



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057

PROJECT TITLE: Saddle Dam 1

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Nonasviit Baker Lake

PASSING TRIAL SEAMS

✓	FUSION	NO.	TIME	TECH ID	SHEET NUMBER: 4
	EXTRUSION	TF 2	9:30 AM	WH	DATE: Sept 22 / 2010
	SOLVENT	TF 3	9:50 AM	T.M	

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHKD BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
28/29	NEEOS - SWEOS	17:15	-1°	WH	55%	850F	850F	56 ft		Y.E			
29/30	NEEOS - SWEOS	17:26	-1°	WH	55%	850F	850F	54 ft		Y.E			
30/31	NEEOS - SWEOS	17:36	-1°	WH	55%	850F	850F	52 ft		Y.E			
31/32	NEEOS - SWEOS	18:20	-1°	WH	55%	850F	850F	50 ft		Y.E			
32/33	NEEOS - SWEOS	18:00	-1°	WH	55%	850F	850F	50 ft		Y.E			
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/	-					-	-						
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: Sept 23 / 2010



GEOMEMBRANE SEAM LOG

PROJECT TITLE: Saddle Dam 1

CONTRACTOR: Agnico Eagle Mines

LOCATION: Wynant Baker Lake

PASSING TRIAL SEAMS

✓	NO.	TIME	TECH ID
✓	TF4	9:00	W

SHEET NUMBER: 5

DATE: Oct 29 2010

[illegible]

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y. E.

DATE: Sept 29 / 2010

LS FORM 4

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10c-057

PROJECT TITLE: Saddle Dam 1

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Munson Baker Lake

PASSING TRIAL SEAMS

✓ FUSION	NO.	TIME	TECH ID	SHEET NUMBER: 6
EXTRUSION	TF5	13:50	BM	DATE: Oct 7/2010
SOLVENT	TF6	14:15	TM	

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
34/35	EE05 - WE05	17:32	-3°	TM	55%	460°	-	120 ft		Y.E			
35/36	EE05 - WE05	17:45	-3°	BM	50%	850°	-	120 ft	DS 5	Y.E			
36/37	EE05 - WE05	17:55	-4°	TM	55%	460°	-	120 ft		Y.E			
37/38	EE05 - WE05	18:15	-4°	BM	50%	850°	-	120 ft		Y.E			
38/39	EE05 - WE05	18:40	-4°	TM	55%	460°	-	120 ft		Y.E			
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DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E

DATE: Oct 11/2010



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057 PROJECT TITLE: Saddle Dam #1
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Monwest Baker Lake

PASSING TRIAL SEAMS

☒ FUSION ☐ EXTRUSION ☐ SOLVENT

NO.	TIME	TECH ID
TF7	13:25	Y.E
TF8	13:30	B.M

SHEET NUMBER: 7
DATE: Oct 8 / 2010

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
39/40	EEOS - WEOS	14:20		B.M	55%	850°	-	124 ft	DS 6	Y.E			
40/41	EEOS - WEOS	14:20		Y.E	30%	460°	-	127 ft		Y.E			
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DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: Oct 8 / 2010



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057 PROJECT TITLE: Saddle Dam 1
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Donovan Baker Lake

PASSING TRIAL SEAMS

✓ FUSION EXTRUSION SOLVENT

NO.	TIME	TECH ID
TF 9	8:00	Y.E
TF 10	8:15	B.M
TF 11	13:50	B.M
TF 12	13:55	Y.E

SHEET NUMBER: 8
DATE: Oct 10 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL				TEST DATE	CHECKED BY
41/42	EEO5	-WEO5	9:10	2°	Y.E	50%	460°	-	120 ft	Y.E			
42/43	EEO5	-WEO5	9:10	2°	B.M	50%	850°	-	120 ft	Y.E			
43/44	EEO5	-WEO5	11:50	4°	B.M	50%	850°	-	120 ft	Y.E	DS 7		
44/45	EEO5	-WEO5	11:50	4°	Y.E	50%	460°	-	120 ft	Y.E			
45/46	EEO5	-WEO5	15:15	5°	Y.E	50%	460°	-	120 ft	Y.E			
46/47	EEO5	-WEO5	15:15	5°	B.M	50%	850°	-	120 ft	Y.E	DS 8		
47/48	EEO5	-WEO5	17:45	3°	B.M	50%	850°	-	120 ft	Y.E			
48/49	EEO5	-WEO5	18:00	3°	Y.E	50%	460°	-	120 ft	Y.E			
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/	-	-					-	-					

DAILY TOTAL

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: Oct 10 / 2010

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057

OWNER: Agnico Eagle Mines

LOCATION: Monvest Baker Lake

PROJECT TITLE: Saddle Dam 1

CONTRACTOR: Agnico Eagle Mines

PASSING TRIAL SEAMS

	NO.	TIME		TECH ID
✓	TF 13	8:00		B.M

FUSION

EXTRUSION

SOLVENT

SHEET NUMBER: 9

DATE: Oct 12/2010

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
44/50	EE05	- WE05	10:10	1°	BM	50%	850°F	-	120		Y.E			
50/51	EE05	- WE05	10:40	1°	BM	50%	850°F	-	122	DS 9	Y.E			
51/52	EE05	- WE05	11:15	1°	BM	50%	850°F	-	122		Y.E			
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DAILY TOTAL														

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E

DATE: Oct 12/2010

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057

OWNER: Agnico Eagle Mines

LOCATION: Mount Baker Lake

PROJECT TITLE: Saddle Dam 1

CONTRACTOR: Agnico Eagle Mines

PASSING TRIAL SEAMS

✓	FUSION	NO.	TIME	TECH ID
	EXTRUSION	TF14	17:30	Y.E
	SOLVENT	TF15	17:35	W.H

SHEET NUMBER: 10

DATE: Oct 30 2010

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
52153	FEOS	WEOS	18:00	-11	W.H	50%	460°	-	118 ft					
53154	FEOS	WEOS	18:20	-11	W.H	50%	460°	-	118 ft					
54155	FEOS	WEOS	18:45	-11	W.H	50%	460°	-	118 ft	DS 10			1003/01	Y.E
55156	FEOS	WEOS	18:20	-11	Y.E	50%	850°	-	118 ft					
56157	FEOS	WEOS	19:27	-15	W.H	50%	460°	-	118 ft					
57158	FEOS	WEOS	19:27	-15	Y.E	50%	850°	-	118 ft					
58159	FEOS	WEOS	20:30	-15	W.H	50%	460°	-	118 ft	DS 11			1003/01	Y.E
59160	FEOS	WEOS	20:35	-15	Y.E	50%	850°	-	118 ft					
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/	-	-					-	-						
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DAILY TOTAL														

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E

DATE: Oct 30 2010



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057

OWNER: Agnico Eagle Mines

LOCATION: Norwest Beaver Lake

PROJECT TITLE: Saddle Dam 1

CONTRACTOR: Agnico Eagle Mines

PASSING TRIAL SEAMS

✓ FUSION

 EXTRUSION

 SOLVENT

NO. TIME TECH ID

TF 16	16:20	W.H

SHEET NUMBER: 14

DATE: Oct 31/2010

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
60161	EE05 - WE05	16:50	-10°	W.H	50%	460°	-	118 ft		Y.E			
61162	EE05 - WE05	17:45	-10°	W.H	50%	460°	-	118 ft		Y.E			
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DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E

DATE: Oct 31/2010



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057

OWNER: Agrius Eagle Mines

LOCATION: Norwest Baker Lake

PROJECT TITLE: Saddle Dam 1

CONTRACTOR: Agrius Eagle Mines

PASSING TRIAL SEAMS

✓	FUSION	NO.	TIME	TECH ID
	EXTRUSION	TF 17	15:20	W.H
	SOLVENT			

SHEET NUMBER: 12

DATE: Nov 1 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
64/110	W EOS - EOS	EOS	15:30	-9	W.H	50%	460°C	-	118 ft					
62/163	EOS - EOS	EOS	16:10	-9	W.H	50%	460°C	-	118 ft	DS12				
63/164	EOS - EOS	EOS	16:35	-9	W.H	50%	460°C	-	120 ft					
64/165	EOS - EOS	EOS	16:55	-9	W.H	50%	460°C	-	22 ft					
63/165	EOS - EOS	EOS	17:05	-9	W.H	50%	460°C	-	22 ft					
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DAILY TOTAL														

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E

DATE: Nov 1 / 2010



LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 100-057PROJECT TITLE: Saddle Dam 2OWNER: Agrios Eagle MinesCONTRACTOR: Agrios Eagle MinesLOCATION: Convent Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME		TECH ID
		TIME	TECH ID	
<u>✓</u> FUSION	<u>TX5</u>	<u>7:00</u>	<u>W.H</u>	
EXTRUSION	<u>TX8</u>	<u>8:00</u>	<u>W.H</u>	
SOLVENT	<u>TX9</u>	<u>7:30</u>	<u>W.H</u>	
	<u>TX10</u>	<u>11:30</u>	<u>W.H</u>	

SHEET NUMBER: 13DATE: Oct 29 / 2010
70 Oct 31 / 2010

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
<u>TIC-10 34 Tex House</u>	<u>SEOS</u>	<u>- NEOS</u>	<u>7:35</u>	<u>0°</u>	<u>W.H</u>	<u>525°F</u>	<u>520°F</u>	-	<u>23'</u>			<u>Oct 29/2010</u>		
<u>TIC-10 35 / 42</u>	<u>SEOS</u>	<u>- NEOS</u>	<u>9:00</u>	<u>-6°</u>	<u>W.H</u>	<u>525°F</u>	<u>525°F</u>	-	<u>161'</u>					
<u>TIC-10 42 / 51</u>	<u>SEOS</u>	<u>- NEOS</u>	<u>9:00</u>	<u>-12°</u>	<u>W.H</u>	<u>525°F</u>	<u>525°F</u>	-	<u>230'</u>					
<u>TIC-10 51 / 52</u>	<u>SEOS</u>	<u>- NEOS</u>	<u>11:35</u>	<u>-9°</u>	<u>W.H</u>	<u>525°F</u>	<u>525°F</u>	-	<u>23'</u>					
<u>/</u>	-	-					-	-						
<u>/</u>	-	-					-	-						
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<u>/</u>	-	-					-	-						
DAILY TOTAL														

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: V.EDATE: Nov 7 / 2010



PROJECT TITLE: Saddle Dam 1

CONTRACTOR: Agnes Eagle Mines

PASSING TRIAL SEAMS

SHEET NUMBER: 14
DATE: Nov 1 / 2010
To Nov 2 / 2010

[illegible]

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.É
DATE: Nov 7/2010

LS FORM 4

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 10C-057 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Norwest Beller Lake

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
TX914	7:30	W H
FUSION		
EXTRUSION		
SOLVENT		

SHEET NUMBER: 15
DATE: NOV 3/2010

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
1110-10 963/964	SEOS	- WEOS	10:00	-10°	W.H	525°F	520°F	-	5 ft					
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
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/	-						-	-						
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/	-						-	-						
DAILY TOTAL														

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: J.E
DATE: NOV 7/2010



CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Saddle Dam 2
PROJECT NUMBER: 171-104
OWNER: Munro (Aya Mine)
LOCATION: BAKER LAKE Nunavut

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: The surface of saddle Dam 2 is ready to install liner with a few minor details that in agreement with the contractor with double layer of geotextile is sufficient to proceed with the work

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: 09 September, 2011
Signature: Isabel Hernandez Vazquez
Name: Isabel Hernandez
Title: supervisor

OWNERS REPRESENTATIVE:

Date: 12/09/11
Signature: Elka Vayer
Name: Elka Vayer
Title: Ing.
Company: ACM



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Saddle Dam 2

OWNER: Agnew Eagle Mines

CONTRACTOR: AEM

LOCATION: Baker Lake Norwest

GEOMEMBRANE ☐ SECONDARY ☒ **PRIMARY** CLOSURE ☐ OTHER ☐

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Order lag of geotextile and LLDPE 60 mil Textured DATE: 09 Sep - 2011

SHEET NUMBER: 1

DEPLOYMENT EQUIPMENT: Grader bar and excavator

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>78</u>
PANEL/ROLL NUMBER	<u>227342-10</u>
DEPLOYMENT LENGTH	<u>15.5m</u>
AMBIENT AIR TEMP.	<u>6°</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>79</u> S= <u>77</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>79</u>
<u>227342-10</u>
<u>15.5m</u>
<u>6°</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>80</u> S= <u>78</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>80</u>
<u>227342-10</u>
<u>15.5m</u>
<u>6°</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>81</u> S= <u>79</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>81</u>
PANEL/ROLL NUMBER	<u>227342-10</u>
DEPLOYMENT LENGTH	<u>15.5m</u>
AMBIENT AIR TEMP.	<u>6°</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>82</u> S= <u>80</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>82</u>
<u>227342-10</u>
<u>15.5m</u>
<u>6°</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>83</u> S= <u>81</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>83</u>
<u>227342-10</u>
<u>15.5m</u>
<u>6°</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>84</u> S= <u>82</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>84</u>
PANEL/ROLL NUMBER	<u>227342-10</u>
DEPLOYMENT LENGTH	<u>15.5m</u>
AMBIENT AIR TEMP.	<u>6°</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>85</u> S= <u>83</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>85</u>
<u>227342-10</u>
<u>15.5</u>
<u>6°</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>86</u> S= <u>84</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>86</u>
<u>227342-10</u>
<u>15.5</u>
<u>6°</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>87</u> S= <u>85</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	
DEPLOYMENT LENGTH	
AMBIENT AIR TEMP.	
VISUAL OBSERVATION	
OBSERVED OVERLAP	
CHECKED BY	
ADJACENT PANEL	N= S= E= W=

PANEL LOCATION REFERENCE NUMBER
N= S= E= W=

PANEL LOCATION REFERENCE NUMBER
N= S= E= W=

SUBMITTED BY: Y.E

DATE: 09 Sep 2011



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Saddle Dam 2

OWNER: Agrico Eagle Mines

CONTRACTOR: Agrico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Deploy geotextile and LLDPE 60 mils Textured

DATE: 11 Sep, 2011

SHEET NUMBER: 2

DEPLOYMENT EQUIPMENT: spreader bar and excavator

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>87</u>
PANEL/ROLL NUMBER	<u>228451-10</u>
DEPLOYMENT LENGTH	<u>15.5m</u>
AMBIENT AIR TEMP.	<u>40°C</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>88</u> S= <u>86</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>88</u>
<u>228451-10</u>
<u>15.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>89</u> S= <u>87</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>89</u>
<u>228451-10</u>
<u>15.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>90</u> S= <u>88</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>90</u>
PANEL/ROLL NUMBER	<u>228451-10</u>
DEPLOYMENT LENGTH	<u>15.5m</u>
AMBIENT AIR TEMP.	<u>40°C</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>91</u> S= <u>89</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>91</u>
<u>228451-10</u>
<u>15.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>92</u> S= <u>90</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>92</u>
<u>228451-10</u>
<u>15.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>93</u> S= <u>91</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>93</u>
PANEL/ROLL NUMBER	<u>228451-10</u>
DEPLOYMENT LENGTH	<u>17.5m</u>
AMBIENT AIR TEMP.	<u>40°C</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>94</u> S= <u>92</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>94</u>
<u>228451-10</u>
<u>17.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>95</u> S= <u>93</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>95</u>
<u>N/A</u>
<u>17.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>96</u> S= <u>94</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>96</u>
PANEL/ROLL NUMBER	<u>N/A</u>
DEPLOYMENT LENGTH	<u>17.5m</u>
AMBIENT AIR TEMP.	<u>40°C</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>97</u> S= <u>95</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>97</u>
<u>228454-10</u>
<u>17.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>98</u> S= <u>96</u> E= W=

PANEL LOCATION REFERENCE NUMBER <u>98</u>
<u>228454-10</u>
<u>17.5m</u>
<u>40°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>99</u> S= <u>97</u> E= W=

SUBMITTED BY: Y.E

DATE: 11 Sep 2011



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE ☐ SECONDARY ☒ PRIMARY ☐ CLOSURE ☐ OTHER ☐

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of Geotextile under lay and LLDPE

DATE: 12 Sep 2011

SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT: _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>99</u>	PANEL LOCATION REFERENCE NUMBER <u>100</u>	PANEL LOCATION REFERENCE NUMBER <u>101</u>
PANEL/ROLL NUMBER	<u>228452-10</u>	<u>228452-10</u>	<u>228452-10</u>
DEPLOYMENT LENGTH	<u>17.5m</u>	<u>17.5m</u>	<u>17.5m</u>
AMBIENT AIR TEMP.	<u>8°C</u>	<u>2°C</u>	<u>2°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>100</u> S= <u>98</u> E= _____ W= _____	N= <u>101</u> S= <u>99</u> E= _____ W= _____	N= <u>102</u> S= <u>100</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>102</u>	PANEL LOCATION REFERENCE NUMBER <u>103</u>	PANEL LOCATION REFERENCE NUMBER <u>104</u>
PANEL/ROLL NUMBER	<u>228452-10</u>	<u>228452-10</u>	<u>228452-10</u>
DEPLOYMENT LENGTH	<u>17.5m</u>	<u>17.5m</u>	<u>17.5m</u>
AMBIENT AIR TEMP.	<u>2°C</u>	<u>2°C</u>	<u>2°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>103</u> S= <u>101</u> E= _____ W= _____	N= <u>104</u> S= <u>102</u> E= _____ W= _____	N= <u>105</u> S= <u>103</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>105</u>	PANEL LOCATION REFERENCE NUMBER <u>106</u>	PANEL LOCATION REFERENCE NUMBER <u>107</u>
PANEL/ROLL NUMBER	<u>228452-10</u>	<u>228452-10</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>17.5m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>2°C</u>	<u>4°C</u>	<u>4°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>106</u> S= <u>104</u> E= _____ W= _____	N= <u>107</u> S= <u>105</u> E= _____ W= _____	N= <u>108</u> S= <u>106</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>108</u>	PANEL LOCATION REFERENCE NUMBER <u>109</u>	PANEL LOCATION REFERENCE NUMBER <u>110</u>
PANEL/ROLL NUMBER	<u>227447-10</u>	<u>227447-10</u>	<u>227447-10</u>
DEPLOYMENT LENGTH	<u>19m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>4°C</u>	<u>4°C</u>	<u>4°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>109</u> S= <u>107</u> E= _____ W= _____	N= <u>110</u> S= <u>108</u> E= _____ W= _____	N= <u>111</u> S= <u>109</u> E= _____ W= _____

SUBMITTED BY: Y.E

DATE: 12-Sep-2011



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 126-104

PROJECT TITLE: Sadullo Dam 2

OWNER: Agrico Eagle Mines

CONTRACTOR: Agrico Eagle Mines

LOCATION: Baker Lake Noraut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of Geotextile underlay and 60 mil
LDPE textured overlay

DATE: 12-Sep-2011

SHEET NUMBER: 4

DEPLOYMENT EQUIPMENT:

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>111</u>	PANEL LOCATION REFERENCE NUMBER <u>112</u>	PANEL LOCATION REFERENCE NUMBER <u>113</u>
PANEL/ROLL NUMBER	<u>227447-10</u>	<u>227447-10</u>	<u>227447-10</u>
DEPLOYMENT LENGTH	<u>19m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>4°C</u>	<u>4°C</u>	<u>4°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>112</u> S= <u>110</u> E= W=	N= <u>113</u> S= <u>111</u> E= W=	N= <u>114</u> S= <u>112</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>114</u>	PANEL LOCATION REFERENCE NUMBER <u>115</u>	PANEL LOCATION REFERENCE NUMBER <u>116</u>
PANEL/ROLL NUMBER	<u>227447-10</u>	<u>228453-10</u>	<u>228453-10</u>
DEPLOYMENT LENGTH	<u>19m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>4°C</u>	<u>4°C</u>	<u>4°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>115</u> S= <u>113</u> E= W=	N= <u>116</u> S= <u>114</u> E= W=	N= <u>117</u> S= <u>115</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE: 12-Sep-2011



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104PROJECT TITLE: Saddle Dam 2OWNER: Agnico Eagle MinesCONTRACTOR: Agnico Eagle MinesLOCATION: Barker Lake MonowatGEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of Geotextile underlay and LLDPE geomil DATE: 13-Sep-2011overly SHEET NUMBER: 5DEPLOYMENT EQUIPMENT: Spreader Bar and excavator

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>117</u>	PANEL LOCATION REFERENCE NUMBER <u>118</u>	PANEL LOCATION REFERENCE NUMBER <u>119</u>
PANEL/ROLL NUMBER	<u>228453-10</u>	<u>228453-10</u>	<u>228453-10</u>
DEPLOYMENT LENGTH	<u>19m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>0°C</u>	<u>0°C</u>	<u>0°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>118</u> S= <u>116</u> E= _____ W= _____	N= <u>119</u> S= <u>117</u> E= _____ W= _____	N= <u>120</u> S= <u>118</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>120</u>	PANEL LOCATION REFERENCE NUMBER <u>121</u>	PANEL LOCATION REFERENCE NUMBER <u>122</u>
PANEL/ROLL NUMBER	<u>228453-10</u>	<u>228453-10</u>	<u>228453-10</u>
DEPLOYMENT LENGTH	<u>19m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>0°C</u>	<u>2°C</u>	<u>2°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>121</u> S= <u>119</u> E= _____ W= _____	N= <u>122</u> S= <u>120</u> E= _____ W= _____	N= <u>123</u> S= <u>121</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>123</u>	PANEL LOCATION REFERENCE NUMBER <u>124</u>	PANEL LOCATION REFERENCE NUMBER <u>125</u>
PANEL/ROLL NUMBER	<u>227337-10</u>	<u>227337-10</u>	<u>227337-10</u>
DEPLOYMENT LENGTH	<u>19m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>2°C</u>	<u>2°C</u>	<u>3°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>124</u> S= <u>122</u> E= _____ W= _____	N= <u>125</u> S= <u>123</u> E= _____ W= _____	N= <u>126</u> S= <u>124</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>126</u>	PANEL LOCATION REFERENCE NUMBER <u>127</u>	PANEL LOCATION REFERENCE NUMBER <u>128</u>
PANEL/ROLL NUMBER	<u>227337-10</u>	<u>227337-10</u>	<u>227337-10</u>
DEPLOYMENT LENGTH	<u>19m</u>	<u>19m</u>	<u>19m</u>
AMBIENT AIR TEMP.	<u>3°C</u>	<u>3°C</u>	<u>3°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>	<u>6"</u>	<u>6"</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>127</u> S= <u>125</u> E= _____ W= _____	N= <u>128</u> S= <u>126</u> E= _____ W= _____	N= <u>129</u> S= <u>127</u> E= _____ W= _____

SUBMITTED BY: Y.EDATE: 13-Sep-2011



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 120-104

PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: Installation of geotextile underlay and LLOPE
60mil over lay

DATE: Sep-13-2011

SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT: _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>129</u>
PANEL/ROLL NUMBER	<u>227337-10</u>
DEPLOYMENT LENGTH	<u>19m</u>
AMBIENT AIR TEMP.	<u>3°C</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>130</u> S= <u>128</u> E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER <u>130</u>
<u>N#</u>
<u>19m</u>
<u>3°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= <u>131</u> S= <u>129</u> E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER <u>131</u>
<u>N#</u>
<u>19.0m</u>
<u>3°C</u>
<u>Good</u>
N= <u>132</u> S= <u>130</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>132</u>
PANEL/ROLL NUMBER	<u>N#</u>
DEPLOYMENT LENGTH	<u>15.5m</u>
AMBIENT AIR TEMP.	<u>3°C</u>
VISUAL OBSERVATION	<u>Good</u>
OBSERVED OVERLAP	<u>6"</u>
CHECKED BY	<u>Y.E</u>
ADJACENT PANEL	N= <u>133</u> S= <u>131</u> E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER <u>133</u>
<u>227337-10</u>
<u>10.0m</u>
<u>3°C</u>
<u>Good</u>
<u>6"</u>
<u>Y.E</u>
N= _____ S= <u>132</u> E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER _____
N= _____ S= _____ E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER	
DEPLOYMENT LENGTH	
AMBIENT AIR TEMP.	
VISUAL OBSERVATION	
OBSERVED OVERLAP	
CHECKED BY	
ADJACENT PANEL	N= _____ S= _____ E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER _____
N= _____ S= _____ E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER _____
N= _____ S= _____ E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER	
DEPLOYMENT LENGTH	
AMBIENT AIR TEMP.	
VISUAL OBSERVATION	
OBSERVED OVERLAP	
CHECKED BY	
ADJACENT PANEL	N= _____ S= _____ E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER _____
N= _____ S= _____ E= _____ W= _____

PANEL LOCATION REFERENCE NUMBER _____
N= _____ S= _____ E= _____ W= _____

SUBMITTED BY: Y.E

DATE: Sep 13, 2011



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Saddle Dam 2
 OWNER: Agrio Eagle Mines CONTRACTOR: Agrio Eagle Mines
 LOCATION: Baker Lake Northwest

PASSING TRIAL SEAMS

✓ FUSION NO. TF 1 TIME 9:25 TECH ID BM
EXTRUSION NO. TF 2 TIME 9:30 TECH ID 0.0
SOLVENT NO. TIME TECH ID

SHEET NUMBER: 1
 DATE: Sep 9, 2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
77/78	EEOS - WEOS	16:29	6°	0.0	70%	850°F	-	15.5m		Y.E			
78/79	EEOS - WEOS	16:25	6°	B.M	70%	850°F	-	16.5m		Y.E			
79/80	EEOS - WEOS	16:38	6°	0.0	70%	850°F	-	16.5m		Y.E			
80/81	EEOS - WEOS	16:30	6°	B.M	70%	850°F	-	16.5m		Y.E			
81/82	EEOS - WEOS	16:55	6°	0.0	70%	850°F	-	16.5m		Y.E			
82/83	EEOS - WEOS	16:55	6°	B.M	70%	850°F	-	16.5m		Y.E			
83/84	EEOS - WEOS	17:07	6°	0.0	70%	850°F	-	16.5m		Y.E			
84/85	EEOS - WEOS	17:00	6°	B.M	70%	850°F	-	16.5m		Y.E			
85/86	EEOS - WEOS	17:15	6°	B.M	70%	850°F	-	16.5m		Y.E			
/	-					-	-						
/	-					-	-						
DAILY TOTAL								139.5m					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
 DATE: Sep 9, 2011



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104 PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines

LOCATION: Baker Lake, Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
FUSION	Tx1	14:00	Y.6
✓ EXTRUSION			
SOLVENT			

SHEET NUMBER: 1

DATE: Sep 10, 2011

SEAM NUMBER	SEAM START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
78-10	5805	-2605	14:15	50	Y.E	530°F	515°F	-	63m			From Panel 10 To 19		
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
DAILY TOTAL									130					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: Sep 10, 2011

LS FORM 4

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Saddle Dam 2
 OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
 LOCATION: Baker Lake, Nunavut

PASSING TRIAL SEAMS

✓	FUSION	NO.	TIME	TECH ID
	EXTRUSION	TF3	7:21	B.M
	SOLVENT	TF4	7:30	O.O

SHEET NUMBER: 2
 DATE: 11 Sep, 2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
86/87	EE05 - WE05	8:25	4°C	O.O	70%	850°F	-	15.5	DS#1	Y.E		14-Sep	Y.E
87/88	EE05 - WE05	8:30	4°C	B.M	70%	850°F	-	15.5		Y.E			
88/89	EE05 - WE05	8:47	4°C	O.O	70%	850°F	-	15.5		Y.E			
89/90	EE05 - WE05	8:48	4°C	B.M	70%	850°F	-	15.5		Y.E			
90/91	EE05 - WE05	8:55	4°C	O.O	70%	850°F	-	15.5		Y.E			
91/92	EE05 - WE05	8:50	4°C	B.M	70%	850°F	-	15.5		Y.E			
92/93	EE05 - WE05	9:05	4°C	O.O	70%	850°F	-	17.5		Y.E			
93/94	EE05 - WE05	9:03	4°C	B.M	70%	850°F	-	17.5		Y.E			
94/95	EE05 - WE05	9:32	4°C	O.O	70%	850°F	-	17.5		Y.E			
95/96	EE05 - WE05	9:37	4°C	B.M	70%	850°F	-	17.5		Y.E			
96/97	EE05 - WE05	9:55	4°C	O.O	70%	850°F	-	17.5	DS#2	Y.E		14-Sep	Y.E
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
 DATE: 11 Sep, 2011

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 176-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

☒ FUSION
☐ EXTRUSION
☐ SOLVENT

NO.	TIME	TECH ID
TF3	7:21	BM

SHEET NUMBER: 3
DATE: 11 Sep, 2011

SEAM NUMBER	SEAM SECTION * START POINT	FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
97/98	EOS	EOS	9:55	40°	BM	70%	850°F	-	17.5		Y.E			
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
/	-	-					-	-						
DAILY TOTAL									198m					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: 11 Sep, 2011



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 120-104 PROJECT TITLE: Saddle Dam 2
 OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
 LOCATION: Baker Lake Abnaukt

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
TF5	7:30	BM
TF6	14:48	BM

SHEET NUMBER: 4
 DATE: 12 Sep 2011

✓ FUSION
 EXTRUSION
 SOLVENT

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
98/99	EEOS - WEOS	8:58	0°C	BM	65%	850°F	-	17.5m		Y.E			
99/100	EEOS - WEOS	9:15	2°C	BM	65%	850°F	-	17.5m		Y.E			
100/101	EEOS - WEOS	9:35	2°C	BM	65%	850°F	-	17.5m		Y.E			
101/102	EEOS - WEOS	9:50	2°C	BM	65%	850°F	-	17.5m		Y.E			
102/103	EEOS - WEOS	10:07	2°C	BM	65%	850°F	-	17.5m		Y.E			
103/104	EEOS - WEOS	10:30	2°C	BM	65%	850°F	-	17.5m		Y.E			
104/105	EEOS - WEOS	10:45	2°C	BM	65%	850°F	-	17.5m		Y.E			
105/106	EEOS - WEOS	11:05	3°C	BM	65%	850°F	-	17.5m		Y.E			
106/107	EEOS - WEOS	11:25	3°C	BM	65%	850°F	-	19.0m	Ds#3	Y.E		14-Sep	Y.E
107/108	EEOS - WEOS	15:10	4°C	BM	65%	850°F	-	19.0m		Y.E			-
108/109	EEOS - WEOS	15:30	4°C	BM	65%	850°F	-	19.0m		Y.E			
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
 DATE: 12 Sep 2011

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 17c-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Mineral

PASSING TRIAL SEAMS

✓	FUSION	NO.	TIME	TECH ID
	EXTRUSION	TFS	7:30	BM
	SOLVENT	TF6	14:48	BM

SHEET NUMBER: 5
DATE: 12 Sep, 2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
109/110	EEOS - WEOS	15:45	4°C	BM	65%	850°F	-	19.0m		Y.E			
110/111	EEOS - WEOS	16:00	4°C	BM	65%	850°F	-	19.0m		Y.E			
111/112	EEOS - WEOS	16:15	4°C	BM	65%	850°F	-	19.0m		Y.E			
112/113	EEOS - WEOS	16:25	4°C	BM	65%	850°F	-	19.0m		Y.E			
113/114	EEOS - WEOS	16:40	4°C	BM	65%	850°F	-	19.0m		Y.E			
114/115	EEOS - WEOS	17:00	4°C	BM	65%	850°F	-	19.0m		Y.E			
115/116	EEOS - WEOS	17:15	4°C	BM	65%	850°F	-	19.0m	DS#4	Y.E		14 Sep	Y.E
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						

DAILY TOTAL 333 m

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: 12 Sep 2011



LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Norwest

PASSING TRIAL SEAMS

✓ FUSION TECH ID
 EXTRUSION SHEET NUMBER: 6
 SOLVENT DATE: 13-Sep-2011

NO.	TIME	TECH ID
TF7	6:47	BM
TF8	13:55	BM

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
116/117	EEOS - WEOS	8:50	0°	BM	60%	860°F	-	19m					
117/118	EEOS - WEOS	9:00	0°	BM	60%	860°F	-	19m					
118/119	EEOS - WEOS	9:15	0°	BM	60%	860°F	-	19m					
119/120	EEOS - WEOS	9:30	0°	BM	60%	860°F	-	19m					
120/121	EEOS - WEOS	9:45	2°	BM	60%	860°F	-	19m					
121/122	EEOS - WEOS	9:55	2°	BM	60%	860°F	-	19m					
122/123	EEOS - WEOS	10:40	2°	BM	60%	860°F	-	19m					
123/124	EEOS - WEOS	10:55	2°	BM	60%	860°F	-	19m					
124/125	EEOS - WEOS	11:15	3°	BM	60%	860°F	-	19m	DS#5	Y.E		14-Sep	Y.E
125/126	EEOS - WEOS	11:46	3°	BM	60%	860°F	-	19m					
126/127	EEOS - WEOS	14:00	3°	BM	60%	860°F	-	19m					
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: 13-Sep-2011



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 120-104

OWNER: Agnico Eagle Mines

LOCATION: Baker Lake Mine

PROJECT TITLE: Saddle Dam 2

CONTRACTOR: Agnico Eagle Mines

PASSING TRIAL SEAMS

✓ FUSION

EXTRUSION

SOLVENT

NO. TIME TECH ID

TF7	6:47	BM
TF8	13:55	BM

SHEET NUMBER: 7

DATE: 13 Sep - 2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE 2011	CHECKED BY
127/128	EEOS - WEOS	14:15	3°	BM	60%	850°F	-	19m		Y.E			
128/129	EEOS - WEOS	14:30	3°	BM	60%	850°F	-	19m		Y.E			
129/130	EEOS - WEOS	15:00	3°	BM	60%	850°F	-	19m		Y.E			
130/131	EEOS - WEOS	15:15	3°	BM	60%	850°F	-	19m		Y.E			
131/132	EEOS - WEOS	15:30	3°	BM	60%	850°F	-	13.5m		Y.E			
132/133	EEOS - WEOS	15:45	3°	BM	60%	860°F	-	10.8m	DO #6	Y.E		14 Sep	Y.E
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						

DAILY TOTAL

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E

DATE: 13 Sep - 2011



LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 120-104

PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

NO. TIME TECH ID

7x2	17:13	Y.E
7x3	19:27	Y.E

FUSION

✓ EXTRUSION

SOLVENT

SHEET NUMBER: 2

DATE: Sep 13, 2011

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS		NON-DESTRUCTIVE	
							DIGITAL SET	DIGITAL SET						TEST DATE	CHECKED BY
715-20 86/143	5103	5103	17:20	3°C	Y.E	510°F	510°F	-	49m	Y.E					
/	-	-					-	-							
/	-	-					-	-							
/	-	-					-	-							
/	-	-					-	-							
/	-	-					-	-							
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/	-	-					-	-							
/	-	-					-	-							
/	-	-					-	-							
DAILY TOTAL									49m						

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E

DATE: 13 Sep, 2011



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agrio Eagle Mines CONTRACTOR: Agrio Eagle Mines
LOCATION: Baker Lake Northwest

PASSING TRIAL SEAMS

FUSION	NO.	TIME	TECH ID
☒	TK4	13:30	Y.E
EXTRUSION			
SOLVENT			

SHEET NUMBER: 3
DATE: 14 Sep 2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP.	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
710-110 931110	5800 - 12500	13:40	7°	Y.E	500°F	500°F	-	119m		Y.E			
/	-					-	-						
/	-					-	-						
/	-					-	-						
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/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
DAILY TOTAL								119m					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: 14 Sep, 2011



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104

PROJECT TITLE: Saddle Dam 2

OWNER: Dynisco Eagle Mines

CONTRACTOR: Agnave Eagle Mines

LOCATION: North of Baker Lake

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
FUSION	Tx 5	6:45	Y.E
✓ EXTRUSION	Tx 6	13:00	Y.E
SOLVENT			

SHEET NUMBER: 4

DATE: 15 Sep, 2011

[illegible]

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y. E

DATE: 15 Sep, 2011

LS FORM 4

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 126-104

PROJECT TITLE: Saddle Dam 2

OWNER: Agri. Eagle Mine

CONTRACTOR: Agnies Eagle Mines

LOCATION: Barkerville, Nevada

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
FUSION	TK7	10:00 am	Y.C
✓ EXTRUSION			
SOLVENT			

SHEET NUMBER: 5

DATE: 22 / Sep 2011

[illegible]

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: Y.E
DATE: 26/5ep.2011

LS FORM 4

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mine CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut SHEET NUMBER: 1

✓ TF - # FUSION

TX - # = EXTRUSION

TS - # = SOLVENT

SAMPLE NUMBER	APPROX. TIME & DATE	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES			TEST RESULTS				PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE STRENGTH	OUTSIDE PEEL MODE STRENGTH	SHEAR MODE STRENGTH			
TF1	09-Sep 9:25	1778	BM	6°	70%		850°F	132 / 125 / 122 / 114	138 / 121 / 133 / 124	170 / 175	✓	Y.E	
TF2	09-Sep 9:30	1824	O.O	6°	70%		850°F	130 / 129 / 122 / 125	124 / 125 / 128 / 127	172 / 170	✓	Y.E	
TF3	11-Sep 7:21	1778	BM	4°	70%		850°F	130 / 125 / 138 / 129	125 / 130 / 132 / 135	185 / 180	✓	Y.E	
TF4	11-Sep 7:30	1824	O.O	4°	70%		850°F	145 / 138 / 134 / 135	140 / 138 / 145 / 138	175 / 178	✓	Y.E	
TFS	12-Sep 7:30	1778	BM	0°	65%		850°F	151 / 145 / 140 / 148	150 / 140 / 151 / 143	197 / 180	✓	Y.E	
TF6	12-Sep 14:48	1778	BM	4°	65%		850°F	131 / 133 / 145 / 138	139 / 130 / 130 / 143	179 / 172	✓	Y.E	
TF7	13-Sep 6:47	1778	BM	0°	60%		850°F	145 / 155 / 141 / 145	135 / 148 / 148 / 150	186 / 185	✓	Y.E	
TF8	13-Sep 12:55	1778	BM	3°	60%		850°F	150 / 145 / 139 / 145	145 / 148 / 140 / 142	179 / 181	✓	Y.E	
								1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1			
								1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1			
								1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1			
								1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1			



GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Saddle Dam 2
 OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
 LOCATION: Baker Lake District SHEET NUMBER: 2

TF - # FUSION

TX - # = EXTRUSION

TS - # = SOLVENT

SAMPLE NUMBER	APPROX. TIME & DATE	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES			TEST RESULTS				PASS OR RETEST	CHECKED BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP.	INSIDE PEEL MODE STRENGTH	OUTSIDE PEEL MODE STRENGTH	SHEAR MODE STRENGTH			
TX1	10-Sep 14:00		Y.E	5°C	530°F	515°F	—	148 / 149 / 140 139 / 140 /	/ / /	187 /	✓	Y.E	
TX2	13-Sep 17:15	ESL 21 PX	Y.E	3°C	510°F	510°F	—	129 / 127 / 122 128 / 128 /	/ / /	166 /	✓	Y.E	
TX3	13-Sep 19:37		Y.E	3°C	530°F	530°F	—	139 / 129 / 122 140 / / /	/ / /	163 /	✓	Y.E	
TX4	14-Sep 13:30	ESL 21 PX	Y.E	7°C	500°F	500°F	—	130 / 130 / 129 128 / / /	/ / /	158 /	✓	Y.E	
TX5	15-Sep 6:45	ESL 21 PX	Y.E	9°C	500°F	500°F	—	128 / 122 / 144 140 / 127 /	/ / /	156 /	✓	Y.E	
TX6	15-Sep 13:00	ESL 21 PX	Y.E	10°C	500°F	500°F	—	131 / 127 / 145 137 / 129 /	/ / /	162 /	✓	Y.E	
TX7	16-Sep 7:45	ESL 21 PX	Y.E	10°C	520°F	520°F	—	122 / 125 / 130 132 / / /	/ / /	170 /	✓	Y.E	
TX8	22-Sep 10:25	ESL 21 PX	Y.E	10°C	520°F	520°F	—	140 / 131 / 137 150 / / /	/ / /	160 /	✓	Y.E	
TX9	24-Sep 8:10	ESL 21 PX	Y.E	5°C	530°F	520°F	—	133 / 128 / 127 138 / 143 /	/ / /	155 /	✓	Y.E	
TX10	25-Sep 7:30	ESL 21 PX	Y.E	0°C	530°F	520°F	—	120 / 131 / 136 123 / / /	/ / /	180 /	✓	Y.E	Saddle Dam 1 Repairs
								/ / /	/ / /	/			
								/ / /	/ / /	/			



GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agrico Eagle Mines CONTRACTOR: Agrico Eagle Mines
LOCATION: Bulwer Lake Dam #1 DATE: 17 Sep 2011

VACUUM BOX ☒ AIR LANCE SHEET NUMBER: 1

SEAMS														REPAIRS				
SEAM NUMBER	SEAM SECTION *		2011 TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	2011 TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **				
78/86	SEOS	- NEOS	17-09	BM		✓	Y.E	Tie-in Extrusion	1A	17 Sep	BM	Bx	Y.E					
86/93	SEOS	- WEOS	17-09	BM		✓	Y.E	Tie-in Extrusion	1B	"	"	Bx	"					
93/110	SEOS	- NEOS	17-09	BM		✓	Y.E	Tie-in Extrusion	1C	"	"	Bx	"					
110/123	SEOS	- NEOS	17-09	BM		✓	Y.E	Tie-in Extrusion	1D	"	"	Bx	"					
123/130	SEOS	- WEOS	17-09	BM		✓	Y.E	Tie-in Extrusion	1E	"	"	Bx	"					
		-							1F	"	"	Bx	"					
		-							1G	"	"	Bx	"					
		-							1H	"	"	Bx	"					
		-							1I	"	"	DSH1	"					
		-							1J	"	"	DA	"					
		-							1K	"	"	Bx	"					
		-							1L	"	"	Bx	"					
		-							1M	"	"	Bx	"					
		-							1N	"	"	Bx	"					
		-							1O	"	"	Bx	"					
		-							1P	"	"	MD	"					
		-							1Q	"	"	Bx	"					
		-							1R	"	"	Bx	"					
		-							1S	24 Sep	O.O	SI	"					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

**LAYFIELD****GEOMEMBRANE SEAM PRESSURE TEST LOG**PROJECT NUMBER: 126-104PROJECT TITLE: Saddle Dam 2OWNER: Agnico Eagle MinesCONTRACTOR: Agnico Eagle MinesLOCATION: Baker Lake NunavutDATE: 10 Sep 2011SHEET NUMBER: 1

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
77 / 78	WEOS - EEOS	BM	45 PSI : 44 PSI	19:50 : 19:55	PASS	- / -	Y.E	
78 / 79	WEOS - EEOS	BM	45 PSI : 44 PSI	19:52 : 19:57	PASS	- / -	Y.E	
79 / 80	WEOS - EEOS	BM	45 PSI : 46 PSI	19:46 : 19:51	PASS	- / -	Y.E	
80 / 81	WEOS - EEOS	BM	45 PSI : 46 PSI	19:47 : 19:52	PASS	- / -	Y.E	
81 / 82	WEOS - EEOS	BM	45 PSI : 44 PSI	19:48 : 19:53	PASS	- / -	Y.E	
82 / 83	WEOS - EEOS	BM	45 PSI : 45 PSI	19:49 : 19:54	PASS	- / -	Y.E	
83 / 84	WEOS - EEOS	BM	45 PSI : 45 PSI	19:50 : 19:55	PASS	- / -	Y.E	
84 / 85	WEOS - EEOS	BM	45 PSI : 45 PSI	19:51 : 19:56	PASS	- / -	Y.E	
85 / 86	WEOS - EEOS	BM	45 PSI : 45 PSI	19:55 : 20:00	PASS	- / -	Y.E	
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: 10 Sep, 2011SUBMITTED BY: Y.E



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 126-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Northwest

DATE: 15 Sep 2011
SHEET NUMBER: 2

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
86187	WEOS - EEO5	0.0	42 psi: 41	14:33 : 14:38	✓	- ✓	Y.E	
87188	WEEO - EEOO	0.0	40 : 39	14:33 : 14:38	✓	- ✓	Y.E	
88189	WEOS - EEOO	0.0	44 : 43	14:35 : 14:40	✓	- ✓	Y.E	
89190	WEEO - EEOO	0.0	42 : 42	15:03 : 15:08	✓	- ✓	Y.E	
90191	WEOS - EEOO	0.0	43 : 43	14:46 : 14:51	✓	- ✓	Y.E	
91192	WEOS - EEOO	0.0	41 : 40	14:58 : 15:03	✓	- ✓	Y.E	
92193	WEOS - EEOO	0.0	41 : 41	15:08 : 15:13	✓	- ✓	Y.E	
93194	WEOS - EEOO	0.0	41 : 40	15:11 : 15:16	✓	- ✓	Y.E	
94195	WEOS - EEOO	0.0	41 : 40	15:13 : 15:18	✓	- ✓	Y.E	
95196	WEOS - EEOO	0.0	42 : 42	15:24 : 15:29	✓	- ✓	Y.E	
96197	WEOS - EEOO	0.0	42 : 41	15:25 : 15:30	✓	- ✓	Y.E	
97198	WEOS - EEOO	0.0	45 : 44	15:28 : 15:33	✓	- ✓	Y.E	
98199	WEOS - EEOO	0.0	43 : 42	15:30 : 15:35	✓	- ✓	Y.E	
991100	WEOS - EEOO	0.0	42 : 41	15:32 : 15:37	✓	- ✓	Y.E	
1001101	WEOS - EEOO	0.0	42 : 41	15:37 : 15:42	✓	- ✓	Y.E	
1011102	WEOS - EEOO	0.0	40 : 40	15:45 : 15:50	✓	- ✓	Y.E	
1021103	WEOS - EEOO	0.0	40 : 39	15:55 : 16:00	✓	- ✓	Y.E	

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

DATE: 15 Sep 2011
SUBMITTED BY: Y.E



LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 12C-104

OWNER: Agnico Eagle Mines

LOCATION: Baker Lake Norwest

PROJECT TITLE: Saddle Dam 2

CONTRACTOR: Agnico Eagle Mines

DATE: 15 Sep 2011

SHEET NUMBER: 3

SEAM NUMBER	SEAM SECTION *	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
103 / 104	WE00 - EE00	0.0	43 : 42	15:57 : 16:02	✓	- ✓		
104 / 105	WE00 - EE00	0.0	40 : 39	16:02 : 16:07	✓	- ✓		
105 / 106	WE05 - EE05	0.0	45 : 44	16:11 : 16:16	✓	- ✓		
106 / 107	WE05 - EE05	0.0	42 : 41	16:18 : 16:23	✓	- ✓		
107 / 108	WE05 - EE05	0.0	42 : 41	16:20 : 16:25	✓	- ✓		
108 / 109	WE00 - EE00	0.0	43 : 41	16:28 : 16:33	✓	- ✓		
109 / 110	WE05 - EE05	0.0	40 : 39	16:30 : 16:35	✓	- ✓		
110 / 111	WE05 - EE05	0.0	40 : 40	16:34 : 16:39	✓	- ✓		
111 / 112	WE05 - EE05	0.0	42 : 41	16:42 : 16:47	✓	- ✓		
112 / 113	WE05 - EE05	0.0	43 : 42	16:44 : 16:49	✓	- ✓		
113 / 114	WE05 - EE05	0.0	43 : 41	16:49 : 16:54	✓	- ✓		
114 / 115	WE05 - EE00	0.0	45 : 44	16:50 : 16:55	✓	- ✓		
115 / 116	WE05 - EE05	0.0	43 : 42	16:52 : 16:57	✓	- ✓		
116 / 117	WE05 - EE00	0.0	43 : 42	16:53 : 16:58	✓	- ✓		
117 / 118	WE05 - EE05	0.0	41 : 41	17:00 : 17:05	✓	- ✓		
118 / 119	WE00 - EE05	0.0	42 : 41	17:02 : 17:07	✓	- ✓		
119 / 120	WE09 - EE05	0.0	43 : 42	17:05 : 17:10	✓	- ✓		

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

LS FORM 5

LAYFIELD ENVIRONMENTAL SYSTEMS

DATE: Sep 17, 2011

SUBMITTED BY: Y.E



LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 126-10W

PROJECT TITLE: Saddle Dam 2

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Northwest

DATE: 15 Sep 2011

SHEET NUMBER: 4

SEAM NUMBER	SEAM SECTION *	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
120/121	WEO5 - EEO5	0.0	43 : 42	17:08 : 17:13	✓	- ✓	Y.E	
121/122	WEO5 - EEO5	0.0	43 : 42	17:14 : 17:16	✓	- ✓	Y.E	
122/123	WEO5 - EEO5	0.0	43 : 43	17:10 : 17:15	✓	- ✓	Y.E	
123/124	WEO5 - EEO5	0.0	43 : 42	17:18 : 17:23	✓	- ✓	Y.E	
124/125	WEO5 - EEO5	0.0	44 : 43	17:19 : 17:24	✓	- ✓	Y.E	
125/126	WEO5 - EEO5	0.0	40 : 40	17:21 : 17:26	✓	- ✓	Y.E	
126/127	WEO5 - EEO5	0.0	43 : 42	17:22 : 17:27	✓	- ✓	Y.E	
127/128	WEO5 - EEO5	0.0	43 : 41	17:26 : 17:31	✓	- ✓	Y.E	
128/129	WEO5 - EEO5	0.0	43 : 43	17:28 : 17:33	✓	- ✓	Y.E	
129/130	WEO5 - EEO5	0.0	45 : 44	17:43 : 17:48	✓	- ✓	Y.E	
130/131	WEO5 - EEO5	0.0	40 : 40	17:44 : 17:49	✓	- ✓	Y.E	
131/132	WEO5 - EEO5	0.0	40 : 39	17:45 : 17:50	✓	- ✓	Y.E	
132/133	WEO5 - EEO5	0.0	40 : 40	17:46 : 17:51	✓	- ✓	Y.E	
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		
/	-		:	:		-		

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT ON THE SEAM.

** RECORD ANY QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS.

LS FORM 5

LAYFIELD ENVIRONMENTAL SYSTEMS

DATE: 17 Sep 2011

SUBMITTED BY: Y.E



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-10M
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake District
PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 1

DESTRUCTIVE TEST NUMBER: DS #1
SEAM NUMBER: R-86/87
SAMPLE LOCATION: W205
DATE SEAMED / SAMPLED: Sep 11, 2011
TYPE OF SEAM: Fusion
TEST DATE: 14 Sep 2011
ARCHIVE ☒ LAYFIELD ☒ OWNER ☐ ENGINEER ☐
3RD PARTY ☒ YES ☐ NO ☐ WHO?
DATE FORWARDED TO LAB
DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	INSIDE SEAM		OUTSIDE SEAM	
				ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	172	SE1	2	131	SE1	139	SE1
3	164	SE1	4	140	SE1	159	SE1
5	159	SE1	6	138	SE1	141	SE1
7	175	SE1	8	135	SE1	132	SE1
9	173	SE1	10	140	SE1	136	SE1
11			12		SE1		

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____
CHECKED BY: Y.E
DATE: 18 Sep 2011
LPL: PASS ☒ FAIL _____
3RD PARTY / LAB: PASS _____ FAIL _____

**LAYFIELD**

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agrius Eagle Mines
LOCATION: Baker Lake Abnauit
PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Pyris Eagle mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: 06#2
SEAM NUMBER: 92-96
SAMPLE LOCATION: W205
DATE SEAMED / SAMPLED: 11 Sep, 2011
TYPE OF SEAM: Fusion
TEST DATE: 14 Sep 2011
ARCHIVE ☒ LAYFIELD ☒ OWNER ☐ ENGINEER ☐
3RD PARTY ☒ YES ☐ NO ☐ WHO?
DATE FORWARDED TO LAB _____
DATE LAB TEST RESULTS REC'D _____

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	INSIDE SEAM ADHESION STRENGTH	LOCUS OF BREAK CODE	OUTSIDE SEAM ADHESION STRENGTH ** LOCUS OF BREAK CODE
1	168	SE1	2	134	SE1	130 SE1
3	181	SE1	4	136	SE1	141 SE1
5	171	SE1	6	135	SE1	138 SE1
7	180	SE1	8	135	SE1	137 SE1
9	183	SE1	10	140	SE1	145 SE1
11		5	12			

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ☒ FAIL _____

3RD PARTY / LAB: PASS _____ FAIL _____

CHECKED BY: Y.E
DATE: 18 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agrios Eagle Mines
LOCATION: Becker Lake Norwest
PROJECT TITLE: Subble Dam 2
CONTRACTOR: Agrios Eagle Mines
SHEET NUMBER: 3

DESTRUCTIVE TEST NUMBER*: DS#3
SEAM NUMBER: 106-107
SAMPLE LOCATION: W605
DATE SEAMED / SAMPLED: 12 Sep 2011
TYPE OF SEAM: Fusion
TEST DATE: 14 Sep 2011
ARCHIVE ☒ LAYFIELD ☒ OWNER ☐ ENGINEER ☐
3RD PARTY ☒ YES ☐ NO ☐ WHO?
DATE FORWARDED TO LAB
DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	INSIDE SEAM		OUTSIDE SEAM	
			ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	162	SE1	150	SE1	129	SE1
3	163	SE1	143	SE1	134	SE1
5	161	SE1	145	SE1	123	SE1
7	170	SE1	146	SE1	125	SE1
9	161	SE1	181	SE1	130	SE1
11						

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES:

LPL: PASS ☒ FAIL

3RD PARTY / LAB: PASS FAIL

CHECKED BY: V.E.
DATE: 18 Sep 2011



LAYFIELD

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 120-104 PROJECT TITLE: Saddle Dam 2
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Abandoned SHEET NUMBER: 4

DESTRUCTIVE TEST NUMBER*: DS #4 TEST DATE: 14 Sep, 2011
SEAM NUMBER: 113-116 ARCHIVE ☒ LAYFIELD ☒ OWNER ☒ ENGINEER
SAMPLE LOCATION: W205 3RD PARTY ☒ YES ☐ NO WHO?
DATE SEAMED / SAMPLED: 12 Sep, 2011 DATE FORWARDED TO LAB
TYPE OF SEAM: Fusion DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	INSIDE SEAM		OUTSIDE SEAM	
			ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	180	SE1	153	SE1	154	SE1
3	182	SE1	153	SE1	130	SE1
5	175	SE1	151	SE1	127	SE1
7	178	SE1	153	SE1	130	SE1
9	173	SE1	149	SE1	138	SE1
11						

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES:

LPL: PASS ☒ FAIL

3RD PARTY / LAB: PASS FAIL

CHECKED BY: Y.E

DATE: 18 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104 PROJECT TITLE: Sudolite Dam 2
OWNER: Dynisco Eagle Mines CONTRACTOR: Dynisco Eagle Mines
LOCATION: Baker Lake Northwest SHEET NUMBER: 5

DESTRUCTIVE TEST NUMBER*: Ds# 5 TEST DATE: 14 Sep, 2011
SEAM NUMBER: 124-125 ARCHIVE ☒ LAYFIELD ☒ OWNER ☐ ENGINEER
SAMPLE LOCATION: W605 3RD PARTY ☒ YES ☐ NO ☐ WHO?
DATE SEAMED / SAMPLED: 13 Sep 2011 DATE FORWARDED TO LAB
TYPE OF SEAM: Fusion DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	INSIDE SEAM		OUTSIDE SEAM
				ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH
1	177	SE1	2	144	SE1	180
3	170	SE2	4	144	SE1	135
5	172	SE1	6	147	SE1	139
7	178	SE1	8	140	SE1	139
9	175	SE1	10	147	SE1	135
11			12			

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES:

LPL: PASS ☒ FAIL

3RD PARTY / LAB: PASS ☐ FAIL

CHECKED BY: Y.E
DATE: 18 Sep, 2011



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Northwest
PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 6

DESTRUCTIVE TEST NUMBER*: DS#6
SEAM NUMBER: 132-133
SAMPLE LOCATION: W503
DATE SEAMED / SAMPLED: 13 Sep - 2011
TYPE OF SEAM: Fusion
TEST DATE: 14 Sep 2011
ARCHIVE ☒ LAYFIELD ☒ OWNER ☐ ENGINEER ☐
3RD PARTY ☒ YES ☐ NO ☐ WHO?
DATE FORWARDED TO LAB
DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	INSIDE SEAM ADHESION STRENGTH	LOCUS OF BREAK CODE	OUTSIDE SEAM ADHESION STRENGTH
1	170		2	142		135
3	172		4	143		135
5	171		6	143		127
7	172		8	140		128
9	168		10	146		135
11			12			

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES:

LPL: PASS ☒ FAIL ☐
3RD PARTY / LAB: PASS ☐ FAIL ☐

CHECKED BY: Y.C.
DATE: 18 Sep 2011

**LAYFIELD**

GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Deposit
DESTRUCTIVE TEST NUMBER*: DS#1
SEAM NUMBER: 716/110
SAMPLE LOCATION: in north of 3-78/99
DATE SEAMED / SAMPLED: 18 Sep 2011
TYPE OF SEAM: extrusion

PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agnico Eagle Mines
SHEET NUMBER: 1

TEST DATE: 18 Sep 2011
ARCHIVE ☒ LAYFIELD ☒ OWNER ☒ ENGINEER
3RD PARTY ☒ YES ☐ NO ☐ WHO?
DATE FORWARDED TO LAB
DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION				
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	INSIDE SEAM		OUTSIDE SEAM	
				ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	168	SE1	2	132	SE1		
3	165	SE1	4	132	SE1		
5	171	SE1	6	135	SE1		
7	165	SE1	8	144	SE1		
9	167	SE1	10	138	SE1		
11			12				

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES:

LPL: PASS ☒ FAIL

3RD PARTY / LAB: PASS FAIL

CHECKED BY: Y.C
DATE: 18 Sep 2011

LS FORM 8 (OPTIONAL)

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 176-104
OWNER: Agave Eagle Nias
LOCATION: Baker Lake Arunast
PROJECT TITLE: Saddle Dam 2
CONTRACTOR: Agave Eagle Mines
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DS#2
SEAM NUMBER: 130/133
SAMPLE LOCATION: 20 m from 130 to 133
DATE SEAMED / SAMPLED: 24 Sep 2011
TYPE OF SEAM: Extrusion
TEST DATE: Sep 26 2011
ARCHIVE ☒ LAYFIELD ☒ OWNER ☒ ENGINEER ☒
3RD PARTY ☒ YES ☒ NO ☒ WHO? ☒
DATE FORWARDED TO LAB ☒
DATE LAB TEST RESULTS REC'D ☒

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	INSIDE SEAM		OUTSIDE SEAM	
			ADHESION STRENGTH	LOCUS OF BREAK CODE	ADHESION STRENGTH	** LOCUS OF BREAK CODE
1	150	SE1	128	ES1		
3	160	SE1	146	ES1		
5	165	SE1	135	ES1		
7	158	SE1	130	ES1		
9	158	SE1	147	ES1		
11						

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES:

LPL: PASS ☒ FAIL ☒

3RD PARTY / LAB: PASS ☒ FAIL ☒

CHECKED BY: Y.E
DATE: Sep 26 2011



LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 17C-104

PROJECT TITLE: Saddle Dam 2

OWNER: Agrius Eagle Mines

CONTRACTOR: Agrius Eagle Mines

LOCATION: Baker Lake Wastewater

SHEET NUMBER: 1

DEFECT CODE	LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
1A	2011	577-78	15.5m EEO5	BK	P GW	2011	13-Sep		2011	
1B	26-Sep	577-78	4m from 1A NORTH	BK	P GW			Along Tie-in		
1C	26-Sep	581-85	17.5m EEO5	BK	P GW					
1D	26-Sep	8-85	64m from NORTH 1B	BK	P GW			Along Tie-in		
1E	26-Sep	5-93-94 EEO5	2.4m NORTH along tie-in	BK	P GW					
1F	26-Sep	96-97	17.5m EEO5	BK	P GW					
1G	26-Sep	P 97	1.8m NORTH IF	BK	P GW					
1H	26-Sep	5-97-98	12.5m EEO5	BK	P GW					
1I	26-Sep	P 99	4m North of 5 98/99	BK	P GW		15-Sep	Along Tie-in Extension 23' 18 Sep		Y.E
1J	26-Sep	5-106-107 EEO5	3m North along Tie-in	BK	P GW		16-Sep			
1K	26-Sep	5-107-108	19m EEO5	BK	P GW					
1L	26-Sep	P 108	5.6m from NORTH 1K	BK	C GW			4m x 3.5m		
1M	26-Sep	5-111-112 EEO5	0.3m South along Tie-in	BK	P GW					
1N	26-Sep	5-114-115 EEO5	6.5m NORTH along Tie-in	BK	P GW					
1O	26-Sep	5-116-117 EEO5	1.8m NORTH along Tie-in	BK	P GW					
1P	26-Sep	5-117-118 EEO5	5m NORTH along Tie-in	MD	P GW					
1Q	26-Sep	5-122-123 EEO5	1.8m NORTH along Tie-in	BK	P GW					
1R	26-Sep	P-65-66-67	16.5m x 3m Extension	SI	C GW	Y.E	24-Sep	Extension of line at 24th End		

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE

B - UNDISPERSED RESIN BEAD

BO - FUSION WELDER BURN

BS - BOOTSKIRT FROM FML PENETRATION

CO - CHANGE OF OVERLAP

CR - CREASE

D - INSTALLATION DAMAGE

DS - DESTRUCTIVE TEST NUMBER

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G & W - GRIND/WELD

EE - EARTHWORK EQUIPMENT DAMAGE

EXT - EXTENSION

FM - FISHMOUTH

FS - FIELD SEAM LENGTH

FTS - FIELD TEST STRIP

IIT - HEAT TACK BURN

IO - INSUFFICIENT OVERLAP (UNDER SPEC.)

MD - MANUFACTURE/DELIVERY DAMAGE

PT - PRESSURE TEST CUT

SI - SOIL SURFACE IRREGULARITY

SL - SLAG ON TEXTURED SHEET

T - THREE PANEL INTERSECTION

VL - VACUUM TEST LEAK

WR - WRINKLE

WS - WELDER RESTART

OTHER: Bubbles on tie extension weld

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
Tx5	6:45	Y.E
Tx6	13:00	Y.E
Tx7	7:45	Y.E
Tx8		

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

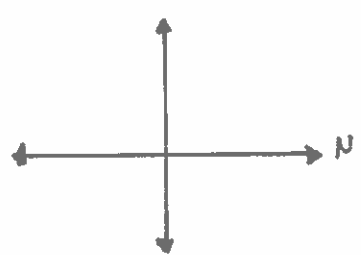
LPL FORM 7

SUBMITTED BY: Y.E

DATE: 26 Sep 2011

P-77	P-78	P-79	P-80	P-81	P-82	P-83	P-84	P-85	P-86	P-87	P-88	P-89	P-90	P-91	P-92	P-93	P-94	P-95	P-96	P-97	P-98	P-99	P-100	P-101	P-102	P-103	P-104	P-105	P-106	
P-10	P-11	P-12	P-13	P-14	P-15	P-16	P-17	P-18	P-19	P-20	P-21	P-22	P-23	P-24	P-25	P-26	P-27	P-28	P-29	P-30	P-31	P-32	P-33	P-34	P-35	P-36	P-37	P-38	P-39	P-40

P-107	P-108	P-109	P-110	P-111	P-112	P-113	P-114	P-115	P-116	P-117	P-118	P-119	P-120	P-121	P-122	P-123	P-124	P-125	P-126	P-127	P-128	P-129	P-130	P-131	P-132	P-133
P-41	P-42	P-43	P-44	P-45	P-46	P-47	P-48	P-49	P-50	P-51	P-52	P-53	P-54	P-55	P-56	P-57	P-58	P-59	P-60	P-61	P-62	P-63	P-64	P-65	P-66	P-67



PROJECT NAME
Saddle Dam 2

MATERIAL TYPE
6mil LLDPE Textured



LEGEND	
----	EXTENT OF LINER
----	TOE OF SLOPE
----	LINER FIELD SEAM
----	EXTRUSION WELDING
XXX	FLITCH
P2	PANEL NUMBER
1A	REPAIR NUMBER

Quote No.	PROJECT No. 17C-104
DWG: 1 OF 1	SCALE:
DWG:	CHECK:
DATE 24 Sep, 11	REVISION:

CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: storm water Dike
PROJECT NUMBER: 171-104
OWNER: Ayrica Taylor Mins
LOCATION: Balter Lake Nuncut

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: The slope of storm water Dike it is ready to
install geom. The floor was very wet and a lot's mud due to
Rain.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: 18 Sep 2011
Signature: Espindol Hernandez Yanez
Name: Yanez Espindol
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: 25-Sep 2011
Signature: [Signature]
Name: Thomas Lopez
Title: ING
Company: AEM



CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Storm Water Dike
PROJECT NUMBER: 171-104
OWNER: Aynice Tugle Mingo
LOCATION: Batter Lake Nuncut

I, the undersigned, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the soil subgrade described below, and found it to be an acceptable surface on which to install geomembrane.

This certification is based on observations of the surface of the subgrade only. No subterranean inspections or tests have been performed by Layfield Environmental Systems, and LESL makes no representations or warranties regarding conditions which may exist below the surface of the subgrade. Layfield Environmental Systems accepts no responsibility for conformance of the subgrade to this project's specifications.

The soil subgrade accepted on this date refers to its present condition. Any changes in the subgrade condition that result from the effects of inclement weather and/or other forces beyond the control of Layfield Environmental Systems and remedial work to correct the resulting deficiencies, will be the direct responsibility of the General Contractor.

Area Being Accepted: The slope of storm water dike it is ready to
install geom. The floor was very wet and a lot of mud due to
rain.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: 19 Sep 2011
Signature: Espindol Hernandez Yanez
Name: Yanez Espindol
Title: Supervisor

OWNERS REPRESENTATIVE:

Date: 25-Sep 2011
Signature: [Signature]
Name: Theresa Lopez
Title: ING
Company: REM



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agnico Eagle Mines

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: _____

DATE: Sep-18-2011

SHEET NUMBER: 1

DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>242</u>	PANEL LOCATION REFERENCE NUMBER <u>243</u>	PANEL LOCATION REFERENCE NUMBER <u>244</u>
PANEL/ROLL NUMBER	<u>084</u>	<u>084</u>	<u>084</u>
DEPLOYMENT LENGTH	<u>4.1m x 19m</u>	<u>4.1m x 19m</u>	<u>4.1m x 19m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>2'</u>	<u>2'</u>	<u>2'</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>LLDP connection</u> S= <u>243</u> E= _____ W= _____	N= <u>242</u> S= <u>244</u> E= _____ W= _____	N= <u>243</u> S= <u>245</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>245</u>	PANEL LOCATION REFERENCE NUMBER <u>246</u>	PANEL LOCATION REFERENCE NUMBER <u>247</u>
PANEL/ROLL NUMBER	<u>084</u>	<u>088</u>	<u>088</u>
DEPLOYMENT LENGTH	<u>4.1m x 19m</u>	<u>4.1m x 19m</u>	<u>4.1m x 19m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>2'</u>	<u>2'</u>	<u>2'</u>
CHECKED BY	<u>Y.E</u>	<u>Y.E</u>	<u>Y.E</u>
ADJACENT PANEL	N= <u>244</u> S= <u>246</u> E= _____ W= _____	N= <u>245</u> S= <u>247</u> E= <u>254</u> W= _____	N= <u>246</u> S= <u>248, 252</u> E= <u>252, 254</u> W= <u>253</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>248</u>	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER	<u>088</u>		
DEPLOYMENT LENGTH	<u>4.1m x 11.5m</u>		
AMBIENT AIR TEMP.	<u>5°C</u>		
VISUAL OBSERVATION	<u>Good</u>		
OBSERVED OVERLAP	<u>2'</u>		
CHECKED BY	<u>Y.E</u>		
ADJACENT PANEL	N= <u>247</u> S= <u>249, 250</u> E= <u>252</u> W= <u>251</u>	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____

SUBMITTED BY: O.O

DATE: Sep-22-11



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Steam Water Dike
CONTRACTOR: Agnico Eagle Mines

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE): _____

REMARKS: _____

DATE: Sep-19-2011

SHEET NUMBER: 2

DEPLOYMENT EQUIPMENT: CAT-345 with hydraulic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>249</u>	PANEL LOCATION REFERENCE NUMBER <u>250</u>	PANEL LOCATION REFERENCE NUMBER <u>251</u>
PANEL/ROLL NUMBER	<u>088</u>	<u>088</u>	<u>086</u>
DEPLOYMENT LENGTH	<u>4.1m x 12m</u>	<u>4.1m x 12m</u>	<u>4.1m x 12m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>2'</u>	<u>2'</u>	<u>2'</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= <u>248</u> S= _____ E= <u>250</u> W= _____	N= <u>248</u> S= _____ E= <u>251</u> W= <u>249</u>	N= <u>248</u> S= _____ E= <u>252</u> W= <u>250</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>252</u>	PANEL LOCATION REFERENCE NUMBER <u>253</u>	PANEL LOCATION REFERENCE NUMBER <u>254</u>
PANEL/ROLL NUMBER	<u>086</u>	<u>086</u>	<u>086</u>
DEPLOYMENT LENGTH	<u>4.1m x 15m</u>	<u>4.1m x 15m</u>	<u>4.1m x 18m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>2'</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= <u>247</u> S= _____ E= <u>253</u> W= <u>251</u>	N= <u>247</u> S= _____ E= <u>254</u> W= <u>252</u>	N= <u>246</u> S= _____ E= <u>255, 256, 257</u> W= <u>248, 247, 253</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>255</u>	PANEL LOCATION REFERENCE NUMBER <u>256</u>	PANEL LOCATION REFERENCE NUMBER <u>257</u>
PANEL/ROLL NUMBER	<u>086</u>	<u>086</u>	<u>086</u>
DEPLOYMENT LENGTH	<u>4.1m x 4.5m</u>	<u>4.1m x 10m</u>	<u>4.1m x 4.5m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= <u>256</u> S= _____ E= <u>258</u> W= <u>254</u>	N= <u>257</u> S= <u>255</u> E= <u>258</u> W= <u>254</u>	N= _____ S= <u>256</u> E= <u>258</u> W= <u>254</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>258</u>	PANEL LOCATION REFERENCE NUMBER <u>259</u>	PANEL LOCATION REFERENCE NUMBER <u>260</u>
PANEL/ROLL NUMBER	<u>090</u>	<u>090</u>	<u>090</u>
DEPLOYMENT LENGTH	<u>4.1m x 18m</u>	<u>4.1m x 18m</u>	<u>4.1m x 18m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= _____ S= _____ E= <u>259</u> W= <u>255, 256, 257</u>	N= _____ S= _____ E= <u>260</u> W= <u>258</u>	N= _____ S= _____ E= <u>261</u> W= <u>259</u>

SUBMITTED BY: 00

DATE: Sep-20-11



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Storm water Dike
CONTRACTOR: Agnico Eagle Mines

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE): _____

REMARKS: _____

DATE: SEP-19-2011

SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>261</u>	PANEL LOCATION REFERENCE NUMBER <u>262</u>	PANEL LOCATION REFERENCE NUMBER <u>263</u>
PANEL/ROLL NUMBER	<u>090</u>	<u>087</u>	<u>087</u>
DEPLOYMENT LENGTH	<u>4.1m x 18m</u>	<u>4.1m x 18m</u>	<u>4.1m x 21m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>4.E</u>	<u>4.E</u>	<u>4.E</u>
ADJACENT PANEL	N= _____ E= <u>262</u> S= _____ W= <u>260</u>	N= _____ E= <u>263</u> S= _____ W= <u>261</u>	N= _____ E= <u>264</u> S= <u>266</u> W= <u>262</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>264</u>	PANEL LOCATION REFERENCE NUMBER <u>265</u>	PANEL LOCATION REFERENCE NUMBER <u>266</u>
PANEL/ROLL NUMBER	<u>087</u>	<u>087</u>	<u>072</u>
DEPLOYMENT LENGTH	<u>4.1m x 16.5m</u>	<u>4.1m x 12.5m</u>	<u>4.1m x 29m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>4.E</u>	<u>4.E</u>	<u>4.E</u>
ADJACENT PANEL	N= _____ E= <u>265</u> S= <u>266</u> W= <u>263</u>	N= _____ E= <u>267</u> S= <u>266</u> W= <u>264</u>	N= <u>263, 264, 265, 267, 268, 269</u> E= _____ S= _____ W= <u>270, 272</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>267</u>	PANEL LOCATION REFERENCE NUMBER <u>268</u>	PANEL LOCATION REFERENCE NUMBER <u>269</u>
PANEL/ROLL NUMBER	<u>087</u>	<u>072</u>	<u>072</u>
DEPLOYMENT LENGTH	<u>4.1m x 7m</u>	<u>4.1m x 26m</u>	<u>4.1m x 15m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>4.E</u>	<u>4.E</u>	<u>4.E</u>
ADJACENT PANEL	N= _____ E= _____ S= <u>266</u> W= <u>265</u>	N= <u>269</u> S= <u>270</u> E= _____ W= <u>266</u>	N= <u>266</u> S= <u>268</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>270</u>	PANEL LOCATION REFERENCE NUMBER <u>271</u>	PANEL LOCATION REFERENCE NUMBER <u>272</u>
PANEL/ROLL NUMBER	<u>NH</u>	<u>072</u>	<u>NH</u>
DEPLOYMENT LENGTH	<u>4.1m x 28m</u>	<u>4.1m x 24.5m</u>	<u>4.1m x 4.5m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>4.E</u>	<u>4.E</u>	<u>4.E</u>
ADJACENT PANEL	N= <u>268</u> S= <u>271, 272</u> E= _____ W= _____	N= <u>270</u> S= <u>273, 274</u> E= _____ W= <u>272</u>	N= <u>270</u> S= <u>274</u> E= <u>271</u> W= _____

SUBMITTED BY: O.O.

DATE: SEP-22-11



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104PROJECT TITLE: Storm Water DikeOWNER: Sgnico Eagle MinesCONTRACTOR: Sgnico Eagle MinesLOCATION: Baker Lake SummitGEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: _____

DATE: SEP-19-2011SHEET NUMBER: 4DEPLOYMENT EQUIPMENT: CAT-345 with hydrolic bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>273</u>	PANEL LOCATION REFERENCE NUMBER <u>274</u>	PANEL LOCATION REFERENCE NUMBER <u>275</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>4.1m x 8.5m</u>	<u>4.1m x 70m</u>	<u>4.1m x 30m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= <u>271</u> S= <u>275</u> E= _____ W= _____	N= <u>271, 272</u> S= <u>275</u> E= <u>273</u> W= _____	N= <u>273, 274</u> S= <u>276, 277</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>276</u>	PANEL LOCATION REFERENCE NUMBER <u>277</u>	PANEL LOCATION REFERENCE NUMBER <u>278</u>
PANEL/ROLL NUMBER	<u>084</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>4.1m x 4m</u>	<u>4.1m x 27m</u>	<u>4.1m x 30m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= <u>275</u> S= <u>278</u> E= <u>277</u> W= _____	N= <u>275</u> S= <u>278</u> E= _____ W= <u>276</u>	N= <u>276, 277</u> S= <u>279</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>279</u>	PANEL LOCATION REFERENCE NUMBER <u>280</u>	PANEL LOCATION REFERENCE NUMBER <u>281</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>4.1m x 30</u>	<u>4.1m x 11m</u>	<u>4.1m x 20.5m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= <u>278</u> S= <u>280, 281</u> E= _____ W= _____	N= <u>279</u> S= <u>282</u> E= <u>281</u> W= _____	N= <u>279</u> S= <u>282</u> E= _____ W= <u>280</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>282</u>	PANEL LOCATION REFERENCE NUMBER <u>283</u>	PANEL LOCATION REFERENCE NUMBER <u>284</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>4.1m x 32m</u>	<u>4.1m x 32m</u>	<u>4.1m x 23m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>Y.E.</u>	<u>Y.E.</u>	<u>Y.E.</u>
ADJACENT PANEL	N= <u>280, 281</u> S= <u>283</u> E= _____ W= _____	N= <u>282</u> S= <u>284, 285</u> E= _____ W= _____	N= <u>283</u> S= <u>286, 287</u> E= <u>285</u> W= _____

SUBMITTED BY: O.O.DATE: SEP-22-11



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PROJECT TITLE: Storm water Dike
CONTRACTOR: Agnico Eagle Mines

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE): _____

REMARKS: _____

DATE: SEP 19-2011

SHEET NUMBER: 5

DEPLOYMENT EQUIPMENT: CAT-345 with hydraulic Bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>285</u>	PANEL LOCATION REFERENCE NUMBER <u>286</u>	PANEL LOCATION REFERENCE NUMBER <u>287</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>4.1m x 8m</u>	<u>4.1m x 12.5m</u>	<u>4.1m x 19m</u>
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	<u>5°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>4.5</u>	<u>4.5</u>	<u>4.5</u>
ADJACENT PANEL	N= <u>283</u> S= <u>286</u> E= _____ W= <u>284</u>	N= <u>284, 285</u> S= <u>288</u> E= _____ W= <u>287</u>	N= <u>284</u> S= <u>288</u> E= <u>286</u> W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>288</u>	PANEL LOCATION REFERENCE NUMBER <u>289</u>	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	
DEPLOYMENT LENGTH	<u>4.1m x 31m</u>	<u>4.1m x 31m</u>	
AMBIENT AIR TEMP.	<u>5°C</u>	<u>5°C</u>	
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	
CHECKED BY	<u>4.5</u>	<u>4.5</u>	
ADJACENT PANEL	N= <u>288, 287</u> S= <u>289</u> E= _____ W= _____	N= <u>288</u> S= <u>290</u> E= _____ W= _____	N= _____ S= _____ E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____

SUBMITTED BY: O.O.

DATE: SEP-22-2011



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: _____

DATE: SEP-20-2011

SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT: CAT-34S with spreader bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>290</u>	PANEL LOCATION REFERENCE NUMBER <u>291</u>	PANEL LOCATION REFERENCE NUMBER <u>292</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1 m x 32 m</u>	<u>5.1 m x 32 m</u>	<u>5.1 m x 32 m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>YB</u>	<u>YB</u>	<u>YB</u>
ADJACENT PANEL	N= <u>289</u> S= <u>291</u> E= _____ W= _____	N= <u>290</u> S= <u>292</u> E= _____ W= _____	N= <u>291</u> S= <u>293, 294</u> E= _____ W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>293</u>	PANEL LOCATION REFERENCE NUMBER <u>294</u>	PANEL LOCATION REFERENCE NUMBER <u>295</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1 m x 12.5 m</u>	<u>5.1 m x 21 m</u>	<u>5.1 m x 33 m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>YB</u>	<u>YB</u>	<u>YB</u>
ADJACENT PANEL	N= <u>292</u> S= <u>295</u> E= _____ W= <u>294</u>	N= <u>292</u> S= <u>295</u> E= <u>293</u> W= _____	N= <u>293, 294</u> S= <u>296, 297</u> E= <u>2009 BGM</u> W= _____

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>296</u>	PANEL LOCATION REFERENCE NUMBER <u>297</u>	PANEL LOCATION REFERENCE NUMBER <u>298</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1 m x 22.5 m</u>	<u>5.1 m x 10.5 m</u>	<u>5.1 m x 27 m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>YB</u>	<u>YB</u>	<u>YB</u>
ADJACENT PANEL	N= <u>295</u> S= <u>298</u> E= <u>2009 BGM</u> W= <u>297</u>	N= <u>299</u> S= <u>298, 299</u> E= <u>296</u> W= _____	N= <u>296, 297</u> S= <u>300</u> E= <u>2009 BGM</u> W= <u>299</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>299</u>	PANEL LOCATION REFERENCE NUMBER _____	PANEL LOCATION REFERENCE NUMBER _____
PANEL/ROLL NUMBER	<u>N#</u>		
DEPLOYMENT LENGTH	<u>5.1 m x 7.0 m</u>		
AMBIENT AIR TEMP.	<u>10°C</u>		
VISUAL OBSERVATION	<u>Good</u>		
OBSERVED OVERLAP	<u>8"</u>		
CHECKED BY	<u>YB</u>		
ADJACENT PANEL	N= <u>297</u> S= <u>300</u> E= <u>298</u> W= _____	N= _____ S= _____ E= _____ W= _____	N= _____ S= _____ E= _____ W= _____

SUBMITTED BY: O.O.

DATE: SEP-23-11



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104
OWNER: Agnico Eagle Mines
LOCATION: Baker Lake, Nunavut

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agnico Eagle Mines

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: _____

DATE: SEP 21-2011

SHEET NUMBER: 7

DEPLOYMENT EQUIPMENT: CAT-345 with Spreader bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>300</u>	PANEL LOCATION REFERENCE NUMBER <u>301</u>	PANEL LOCATION REFERENCE NUMBER <u>302</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1m x 37m</u>	<u>5.1m x 24m</u>	<u>5.1m x 13m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>JB</u>	<u>JB</u>	<u>JB</u>
ADJACENT PANEL	N= <u>298, 299</u> S= <u>301, 302</u> E= <u>2009 BGM</u> W=	N= <u>300</u> S= <u>303</u> E= <u>2009 BGM</u> W= <u>302</u>	N= <u>300</u> S= <u>303</u> E= <u>301</u> W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>303</u>	PANEL LOCATION REFERENCE NUMBER <u>304</u>	PANEL LOCATION REFERENCE NUMBER <u>305</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1m x 37m</u>	<u>5.1m x 8m</u>	<u>5.1m x 29m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>JB</u>	<u>JB</u>	<u>JB</u>
ADJACENT PANEL	N= <u>301, 302</u> S= <u>304, 305</u> E= <u>2009 BGM</u> W=	N= <u>303</u> S= <u>306</u> E= <u>2009 BGM</u> W= <u>305</u>	N= <u>303</u> S= <u>306, 307</u> E= <u>304</u> W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>306</u>	PANEL LOCATION REFERENCE NUMBER <u>307</u>	PANEL LOCATION REFERENCE NUMBER <u>308</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1m x 2.6m</u>	<u>5.1m x 12.5m</u>	<u>5.1m x 14.5m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>JB</u>	<u>JB</u>	<u>JB</u>
ADJACENT PANEL	N= <u>304, 305</u> S= <u>308, 309</u> E= <u>2009 BGM</u> W= <u>307</u>	N= <u>304, 305</u> S= <u>309</u> E= <u>306</u> W=	N= <u>306</u> S= <u>310</u> E= <u>2009 BGM</u> W= <u>309</u>

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>309</u>	PANEL LOCATION REFERENCE NUMBER <u>310</u>	PANEL LOCATION REFERENCE NUMBER <u>311</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1m x 24.5m</u>	<u>5.1m x 39.5m</u>	<u>5.1m x 36m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>JB</u>	<u>JB</u>	<u>JB</u>
ADJACENT PANEL	N= <u>306, 307</u> S= <u>310</u> E= <u>308</u> W=	N= <u>308, 309</u> S= <u>311, 312</u> E= <u>2009 BGM</u> W=	N= <u>310</u> S= <u>313, 314</u> E= <u>2009 BGM</u> W= <u>312</u>

SUBMITTED BY: GO

DATE: SEP-23-11



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Storm Water Dike

OWNER: Ignico Eagle Mines

CONTRACTOR: Ignico Eagle Mines

LOCATION: Baker Lake Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER _____

SUBGRADE CONDITION (SURFACE COMPACTION, PROTRUSIONS, DESICCATION, EXCESSIVE MOISTURE):

REMARKS: _____

DATE: SEP-21-2011

SHEET NUMBER: 8

DEPLOYMENT EQUIPMENT: CAT-345 with spreader bar

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>312</u>	PANEL LOCATION REFERENCE NUMBER <u>313</u>	PANEL LOCATION REFERENCE NUMBER <u>314</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1m x 3m</u>	<u>5.1m x 15m</u>	<u>5.1m x 24m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>YE</u>	<u>YE</u>	<u>YE</u>
ADJACENT PANEL	N= <u>310</u> S= <u>314</u> E= <u>311</u> W=	N= <u>311</u> S= <u>315</u> E= <u>2009 BGM</u> W= <u>314</u>	N= <u>311, 312</u> S= <u>315</u> E= <u>313</u> W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>315</u>	PANEL LOCATION REFERENCE NUMBER <u>316</u>	PANEL LOCATION REFERENCE NUMBER <u>317</u>
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	<u>N#</u>
DEPLOYMENT LENGTH	<u>5.1m x 38m</u>	<u>5.1m x 39m</u>	<u>2m x 13m</u>
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	<u>10°C</u>
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	<u>Good</u>
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	<u>8"</u>
CHECKED BY	<u>YE</u>	<u>YE</u>	<u>YE</u>
ADJACENT PANEL	N= <u>313, 314</u> S= <u>316</u> E= <u>2009 BGM</u> W=	N= <u>315</u> S= <u>317</u> E= <u>2009 BGM</u> W=	N= <u>316</u> S= <u>319</u> E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER <u>318</u>	PANEL LOCATION REFERENCE NUMBER <u>319</u>	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	<u>N#</u>	<u>N#</u>	
DEPLOYMENT LENGTH	<u>5.1m x 21.5m</u>	<u>5.1m x 17.5m</u>	
AMBIENT AIR TEMP.	<u>10°C</u>	<u>10°C</u>	
VISUAL OBSERVATION	<u>Good</u>	<u>Good</u>	
OBSERVED OVERLAP	<u>8"</u>	<u>8"</u>	
CHECKED BY	<u>YE</u>	<u>YE</u>	
ADJACENT PANEL	N= <u>317</u> S= <u>241</u> E= <u>2009 BGM</u> W= <u>319</u>	N= <u>317</u> S= <u>241</u> E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER			
DEPLOYMENT LENGTH			
AMBIENT AIR TEMP.			
VISUAL OBSERVATION			
OBSERVED OVERLAP			
CHECKED BY			
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: AO

DATE: SEP-23-11



LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

BGM FUSION SHEET NUMBER: 1
EXTRUSION DATE: Sep-18-2011
SOLVENT

NO.	TIME	TECH ID

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
242/243	EEOS - WEOS	16:15	5°	BM		-	-	19					
243/244	FEOS - WEOS	16:30	5°	BM		-	-	19					
244/245	EEOS - WEOS	16:50	5°	BM		-	-	19					
245/246	EEOS - WEOS	17:05	5°	BM		-	-	19					
246/247	EEOS - WEOS	17:15	5°	BM		-	-	19					
247/248	EEOS - WEOS	17:25	5°	BM		-	-	11.5					
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
DAILY TOTAL									106.5				

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: O.O.
DATE: Sep-23-11



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
<u>BGM</u>		

SHEET NUMBER: 2
DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
249/250	NEOS - SEOS	7:55	5°	BM		-	-	12					
250/251	NEOS - SEOS	8:05	5°	BM		-	-	12					
248/249/250/251	NEOS - WEOS	8:15	5°	BM		-	-	11.5					
252/247/248/251	NEOS - SEOS	8:25	5°	BM		-	-	15					
252/253	NEOS - SEOS	8:55	5°	BM		-	-	15					
253/254	NEOS - SEOS	9:05	5°	BM		-	-	15					
247/252/253	NEOS - WEOS	9:08	5°	BM		-	-	8					
255/256	NEOS - WEOS	9:12	5°	BM		-	-	4.1					
256/257	NEOS - WEOS	9:15	5°	BM		-	-	4.1					
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: O.O
DATE: SEP-23-11



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
<u>BGM</u>		

SHEET NUMBER: 3
DATE: SEP-19-2011

EXTRUSION

SOLVENT

SEAM NUMBER	SEAM SECTION * START POINT	SEAM SECTION * FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
							DIGITAL SET	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
254/255 256 257	NEOS - SEOS	SEOS	9:18	5°	BM		-	-	18					
258/259 256 257	NEOS - SEOS	SEOS	9:35	5°	BM		-	-	18					
258/259	NEOS - SEOS	SEOS	10:10	5°	BM		-	-	18					
259/260	NEOS - SEOS	SEOS	10:20	5°	BM		-	-	18					
260/261	NEOS - SEOS	SEOS	10:30	5°	BM		-	-	18					
264/262	NEOS - SEOS	SEOS	10:45	5°	BM		-	-	18					
262/263	NEOS - SEOS	SEOS	11:25	5°	BM		-	-	18					
263/264	NEOS - SEOS	SEOS	12:05	5°	BM		-	-	16.5					
264/265	NEOS - SEOS	SEOS	12:15	5°	BM		-	-	12.5					
DAILY TOTAL														

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: O.O
DATE: SEP-23-11



LAYFIELD

GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

BGM FUSION

NO. TIME TECH ID

EXTRUSION

SHEET NUMBER: 4

SOLVENT

DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
265/267	NEOS - SEOS	12:18	5°	BM		-	-	7					
266/267	NEEOS - SWEOS	12:20	5°	BM		-	-	29					
268/269	EEOS - WEOS	15:05	5°	BM		-	-	15					
268/270	EEOS - WEOS	15:15	5°	BM		-	-	26					
266/269	NEEOS - SWEOS	15:45	5°	BM		-	-	29					
271/272	NEOS - SEOS	15:55	5°	BM		-	-	4.1					
270/271	EEOS - WEOS	16:00	5°	BM		-	-	28					
273/274	NEOS - SEOS	16:25	5°	BM		-	-	4.1					
271/273	EEOS - WEOS	16:30	5°	BM		-	-	28.5					
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: O.O

DATE: SEP-23-11



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
BGM	FUSION	
	EXTRUSION	
	SOLVENT	

SHEET NUMBER: 5
DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
275/277	EEOS - WEOS	16:45	5°	BM		-	-	28.5					
276/277	NEOS - SEOS	17:00	5°	BM		-	-	4.1					
275/276	EEOS - WEOS	17:05	5°	BM		-	-	30					
278/277	EEOS - WEOS	17:25	5°	BM		-	-	30					
278/279	EEOS - WEOS	18:15	5°	BM		-	-	30					
280/281	NEOS - SEOS	18:23	5°	BM		-	-	4.1					
279/280	EEOS - WEOS	18:25	5°	BM		-	-	30					
282/281	EEOS - WEOS	18:45	5°	BM		-	-	31.5					
282/283	EEOS - WEOS	19:00	4°	BM		-	-	32					
284/285	NEOS - SEOS	19:25	4°	BM		-	-	4.1					
283/285	EEOS - WEOS	19:30	4°	BM		-	-	31					
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: O.O
DATE: SEP-23-11

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
<u>BGM</u>		

SHEET NUMBER: 6
DATE: SEP-19-2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
286/287	WEOS - SEOS	19:45	2°	BM		-	-	4.1					
284/285	EEOS - WEOS	19:50	2°	BM		-	-	31					
288/286	EEOS - WEOS	20:05	2°	BM		-	-	31					
288/289	EEOS - WEOS	20:20	2°	BM		-	-	31					
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
DAILY TOTAL								774.8					

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: O.O.
DATE: SEP-23-11

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

NO.	TIME	TECH ID

SHEET NUMBER: 7
DATE: SEP-20-2011

RG11 FUSION

EXTRUSION

SOLVENT

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
289/290	EEOS - WEOS	15:35	10°	BM		-	-	31					
290/291	EEOS - WEOS	16:05	10°	BM		-	-	32					
291/292	EEOS - WEOS	16:20	10°	BM		-	-	32					
293/294	NEOS - SEOS	16:40	10°	BM		-	-	5.1					
292/293	EEOS - WEOS	16:45	10°	BM		-	-	32					
295/294	EEOS - WEOS	18:45	10°	BM		-	-	33					
296/297	NEOS - SEOS	19:05	10°	BM		-	-	5.1					
295/297	EEOS - WEOS	19:10	10°	BM		-	-	33					
298/299	NEOS - SEOS	19:30	10°	BM		-	-	5.1					
296/298	EEOS - WEOS	19:35	10°	BM		-	-	33					
297/299						-	-						
DAILY TOTAL									241.3				

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: 0.0
DATE: SEP-24-11



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agnico Eagle Mines CONTRACTOR: Agnico Eagle Mines
LOCATION: Baker Lake Nunavut

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
<u>136M</u>		

SHEET NUMBER: 8
DATE: SEP-21-2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (m)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
300/298 301/301	EEOS - WEOS	9:05	10°	BM		-	-	34					
301/301	NEOS - SEOS	9:25	10°	BM		-	-	5.1					
300/301 303/301	EEOS - WEOS	9:30	10°	BM		-	-	37					
303/301	EEOS - WEOS	10:40	10°	BM		-	-	37					
304/301	NEOS - SEOS	11:25	10°	BM		-	-	5.1					
303/301 304/301	EEOS - WEOS	11:30	10°	BM		-	-	37					
306/301 307/301	NEOS - WEOS	11:42	10°	BM		-	-	5.1					
307/301 308/301	EEOS - WEOS	11:45	10°	BM		-	-	37					
308/301	NEOS - SEOS	12:05	10°	BM		-	-	5.1					
309/301	EEOS - WEOS	12:10	10°	BM		-	-	38.5					
310/301	EEOS - WEOS	12:35	10°	BM		-	-	39.					
DAILY TOTAL													

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: OO
DATE: SEP-24-11

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 12C-104 PROJECT TITLE: Storm Water Dike
OWNER: Agriro Eagle Mines CONTRACTOR: Agriro Eagle Mines
LOCATION: Baker Lake, Minnesota

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
<u>139M</u>	<u>FUSION</u>	
	<u>EXTRUSION</u>	
	<u>SOLVENT</u>	

SHEET NUMBER: 9
DATE: SEP-21-2011

SEAM NUMBER	SEAM SECTION * START POINT FINISH POINT	APPROX. START TIME	AMB. AIR TEMP. (°C)	WELD TECH.	PREHEAT OR MACH. SPEED	MACHINE TEMPERATURES		APPROX. LENGTH WELDED (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON-DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL					TEST DATE	CHECKED BY
311/312	NEOS - SEOS	15:25	10°	BM		-	-	5.1					
310/311	EOS - WEOS	15:30	10°	BM		-	-	39					
313/314	NEOS - SEOS	15:55	10°	BM		-	-	5.1					
314/315	EOS - WEOS	16:00	10°	BM		-	-	39					
315/316	EOS - WEOS	17:40	10°	BM		-	-	38					
316/317	EOS - WEOS	18:00	10°	BM		-	-	38					
318/319	NEOS - SEOS	18:15	10°	BM		-	-	13					
319/320	EOS - WEOS	18:20	10°	BM		-	-	5.1					
321/322	EOS - WEOS	18:25	10°	BM		-	-	39					
323/324	EOS - WEOS	18:50	10°	BM		-	-	39					
325/326	NEOS - SEOS	19:05	7°	BM		-	-	71.4					
DAILY TOTAL									611.6				

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR, OR A POINT LOCATION ON THE SEAM.

SUBMITTED BY: O.O
DATE: SEP. 24-11



LAYFIELD

GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 126-104

PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

DATE: SEP-27-2011

VACUUM BOX X

AIR LANCE

SHEET NUMBER: 1

SEAMS										REPAIRS						
SEAM NUMBER	SEAM SECTION * FROM	SEAM SECTION * TO	TEST DATE	TECH ID	DEFECTS **	SEAM COMPLETE NO	SEAM COMPLETE YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **	
244-245	W/EOS	- E/EOS	09/22/11	B.M												
247-248	W/EOS	- E/EOS	09/22/11	B.M												
250-251	N/EOS	- S/EOS	09/22/11	B.M												
253-254	N/EOS	- S/EOS	09/22/11	B.M												
256-258	W/EOS	- S/EOS	09/22/11	B.M												
259-260	N/EOS	- S/EOS	09/22/11	B.M												
262-263	N/EOS	- S/EOS	09/22/11	B.M												
265-266	SW/EOS	- N/E/EOS	09/22/11	B.M												
268-270	N/EOS	- E/EOS	09/22/11	B.M												
271-274	W/EOS	- E/EOS	09/22/11	B.M												
274-275	N/EOS	- S/EOS	09/22/11	B.M												
276-277	N/EOS	- S/EOS	09/22/11	B.M												
280-282	W/EOS	- E/EOS	09/22/11	B.M												
284-287	W/EOS	- E/EOS	09/22/11	B.M												
281-288	W/EOS	- E/EOS	09/22/11	B.M												
290-291	W/EOS	- R/EOS	09/22/11	B.M												
293-294	N/EOS	- S/EOS	09/22/11	B.M												
298-300	W/EOS	- E/EOS	09/22/11	B.M												
302-303	W/EOS	- E/EOS	09/22/11	B.M												
306-305	W/EOS	- E/EOS	09/22/11	B.M												

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS



GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR:

LOCATION: Dater Lake Mansuet

DATE: SEP-22-2011

VACUUM BOX Σ

AIR LANCE

SHEET NUMBER: 2

[illegible]

* REFERENCE SEAM ENDPOINTS FROM AN END OF SEAM (EOS), A REPAIR NUMBER, OR A POINT LOCATION ON THE SEAM

** RECORD QUANTITY OF LEAKS DETECTED AND REFERENCE NEW DEFECT CODE IN REMARKS

LS FORM 6

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: 0.0

DATE: SEP-26-7011



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 126-104
OWNER: Pyroclastic Plains
LOCATION: Barber Lake reservoir
PROJECT TITLE: Storm water Dike
CONTRACTOR: Agnew Earth Movers
SHEET NUMBER: 2

DESTRUCTIVE TEST NUMBER*: DS#2
SEAM NUMBER: 241-314
SAMPLE LOCATION: 7m west to EES
DATE SEAMED / SAMPLED: 25 Sep 2011
TYPE OF SEAM: 60m Fusion
TEST DATE: 26 Sep 2011
ARCHIVE ☒ LAYFIELD ☒ OWNER ☒ ENGINEER ☒
3RD PARTY ☒ YES ☒ NO ☒ WHO?
DATE FORWARDED TO LAB
DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	INSIDE SEAM ADHESION STRENGTH	LOCUS OF BREAK CODE	OUTSIDE SEAM ADHESION STRENGTH
1	180	521	2			
3	169	921	4			
5	178	521	6			
7	173	521	8			
9	178	521	10			
11	182	521	12			

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES: _____

LPL: PASS ☒ FAIL

3RD PARTY / LAB: PASS ☒ FAIL

CHECKED BY: Y.E
DATE: 26 Sep 2011



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: 126-104
OWNER: Agrios Eagle Mine
LOCATION: Barker Lake Nevada
DESTRUCTIVE TEST NUMBER*: DS #1
SEAM NUMBER: 268 - 266
SAMPLE LOCATION: 9m SEVEN to NEEOS
DATE SEAMED / SAMPLED: 25 Sep 2011
TYPE OF SEAM: BGRM FUSION

PROJECT TITLE: Storm Water Dike
CONTRACTOR: Agrios Eagle Mines
SHEET NUMBER: 1
TEST DATE: 26 Sep 2011
ARCHIVE ☐ LAYFIELD ☒ OWNER ☐ ENGINEER ☐
3RD PARTY ☒ YES ☐ NO ☐ WHO?
DATE FORWARDED TO LAB
DATE LAB TEST RESULTS REC'D

FIELD TEST RESULTS (units = lbf. / in. width = ppi)

SHEAR STRENGTH			PEEL ADHESION			
SPECIMEN NUMBER	SEAM STRENGTH	** LOCUS OF BREAK CODE	SPECIMEN NUMBER	INSIDE SEAM ADHESION STRENGTH	LOCUS OF BREAK CODE	OUTSIDE SEAM ADHESION STRENGTH
1	178	SE 1	2			
3	190	SE 1	4			
5	186	SE 1	6			
7	180	SE 1	8			
9	164	SE 1	10			
11	175	SE 1	12			

* DESTRUCTIVE TEST NUMBERS SHOULD BE SEQUENTIAL AND ARE TO BE PREFIXED BY EITHER DT (FUSION), DX (EXTRUSION) OR DS (SOLVENT).

** REFER TO LOCUS OF BREAK CODE DIRECTORIES PROVIDED FOR UNSUPPORTED AND SUPPORTED MATERIALS.

NOTES:

LPL: PASS ☒ FAIL

3RD PARTY / LAB: PASS ☐ FAIL ☐

CHECKED BY: X.E.
DATE: 26 Sep 2011



GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 12C-104

PROJECT TITLE: Storm Water Dike

OWNER: Agnico Eagle Mines

CONTRACTOR: Agnico Eagle Mines

LOCATION: Baker Lake Nunavut

SHEET NUMBER: 1

DEFECT CODE	LOG DATE	DEFECT LOCATION		DEFECT TYPE	REPAIR TYPE	WELD TECH.	REPAIR DATE	REMARKS **	TEST DATE	CHECKED BY
		SEAM OR PANEL NO.	DEFECT LOCATION DESCRIPTION							
1A	09/26/11	S-266-267	7m from WEOS to SEOS	JO	P	B.M	09/23/11			
1B	09/26/11	S-268-266	9m F SEOS to WEOS	DS#1	P	B.M	09/23/11		09/26/11	YE
1C	09/26/11	S-248-319	7m from WEOS to SEOS	DS#2	P	B.M	09/23/11		09/26/11	YE
1D	09/26/11	P-266-266	46m from SEOS to WEOS	RC	C	B.M	09/23/11			
1E	09/26/11	P-256-257	10m from SEOS to WEOS	RC	C	B.M	09/23/11			
1F	09/26/11	P-272-271	4.5m from WEOS to SEOS	RC	C	B.M	09/23/11			
1G	09/26/11	P-274-273	20m from WEOS to SEOS	RC	C	B.M	09/23/11			
1H	09/26/11	P-276-277	4m from WEOS to SEOS	RC	C	B.M	09/24/11			
1I	09/26/11	P-280-281	11m from WEOS to SEOS	RC	C	B.M	09/24/11			
1J	09/26/11	P-284-285	23m from WEOS to SEOS	RC	C	B.M	09/24/11			
1K	09/26/11	P-287-286	19m from WEOS to SEOS	RC	C	B.M	09/24/11			
1L	09/26/11	P-294-293	21m from WEOS to SEOS	RC	C	B.M	09/24/11			
1M	09/26/11	P-297-296	10.5m from WEOS to SEOS	RC	C	B.M	09/24/11			
1N	09/26/11	P-299-298	7m from WEOS to SEOS	RC	C	B.M	09/24/11			
1O	09/26/11	P-302-301	13m from WEOS to SEOS	RC	C	B.M	09/25/11			
1P	09/26/11	P-305-304	29m from WEOS to SEOS	RC	C	B.M	09/25/11			
1Q	09/26/11	P-307-306	12.5m from WEOS to SEOS	RC	C	B.M	09/25/11			
1R	09/26/11	P-309-308	24.5m from WEOS to SEOS	RC	C	B.M	09/25/11			
1S	09/26/11	P-312-311	3m from WEOS to SEOS	RC	C	B.M	09/25/11			
1T	09/26/11	P-314-313	24m from WEOS to SEOS	RC	C	B.M	09/25/11			

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE

EE - EARTHWORK EQUIPMENT DAMAGE

PT - PRESSURE TEST CUT

B - UNDISPERSED RESIN BEAD

RO - FUSION WELDER BURN

BS - BOOT/SKIRT FROM PAIL PENETRATION

CO - CHANGE OF OVERLAP

CR - CREASE

D - INSTALLATION DAMAGE

DS - DESTRUCTIVE TEST NUMBER

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, G&W - GRIND/WELD

SI - SOIL SURFACE IRREGULARITY

SL - SLAG ON TEXTURED SHEET

T - THREE PANEL INTERSECTION

VL - VACUUM TEST LEAK

WR - WRINKLE

WS - WELDER RESINART

XD - MANUFACTURE/DELIVERY DAMAGE

RC OTHER: Reinforcement, Gross Seam

PASSING TRIAL SEAMS

NO. TIME TECH ID.

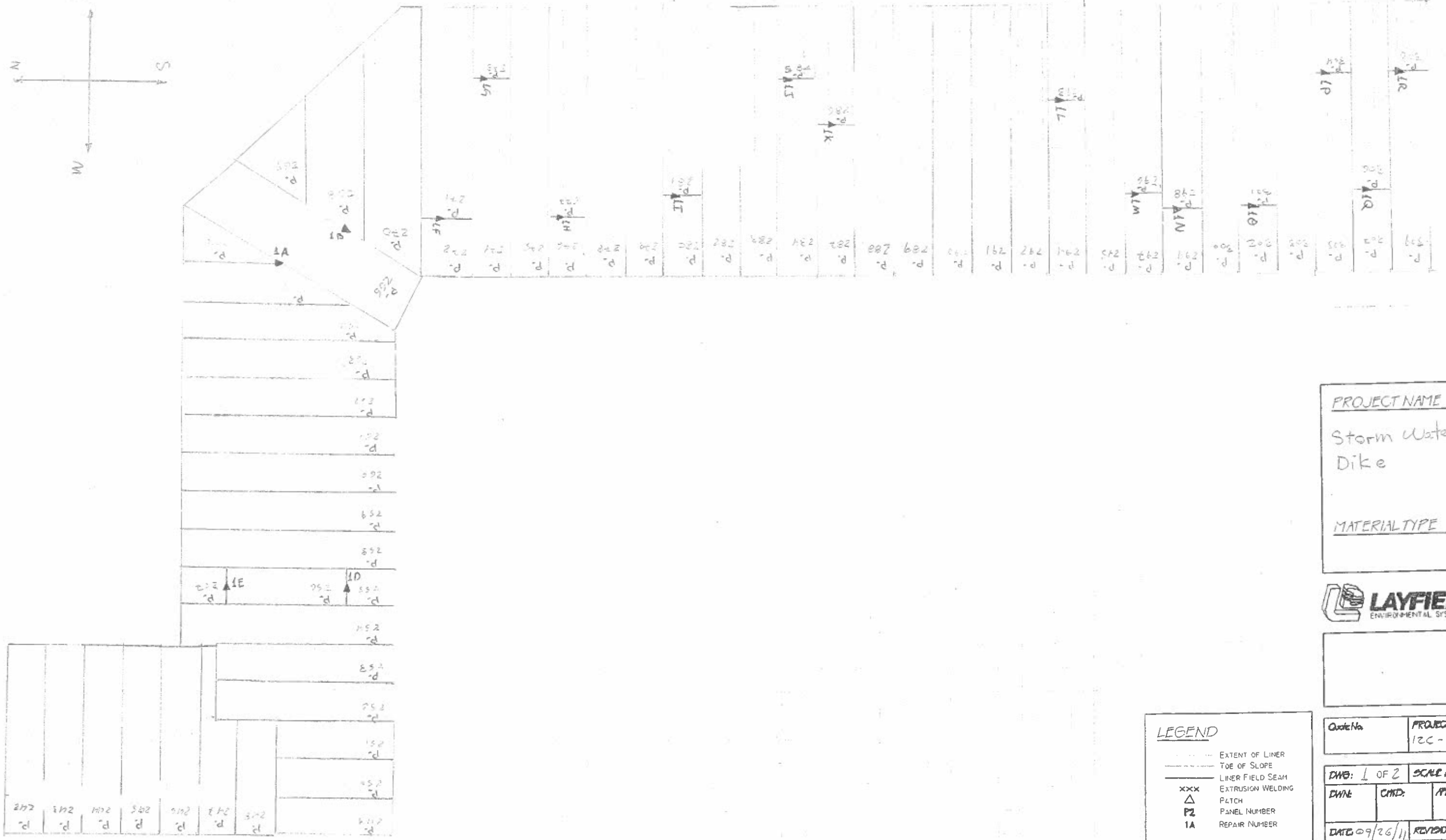
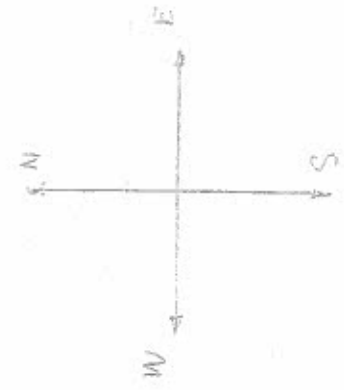
** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

LPL FORM 7

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: O.O.

DATE: SEP-26-2011



PROJECT NAME
Storm Water Dike

MATERIAL TYPE



LEGEND

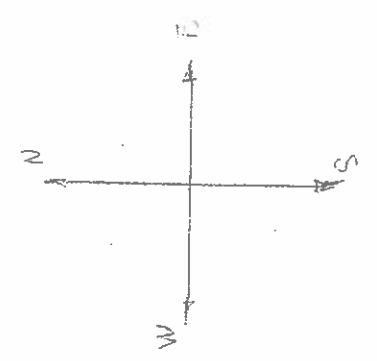
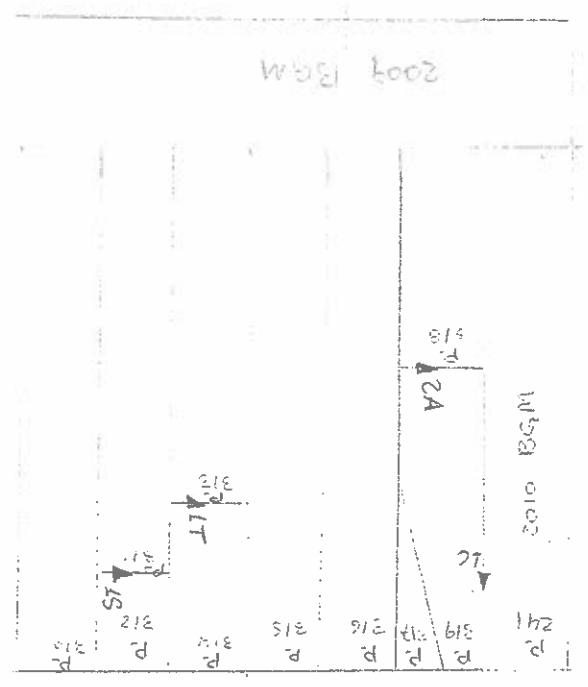
--- EXTENT OF LINER
 --- TOE OF SLOPE
 --- LINER FIELD SEAM
 XXX EXTRUSION WELDING
 Δ PATCH
 P2 PANEL NUMBER
 1A REPAIR NUMBER

Order No. PROJECT No. 12C-104

DWG: 1 OF 2 SCALE:

DWG: CHD: APPD:

DATE 09/26/11 REVISION:



PROJECT NAME
Storm Water
Dike

MATERIAL TYPE



LEGEND			
---	EXTENT OF LINER		
---	TOE OF SLOPE		
---	LINER FIELD SEAM		
XXX	EXTRUSION WELDING		
Δ	PATCH		
P2	PANEL NUMBER		
1A	REPAIR NUMBER		

Quote No.	PROJECT No. 12C-104
-----------	------------------------

DWG: 2 OF 2		SCALE:
DWG:	CHKD:	APPD:
DATE 09/25/11		REVISION:

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PROJECT NAME: Saddle Dam 2 and Storm Water Dike
PROJECT NUMBER: 17C-104 **DATE:** 26 September 2011
OWNER: Agnico Eagle Mines
LOCATION: Bulker Lake Nunavut

SCOPE OF INSTALLATION(S): THE WORK

- Saddle Dam 2. Installation of underlay of Geotextile over lay
LLDPE 60 mil textured testing and weld. 100% completed
- Storm Water Dike installation of BGM 152 and E53 with 20 ac
100% completed
- Some Repairs on saddle Dam 1 100% completed with testing

Part 1 – LAYFIELD ENVIRONMENTAL SYSTEMS LTD.

I, Yonatan Espindole, a duly appointed representative of Layfield Environmental Systems Ltd. (LESL), have visually observed the installations (as outlined above), and have found the Work to be complete and free of defects and declare that the Work was completed in accordance with the project specifications, Layfield Environmental Systems' QC program and the terms and conditions of the contract.

Layfield Environmental Systems Representative:

Name: Yonatan Espindole
Title: Supervisor
Date: 26 Sep 2011 **Signature:** Yonatan Espindole

Part 2 – OWNER (or Representative)

I, _____, a duly appointed representative of _____, do hereby take over and accept the installation(s) described above, and confirm that the work has been completed in accordance with the project specifications and the terms of the conditions of the contract.

I have evaluated and measured the work together with the Layfield Environmental Systems representative, and agree that the measurements shown are both true and correct, and that the installation has met our approval.

Owners Representative:

Name: Thomas Lapine
Title: Jr ENG
Company: AET
Date: 26-09-2011 **Signature:** [Signature]

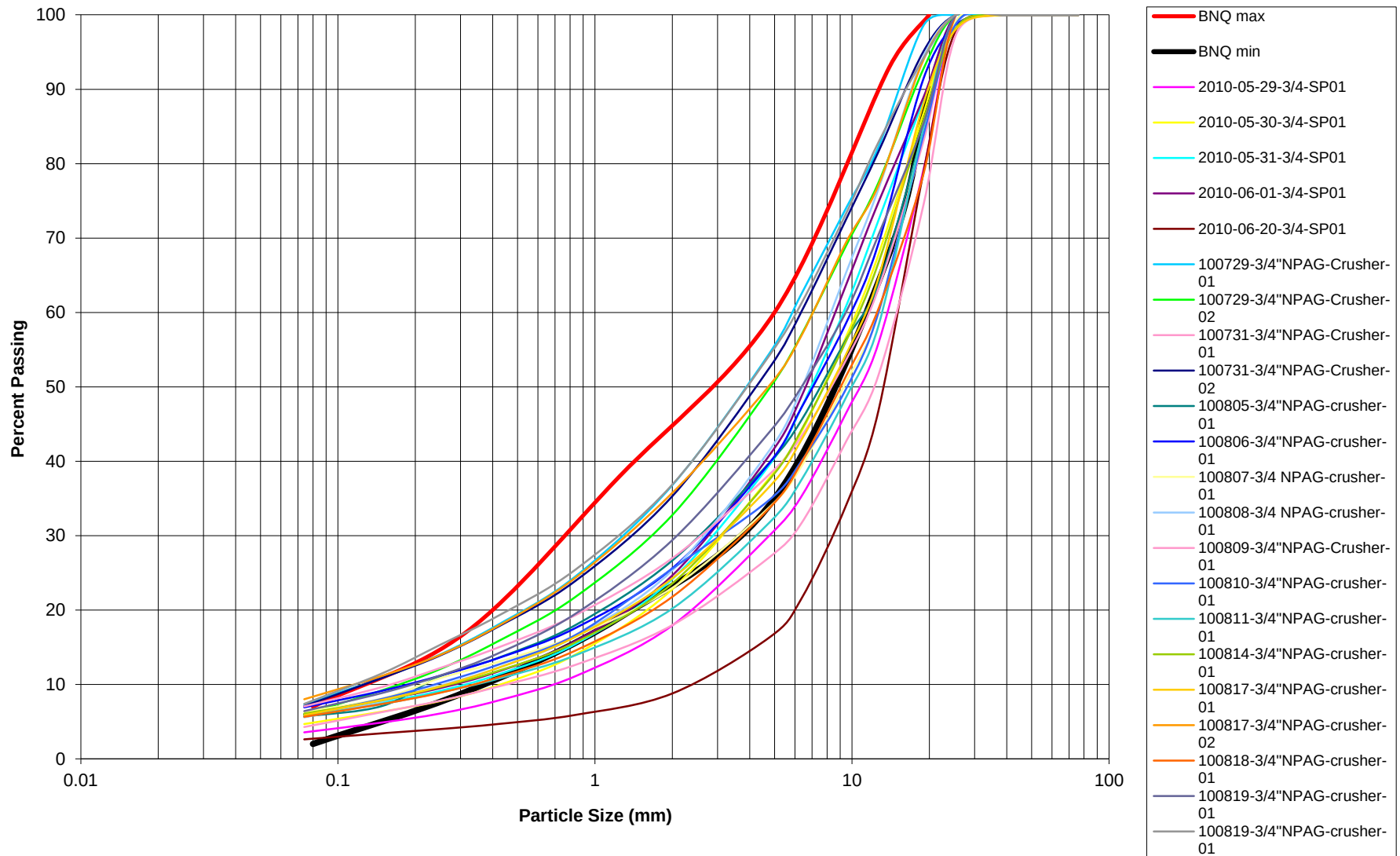
Comments: _____

APPENDIX B

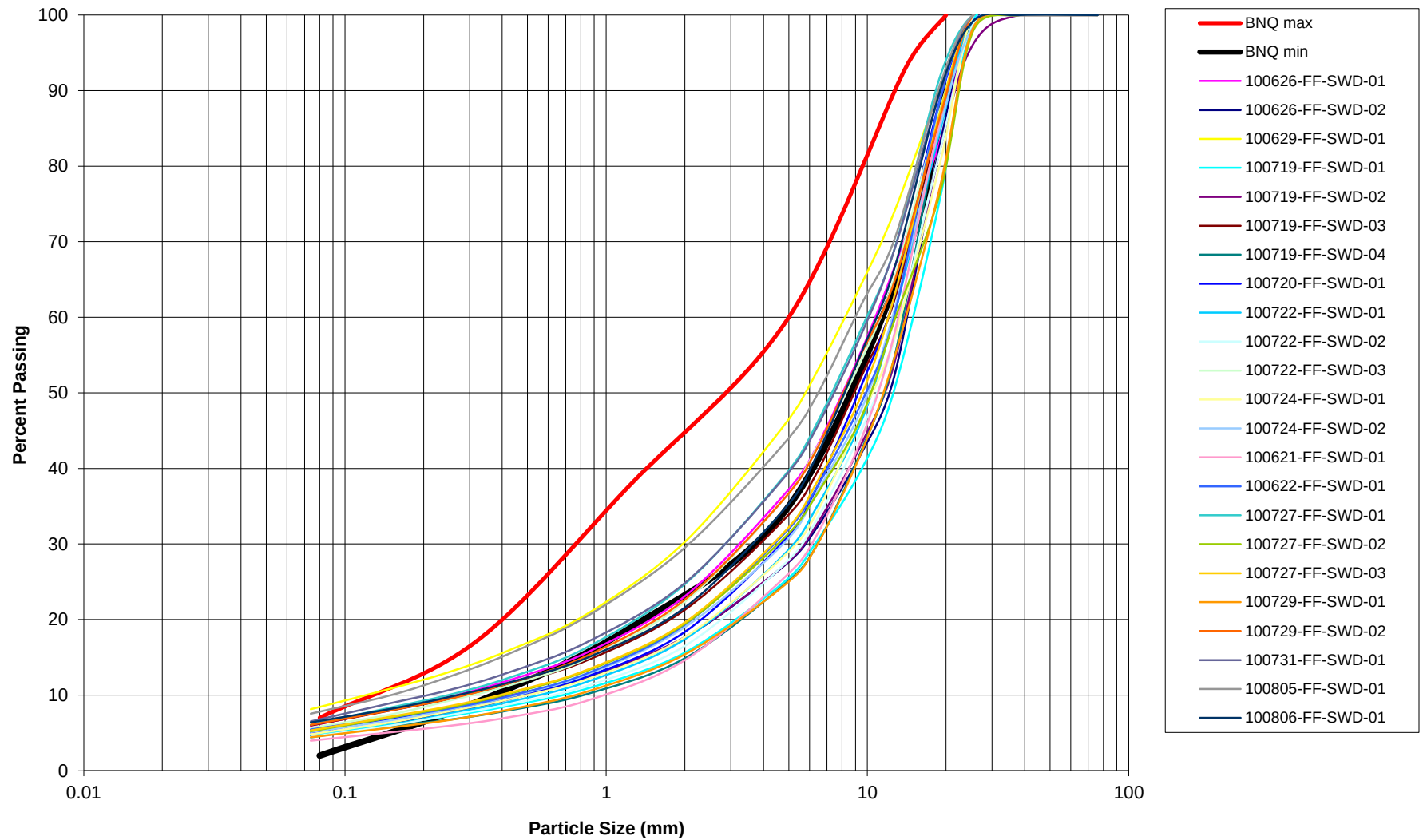
QC DOCUMENTATION

Earthworks QC Documentation

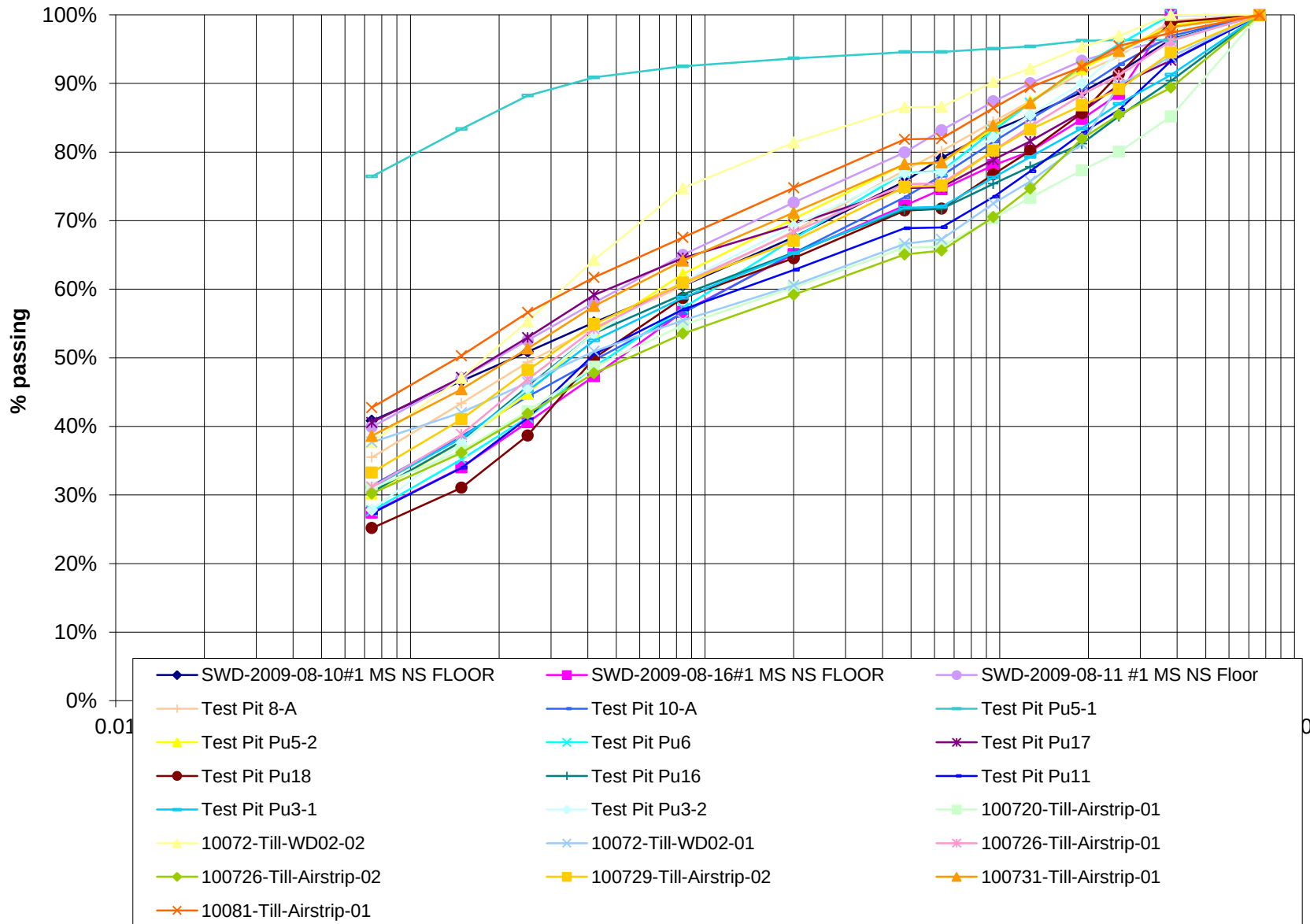
FGL 3/4 Crush Particle Size Distribution



SWD 3/4 Crush Particle Size Distribution



Till - Grain size analysis



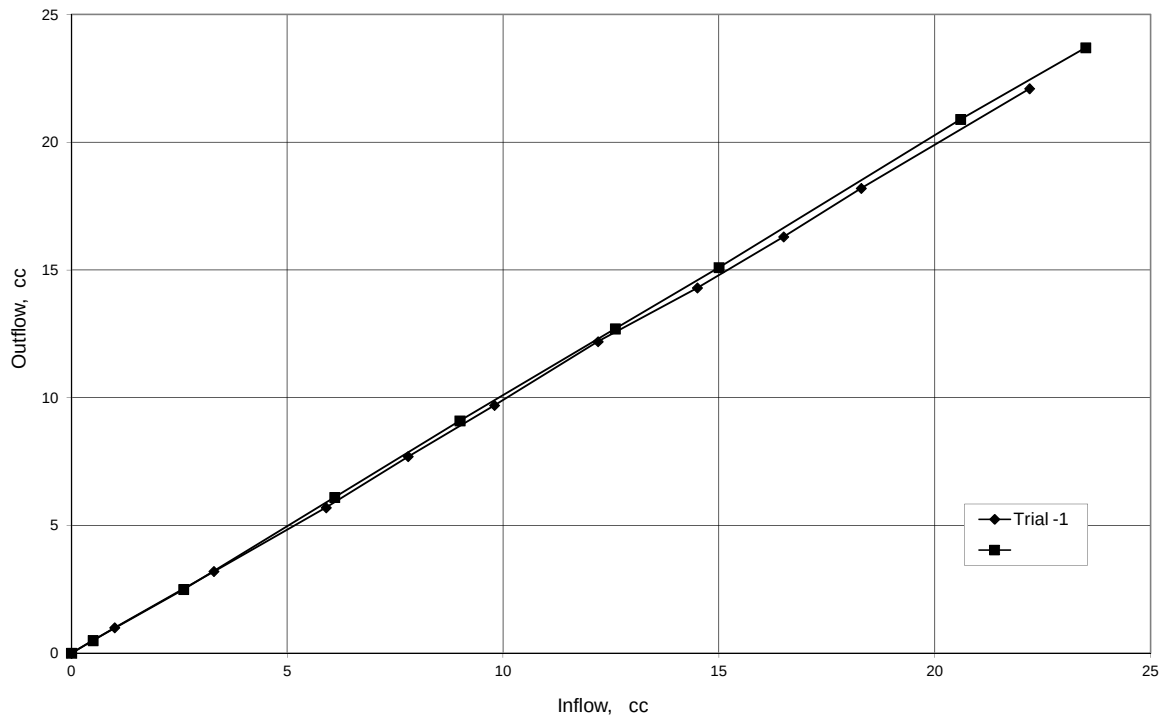
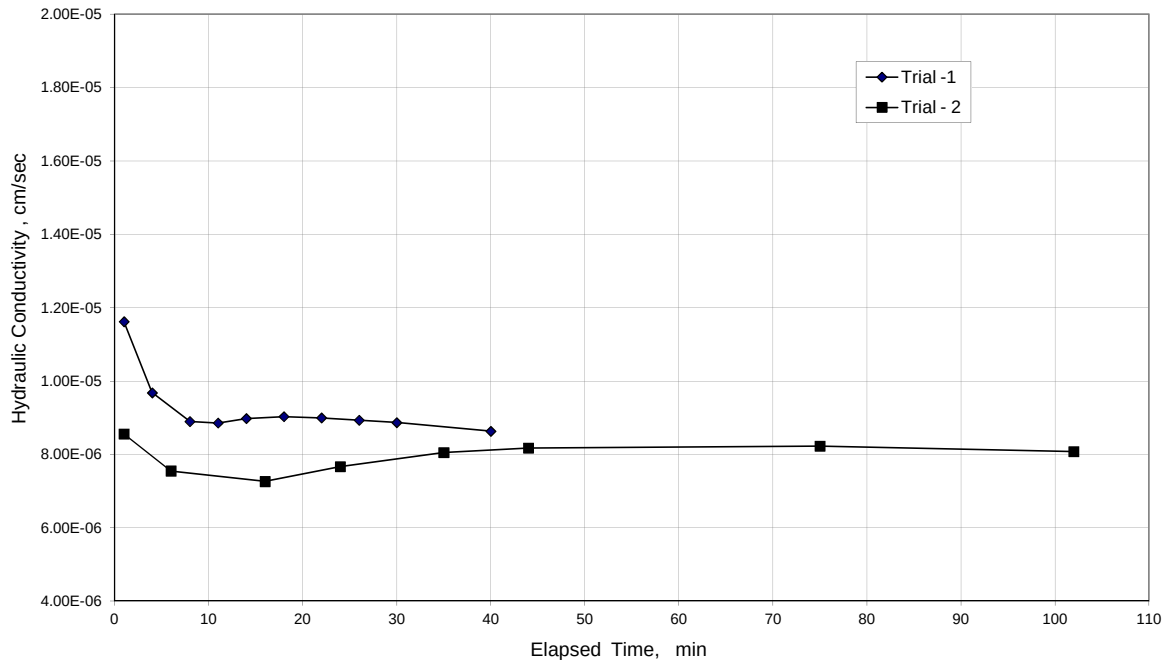
APPENDIX B

2009 QA DOCUMENTATION



Measurements of Hydraulic Conductivity Using a Flexible Wall Permeameter												Reference: ASTM D5084-03 Method C			
Client	AEM			Sample	SD1110409-01 SA192			Falling Head, rising tailwater elevation							
Project	Meadowbank Gold Project				SD1110409-02 SA193										
Location	Nunavut				Combined										
Project #	09-1428-5007			Test Number	Ktest-1			Lab ID	241						
Remarks: SA192 Location - SD1, Sta. 0+140, offset 50m E, El. 141, In situ Sample Geometry Initial Final Diameter = 15.23 15.34 cm Length = 11.65 11.42 cm Area = 182.08 184.74 cm² Volume = 2120.5 2110.0 cm³ Test Parameters Cell Pressure = 40.0 psi Back Pressure = 30.0 psi σ'_{3c} = 10.0 psi δV_c = 10.6 cc B value = 0.96 a_{in} = 1.00 cm² a_{out} = 1.00 cm² Phase Relationships Initial Final Wet Weight (g) = 4452.0 4680.2 Dry Weight (g) = 4142.6 4142.6 w (%) = 7.5 13.0 ρ_{dry} (kg/m³) = 1954 1963 S (%) = 58.7 100.0 e = 0.33 0.32 G_s (assumed) = 2.60 2.60															
Read #	Date (mm/dd/yy)	Time (hh:mm)	Elapsed Time (min)	Burette Readings		Applied Pressure		Head Loss			Flow Volume		Viscosity Correction		k ₂₀ (cm/sec)
				Bottom (cc)	Top (cc)	P _{bot} (psi)	P _{top} (psi)	h (cm)	h ₁ (cm)	h ₂ (cm)	V _{in} (cc)	V _{out} (cc)	Temp (°C)	R _t	
1	1/19/2010	7:00	0.0	1.0	24.0	31.0	30.0	93.3	--	--	0.0	0.0	18.4	1.041	--
2			1.0	2.0	23.0	31.0	30.0	91.3	93.3	91.3	1.0	1.0	18.4	1.041	1.2E-05
3			4.0	4.3	20.8	31.0	30.0	86.8	93.3	86.8	3.3	3.2	18.4	1.041	9.7E-06
4			8.0	6.9	18.3	31.0	30.0	81.7	93.3	81.7	5.9	5.7	18.4	1.041	8.9E-06
5			11.0	8.8	16.3	31.0	30.0	77.8	93.3	77.8	7.8	7.7	18.4	1.041	8.9E-06
6			14.0	10.8	14.3	31.0	30.0	73.8	93.3	73.8	9.8	9.7	18.4	1.041	9.0E-06
7			18.0	13.2	11.8	31.0	30.0	68.9	93.3	68.9	12.2	12.2	18.4	1.041	9.0E-06
8			22.0	15.5	9.7	31.0	30.0	64.5	93.3	64.5	14.5	14.3	18.4	1.041	9.0E-06
9			26.0	17.5	7.7	31.0	30.0	60.5	93.3	60.5	16.5	16.3	18.4	1.041	8.9E-06
10			30.0	19.3	5.8	31.0	30.0	56.8	93.3	56.8	18.3	18.2	18.4	1.041	8.9E-06
11			40.0	23.2	1.9	31.0	30.0	49.0	93.3	49.0	22.2	22.1	18.4	1.041	8.6E-06
Trial-1													Average k ₂₀ (cm/sec) =		9.2E-06
1	1/19/2010	8:00	0.0	0.6	23.6	30.5	30.0	58.2	--	--	0.0	0.0	21.8	0.958	--
2			1.0	1.1	23.1	30.5	30.0	57.2	58.2	57.2	0.5	0.5	21.8	0.958	8.6E-06
3			6.0	3.2	21.1	30.5	30.0	53.1	58.2	53.1	2.6	2.5	21.8	0.958	7.5E-06
4			16.0	6.7	17.5	30.5	30.0	46.0	58.2	46.0	6.1	6.1	21.8	0.958	7.3E-06
5			24.0	9.6	14.5	30.5	30.0	40.1	58.2	40.1	9.0	9.1	21.8	0.958	7.7E-06
6			35.0	13.2	10.9	30.5	30.0	32.9	58.2	32.9	12.6	12.7	21.8	0.958	8.1E-06
7			44.0	15.6	8.5	30.5	30.0	28.1	58.2	28.1	15.0	15.1	21.8	0.958	8.2E-06
8			75.0	21.2	2.7	30.5	30.0	16.7	58.2	16.7	20.6	20.9	21.8	0.958	8.2E-06
9			102.0	24.1	-0.1	30.5	30.0	11.0	58.2	11.0	23.5	23.7	21.8	0.958	8.1E-06
Trial-2													Average k ₂₀ (cm/sec) =		7.9E-06
Sample Description: _____ Conversion from pressure to water head: _____ Comments : Compacted to 95% of Standard Proctor Density at Optimum Water Content 1 psi = 70.305 cm of H₂O Permeant Liquid : Tap water															
TM		January 19, 2010				LP				January 21, 2010					
Tested By		Date				Reviewed By				Date					

Measurements of Hydraulic Conductivity Using a Flexible Wall Permeameter				Reference: ASTM D5084-03 Method C	
Client	Agnico	Sample	SD1110409-01 SA192	Falling Head, rising tailwater elevation	
Project	Dike Construction		SD1110409-02 SA193		
Location	Nunavut		Combined		
Project #	09-1428-5007	Test Number	Ktest-1	Lab ID	241



TM	January 19, 2010	LP	January 21, 2010
Tested By	Date	Reviewed By	Date



Golder Associates Ltd. - Burnaby Laboratory
 4280 Still Creek Drive
 Burnaby, B.C. Canada V5C 6C8

Compaction of Soil Using Standard Effort				Reference ASTM D 698-07																
Client:	AEM		Sample No.:	192 - 193 combined																
Project:	Meadowbank Gold Project		Field Label:	SD1110409-01 and SD1110409-02																
Location:	Nunavut		Depth (m):	NA																
Project No.:	09-1428-5007		Lab ID No:	SA-192 and SA-193																
Effort Type:	Standard		Visual Description:	-																
Test Method:	C		Type of Rammer:	Manual																
Preparation Method:	Moist		Mould Volume (m³):	0.002120																
Remarks:	Sample locations: SD1, SA192 Sta. 0+140; SA193 Sta. 0+310																			
Compaction Results																				
Trial No.:	1	2	3	4																
Unit Weight (KN/m³)	20.69	21.09	21.29	21.15																
Water Content (%)	2.9	4.8	6.4	8.4																
The graph plots Unit Weight (KN/m³) on the y-axis (ranging from 20.00 to 22.00) against Water Content (%) on the x-axis (ranging from 0 to 10). It includes three data series: Proctor Results (open circles), a 100% Saturation Curve (dashed line), and a Polynomial fit to the Proctor Results (solid line). The Proctor results show a peak unit weight of approximately 21.30 KN/m³ at 6.7% water content. <table border="1"> <caption>Proctor Test Data Points</caption> <thead> <tr> <th>Trial No.</th> <th>Water Content (%)</th> <th>Unit Weight (KN/m³)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.9</td> <td>20.69</td> </tr> <tr> <td>2</td> <td>4.8</td> <td>21.09</td> </tr> <tr> <td>3</td> <td>6.4</td> <td>21.29</td> </tr> <tr> <td>4</td> <td>8.4</td> <td>21.15</td> </tr> </tbody> </table>						Trial No.	Water Content (%)	Unit Weight (KN/m ³)	1	2.9	20.69	2	4.8	21.09	3	6.4	21.29	4	8.4	21.15
Trial No.	Water Content (%)	Unit Weight (KN/m ³)																		
1	2.9	20.69																		
2	4.8	21.09																		
3	6.4	21.29																		
4	8.4	21.15																		
Uncorrected Optimum w (%)	6.7		Uncorrected Unit Weight (KN/m³)	21.30																
ASTM D 4718-87 (2007) Correction for oversize particles																				
Max Percent Oversize (%)	20		Sieve Size (mm)	20.00																
Oversized Fraction			Test Fraction																	
Percent Oversized Fraction (%)	9.1		Percent Test Fraction (%)	90.9																
G_{sc} (assumed)	2.70		G_{sf} (assumed)	2.70																
Water Content of Oversized (%)	1.5		Water Content of Test (%)	6.7																
Final Results																				
Corrected Optimum w (%)	6.2		Corrected Unit Weight (KN/m³)	21.68																
			Corrected Dry Density (Kg/m³)	2210																
TM / RG	December 16, 2009		LP	January 13, 2010																
TESTED BY	DATE		CHECKED BY	DATE																

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **183**
Field Label: SD1 103009-01

Depth (m): NA

Lab ID No: SA183

Remarks: Water content=2.5%

Sa. Location: SD1, Sta. 0+240 offset 75mE 15mS

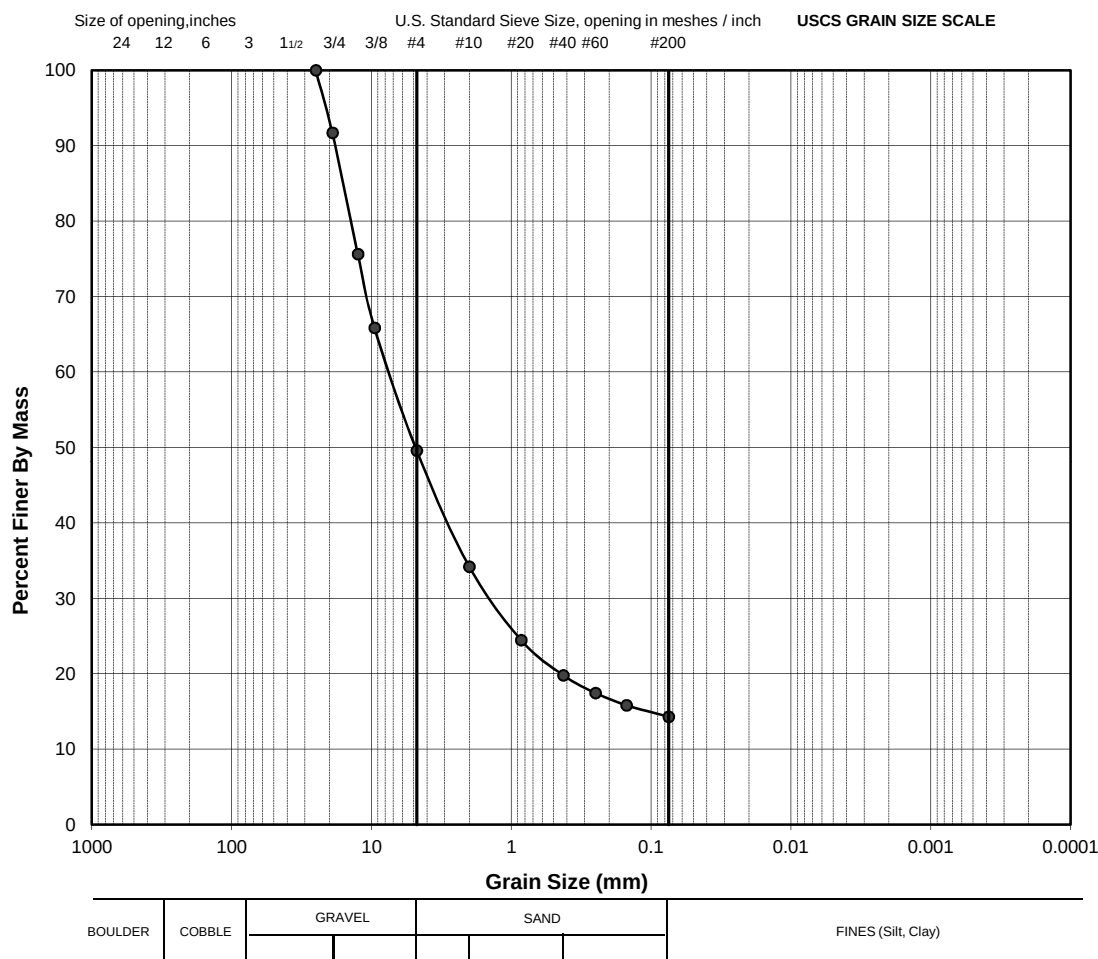
Date Sampled: October 30, 2009

Material Specification: 19mm minus and Bentonite mix

Method: COMBINED, WASHED

Date Tested: November 3, 2009

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	91.7
1/2"	12.5	75.6
3/8"	9.5	65.9
#4	4.8	49.6
#10	2.0	34.2
#20	0.9	24.5
#40	0.4	19.8
#60	0.3	17.4
#100	0.2	15.8
#200	0.1	14.3



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards

November 3, 2009

Glen Rutherford

November 9, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **185**
Field Label: SD1 103009-03

Depth (m): NA

Lab ID No: SA185

Remarks: Water content=2.1%

Sa. Location: SD1, Sta. 0+215, offset 70mE 15mS

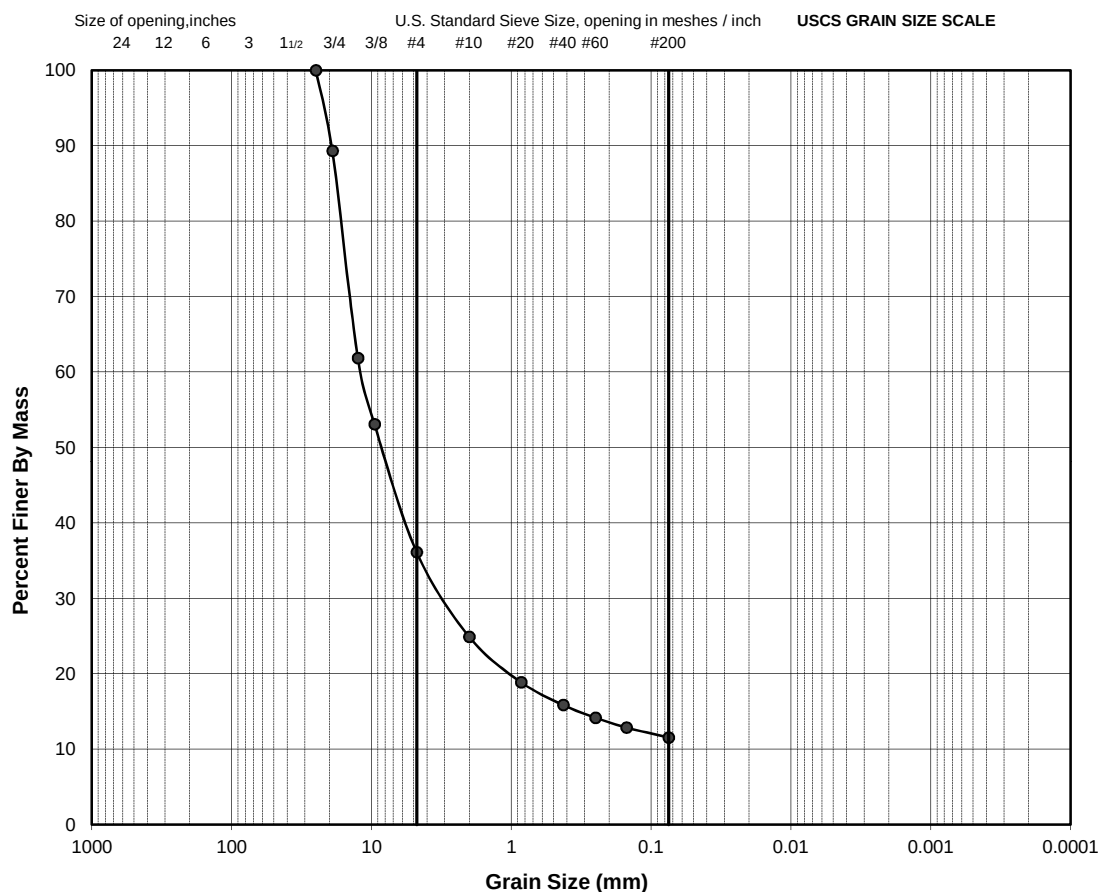
Date Sampled: October 30, 2009

Material Specification: 19mm minus and Bentonite mix

Method: COMBINED, WASHED

Date Tested: November 2, 2009

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	89.3
1/2"	12.5	61.9
3/8"	9.5	53.1
#4	4.8	36.1
#10	2.0	24.9
#20	0.9	18.9
#40	0.4	15.9
#60	0.3	14.2
#100	0.2	12.9
#200	0.1	11.5



BOULDER	COBBLE	GRAVEL	SAND	FINES (Silt, Clay)
---------	--------	--------	------	--------------------

** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards

November 2, 2009

Glen Rutherford

November 9, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **186**
Field Label: SD1 103109-01

Depth (m): NA

Lab ID No: SA186

Remarks: Water content=3.0%

Sa. Location: SD1, Sta. 0+265, offset 70mE 15mS

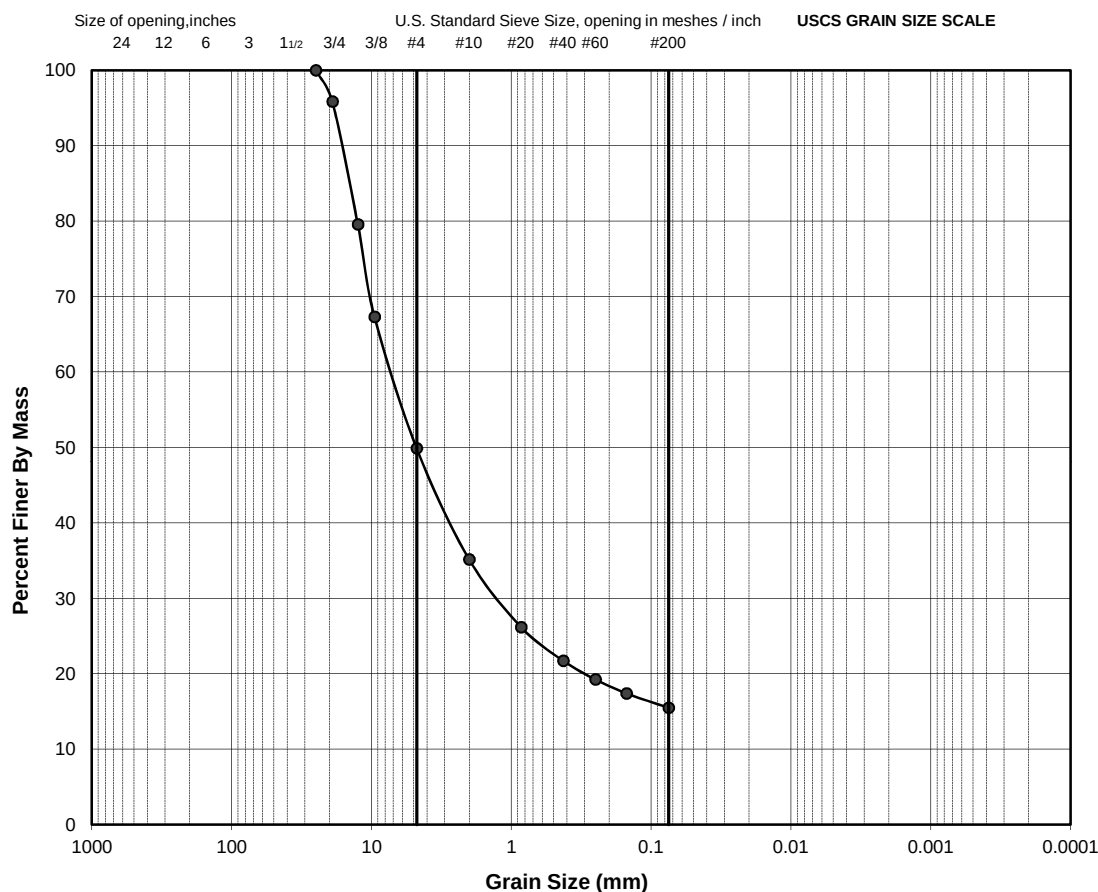
Date Sampled: October 31, 2009

Material Specification: 19mm minus and Bentonite mix

Method: COMBINED, WASHED

Date Tested: November 3, 2009

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	95.9
1/2"	12.5	79.6
3/8"	9.5	67.3
#4	4.8	49.9
#10	2.0	35.2
#20	0.9	26.2
#40	0.4	21.7
#60	0.3	19.2
#100	0.2	17.4
#200	0.1	15.5



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards

November 3, 2009

Glen Rutherford

November 9, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **192 - 193 combined**
Field Label: SD1110409-01 and SD1110409-02

Depth (m): NA

Lab ID No: SA-192 and SA-193

Remarks:
Sa. Location: SA192: SD1, Sta. 0+140, offset 50mE

SA193: SD1, Sta. 0+310, offset 40mE 15mS

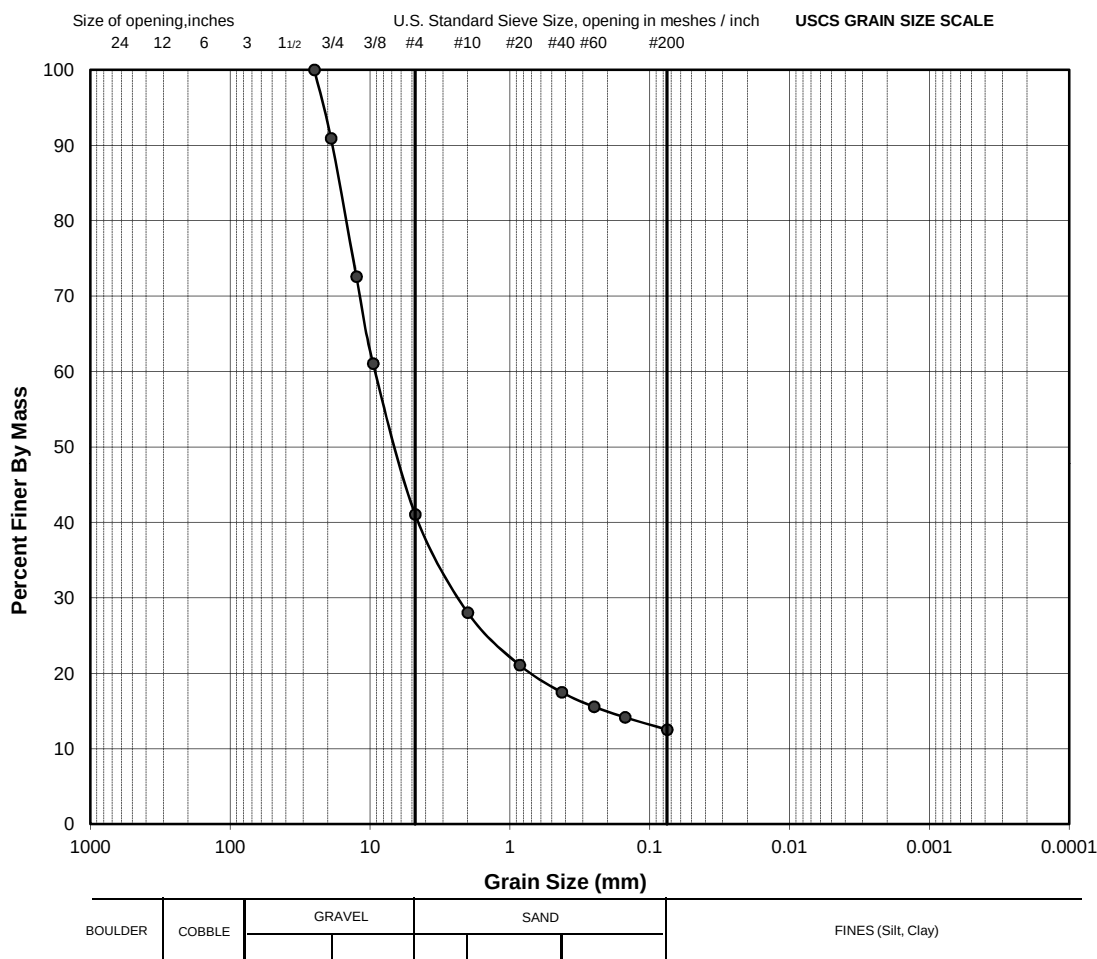
Date Sampled: November 4, 2009

Material Specification: 19mm minus and Bentonite mix

Method: SPLIT, WASHED

Date Tested: December 15, 2009

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	90.9
1/2"	12.5	72.6
3/8"	9.5	61.1
#4	4.8	41.1
#10	2.0	28.0
#20	0.9	21.1
#40	0.4	17.5
#60	0.3	15.6
#100	0.2	14.2
#200	0.1	12.5



* The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.

TM

December 15, 2009

LP

January 13, 2010

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Sample No.: **168**
Field Label: SD1 101009-06

Depth (m): NA

Lab ID No: SA168

Remarks: Water Content = 1.9%

Date Sampled: October 10, 2009

Sa. Location: Saddle Dam 1, Sta. 0+316 El. 137.6

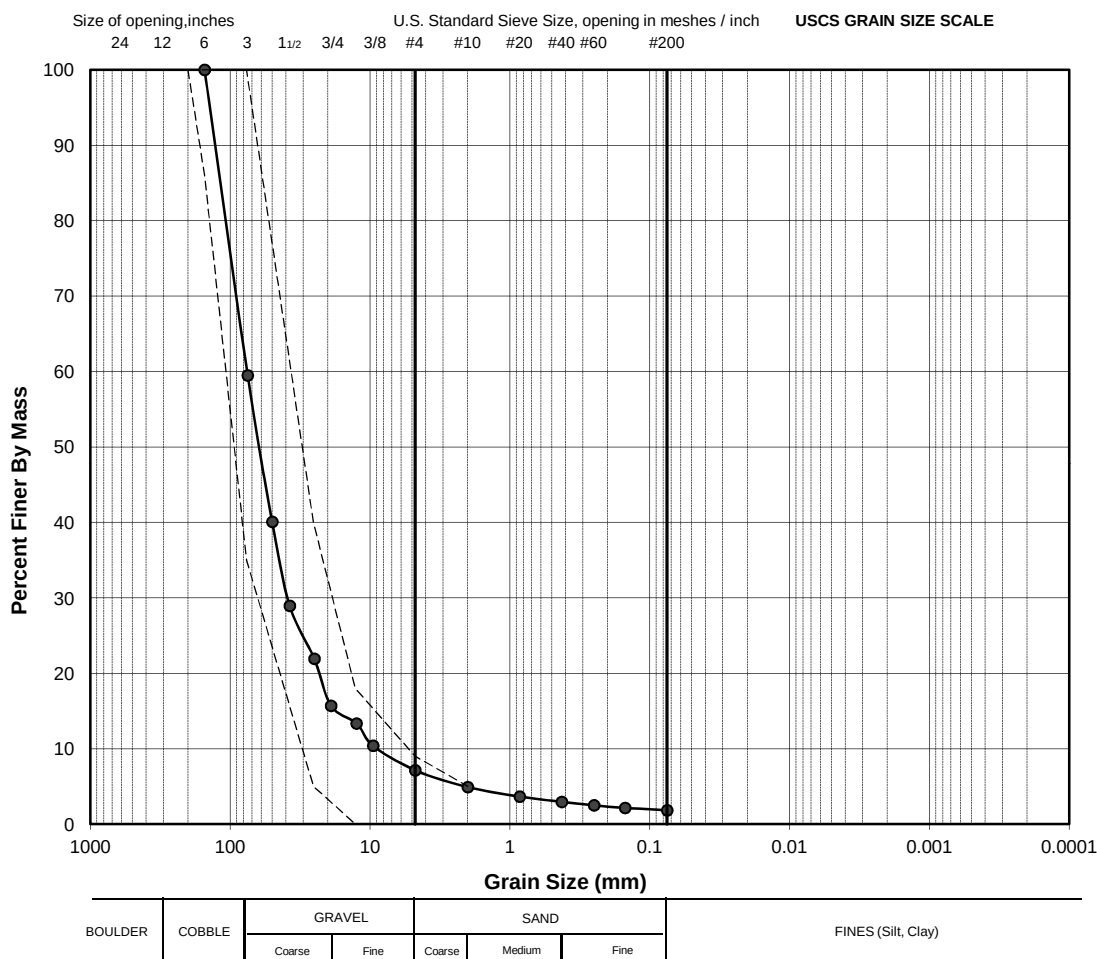
Material Specification: Coarse filter

Coarse Filter layer in place

Method: SPLIT, WASHED

Date Tested: November 3, 2009

Sieve Size (USS)	(mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	59.5
2"	50.0	40.1
1.5"	37.5	28.9
1"	25.0	21.9
3/4"	19.0	15.7
1/2"	12.5	13.3
3/8"	9.5	10.4
#4	4.8	7.1
#10	2.0	4.9
#20	0.9	3.7
#40	0.4	3.0
#60	0.3	2.5
#100	0.2	2.2
#200	0.1	1.8



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards

November 3, 2009

Glen Rutherford

December 4, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007 (2000)

Sample No.: **176**
Client: AEM

Field Label: SD1 101809-03

Project: Meadowbank Gold Project

Depth (m): NA

Location: Nunavut

Lab ID No: SA176

Remarks: Water Content = 1.7%

Date Sampled: October 18, 2009

Sa. Location: Saddle Dam 1, Sta. 0+285 El. 138.5

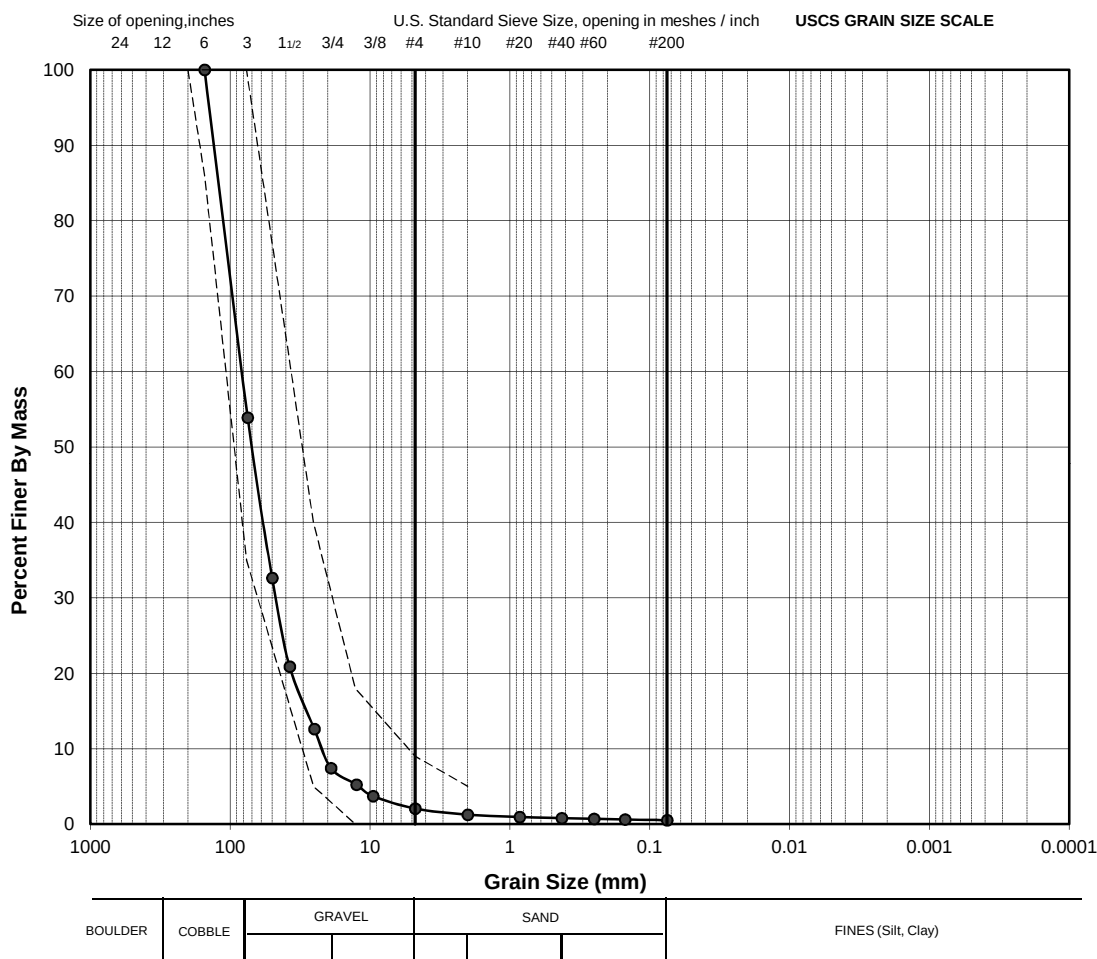
Material Specification: Coarse filter

Coarse filter layer in

Method: SPLIT, WASHED

Date Tested: November 3, 2009

Sieve Size (USS)	(mm)	Passing %
8"	200.0	100.0
6"	152.4	100.0
3"	75.0	53.9
2"	50.0	32.6
1.5"	37.5	20.9
1"	25.0	12.6
3/4"	19.0	7.4
1/2"	12.5	5.2
3/8"	9.5	3.7
#4	4.8	2.1
#10	2.0	1.2
#20	0.9	0.9
#40	0.4	0.8
#60	0.3	0.7
#100	0.2	0.6
#200	0.1	0.5



** The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.*

Damian Edwards

November 3, 2009

Glen Rutherford

November 9, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007 (2000)

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Remarks: Water content=1.6%

Sta. Location: SD1, Sta. 0+220 offset 60mE

Fine filter layer in place

Sample No.: **163**
Field Label: SD1 101009-01

Depth (m): NA

Lab ID No: SA163

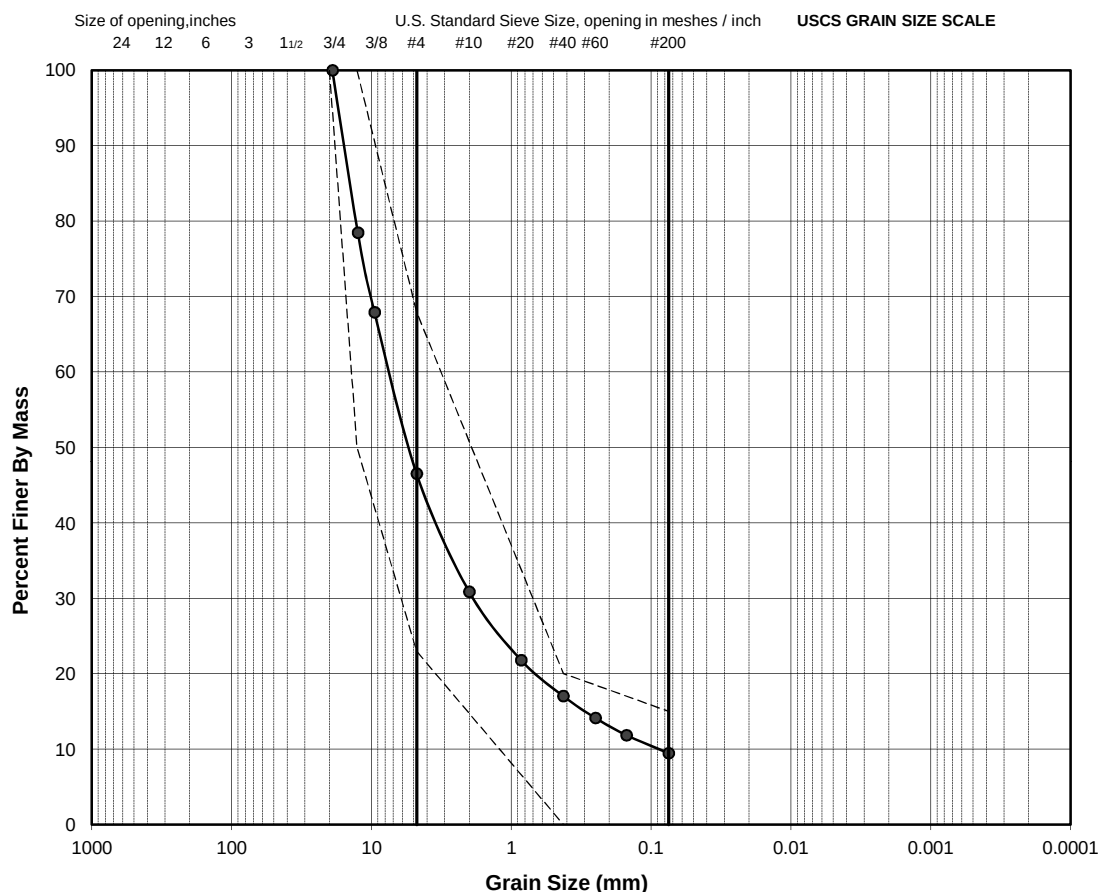
Date Sampled: October 10, 2009

Material Specification: Fine filter

Method: COMBINED, WASHED

Date Tested: October 31, 2009

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	100.0
1/2"	12.5	78.5
3/8"	9.5	67.9
#4	4.8	46.5
#10	2.0	30.9
#20	0.9	21.8
#40	0.4	17.0
#60	0.3	14.1
#100	0.2	11.8
#200	0.1	9.5



BOULDER	COBBLE	GRAVEL		SAND			FINES (Silt, Clay)
		Coarse	Fine	Coarse	Medium	Fine	

* The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.

Damian Edwards

October 31, 2009

Glen Rutherford

December 2, 2009

TESTED BY

DATE

CHECKED BY

DATE

PARTICLE SIZE ANALYSIS OF SOILS

Reference

ASTM C136-06 & C117-04

Project No.: 09-1428-5007 (2000)

Client: AEM

Project: Meadowbank Gold Project

Location: Nunavut

Remarks: Water content= 1.4%

Sa. Location: SANA crusher stockpile

Sample No.: **164**
Field Label: SD1 101009-02

Depth (m): NA

Lab ID No: SA164

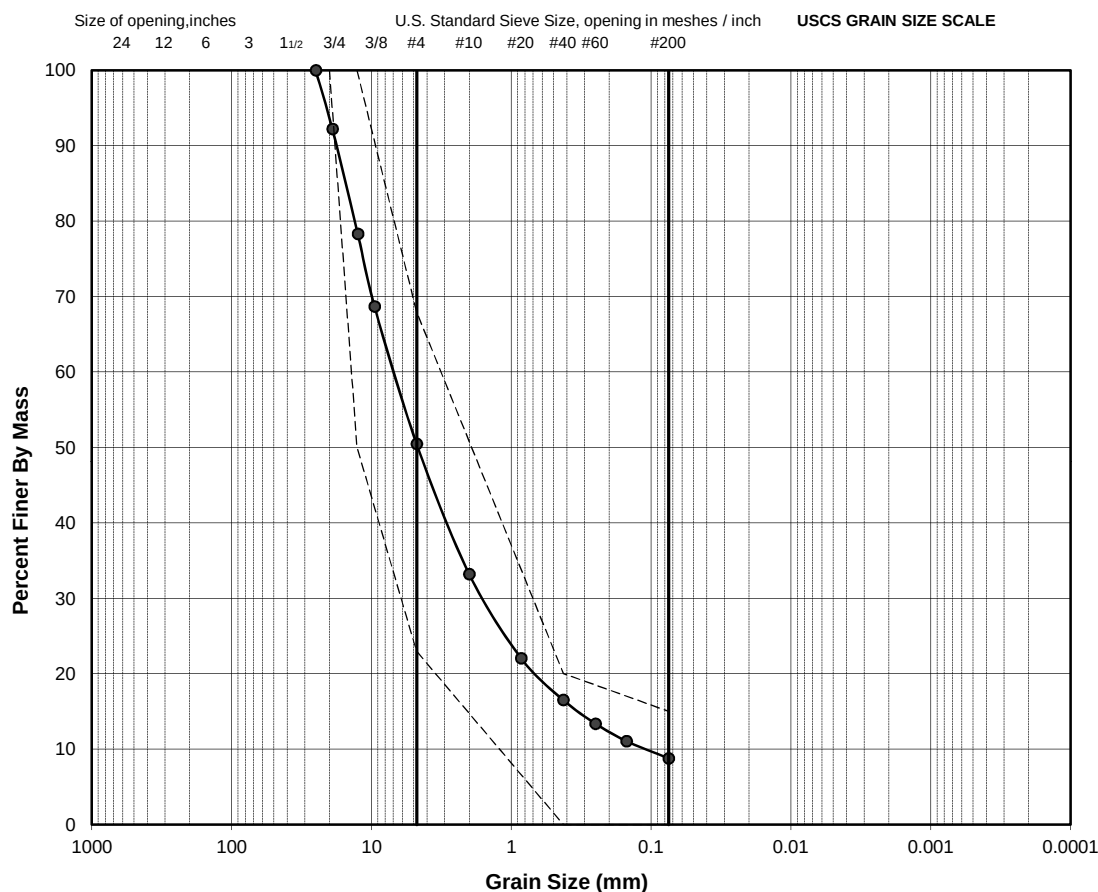
Date Sampled: October 10, 2009

Material Specification: Fine filter

Method: COMBINED, WASHED

Date Tested: October 31, 2009

Sieve Size (USS)	(mm)	Passing %
3.5"	87.5	100.0
3"	75.0	100.0
2"	50.0	100.0
1.5"	37.5	100.0
1"	25.0	100.0
3/4"	19.0	92.2
1/2"	12.5	78.3
3/8"	9.5	68.7
#4	4.8	50.5
#10	2.0	33.2
#20	0.9	22.1
#40	0.4	16.5
#60	0.3	13.4
#100	0.2	11.1
#200	0.1	8.8



* The test data given herein pertain to the sample provided only. This report constitutes a testing service only. Interpretation of the data can be provided upon request.

Damian Edwards

October 31, 2009

Glen Rutherford

November 9, 2009

TESTED BY

DATE

CHECKED BY

DATE