

# **LINER PREPARATION AND ACCEPTANCE**

## **CERTIFICATE OF ACCEPTANCE OF LINER CONDITION - VAULT DIKE**

Acceptance No.:

LINER-VD-03

Date:

2013-03-07

This Certificate of Acceptance includes the following items, reviewed and accepted by the undersigned:

- 1) Foundation and Key Trench Preparation and Excavation Checklist (from SNC);
- 2) Sketch of the approximate accepted area, incl. Station and Offset (according to Vault Dike Stations);
- 3) Photo of the accepted area, at the moment of the acceptance;
- 4) Any other relevant documentation complementary to this approval.

The area has been inspected and accepted by authorised personnel representing Quality Control (QC) Program, Quality Assurance (QA) Program, Liner Quality Control (Texel) and the Owner Representative.

Topography of the approved liner surface has been surveyed for documentation and as-built purposes, as confirmed by the undersigned surveyor.

The area is accepted as per the liner conditions at the time of the inspection and the condition of the liner is required to be maintained prior to and during fill placement.

Owner Representative

Name:

*[Signature]*

Position:

AEM-Owner Rep.

QC Representative

Name:

INSPEC-SOL-

Melissa Lapointe Desbions

Liner Quality Control Rep

Name:

TEXEL-

See Approval from Texel

QA Engineer

Name:

FRANCOIS STANGRE

Position:

SNC-

*[Signature]*

Surveyor

Name:

R. CLOUTRE

Position:

FGL-

*[Signature]*

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.



Sustainable Mine Development  
Global Mining & Metallurgy  
380, St-Jacques Street  
Montreal (Quebec)  
Canada H2Y 1P5

Telephone: (514) 393-1000  
Fax: (514) 390-2785  
www.snc-lavalin.com

## APPROBATION FORM

PROJECT : Construction of Vault Dike  
PROJECT #: 611614  
DOCUMENT #: 20130307-01  
(YYYYMMDD-01)  
DATE: 2013-03-07  
CLIENT: AEM

APPROBATION FOR :  
☐ Foundation Approval (Footprint)  
☐ Foundation Approval (Key Trench)  
☐ Fill Placement ( )  
☒ Other Liner

LOCATION	PREVIOUS APPROVATIONS
FROM STATION: 214	FROM:
TO: 237	TO:
ELEVATION: <input checked="" type="checkbox"/> VARIES _____ m	

### RESPECT TO THE SPECIFICATIONS ACCORDING TO:

1. Quotes and lines respected
2. Liner has no cracks or rips
3. Liner is smooth and flat (no waves or bumps)
4. Welding done properly
5. As built survey completed
6. Patches done?
7. Liner QC tests done?
8. \_\_\_\_\_
9. \_\_\_\_\_

VERIFICATIONS MADE BY:					
QA		QC			N/A
Y	N	Y	N		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

### DETAILS (REFER TO NUMBER ABOVE)

ITEM 3. As yesterday

### APPROVED BY:

QA QC

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY:  
QA REPRESENTATIVE  
QC REPRESENTATIVE  
OWNER REPRESENTATIVE  
LINER QC REPRESENTATIVE

### SIGNATURE

*Francis St...*  
*Melina Leconte Desb...*  
*...*

### DATE

2013-03-07  
2013-03-07  
2013-03-07

### Approved Area

Station: 0+214 (~~offset~~) To Station: 0+237 (Offset): \_\_\_\_\_

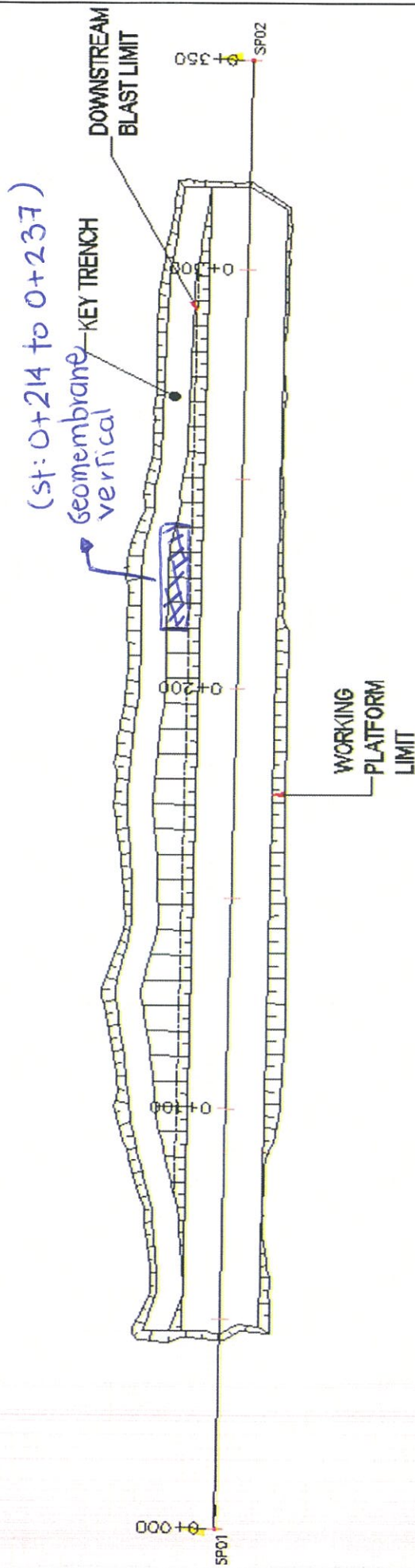


Figure 1 - Approximate approved liner area

Date: 2013-03-07

Sketch by (Initial): MA



## LINER PREPARATION AND ACCEPTANCE

### CERTIFICATE OF ACCEPTANCE OF LINER CONDITION - VAULT DIKE

Acceptance No.:

3

LINER-VD- 04

Date:

2013-03-08

This Certificate of Acceptance includes the following items, reviewed and accepted by the undersigned:

- 1) Foundation and Key Trench Preparation and Excavation Checklist (from SNC);
- 2) Sketch of the approximate accepted area, incl. Station and Offset (according to Vault Dike Stations);
- 3) Photo of the accepted area, at the moment of the acceptance;
- 4) Any other relevant documentation complementary to this approval.

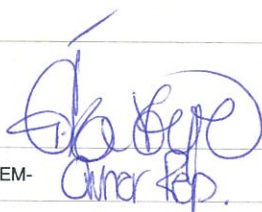
The area has been inspected and accepted by authorised personnel representing Quality Control (QC) Program, Quality Assurance (QA) Program, Liner Quality Control (Texel) and the Owner Representative.

Topography of the approved liner surface has been surveyed for documentation and as-built purposes, as confirmed by the undersigned surveyor.

The area is accepted as per the liner conditions at the time of the inspection and the condition of the liner is required to be maintained prior to and during fill placement.

Owner Representative

Name:



Position:

AEM-

QC Representative

Name:

INSPC-SOL-

Melissa Lapointe Desbiens

Liner Quality Control Rep

Name:

TEXEL-

See Approval from Texel

QA Engineer

Name:

J-François ST-LAURENT

Position:

SNC-

François St-L

Surveyor

Name:

R. CLOUATRE

Position:

FGL-

Rob

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.



Sustainable Mine Development  
Global Mining & Metallurgy  
360, St-Jacques Street  
Montreal (Quebec)  
Canada H2Y 1P5

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

## APPROBATION FORM

PROJECT : Construction of Vault Dike  
PROJECT #: 611614  
DOCUMENT #: 20130308-01  
(YYYYMMDD-01)  
DATE: 2013-03-08  
CLIENT: AEM

APPROBATION FOR :  
☐ Foundation Approval (Footprint)  
☐ Foundation Approval (Key Trench)  
☐ Fill Placement ( )  
☒ Other Liner

LOCATION		PREVIOUS APPROVALS	
FROM STATION:	237	FROM:	
TO:	258	TO:	
ELEVATION:	<input checked="" type="checkbox"/> VARIES m		

### RESPECT TO THE SPECIFICATIONS ACCORDING TO:

1. Quotes and lines respected
2. Liner has no cracks or rips
3. Liner is smooth and flat (no waves or bumps)
4. Welding done properly
5. As built survey completed
6. Patches done?
7. Liner QC tests done?
8. \_\_\_\_\_
9. \_\_\_\_\_

VERIFICATIONS MADE BY:				
QA		QC		N/A
Y	N	Y	N	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### DETAILS (REFER TO NUMBER ABOVE)

ITEM

_____	_____
_____	_____
_____	_____
_____	_____

### APPROVED BY:

QA	QC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY:  
QA REPRESENTATIVE  
QC REPRESENTATIVE  
OWNER REPRESENTATIVE  
LINER QC REPRESENTATIVE

SIGNATURE

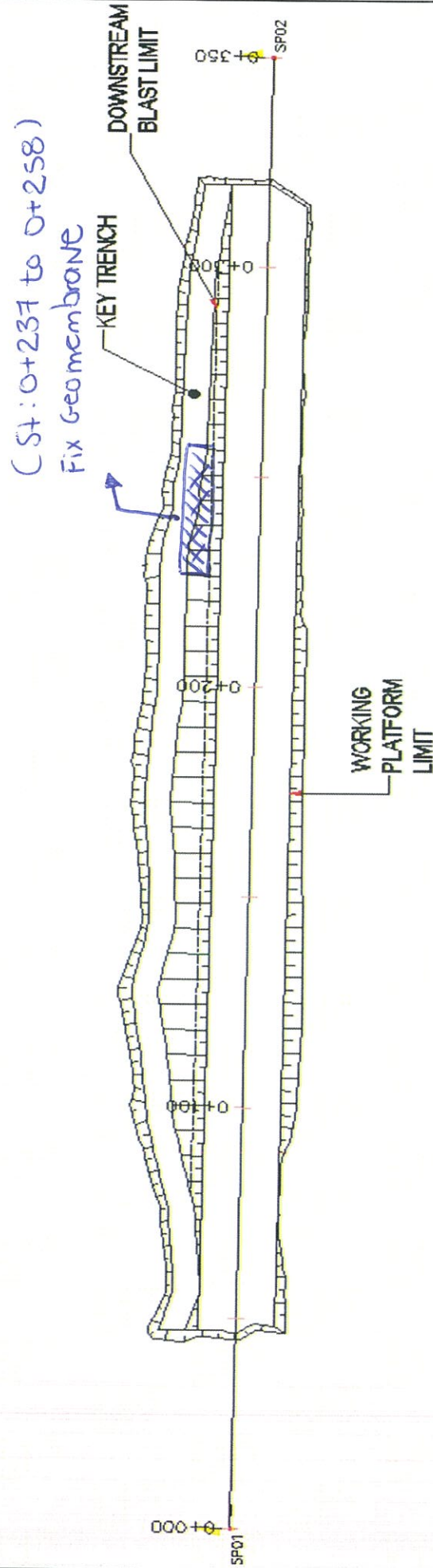
*[Signature]*  
*[Signature]*

DATE

2013-03-08  
2013-03-08

**Approved Area**

Station: 0+237 To Station: 0+258 (Offset): \_\_\_\_\_



**Figure 1 - Approximate approved liner area**

Date: 2013-03-08

Sketch by (Initial):

*MLD*



## LINER PREPARATION AND ACCEPTANCE

### CERTIFICATE OF ACCEPTANCE OF LINER CONDITION - VAULT DIKE

Acceptance No.:

LINER-VD-05

Date:

2013-03-09

This Certificate of Acceptance includes the following items, reviewed and accepted by the undersigned:

- 1) Foundation and Key Trench Preparation and Excavation Checklist (from SNC);
- 2) Sketch of the approximate accepted area, incl. Station and Offset (according to Vault Dike Stations);
- 3) Photo of the accepted area, at the moment of the acceptance;
- 4) Any other relevant documentation complementary to this approval.

The area has been inspected and accepted by authorised personnel representing Quality Control (QC) Program, Quality Assurance (QA) Program, Liner Quality Control (Texel) and the Owner Representative.

Topography of the approved liner surface has been surveyed for documentation and as-built purposes, as confirmed by the undersigned surveyor.

The area is accepted as per the liner conditions at the time of the inspection and the condition of the liner is required to be maintained prior to and during fill placement.

Owner Representative

Name:

Position:

AEM- Owner Rep.

QC Representative

Name:

INSPEC-SOL- MéliSSa lapointe D.

Liner Quality Control Rep

Name:

TEXEL-

QA Engineer

Name:

FRANÇOIS ST-LAURENT

Position:

SNC-

Surveyor

Name:

R. CLOUTIER

Position:

FGL-

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.



Sustainable Mine Development  
Global Mining & Metallurgy  
360, St-Jacques Street  
Montreal (Quebec)  
Canada H2Y 1P5

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

## APPROBATION FORM

PROJECT : Construction of Vault Dike  
PROJECT #: 611614  
DOCUMENT #: 26130309-01  
(YYYYMMDD-01)  
DATE: 2013-03-09  
CLIENT: AEM

APPROBATION FOR :  
☐ Foundation Approval (Footprint)  
☐ Foundation Approval (Key Trench)  
☐ Fill Placement ( )  
☒ Other Liner

LOCATION	PREVIOUS APPROVATIONS
FROM STATION: 260	FROM:
TO: 312	TO:
ELEVATION: <input checked="" type="checkbox"/> VARIES m	

### RESPECT TO THE SPECIFICATIONS ACCORDING TO:

1. Quotes and lines respected
2. Liner has no cracks or rips
3. Liner is smooth and flat (no waves or bumps)
4. Welding done properly
5. As built survey completed
6. Patches done?
7. Liner QC tests done?
8. Slope is smooth & flat
- 9.

VERIFICATIONS MADE BY:				
QA		QC		N/A
Y	N	Y	N	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### DETAILS (REFER TO NUMBER ABOVE)

ITEM


### APPROVED BY:

QA	QC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY:  
QA REPRESENTATIVE  
QC REPRESENTATIVE  
OWNER REPRESENTATIVE  
LINER QC REPRESENTATIVE

SIGNATURE  
Kramer SP  
Melissa Japonais D  
DATE  
13-03-09  
13-03-09



Approved Area

Station: 0+258

To Station: 0+312

(Offset):

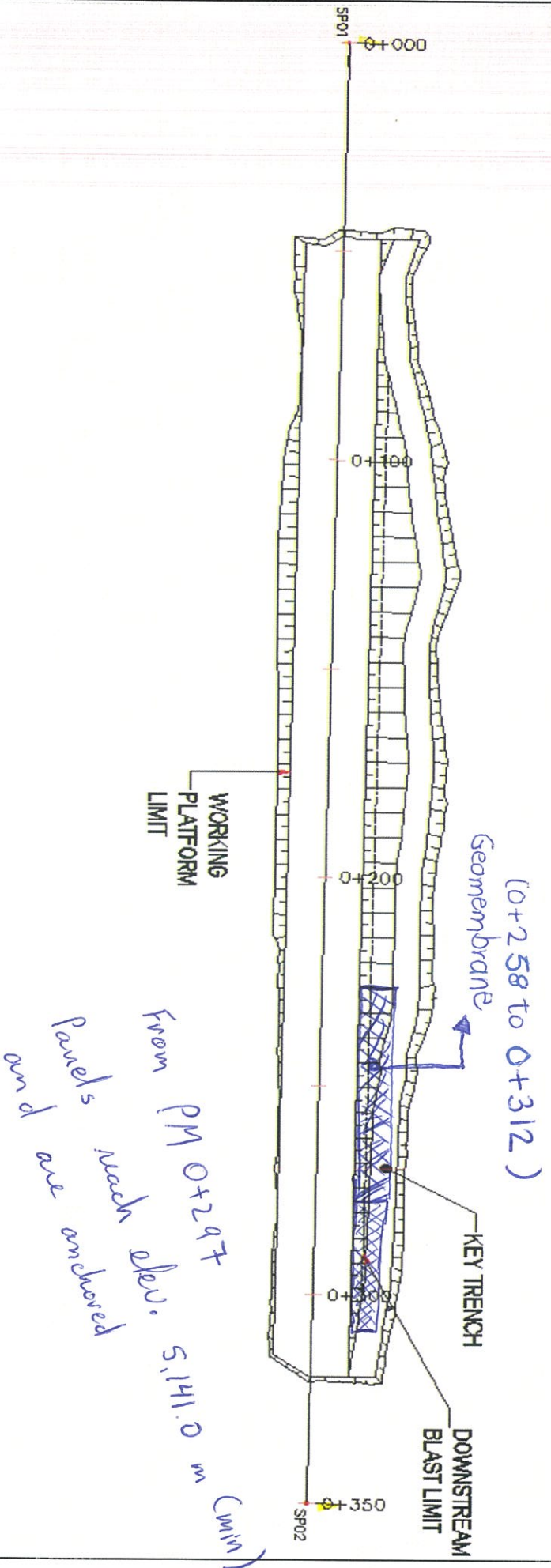


Figure 1 - Approximate approved liner area

Date:

2013-03-09

Sketch by (Initial):

UFB

## LINER PREPARATION AND ACCEPTANCE

### CERTIFICATE OF ACCEPTANCE OF LINER CONDITION - VAULT DIKE

Acceptance No.:

LINER-VD-

24 06

Date:

2013-03-10

This Certificate of Acceptance includes the following items, reviewed and accepted by the undersigned:

- 1) Foundation and Key Trench Preparation and Excavation Checklist (from SNC);
- 2) Sketch of the approximate accepted area, incl. Station and Offset (according to Vault Dike Stations);
- 3) Photo of the accepted area, at the moment of the acceptance;
- 4) Any other relevant documentation complementary to this approval.

The area has been inspected and accepted by authorised personnel representing Quality Control (QC) Program, Quality Assurance (QA) Program, Liner Quality Control (Texel) and the Owner Representative.

Topography of the approved liner surface has been surveyed for documentation and as-built purposes, as confirmed by the undersigned surveyor.

The area is accepted as per the liner conditions at the time of the inspection and the condition of the liner is required to be maintained prior to and during fill placement.

Owner Representative

Name:

  
Owner Rep

Position:

AEM-

QC Representative

Name:

INSPEC-SOL-

Melissa Lapointe Desbiens

Liner Quality Control Rep

Name:

TEXEL-

QA Engineer

Name:

J-FRANCOIS ST-LAURENT

Position:

SNC-

  
SA

Surveyor

Name:

Position:

FGL-

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.



Sustainable Mine Development  
Global Mining & Metallurgy  
360, St-Jacques Street  
Montreal (Quebec)  
Canada H2Y 1P5

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

## APPROBATION FORM

PROJECT : Construction of Vault Dike  
PROJECT #: 611614 DATE: 2013-03-10  
DOCUMENT #: 2013 0310-01 CLIENT: AEM  
(YYYYMMDD-01)

APPROBATION FOR : ☐ Foundation Approval (Footprint)  
☐ Foundation Approval (Key Trench)  
☐ Fill Placement ( )  
☒ Other Liner

LOCATION	PREVIOUS APPROVALS
FROM STATION: 0+73 to 113	FROM: _____
TO: 312 to 322	TO: _____
ELEVATION: <input checked="" type="checkbox"/> VARIES _____ m	

### RESPECT TO THE SPECIFICATIONS ACCORDING TO:

1. Quotes and lines respected
2. Liner has no cracks or rips
3. Liner is smooth and flat (no waves or bumps)
4. Welding done properly
5. As built survey completed
6. Patches done?
7. Liner QC tests done?
8. \_\_\_\_\_
9. \_\_\_\_\_

VERIFICATIONS MADE BY:					
QA		QC			N/A
Y	N	Y	N		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

### DETAILS (REFER TO NUMBER ABOVE)

ITEM

_____	_____
_____	_____
_____	_____
_____	_____

### APPROVED BY:

QA	QC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY: QA REPRESENTATIVE  
QC REPRESENTATIVE  
OWNER REPRESENTATIVE  
LINER QC REPRESENTATIVE

SIGNATURE

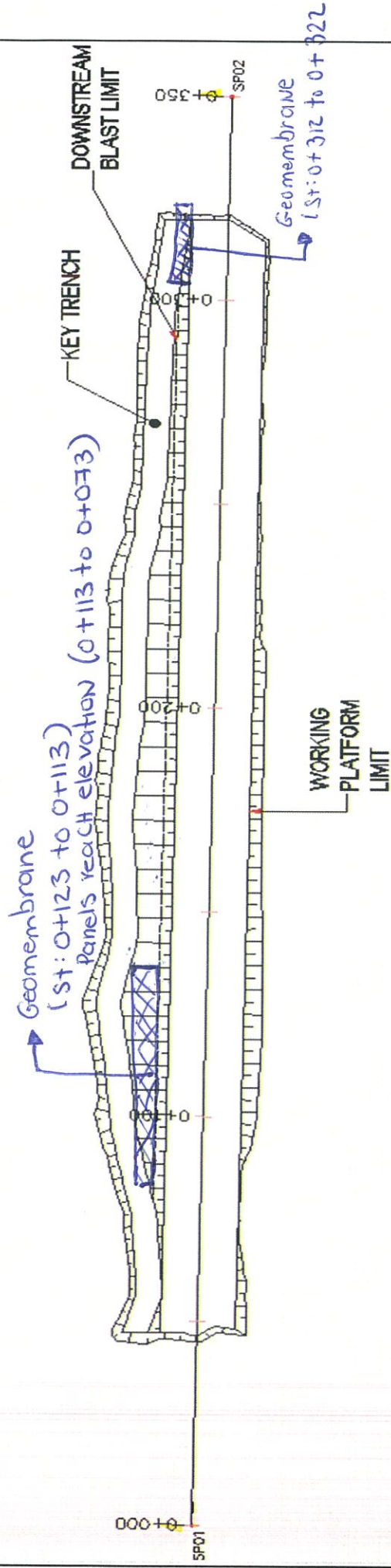
DATE

*Monica S.H.* 2013-03-10  
*Milena Lapointe Desbriens* 2013-03-10



**Approved Area**

Station: 0+312 to (Offset): 0+322 ] [ Station: 0+113 to (Offset): 0+073



**Figure 1 - Approximate approved liner area**

**Date:** 2013-03-10

**Sketch by (Initial):**

*Handwritten initials: mfd*

## LINER PREPARATION AND ACCEPTANCE

### CERTIFICATE OF ACCEPTANCE OF LINER CONDITION - VAULT DIKE

Acceptance No.:

LINER-VD- 07

Date:

2013-03-12

This Certificate of Acceptance includes the following items, reviewed and accepted by the undersigned:

- 1) Foundation and Key Trench Preparation and Excavation Checklist (from SNC);
- 2) Sketch of the approximate accepted area, incl. Station and Offset (according to Vault Dike Stations);
- 3) Photo of the accepted area, at the moment of the acceptance;
- 4) Any other relevant documentation complementary to this approval.

The area has been inspected and accepted by authorised personnel representing Quality Control (QC) Program, Quality Assurance (QA) Program, Liner Quality Control (Texel) and the Owner Representative.

Topography of the approved liner surface has been surveyed for documentation and as-built purposes, as confirmed by the undersigned surveyor.

The area is accepted as per the liner conditions at the time of the inspection and the condition of the liner is required to be maintained prior to and during fill placement.

Owner Representative

Name:

Position:

AEM-

QC Representative

Name:

INSPEC-SOL-

Liner Quality Control Rep

Name:

TEXEL-

QA Engineer

Name:

Position:

SNC-

Surveyor

Name:

Position:

FGL-

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.