## FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

# CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:		FND-VD- 22	Date:	2013-03-08
This Certificate of Acceptanc	e includes the followin	ng items, reviewed and accepte	d by the undersigned	d:
		cavation Checklist (from SNC);		
Photo of the accepted area			Vault Dike Stations)	);
4) Any other relevant docume	entation complemental	ry to this approval.		
		orised personnel representing (	Quality Control (QC)	Program, Quality
Assurance (QA) Program and	d the Owner Represe	ntative.		
Topography of the approved for confirmed by the undersigned		s been surveyed for documenta	ition and as-built pur	poses, as
The area is accepted as per the required to be maintained prior		ns at the time of the inspection	and the condition of	the foundation is
		ement.		
Owner Representative	Name: Position:	AEM- MINEY RE	)	
QC Representative	Name:	Helissa la	apointe	Desbiens
QA Engineer	Name:	ST-LAURENT	J- FRANCIS	Japointe Dobin
Surveyor	Position:	By CLOU	SILATTRE	-
	Position:	FGL-	2000	



## APPROBATION FORM

PROJECT:	Constructio	n of Vault Dike						THE RESERVE THE PERSON NAMED IN COLUMN	
PROJECT #:	611614 DATE: 2013-03-08								-
DOCUMENT #:	20130	308-01			CLIENT:		AEN		_
	(YYYYMMDD	-01)					ALI	1	
APPROBATION F	or:	Foundation Appro-							
		Foundation Approv							_
		Fill Placement (	5-20 m	m+)	Bendo	1-1-	10		_
		Other				niv	•		_
LOCATION	•		PREVIOUS A	PPROV	ATIONS				7
FROM STATION:	0+50g	•	FROM:						
TO:	0+2	52	TO:			N. Control of the Con			
ELEVATION:	3 VARIES								
		m							
									-
RESPECT TO THE	SPECIFICATIO	NS ACCORDING TO:		Q,		CATIONS I		N/A	
				Y	N	Y	N	IWA	-
<ol> <li>Quotes and</li> </ol>	lines respecte	ed		Ø					
<ol><li>Free of Ice /</li></ol>	Snow / Wate	r		X					
<ol><li>Gradation (v</li></ol>	risual)			X					
4. Placement (	in regards to	segregations, lift thic	ckness)	2					
<ol><li>Compaction</li></ol>				74		П			
6. Foundation	on Bedrock			ъ				×	
7. As built surv	ey completed			Ø		П		~	
8									
9									
DETAILS (REFER T	O NUMBER AB	OVF)	ı						J
ITEM						API	PROVED	BY:	
						QA		QC	
· ·									
				0101/4					
APPROVED BY:	OA REDE	RESENTATIVE	Na	SIGNA	KURE		7955	ATE 2	att
		RESENTATIVE	(Illino)	5 7/10				-03-	_
		REPRESENTATIVE	Molu	a you	pourlo	Joshu	201	5-03-	08
				9					

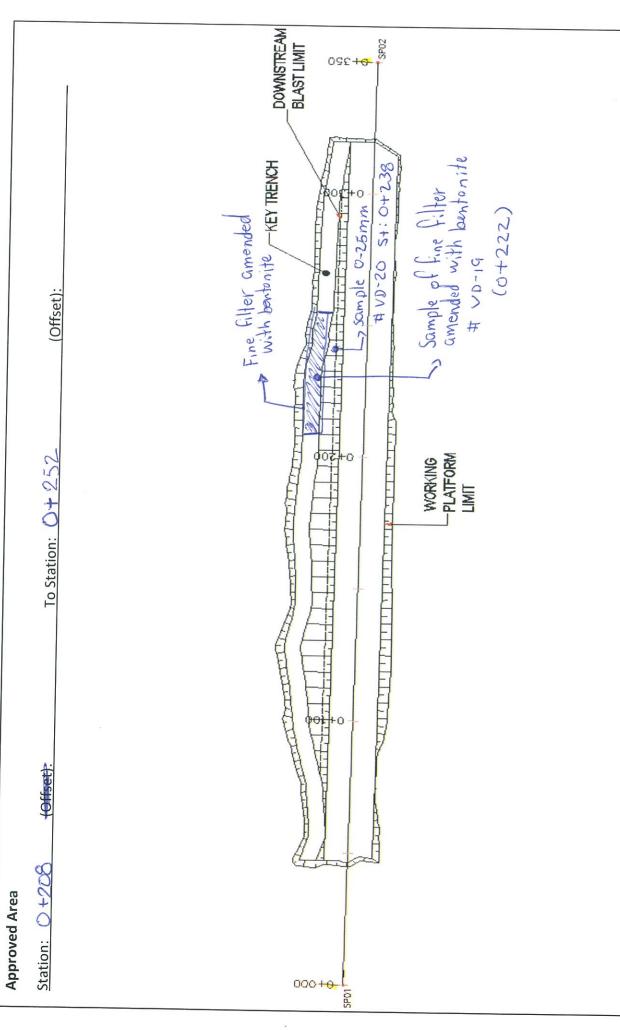


Figure 1 - Approximate approved foundation area

Date: 2013-03-08

Sketch by (Initial):

## FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

Cill

## CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:	FND-V	D- 23	Date:	2013-03-09
This Certificate of Acceptance inclu	udes the following items, re-	viewed and accep	pted by the undersigned	l:
1) Foundation and Key Trench Pre	paration and Excavation Cl	necklist (from SN	C);	
2) Sketch of the approximate accept	oted area, incl. Station and	Offset (according	to Vault Dike Stations);	;
3) Photo of the accepted area, at the	ne moment of the acceptant	ce;		
4) Any other relevant documentation	on complementary to this ap	pproval.		
The area has been inspected and a	accepted by autorised pers	sonnel representir	ng Quality Control (QC)	Program, Quality
Assurance (QA) Program and the	Owner Representative.			
Topography of the approved foundation	ation surface has been surv	veyed for docume	entation and as-built pur	poses, as
confirmed by the undersigned surve	eyor.			
The area is accepted as per the fou	undation conditions at the ti	me of the inspect	ion and the condition of	the foundation is
required to be maintained prior to a	nd during fill placement.			
Owner Representative	Name:	Day	$\chi$	
	Position: AE	M- Owner	ROD.	
QC Representative	Name:	Méliss	a lapointe	Desbieno
	Position: INS	SPEC-SOL-	111	pointe Soun
QA Engineer	Name:	1- FRANK	Dis Steller	ENI
	Position: SN	C- Framo	, 49	and the same of th
Surveyor	Name:	Roberi	+ clou	ATRE_
	Position: FG	L. Do	660	er 5



#### APPROBATION FORM

PROJECT:	Construction	on of Vault Dike						
PROJECT #:					DATE:	2013-	-03-0	Ci
DOCUMENT #:					CLIENT:	2010	AFN	1
	(YYYYMMDD	1-01)					/1/	
APPROBATION FO	OR:	Foundation Appro	val (Footprint	)				
		Foundation Appro	val (Key Tren					
		Fill Placement (	Subliner slope	)	0-20	mm	+ Ben	20
		Other						
LOCATION			PREVIOUS A	PPROVA	TIONS			
FROM STATION:	254		FROM:					
TO:	303		то:	0				
ELEVATION:	VARIES							
		m						
		-						
						CATIONS N	MADE BY:	
RESPECT TO THE	SPECIFICATIO	ONS ACCORDING TO:		QA		QC		N/A
(`1. Quotes and	lines respect	ted		Y	И	Y	И	
2. Free of Ice /				Z -				
3. Gradation (v		51		7				
1	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	segregations, lift thi	icknoos)	<b>3</b>				
5. Compaction		segregations, int till	chiless)	_				_
6. Foundation				7				
<ul> <li>✓. As built surv</li> </ul>		d		-	_	_	_	M
8. Slope is smoo		1/10	<del>-</del>	X				
9.	Hand Hat V	W do v w do	-11	X				
5.								
DETAILS (REFER T	O NUMBER A	BOVE)						
ITEM						AP	PROVED	BY:
						QA		QC
				SIGNA	THE			ATE
APPROVED BY:	OA RED	PRESENTATIVE	Kromo		JURE			3-09
		PRESENTATIVE	M. I.	300	$n_{ij} = 1$	Dal		
		REPRESENTATIVE	THUMA	701	10mg	1 July	13-03	5-09

Print 09/03/2013 1:55 PM

Approved Area

0+254 Station:

To Station: 0+303

(Offset):

with bentonite

000+0-

DOWNSTREAM

-KEY TRENCH

BLASTLIMIT

SP02

0

035+<del>0</del>

WORKING —PLATFORM LIMIT

- 2 compactions tests

Sketch by (Initial):

Date: 2013-03-09 Figure 1 - Approximate approved liner area

## FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

## CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:		FND-VD-	Date:	2013-03-10
This Certificate of Acceptance	ce includes the followin	ng items, reviewed and accep	ted by the undersigne	d:
1) Foundation and Key Trend	ch Preparation and Exc	cavation Checklist (from SNC	·);	
2) Sketch of the approximate	accepted area, incl. S	Station and Offset (according	to Vault Dike Stations	);
3) Photo of the accepted are	a, at the moment of the	e acceptance;		
4) Any other relevant docum	entation complementar	ry to this approval.		
The area has been inspected	d and accepted by auto	orised personnel representing	g Quality Control (QC	) Program, Quality
Assurance (QA) Program ar	nd the Owner Represer	ntative.		
Topography of the approved	foundation surface has	s been surveyed for documer	ntation and as-built pu	rposes, as
confirmed by the undersigned	d surveyor.			
The area is accepted as per	the foundation condition	ns at the time of the inspection	n and the condition o	f the foundation is
required to be maintained prid	or to and during fill plac	ement.		
Owner Representative	Name:	-00 B		
	Position:	AEM- OWNER	Rop.	
QC Representative	Name:	Mélissa lap	pointe Des	biens
	Position:	INSPEC-SOL-	Jéhan lap	milded struct
QA Engineer	Name:	J-FRANCOI	s 5,t-6	AGRENT
	Position:	SNC- France	diste	
Surveyor	Name:	4	, ,	
	Position:	FGL-		



#### APPROBATION FORM

PROJECT:	Construction	n of Vault Dike						
PROJECT #:	611614				DATE:	13-0	3-10	
DOCUMENT #:	2013031	0-01			CLIENT:			
	(YYYYMMDD							
APPROBATION F	OR:	Foundation Appro	val (Footprint	)				
		Foundation Appro	val (Key Tren	ich)				
		Fill Placement (	Subliner slope	)	0-20	mm	+ B	en Jon to
		Other						
LOCATION			PREVIOUS A	PPROVA	TIONS			
FROM STATION:	303		FROM:					
то:	322		то:					
ELEVATION:	☑ VARIES		1					
		m						
DEADEAT		62				CATIONS		
RESPECT TO THE	SPECIFICATIO	ONS ACCORDING TO:		Q.A Y		QC		N/A
Quotes and	lines respect	ted			N	Y	И	
	Snow / Wate							
Gradation (v		51		<b>A</b>				
		segregations, lift thi	-l	A				
Compaction		segregations, int thi	ckness)	□ □				
6. Foundation				X				
								X
7. As built surv		3		X				
8. Slope is smoo	oth and flat							
9								
DETAILS (REFER 1	O NUMBER A	BOVE)						
ITEM						AP	PROVED	BY:
		to the second se				QA		QC
						. 📮		
						- 1		
				SIGNA	TUPE /			ATE
APPROVED BY:	OA RED	RESENTATIVE	Krown	SIGNA	1/		13-03	ATE - M
		RESENTATIVE	OMOLINA	7	n conta	A	12 00	14
		REPRESENTATIVE	-OHE WAS	or A	he wind	V	13-08	10

Print 09/03/2013 1:59 PM

Approved Area

Station: 0+303

To Station: 0+323

(Offset):

WORKING PLATFORM LIMIT

Fine Filter Amended W with bentonite (0+303+0 0+323)

DOWNSTREAM

-KEY TRENCH

**BLAST LIMIT** 

SP02

055+0

THE TAXABLE PARTY OF THE PARTY OF TAXABLE PARTY OF THE PARTY OF TAXABLE PA

000+0

SPOI

Sketch by (Initial):

Figure 1 - Approximate approved subliner slope area  $\frac{1}{2013}$  -  $\frac{1}{3013}$  -  $\frac{1}{3013}$  -  $\frac{1}{3013}$ 

#### LINER PREPARATION AND ACCEPTANCE

## CERTIFICATE OF ACCEPTANCE OF LINER CONDITION - VAULT DIKE

Acceptance No.:		LINER-VD-	Date:	2013-03-05
This Certificate of Acceptanc	e includes the followin	g items, reviewed and accepted	by the undersigne	d:
1) Foundation and Key Trend	h Preparation and Exc	cavation Checklist (from SNC);		
2) Sketch of the approximate	accepted area, incl. S	Station and Offset (according to V	/ault Dike Stations	;);
3) Photo of the accepted area	a, at the moment of the	e acceptance;		
4) Any other relevant docume	entation complementar	y to this approval.		
The area has been inspected	and accepted by auto	orised personnel representing Q	uality Control (QC	) Program, Quality
Assurance (QA) Program, Liu	ner Quality Control (Te	exel) and the Owner Representa	itive.	
Topography of the approved I	iner surface has been	surveyed for documentation and	d as-built purposes	s, as
confirmed by the undersigned	surveyor.			
The area is accepted as per the	ne liner conditions at tl	he time of the inspection and the	condition of the li	ner is
required to be maintained prio				
Owner Representative	Name:	AN FOR	)	
	Position:	AEM- OWNER R	D.	
QC Representative	Name:	INSPEC-SOL- Méli	ssa Lapo	ointe Desbiens
Liner Quality Control Rep	Name:	TEXEL- ADD	roval from	m Texel
QA Engineer	Name:	St LAVREN	TIFR	Amois
	Position:	SNC- Memuji	SIL	
Surveyor	Name:	R, Clou	ATR	E
	Position:	FGL- 1202	5 2	



#### APPROBATION FORM

Telephone: (514) 393-1000 Fax: (514) 390-2765 www.snclavalin.com

PROJECT:	Constructio	n of Vault Dike						Marie Control of the
PROJECT #:	611614				DATE:	2013	-03-1	05
DOCUMENT #:	2013 03				CLIENT:	AEM	4	
	(YYYYMMDD	-01)						
APPROBATION FO	DR:	Foundation Appro	val (Footprint	)				
		Foundation Appro	val (Key Tren	ich)				
		Fill Placement (		)				
		Other Liner						
LOCATION			PREVIOUS A	PPROVA	TIONS			
FROM STATION:	120		FROM:					
TO:	160		то:					
ELEVATION:	VARIES			•				
		m						
					VERIFI	CATIONS N	MADE BY:	
RESPECT TO THE	SPECIFICATIO	NS ACCORDING TO:		Q.A		QC		N/A
Quotes and	lines respect	rad		Y	И	Y	И	_
2. Liner has no		ied.		<b>12</b> 1.				
		waves or bumps)						
Welding done		waves or bumps)						2
5. As built surve				<b>8</b>	_			
6. Patches done				B				
7. Liner QC tests	25			X		_		
9.	; ,							
-	v v							
DETAILS (REFER T	O NUMBER A	BOVE)						
ITEM							PROVED	
						QA		QC
					<del></del>	ō		
			~	SIGNA	TURE	0   1300	D.	ATE
APPROVED BY:	QA REP	RESENTATIVE	(Iromoic	SIL	0			03.09
	QC REP	RESENTATIVE	Melina	Solo	nte 1	drum	2013	03-75
	OWNER	REPRESENTATIVE	7	0/		- Jane		
	LINER QC	REPRESENTATIVE						70107-00311-0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0
1 11				1	1 1			

It the bottom Mope line was placed during the morning under the other crew supervision. So it is not possible for me to approve it.

04160

To Station:

0+170

Station:

Approved Area

DOWNSTREAM BLASTLIMIT 092+6 -KEY TRENCH St: 0+120 to 0+160) (Offset): · Geomembrane horizontal \* Bottom The was installed under the other WORKING order supervision. 000+0-SP01

Figure 1 - Approximate approved liner area

Date: 20/3-03-05

Sketch by (Initial):

#### LINER PREPARATION AND ACCEPTANCE

## CERTIFICATE OF ACCEPTANCE OF LINER CONDITION - VAULT DIKE

Acceptance No.:		LINER-VD- 02	Date:	2013-03-06
This Certificate of Acceptanc	e includes the followin	g items, reviewed and accepted	by the undersigne	ed:
Foundation and Key Trend	th Prenaration and Ev	cavation Checklist (from SNC);		
		Station and Offset (according to	Vault Dike Stations	s);
3) Photo of the accepted area				,
4) Any other relevant docume	entation complemental	ry to this approval.		
9				
The area has been inspected	and accepted by aut	orised personnel representing Q	Quality Control (QC	) Program, Quality
Assurance (QA) Program, Lii	ner Quality Control (T	exel) and the Owner Representa	ative.	
Tanagraphy of the control of			200 N 1000	
		surveyed for documentation an	d as-built purpose	s, as
confirmed by the undersigned	surveyor.			
The area is accepted as per the	ne liner conditions at t	he time of the inspection and the	condition of the li	ner is
equired to be maintained prio				
				is it
		1		
Owner Representative	Name:	400 CCTC		
	Position:	AEM- O.R.		
QC Representative	Name:	INSPEC-SOL- MEL	ssa lapo	inte Desbiens
iner Quality Control Rep	Name:	TEXEL- Sec Apr	proval from	ntexel
QA Engineer	Name:	Stayion St	- LAYREN	1
	Position:	SNC- Memois SH		
Surveyor	Name:	1 Ricco	WATRE	
	Position:	FGL- Doc	e Ce	



## APPROBATION FORM

PROJECT:	Const	tructio	n of Vault Dike						
PROJECT #:	61161	4				DATE:	2013-1	03-00	,
DOCUMENT #:	2013	03 06	-01			CLIENT:	AEI		
	(YYYY	MMDD	-01)						
APPROBATION F	OR:		Foundation Appro	val (Footprint	)				
			Foundation Appro	val (Key Tren	ch)				
			Fill Placement (		)	321			
		1	Other Liner			***************************************			
LOCATION	•			PREVIOUS A	PPROVA	TIONS			
FROM STATION:	160			FROM:					
то:	214			то:					_ =
ELEVATION:	Ø ∨A	RIES							
	-		m						
			- 2716						
						VERIFIC	CATIONS	MADE BY:	
RESPECT TO THE	SPECIF	CATIO	NS ACCORDING TO:		Q.A		QC		N/A
Quotes and	l linge re	enect	tod		Y	N	Y	И	
Liner has no			eu		N				
			waves or bumps)		X)				
Welding don			waves or bumps)						23
5. As built surv					Ø				
	1000	reteu			Ž.				
6. Patches done					X	_	_		
7. Liner QC test				_	X)				
9		-							
DETAILS (REFER	TO NUME	BER AE	BOVE)						
ITEM // i		1 1	0 11 9	1/1 ()	1		AP	PROVED	BY:
3 100+	00351	de t	o respect that	Specifically	n hu	aure	QA		QC
	's natu	yelly	bump and li	ines Ubedo	ling 15				
not	pufed	, ,							
(1000)				N	SIGNA	TURE		D	ATE
APPROVED BY:	Q	A REP	RESENTATIVE	Mamoir	5/1-	>		2013-0	
	Q	REP	RESENTATIVE	Velua	Jop.	ute Do	shiem	17	-03-06
	O	WNER	REPRESENTATIVE	FICAR	90			2013-	03-07
	LIN	IER QC	REPRESENTATIVE						

Approved Area

DOWNSTREAM BLASTLIMIT 09£+<del>0</del> Geomembrane Horizautal KEY TRENCH (St:0+140 to 0+ 190 (St: 0+190 to 0+214) - Seomembrane (Offset): WORKING -PLATFORM LIMIT To Station: 0+214 0+160 Station: 000+0

Figure 1 - Approximate approved liner area

Date: 2013-03-04

Sketch by (Initial):