCP-MEMO-000232

Thread	Mail No	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- TRANSMIT- 000501	Transmittal	LC-G-002 - 333D - Powerhouse Structural Steel Drawings - Issued for Review (3000-CL-0269)	Mrs Krista Nippard - SNC- Lavalin Inc.	Ms Sheila Pittman - Nalcor Energy	Responded	12/12/2011
<b>#</b>	NE-LCP- MEMO-000232	Memorandum	Re: LC-G-002 - 333D - Powerhouse Structural Steel Drawings - Issued for Review (3000-CL-0269)	Ms Leigh Anne Sutton - Nalcor Energy	Mrs Krista Nippard - SNC- Lavalin Inc.	N/A	04/01/2012

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



Reference No: SLI-LCP-TRANSMIT-000501

#### NE-LCP-MEMO-000232

## Memorandum

То	Mrs Krista Nippard - SNC-Lavalin Inc.
From	Ms Leigh Anne Sutton - Nalcor Energy
Sent	Wednesday, 4 January 2012 1:05:57 PM NST (GMT -03:30)
Status	N/A
Subject	Re: LC-G-002 - 333D - Powerhouse Structural Steel Drawings - Issued for Review (3000-CL-0269)

Hi Krista,

A coupld of issues with this submission:

MFA-SN-CD-3300-CV-DD-0001-01 should be A2.

MFA-SN-CD-3300-CV-EL-0002-01 should be A2.

MFA-SN-CD-3320-ST-DD-0003-02 - nalcor signed off file attached for A2...should be A3.

Thanks, Leigh Anne

#### From: K Nippard

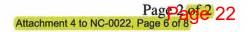
Sent: 12/12/2011 4:28:50 PM NST (GMT -03:30) To: Sheila Pittman, Victoria Stanford, Leigh Anne Sutton Cc: Jackie Drover, Krista Nippard Mail Number: SLI-LCP-TRANSMIT-000501 Subject: LC-G-002 - 333D - Powerhouse Structural Steel Drawings - Issued for Review (3000-CL-0269)

Please see the attached issued for review.

regards

Krista

Refer To Parent Mail No Mail No SLI-LCP-TRANSMIT-000501 From From Mrs Krista Nippard From Organization From Organization SNC-Lavalin Inc. Subject Subject LC-G-002 -333D -Powerhouse Structural Steel



Drawings -Issued for Review (3000-CL-0269)

Attachment 4 to NC-0022, Page 7 of 8

Transmittal	Date	Description of Error	Aconex - Correct Information	Document as Submitted by SLI
000136	13-Sep-2011	Transmittal rejected - Document was intended to be	Aconex - correct mormation	Document as submitted by SLI
000130	15-5ep-2011	superceded, but sent at Rev. A1 - Memo sent with instructions		
000137	13-Sep-2011	Document Title Incorrect on transmittal	Correct Title: Muskrat Falls - Construction Power Terminal Station - Substation Layout - Plan View	Title from SLI transmittal: Muskrat Falls Construction Power Terminal Station - Plan View
000138	13-Sep-2011	Transmittal rejected - Nalcor Coverpage not included - Memo		
000139	14-Sep-2011	Document Date incorrect	Correct Date: 13-Sep-2011	Date listed by SLI: 09-Sep-2011
000141	14-Sep-2011	Document Date incorrect	Correct Date: 13-Sep-2011	Date listed by SLI: 14-Sep-2011
000142	15-Sep-2011	Transmittal Rejected. Document was submitted without the Nalcor coverpage. Memo sent to SLI		
000145	16-Sep-2011	Document titles and dates incorrect	Correct Date: 15-Sep-2011	Date listed by SLI: 16-Sep-2011
000147	19-Sep-2011 19-Sep-2011	Document Dates incorrect	Correct Date: 15-Sep-2011	Date listed by SLI: 19-Sep-2011
000148	19-Sep-2011	Drawing not rotated to landscape orientation Document Title Incorrect	Muskrat Falls Construction Power	Muskrat Falls Construction Power Protection Single Line
		Document Date incorrect	Protection Single Line Correct Date: 08-Sep-2011	Diagram
000149	19-Sep-2011	Transmittal Rejected. Documents were submitted without the	Correct Date: 08-Sep-2011	Date listed by SLI: 19-Sep-2011
	as sop rour	Nalcor coverpage. Memo sent to SLI	-	
000150	19-Sep-2011	Document titles and dates incorrect	· · · · · · · · · · · · · · · · · · ·	
000151	20-Sep-2011	Document titles and dates incorrect	Correct Date: 16-Sep-2011	Date listed by SLI: 20-Sep-2011
000152	20-Sep-2011	Document titles and dates incorrect	Correct Date: 19-Sep-2011	Date listed by SLI: 20-Sep-2011
000153	20-Sep-2011	Document Date incorrect	Correct Date: 16-Sep-2011	Date listed by SLI: 20-Sep-2011
000154	20-Sep-2011	Transmittal Rejected. Document number on Nalcor Coverpage	Correct Document Number: LCP-SN-CD-	Document on submitted document: LPN-SN-CD-1400-TE-RP
000155	21 60- 2011	& throughout this document is incorrect. Memo sent to SLI: NE-	1400-TE-RP-0001-01	
000155	21-Sep-2011	Transmittal Rejected. Document number on Nalcor Coverpage & throughout this document is incorrect. Memo sent to SLI: NE- LCP-MEMO-000050 (Same error as transmital above.	Correct Document Number: LCP-SN-CD- 1400-TE-RP-0001-01	Document on submitted document: LPN-SN-CD-1400-TE-RP- 0001-01
000165	25-Sep-2011	Document Date incorrect	Correct Date: 23-Sep-2011	Date listed by SLI: 25-Sep-2011
000170	26-Sep-2011	Transmittal rejected - The SLI Contractor document numbers on the Nalcor Coverpage & the SLI coverpage(2nd page) do not		
		match. Also, the xls file & the pdf file SLI Contractor document		
000175	27-Sep-2011	Document MFA-SN-CD-1320-CV-SP-0001-01 was incorrectly submitted at status Approved for Use. Should have been For Review		
		Typo in Document Title for MFA-SN-CD-1320-EL-DT-0011-01 & Document Date incorrect		
		Document MFA-SN-CD-1320-EL-SM-0001-01 is listed on transmittal as Rev. A2, but document states Rev. A1. Document title incorrect		
		MFA-SN-CD-1320-EL-DT-0014-01 Document Date incorrect MFA-SN-CD-1320-EL-GA-0002-01 Document Date incorrect		
		MFA-SN-CD-1320-EL-LT-0001-01 Document Title incorrect MFA-SN-CD-1320-EL-SP-0014-01 Document Title Incorect		
000373	16-Nov-2011	PDF file too dark - can't read it (11x17 & plotted bigger)		
000376	16-Nov-2011	Title wrong	Accommodation and Construction Site Distribution System - 25kV Switchgear Specification	24kV Switchgear Specification
		Appendix B has no content - sent memo through Aconex		
000381	17-Nov-2011	Titles wrong	Assembly 2 - 315kV HVac - Muskrat Falls to Churchill Falls - OPGW Suspension Assembly - Sheet 1 of 1	Assembly 2 315kV HVAC Muskrat Falls to Churchill Falls - OPGW Suspension Assembly Drawing
			Assembly 11 - 315kV HVac - Muskrat Falls	Assembly 11 315kV HVAC Muskrat Falls to Churchill Falls - OPGW Assembly Two Side Dead End Assembly (Without Splice Box)
				Assembly 10 315kV HVAC Muskrat Falls to Churchill Falls -
			to Churchill Falls - OPGW One Side Dead- End Assembly (Without Splice Box) - Sheet 1 of 1	OPGW One Side Dead End Assembly (Without Splice Box)
				315kV HVAC Muskrat Falls to Churchill Falls Transmission Line 2 - Tower Type E - OPGW Assembly Drawing
4600-CL-009	5	Date of transmittal incorrect		18-11 0-2011
000408	24-Nov-2011	Title wrong, no Due Date & Document date wrong		
000410	25-Nov-2011	Tile Wrong	to Churchill Falls Spacer Damper	315kV HVAC Muskrat Falls to Churchill Falls Transmission Line 2 - Gantry Insulator Assembly Drawing (Churchill Falls New 725 (21EW Subtration)
		Document Date Wrong		New 735/315kV Substation) 13-Oct-11
		Tile Wrong	Assembly 15 - 315 kV Hvac - Muskrat Falls to Churchill Falls Rigid Spacer	315kV HVAC Muskrat Falls to Churchill Falls Transmission Line 2 - Gantry Insulator Assembly Drawing (Churchill Falls
		Document Date Wrong		New 315kV Switchyard) 13-Oct-11
	•			and a second

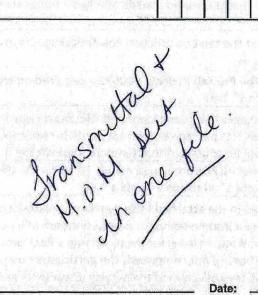
Tile Wrong

Exhibit P-02480	Page 24 Attachment 4 to NC-0022, Page 8 of 8
315kV Hvac (MF to CF) TL - Spacer and	Spacer and Spacer Damper Accessories - Data Sheet
Spacer-Damper - Data Sheet	
23-Nov-11	21-Nov-11
315kV Hvac (MF to CF) TL - Spacer and	315kV HVAC (Muskrat Falls to Churchill Falls) Transmission

			Spacer-Damper - Data Sheet	
		Document Date Wrong	23-Nov-11	21-Nov-11
1.1.2			315kV Hvac (MF to CF) TL - Spacer and	315kV HVAC (Muskrat Falls to Churchill Falls) Transmission
			Spacer-Damper - Technical Specification	Line - Conductor Accessories - Scope of Work
		SLI Document Number incorrect (This document rejected)	505573-361C-4ZES-0027	505573-361C-4ZEW-0009
		Document Date Wrong	23-Nov-11	14-Oct-11
		Document Date Wrong	23-Nov-11	14-Oct-11
		Title Wrong	315kV Hvac (MF to CF) TL - Spacer and Spacer-Damper - Scope of Work	Spacer and Spacer Damper Accessories - Scope of Work
		Document Due Date incorrect on all documents		
000411	28-Nov-2011	Document Date Wrong	24-Nov-11	18-Nov-11
000412	28-Nov-2011	MFA-SN-CD-2800-CV-DD-0003-01 issued at Revision A2, but A1		
		not received yet (Memo sent & transmittal not processed)		
		Same file is attached to MFA-SN-CD-2800-CV-PL-0005-01 &		
		MFA-SN-CD-2800-CV-DD-0003-01 (Memo sent & transmittal		
000414	28-Nov-2011	Document Date Wrong	23-Nov-11	21-Nov-11
		SLI Rev. # in Nalcor Revision field	A1	РВ
		title error	315kV Hvac (MF to CF) TL - Spacer and Spacer-Damper - Technical Specification	Spacer and Spacer Damper Accessories - Technical Specification
000413	28-Nov-2011	Title Wrong	Bulk Excavation Work Technical	Bulk Excavation Work Technical Specification - Excavation -
1			Specification - Excavation	Excavation
	_	Wrong Revision (Memo sent & transmittal not processed)	Should be A2	Document states A1
		Title Wrong	Bulk Excavation Work Technical	Bulk Excavation Work Technical Specification - Roads
			Specification - Roads and Contractor	
			Laydowns	
3000-CL-0228	3	Title Wrong - References a meeting of a different date		Coordination Meeting Component 1 - Engineering 27- September-2011 - Rec'd this on 29-Nov-2011
3800-CL-0078	3	Wrong Transmittal Sent in with MOM - Had to go back and ask for correct transmittal - resent under transmittal 3800-CL-0086		Tranmittal number mistyped on original 3800-CL-0078 transmittal - it appeared 3800-CO-0078 - Rec'd this on 29- Nov-2011
000430	30-Nov-2011	Wrong document date	6-Sep-11	28-Nov-11
000473		Sent in B1 but A1 still out for Review		
000477	08-Dec-2011	Scans poor quality & 1 Nalcor Number wrong	LCP-SN-CD-2400-ME-SE-0001-01	MFA-SN-CD-2400-ME-SE-0001-01
SLI-LCP-TRAN		3 Specs (out of 17) have wrong Nalcor Number on cover pages		
0000-CL-042	04-Jan-2012	Title on transmittal and details of email different than attached correspondence to be entered. Correspondence S011-L010-200 170330-00138 is what was attached.	÷	Transmittal refers to different subject than what was attached.
0000-CL-042	03-Jan-2012	transmital and minutes were sent in one file - had to be seperated in order to be put in Documentum. SLI Minutes		
SLI-LCP-TRAN	10-Jan-2012	number on record also has n/a at the end. DOCUMENT DATE ON DOCUMENT IS LISTED INCORRECTLY ON TRANSMITTAL		
SLI-LCP-TRAN	10-Jan-2012	DOCUMENT DATE ON DOCUMENT IS LISTED INCORRECTLY ON TRANSMITTAL		
SLI-LCP-TRAN		DOCUMENT DATE ON DOCUMENT IS LISTED INCORRECTLY ON TRANSMITTAL		
SLI-LCP-TRAN		1 Wrong file (older rev) & status wrong on all (was approved for		
		use but should be issued for acceptance		

CIMFP Exhibit P-02480	Page 25
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one PDF file Attachment 5 to	NC-0022, Page 1 of 4

Attn: Document Control Nalcor     Action       Recipients     2:     Hussey, Pat, Nalcor Energy       2:     Debourke, Darren, Nalcor Energy       3:     Debourke, Darren, Nalcor Energy       4:     Jackman, Anthony, Nalcor Energy       5:     Kennedy, Paul, Nalcor Energy       6:     Bechard, Normand, SNC Lavalin Inc.       7:     Gillis, Nick       8:     Over, Ed, SNC Lavalin Inc.       9:     Wilcox, Fred, SNC Lavalin Inc.       10:     Morrison, Ken	Req'd: n: For Inf Fl Fl Fl Fl Fl Fl Fl Fl Fl Fl Fl Fl	omation Date Reg'd		FR Da Lo Ph Fa Wa By	e are fo ': JRPOSI	ousign hurchill orwardi PE E: Fo	Il Proje Ing the DM (Sh or infor	11 ect 3 follow mation	)		ents to		e 1 of 1
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SNC+LAV	ALIN	MINUTES OF MEETING
Minutes No.:	505573-0000-52MC-I-0001 n/a	
Prepared by:	Daniel Tousignant	Date: 22 December, 2011
Meeting date:	21 December, 2011	Project: Lower Churchill Project
Location:	Powerhouse Room	
Subject:	Construction Power Packages	· · · · · · · · · · · · · · · · · · ·
Attendees:	SNC-Lavalin:	an and an
	Ken Morrison	Ken O'Keefe
	Hartfield Stevens	Shauna Crosbie
	Ashok Vyas	Chris Walsh
	Nalcor Energy:	
	Anthony Jackman	Darren Debourke
	Paul Kennedy	

	Notes
tem No.	Description
1.	Safety briefing was done by Shauna who reminded the attendees that the braking distance increases on snowy roads. She had a minor accident the evening before with no injury.
2.	The status of the ten Construction Power Packages is presented in the attachment to these Minutes.
3.	Schedule: The Pre Fab Building PD0522 is required on site on 1 <sup>st</sup> July and the other packages on 1 <sup>st</sup> June.
4,	Priority packages have been identified. The most critical is PD0522 followed by PD0531. This last package is the most at risk for not meeting the delivery schedule. Suppliers will be contacted to attempt to improve the quoted delivery schedule.
5,	Assuming that all POs are issued before 12 <sup>th</sup> January, this provides 20 weeks delivery lead time until 1 <sup>st</sup> June and 24 until 1 <sup>st</sup> July.
6.	As presented in the attached table, we have selected a preferred bidder for 7 packages even if some technical clarifications are still outstanding. Technical information is also missing for the remaining 3 Packages as well as some quality questionnaires are not completed. The participants were reminded to expedite on an urgent basis the collection of the missing documents and information.

7.

Draft of the 7 package recommendations for which we a preferred bidder have been selected will be completed in draft form before 23 December.

Attachment 5 to NC-0022, Page 3 of 4

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Attachment 5 to NC-0022, Page 4 of 4

#### POWER CONVERSION PACKAGES

#### Date: 22-Dec-2011

17. C. M. C.

No. 1	1	Commercial		Technical			Quality				
Package	Bidders	Price Ranking	Weeks ARO	Pass Fall	Comments	Pass Fail	Comments	- Clarifications	Actions Remaining/Comments	Recommendatio	
PD0514-Circuit Breakers	Alstom	First	20	Pass	and the second se	Pass	and the second second second	Completed		Recommende	
Buyer: Shauna Crosbie	Siemens	Second	22	Pass		Pass	the system state of a second state of the	Completed			
	ABB	Third	28	Pass		Pass		Completed			
Priority 1	Schneider		20	Fall	Disqualified, partial proposal			Contraction and the second second		Factor File State	
PD0515-Terminal Station Sw.	Aesco	First	16	Fail	Not Complete	T	Waiting for ranking	1	a the second	and the second	
Buver: Ken O'Keefe	Alstom	Second	22-Jan	Pass	and the second se	Pass					
	Graybar	Third	15	Pass	And the second	Pass					
PD0518-Capacitor Volt, Trans.	Alatam	First	16	Pass		T	The second s	Completed		Recommende	
Buyer: Shauna Crosbie	Trench	Second	18	Pass		Pass	Andrew descenden and termine statistica	Completed	the second s	Recollenende	
Buyer. Shauna Grosbie	ABB	Third	32	Pass		Pass		Completed	and the state of the second	Constant days of an owner	
	IABB	Inira	32	Pass		Pass	Transferration and the second	Completed		S	
PD0519-Vacuum interrupters	Toshiba		9	Fail	Not compliant	1	a second a s	-	Proposed price not realistic		
Buyer: Shauna Crosbie	Siemens	First	20	Pass		-	Waiting for Ranking	Completed	ne ni ini mata a mata na mata ini ang	Recommende	
the second s	Joslyn	Second	20	Fail	a second and a second	Pass	a second and the second se	Completed			
Priority 1	Schneider	Third	22	Pass	C. Cacinonina (Cara	Fail	Score 54.75% (min is 60%)	Completed		Laurin marine	
PD0520-Capacitor Banks	ABB	First	22	Pass	N	Pass	The second s	Completed	- A Construction of the Action	Recommende	
Buyer: Shauna Crosble	Cooper		20	Pass		Pass	and a second sec	Completed			
Priority 1	Alstom	Third	26	Pass	and the state of the	Pass		Completed		and the second se	
	1	1	le.	In	Protection in the second	Incore				Recommende	
PD0522-Pre Fab Building	AZZ	First	24	Pass		Pass		a designed and the second s	in the second	Recommende	
Buyer: Ken O'Keefe	Grimard	Second	24	Pass	the second s	Pass	in the second	e den server som her som fiktion	and the second		
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Priority 1 (Critical)	Internetion	Fifth	40+	- Lugasian	Not evaluated	al.	Anter a security commence a security is a security of the	ng panganang ng panganang panganang panganang panganang panganang panganang panganang panganang panganang panga Panganang panganang pa	Price very righ	Longer	
PD0523-Substation	Carte	First	23	Pass	Acceptable	-	Waiting for evaluation	Completd		Recommended	
ServiceTransformer	ABB	Not Compliant	-	Fail	Aluminum wiring vs copper	-		i and a second second	and the second se	-	
Buyer: Hartfield Stevens	1	1				1			in and proper size of the property of the second	Language and	
PD0529-Reclosers, MV	Siemens	First	24	Pass			Waiting Questionnaire				
Switches and Fuse Cut-out	T & Betts	Second	20	1 Sugar	Evaluation to be completed	Fail	a la companya and train and a second and a		and the second state of the second states and the		
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PD0530-Reclosers, MV	ABB	Contraction (Section 1)	26	Pass	Not Completed	ni materiana	Completed		Outstanding issues	the second	
Switches and Fuse Cut-out	Cooper	Contra and and the state	23	Pass	Not Completed	1	Completed	A Dimension and the second	Outstanding Issues		
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PD0531-Instrument	Schneider	T	1.20	1	I and a second second	T		I and the second second		L.	
Transformer	ABB	and the second second second	1			Pass		and the second se		the second second	
Buyer: Ken O'Keefe	1	-	-	1					and the summer of the summer of the		
Priority 1 (Critical)		a state of the sta		1	4	-	Contraction of the second seco				

## Thread - Reference No: NE-LCP-MEMO-000253

Thread	Mail No	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- TRANSMIT- 000619	Transmittal	LC-G-002 - ENVIRONMENTAL MANAGEMENT PLAN - 0000-CL- 0436	Ms Lynn Stockley - SNC- Lavalin Inc.	LCPDCC Nalcor Document Control - Nalcor Energy	N/A	12/01/2012
4 <b>2</b> 2	NE-LCP-MEMO -000253	Memorandum	Re: LC-G-002 - ENVIRONMENTAL MANAGEMENT PLAN - 0000-CL- 0436	Crystal Knight - Nalcor Energy	Ms Lynn Stockley - SNC-Lavalin Inc.	N/A	12/01/2012

LCP Revision Controlled Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



Reference No: SLI-LCP-TRANSMIT-000619

#### NE-LCP-MEMO-000253

Memorandum	M	ler	nor	an	du	m
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То	Ms Lynn Stockley - SNC-Lavalin Inc.
E Cc (4)	Nicole Collins - Nalcor Energy
	Mr David Green - Nalcor Energy
	Ms Marion Organ - Nalcor Energy
	Ms Victoria Stanford - Nalcor Energy
From	Crystal Knight - Nalcor Energy
Sent	Thursday, 12 January 2012 4:40:34 PM NST (GMT -03:30)
Status	N/A
Subject	Re: LC-G-002 - ENVIRONMENTAL MANAGEMENT PLAN - 0000-CL-0436

#### Hi Lynn,

Could you look at the attached file as it contains a "Submittal Release Form" which I believe maybe an internal sheet for you guys. Also, the total number of pages is not indicated on the cover page. Section 6 does not contain any information and all appendicies are missing and there is a blank page at the end.

Could you please review and re-submit?

Thank so much, Crystal

#### From: L Stockley

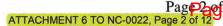
Sent: 12/01/2012 2:28:30 PM NST (GMT -03:30) To: LCPDCC Nalcor Document Control Cc: Jackie Drover, Lynn Stockley Mail Number: SLI-LCP-TRANSMIT-000619 Subject: LC-G-002 - ENVIRONMENTAL MANAGEMENT PLAN - 0000-CL-0436

Good Afternoon,

See attached for your acceptance.

Regards, Lynn

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# CIMFP Exhibit P-02480 Page 32

Document	Front	Sheet
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## Lower Churchill Project

## **Environmental Management Plan**

SLI Document No. 505573-0000-68RA-I-0004-00

Nalcor Reference No. MFA-SN-CD-0000-EV-PL-0001-B1

Date: 11-Jan-2012

by: Ken Dominie Environmental Engineer Ken Dominie Environmental Manager ed by:

Normand Bechard Project Manager

Prepared by:

Verified by:

Approved by:

ATTACHMENT 6 TO NC-0022, Page 6 of 12

	Environmental Management Plan		Revision		
<b>V</b> )	Nalcor Doc. No. MFA-SN-CD-0000-EV-PL-0001	B1	Date	Page	
SNC · LAVALIN	SLI Doc. No. 505573-0000-68RA-I-0004	00	11-Jan-2012	41	

## ENVIRONMENTAL DOCUMENT REGISTRY – PART B

6

# CIMFP Exhibit P-02480 Page 35

	Environmental Management Plan		Revision	
•))	Nalcor Doc. No. MFA-SN-CD-0000-EV-PL-0001	B1	Date	Page
SNC+LAVALIN	SLI Doc. No. 505573-0000-68RA-I-0004	00	11-Jan-2012	42

## **APPENDIX A**

We Care Statement

# CIMFP Exhibit P-02480 Page 36

	Environmental Management Plan		Revision		
<b>*</b> ))	Nalcor Doc. No. MFA-SN-CD-0000-EV-PL-0001	B1	Date	Page	
SNC+LAVALIN	SLI Doc. No. 505573-0000-68RA-I-0004	00	11-Jan-2012	43	

## **APPENDIX B**

## **Inspection Report**

(1)	Environmental Management Plan		Revision	
<b>*</b> )	Nalcor Doc. No. MFA-SN-CD-0000-EV-PL-0001	B1	Date	Page
SNC · LAVALIN	SLI Doc. No. 505573-0000-68RA-I-0004	00	11-Jan-2012	44

## Appendix C

**Environmental Compliance Audit Report Template** 

	Environmental Management Plan		Revision		
<b>&gt;</b> ))	Nalcor Doc. No. MFA-SN-CD-0000-EV-PL-0001	B1	Date	Page	
SNC+LAVALIN	SLI Doc. No. 505573-0000-68RA-I-0004	00	11-Jan-2012	45	

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# CIMFP Exhibit P-02480 ATTACHMENT 6 TO NC-0022, Page 11 of 12 ge 39

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Appendix E Procedures
Procedures

# CIMFP Exhibit P-02480 ATTACHMENT 6 TO NC-0022, Page 12 of f2 ge 40

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## Thread - Reference No: SLI-LCP-TRANSMIT-000606

-							
Thread	Mail No 1	Туре	Subject	From	Recipients	Status	Date
	SLI-LCP- T TRANSMIT- 000606	Transmittal	LC-G-002 315kV HVac MF to CF Assembly Drawings (4600-CL-0140)	Mrs Joan Antle - SNC-Lavalin Inc.	LCPDCC Nalcor Document Control - Nalcor Energy	Outstanding	10/01/2012
	sion Controlled ce, 500 Columbus Dri	ive					

Hydro Place, 500 Columbus Drive P.O. Box 12800 St. John's Newfoundland A1B 0C9 Canada



# **SNC · LAVALIN**

SLI-LCP-TRANSMIT-000606

## **Transmittal**

То	LCPDCC Nalcor Document Control - Nalcor Energy		
Cc	Ms Jackie Drover - SNC-Lavalin Inc.		
From	Mrs Joan Antle - SNC-Lavalin Inc.		
Sent	Tuesday, 10 January 2012 1:32:32 PM NST (GMT -03:30)		
Reason	Issued for Review		
Status	Outstanding		
Response	Respond by	25/01	/2012
Subject	LC-G-002 315kV HVac MF to CF Assembly Drawings (4600-CL-0140)		

#### Document Attachments (4)

			U	odate Register	View Attachment Properties Actions D	ownload Files
델	File	Document No	Revision	Document Date	Title	Status
Г	∑ ₹	MFA- <mark>SN-CD-6140-TL-</mark> DD-0029-02	A1	28/11/2011	315kV HVac Muskrat Falls to Churchill Falls Tangent Suspension Assembly - Sheet 2 of 2	Issued for Review
	∑ ▼	MFA-SN-CD-6140-TL- DD-0030-02	A1	28/11/2011	315kV HVac Muskrat Falls to Churchill Falls Angle Suspension Assembly - Sheet 2 of 2	Issued for Review
Г	<u>7</u>	MFA-SN-CD-6140-TL- DD-0031-02	A1	28/11/2011	315kV HVac Muskrat Falls to Churchill Falls Dead End Assembly - Sheet 2 of 2	Issued for Review
Г	<b>⊼</b> ▼	MFA-SN-CD-6140-TL- DD-0035-02	A1	28/11/2011	315kV HVac Muskrat Falls to Churchill Falls Dead End Assembly for Slack Span - Sheet 2 of 2	lssued for Review

#### Good Afternoon

Please see the above noted drawings for review. Reissued as the document dates were incorrect.

Thanks Joan

Refer To

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Attachment 8 to NC-0022, Page 1 of 3

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Page 44