







P4
87

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PROJECT NAME: Mary River Project
PROJECT NUMBER: CT-000071 DATE: _____
OWNER: Baffinland Iron Mine Corporation
LOCATION: Sediment Pond One

SCOPE OF INSTALLATION(S): THE WORK

Installed Geo-textile underlay (two layers) 9336m²
Installed Geo-Membrane /welded and test 100% complete 4168m²
Bagged down East side for ankerage and installed textile for
back fill as per drawing.

Part 1 – LAYFIELD ENVIRONMENTAL SYSTEMS LTD.

I, Thomas Wheeler, 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: Thomas Wheeler
Title: QC Technician
Date: 8/4/14 Signature: [Signature]

Part 2 – OWNER (or Representative)

I, Tim Thertell, a duly appointed representative of Hatch
for Baffinland, 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: Tim Thertell
Title: Engineering
Company: Hatch
Date: Aug 12/14 Signature: [Signature]

Comments: _____

HATCH VENDOR DATA REVIEW			
Doc Number	E349000-CC004-02-198-0001-008	Sub	01
Date Received			
Review Grade		Next Submittal Status	
☐ C1 - Proceed to next submission & status ☐ C2 - Proceed with exceptions as noted to next submission & status ☐ C3 - Do not proceed, revise as noted & resubmit		☐ Internal Review ☐ Certified Final ☐ Final ☐ As-Built	
☐ No further submission required - Complete ☐ C4 - No further submission required - Cancelled ☐ No further submission required - Superseded		Next Submittal Date:	
Package Coordinator: Name, signature and Date:			
REVIEWED ONLY FOR GENERAL CONFORMITY WITH THE SPECIFICATIONS. ACCEPTANCE BY THE ENGINEER DOES NOT WARRANT OR REPRESENT THAT THE INFORMATION CONTAINED ON THIS DRAWING/DOCUMENT IS EITHER ACCURATE OR COMPLETE. THE SOLE RESPONSIBILITY FOR CORRECT DESIGN, DETAILS & DIMENSIONS SHALL REMAIN WITH THE PARTY SUBMITTING THE DRAWING/DOCUMENT.			



CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Mary River Project "Milne Inlet Sedimentation stock Pile"
 PROJECT NUMBER: CI 000071
 OWNER: Baffinland Iron Mine
 LOCATION: 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: 7942 m² is Acceptable to install Geomembrane.
"Containment System." out side Slopes is Job For anchorage point.

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: 08 Aug 2014
 Signature: Espindola Hernandez Yonatan
 Name: Yonatan Espindola
 Title: Supervisor.

OWNERS REPRESENTATIVE:

Date: Aug 12/14
 Signature: [Signature]
 Name: Tim Thertell
 Title: _____
 Company: Hatch



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary River Project "Sedimentation stock pile "

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

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

REMARKS: Installation of One layer of LP7 underlay and EL6060

DATE: 11-Aug-14

SHEET NUMBER: 1

DEPLOYMENT EQUIPMENT:

	PANEL LOCATION REFERENCE NUMBER 1	PANEL LOCATION REFERENCE NUMBER 2	PANEL LOCATION REFERENCE NUMBER 3
PANEL/ROLL NUMBER	21	21	21
DEPLOYMENT LENGTH	47m	49m	14.32 m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 23 S= 4 E= 2 W= 10	N= 22 S= 4 E= 3,4,5,6,7,8,9 W= 1	N= 4 S= 4 E= 2 W= 2

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 4	PANEL LOCATION REFERENCE NUMBER 5	PANEL LOCATION REFERENCE NUMBER 6
PANEL/ROLL NUMBER	21	21	4
DEPLOYMENT LENGTH	15.24m	16.15m	16.15m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 5 S= 3 E= 2 W= 2	N= 6 S= 4 E= 2 W= 2	N= 7 S= 5 E= 2 W= 2

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 7	PANEL LOCATION REFERENCE NUMBER 8	PANEL LOCATION REFERENCE NUMBER 9
PANEL/ROLL NUMBER	4	4	4
DEPLOYMENT LENGTH	16.45m	16.76	16.15m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 8 S= 6 E= 2 W= 2	N= 9 S= 7 E= 2 W= 2	N= 20 S= 8 E= 2 W= 2,22

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= 6 E= W= 2	N= S= 7 E= W= 2	N= S= 8 E= W= 2,22

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary River Project "Sedimentation stock pile "

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

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

REMARKS: Installation of One layer of LP7 underlay and EL6060

DATE: 12-Aug-14

SHEET NUMBER: 2

DEPLOYMENT EQUIPMENT:

	PANEL LOCATION REFERENCE NUMBER 10	PANEL LOCATION REFERENCE NUMBER 11	PANEL LOCATION REFERENCE NUMBER 12
PANEL/ROLL NUMBER	4	4	11
DEPLOYMENT LENGTH	50.59m	40.99m	10.51m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 24,25 S= 1 E= 1 W= 11	N= 12 S= 13 E= 10 W= 13	N= 11 S= 25,26 E= 10 W= 13

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 13	PANEL LOCATION REFERENCE NUMBER 14	PANEL LOCATION REFERENCE NUMBER 15
PANEL/ROLL NUMBER	11	11	21
DEPLOYMENT LENGTH	52.6m	53.3m	8.9m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 26,27 S= 14 E= 12 W= 14	N= 27,28 S= 15,16 E= 13 W= 15,16	N= 28,29 S= 17 E= 14 W= 17

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 16	PANEL LOCATION REFERENCE NUMBER 17	PANEL LOCATION REFERENCE NUMBER 18
PANEL/ROLL NUMBER	11	28	28
DEPLOYMENT LENGTH	44.37m	53.70m	14.8m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 15 S= 17 E= 14 W= 17	N= 29,30 S= 31,32 E= 15,16 W= 18,19	N= 19 S= 34 E= 17 W= 35

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 19	PANEL LOCATION REFERENCE NUMBER 20	PANEL LOCATION REFERENCE NUMBER 21
PANEL/ROLL NUMBER	28	28	28
DEPLOYMENT LENGTH	24.6m	13.71m	8.8m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 30,40 S= 18 E= 17 W= 37	N= 21 S= 9 E= W= 22	N= S= 20 E= W= 22

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary River Project "Sedimentation stock pile "

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

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

REMARKS: Installation of One layer of LP7 underlay and EL6060

DATE: 12-Aug-14

SHEET NUMBER: 3

DEPLOYMENT EQUIPMENT:

	PANEL LOCATION REFERENCE NUMBER 22	PANEL LOCATION REFERENCE NUMBER 23	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	28	28	
DEPLOYMENT LENGTH	21m	21m	
AMBIENT AIR TEMP.	4	4	
VISUAL OBSERVATION	Good	Good	
OBSERVED OVERLAP	5"	5"	
CHECKED BY	Y.E	Y.E	
ADJACENT PANEL	N= S= 2 E= 9,20,21 W= 23	N= S= 1 E= 22 W= 24	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=

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: 15-Aug-14



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary River Project "Sedimentation stock pile "

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

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

REMARKS: Installation of One layer of LP7 underlay and EL6060

DATE: 13-Aug-14

SHEET NUMBER: 4

DEPLOYMENT EQUIPMENT:

	PANEL LOCATION REFERENCE NUMBER 24	PANEL LOCATION REFERENCE NUMBER 25	PANEL LOCATION REFERENCE NUMBER 26
PANEL/ROLL NUMBER	29	29	29
DEPLOYMENT LENGTH	16m	16m	16m
AMBIENT AIR TEMP.	3	3	3
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= 10 E= 23 W= 25	N= S= 12,10 E= 24 W= 26	N= S= 13,12 E= 25 W= 27

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 27	PANEL LOCATION REFERENCE NUMBER 28	PANEL LOCATION REFERENCE NUMBER 29
PANEL/ROLL NUMBER	29	29	29
DEPLOYMENT LENGTH	16m	16m	16m
AMBIENT AIR TEMP.	3	3	3
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= 13,14 E= 26 W= 28	N= S= 15,14 E= 27 W= 29	N= S= 15,17 E= 28 W= 30

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 30	PANEL LOCATION REFERENCE NUMBER 31	PANEL LOCATION REFERENCE NUMBER 32
PANEL/ROLL NUMBER	29	5	5
DEPLOYMENT LENGTH	16m	24.5m	6.9m
AMBIENT AIR TEMP.	3	3	3
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= 19,17 E= 29 W= 40	N= 32,33 S= 48 E= 17 W= 48	N= 34 S= 31 E= 17 W= 33

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 33	PANEL LOCATION REFERENCE NUMBER 34	PANEL LOCATION REFERENCE NUMBER 35
PANEL/ROLL NUMBER	5	5	5
DEPLOYMENT LENGTH	7.9m	14.8m	4.5m
AMBIENT AIR TEMP.	3	3	3
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 34 S= 31 E= 32 W= 48	N= 35,36 S= 32,33 E= 17,18 W= 48	N= 37 S= 34 E= 18 W= 36

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary River Project "Sedimentation stock pile "

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinlad Iron Mines

LOCATION: Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

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

REMARKS: Installation of One layer of LP7 underlay and EL6060

DATE: 13-Aug-14

SHEET NUMBER: 5

DEPLOYMENT EQUIPMENT:

	PANEL LOCATION REFERENCE NUMBER 36	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	5		
DEPLOYMENT LENGTH	4.10m		
AMBIENT AIR TEMP.	4		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= 37 S= 34 E= 35 W= 48	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=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 7	PANEL LOCATION REFERENCE NUMBER 8	PANEL LOCATION REFERENCE NUMBER 9
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: 15-Aug-14



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary River Project "Sedimentation stock pile "

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

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

REMARKS: Installation of One layer of LP7 underlay and EL6060

DATE: 14-Aug-14

SHEET NUMBER: 6

DEPLOYMENT EQUIPMENT:

	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 37</td></tr><tr><td>PANEL/ROLL NUMBER 29</td></tr><tr><td>DEPLOYMENT LENGTH 26.3m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 40,41 S= 35,36,48</td></tr><tr><td>E= 19 W= 38,39</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 37	PANEL/ROLL NUMBER 29	DEPLOYMENT LENGTH 26.3m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 40,41 S= 35,36,48	E= 19 W= 38,39	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 38</td></tr><tr><td>PANEL/ROLL NUMBER 29</td></tr><tr><td>DEPLOYMENT LENGTH 14.6m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 48,49 S= 39</td></tr><tr><td>E= 37 W= 56,47</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 38	PANEL/ROLL NUMBER 29	DEPLOYMENT LENGTH 14.6m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 48,49 S= 39	E= 37 W= 56,47	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 39</td></tr><tr><td>PANEL/ROLL NUMBER 29</td></tr><tr><td>DEPLOYMENT LENGTH 10.7m X 2.8m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 44 S= 38</td></tr><tr><td>E= 37 W= 56,47,46</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 39	PANEL/ROLL NUMBER 29	DEPLOYMENT LENGTH 10.7m X 2.8m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 44 S= 38	E= 37 W= 56,47,46
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DESCRIPTION	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 40</td></tr><tr><td>PANEL/ROLL NUMBER 5</td></tr><tr><td>DEPLOYMENT LENGTH 15.3m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= S= 19,37</td></tr><tr><td>E= 30 W= 41</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 40	PANEL/ROLL NUMBER 5	DEPLOYMENT LENGTH 15.3m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= S= 19,37	E= 30 W= 41	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 41</td></tr><tr><td>PANEL/ROLL NUMBER 5</td></tr><tr><td>DEPLOYMENT LENGTH 15.5m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= S= 44,43</td></tr><tr><td>E= 40 W= 42</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 41	PANEL/ROLL NUMBER 5	DEPLOYMENT LENGTH 15.5m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= S= 44,43	E= 40 W= 42	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 42</td></tr><tr><td>PANEL/ROLL NUMBER 5</td></tr><tr><td>DEPLOYMENT LENGTH 9.9m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 43 S=</td></tr><tr><td>E= 41 W= 43</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 42	PANEL/ROLL NUMBER 5	DEPLOYMENT LENGTH 9.9m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 43 S=	E= 41 W= 43
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ADJACENT PANEL																																				
N= 43 S=																																				
E= 41 W= 43																																				
DESCRIPTION	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 43</td></tr><tr><td>PANEL/ROLL NUMBER 26</td></tr><tr><td>DEPLOYMENT LENGTH 8.32m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 42 S= 44</td></tr><tr><td>E= 41 W=</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 43	PANEL/ROLL NUMBER 26	DEPLOYMENT LENGTH 8.32m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 42 S= 44	E= 41 W=	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 44</td></tr><tr><td>PANEL/ROLL NUMBER 26</td></tr><tr><td>DEPLOYMENT LENGTH 15.5m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 43 S= 45</td></tr><tr><td>E= 41 W=</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 44	PANEL/ROLL NUMBER 26	DEPLOYMENT LENGTH 15.5m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 43 S= 45	E= 41 W=	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 45</td></tr><tr><td>PANEL/ROLL NUMBER 26</td></tr><tr><td>DEPLOYMENT LENGTH 16.3m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 44 S= 46</td></tr><tr><td>E= 39 W=</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 45	PANEL/ROLL NUMBER 26	DEPLOYMENT LENGTH 16.3m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 44 S= 46	E= 39 W=
PANEL LOCATION REFERENCE																																				
NUMBER 43																																				
PANEL/ROLL NUMBER 26																																				
DEPLOYMENT LENGTH 8.32m																																				
AMBIENT AIR TEMP. 3																																				
VISUAL OBSERVATION Good																																				
OBSERVED OVERLAP 5"																																				
CHECKED BY Y.E																																				
ADJACENT PANEL																																				
N= 42 S= 44																																				
E= 41 W=																																				
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OBSERVED OVERLAP 5"																																				
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OBSERVED OVERLAP 5"																																				
CHECKED BY Y.E																																				
ADJACENT PANEL																																				
N= 44 S= 46																																				
E= 39 W=																																				
DESCRIPTION	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 46</td></tr><tr><td>PANEL/ROLL NUMBER 26</td></tr><tr><td>DEPLOYMENT LENGTH 16.3m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 45 S= 47</td></tr><tr><td>E= 39,38 W=</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 46	PANEL/ROLL NUMBER 26	DEPLOYMENT LENGTH 16.3m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 45 S= 47	E= 39,38 W=	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 47</td></tr><tr><td>PANEL/ROLL NUMBER 26</td></tr><tr><td>DEPLOYMENT LENGTH 18.3m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 46 S= 56</td></tr><tr><td>E= 38 W=</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 47	PANEL/ROLL NUMBER 26	DEPLOYMENT LENGTH 18.3m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 46 S= 56	E= 38 W=	<table><tr><td>PANEL LOCATION REFERENCE</td></tr><tr><td>NUMBER 48</td></tr><tr><td>PANEL/ROLL NUMBER 26</td></tr><tr><td>DEPLOYMENT LENGTH 27.5m</td></tr><tr><td>AMBIENT AIR TEMP. 3</td></tr><tr><td>VISUAL OBSERVATION Good</td></tr><tr><td>OBSERVED OVERLAP 5"</td></tr><tr><td>CHECKED BY Y.E</td></tr><tr><td>ADJACENT PANEL</td></tr><tr><td>N= 37,38 S=</td></tr><tr><td>E= 31,33,34,36 W= 49</td></tr></table>	PANEL LOCATION REFERENCE	NUMBER 48	PANEL/ROLL NUMBER 26	DEPLOYMENT LENGTH 27.5m	AMBIENT AIR TEMP. 3	VISUAL OBSERVATION Good	OBSERVED OVERLAP 5"	CHECKED BY Y.E	ADJACENT PANEL	N= 37,38 S=	E= 31,33,34,36 W= 49
PANEL LOCATION REFERENCE																																				
NUMBER 46																																				
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ADJACENT PANEL																																				
N= 37,38 S=																																				
E= 31,33,34,36 W= 49																																				

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE DEPLOYMENT LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary River Project "Sedimentation stock pile "

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

GEOMEMBRANE SECONDARY PRIMARY CLOSURE OTHER

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

REMARKS: Installation of One layer of LP7 underlay and EL6060

DATE: 14-Aug-14

SHEET NUMBER: 7

DEPLOYMENT EQUIPMENT:

	PANEL LOCATION REFERENCE NUMBER 49	PANEL LOCATION REFERENCE NUMBER 50	PANEL LOCATION REFERENCE NUMBER 51
PANEL/ROLL NUMBER	26	26	23
DEPLOYMENT LENGTH	27.7m	27.7m	19.9m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= 38 S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 52	PANEL LOCATION REFERENCE NUMBER 53	PANEL LOCATION REFERENCE NUMBER 54
PANEL/ROLL NUMBER	23	23	23
DEPLOYMENT LENGTH	12.2m X 6.8m	8.2m	14m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 55	PANEL LOCATION REFERENCE NUMBER 56	PANEL LOCATION REFERENCE NUMBER 57
PANEL/ROLL NUMBER	23	23	23
DEPLOYMENT LENGTH	10.2m	21.6m	9.6m
AMBIENT AIR TEMP.	4	4	4
VISUAL OBSERVATION	Good	Good	Good
OBSERVED OVERLAP	5"	5"	5"
CHECKED BY	Y.E	Y.E	Y.E
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

DESCRIPTION	PANEL LOCATION REFERENCE NUMBER 58	PANEL LOCATION REFERENCE NUMBER	PANEL LOCATION REFERENCE NUMBER
PANEL/ROLL NUMBER	23		
DEPLOYMENT LENGTH	7.4m		
AMBIENT AIR TEMP.	4		
VISUAL OBSERVATION	Good		
OBSERVED OVERLAP	5"		
CHECKED BY	Y.E		
ADJACENT PANEL	N= S= E= W=	N= S= E= W=	N= S= E= W=

SUBMITTED BY: Y.E

DATE:



GEOMEMBRANE TRIAL SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile "
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 1

X **TF - # FUSION**

X **TX - # = EXTRUSION**

TS - # = SOLVENT

SAMPLE NUMBER	APPROX. TIME & DATE	WELDING MACHINE NUMBER	WELD TECH.	TEMPERATURES				TEST RESULTS												PASS OR RE - TEST	CH'KD BY	REMARKS
				AMBIENT AIR TEMP.	PREHEAT OR MACHINE SPEED	EXTRUDER	WEDGE TEMP. Deg F	INSIDE PEEL MODE				OUTSIDE PEEL MODE				SHEAR MODE						
								STRENGTH				STRENGTH				STRENGTH						
TF1	11-Aug-14 12:40	3370	JB	4	50%	N/A	850F	100		105		105		105		108		123		P	Y.E	
TX1	11-Aug-14 15:30	PX 6234	MB	4	495F	490F	N/A	118		123		125						132		P	Y.E	
									130		111							133				
TF2	12-Aug-14 7:30	PW 3370	JB	4	50%	N/A	850F	121		116		123		124		114		142		P	Y.E	
TF3	12-Aug-14 7:35	PW 3369	MB	4	50%	N/A	850F	120		105		114		116		123		142		P	Y.E	
									110		118		129		123		114		142			
TX2	12-Aug-14 13:00	PX 6234	MB	4	495F	490F	N/A	104		122		122						133		P	Y.E	
TF4	13-Aug-14 6:50	PW 3370	JB	3	50%	N/A	850F	111		106		110		116		108		135				
TX3	13-Aug-14 11:50	PX 6234	MB	3	495F	490F	N/A	123		119		128						129		P	Y.E	
									127		116							132				
TF5	14-Aug-14 7:00	PW 3370	JB	3		N/A	850F	113		111		115		113		111		137		P	Y.E	
					50%				110		105		102		104		112		136			
TX4	15-Aug-14 7:00	PX 6234	MB	3	495F	490F	N/A	124		123		127						124		P	Y.E	
									133		116							132				
TX5	16-Aug-14 8:06	PX 6234	MB	5	495F	490F	N/A	128		127		124						131		P	Y.E	
									131		123								141			



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile"
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

PASSING TRIAL SEAMS

 X FUSION
 EXTRUSION
 SOLVENT

NO.	TIME	TECH ID
TF1	12:40	JB

SHEET NUMBER: 1

DATE: 11-Aug-14

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 (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON- DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	INDICATOR WEDGE OR BARREL					TEST DATE	CHECKED BY
1 / 2	NEOS to SEOS	13:31	4	JB	50%	850	850	47.0		Y.E			
3 / 4	WEOS to EEOS	14:00	4	JB	50%	850	850	14.3		Y.E			
4 / 5	WEOS to EEOS	14:10	4	JB	50%	850	850	15.2		Y.E			
5 / 6	WEOS to EEOS	14:25	4	JB	50%	850	850	16.2		Y.E			
6 / 7	WEOS to EEOS	14:38	4	JB	50%	850	850	16.2		Y.E			
7 / 8	WEOS to EEOS	14:48	4	JB	50%	850	850	16.5		Y.E			
8 / 9	WEOS to EEOS	15:00	4	JB	50%	850	850	16.8	DT1	Y.E		17-Aug-14	M.B
2 Tie-in 3,4,5, 6,7,8, 9													
	SEOS to NEOS	18:08	4	JB	50%	850	850	88.4		Y.E			
/													
/													
DAILY TOTAL								230.4					

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

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile"
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

PASSING TRIAL SEAMS

 X FUSION

 EXTRUSION

 SOLVENT

NO.	TIME	TECH ID
TF2	7:30	JB
TF3	7:40	MB

SHEET NUMBER: 2

DATE: 12-Aug-14

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 (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON- DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	INDICATOR WEDGE OR BARREL					TEST DATE	CHECKED BY
1 / 10	NEOS to SEOS	8:30	4	JB	50%	850 F	850 F	49.1	DT2	Y,E		17-Aug-14	M.B
11 / 12	EEOS to WEOS	9:18	4	JB	50%	850 F	850 F	6.8		Y,E			
10 / 11,12	NEOS to SEOS	9:20	4	MB	50%	850 F	850 F	50.9		Y,E			
11,12 / 13	NEOS to SEOS	9:28	4	JB	50%	850 F	850 F	51.9		Y,E			
13 / 14	NEOS to SEOS	8:50	4	MB	50%	850 F	850 F	52.4		Y,E			
15 / 16	WEOS to EEOS	10:35	4	JB	50%	850 F	850 F	6.8		Y,E			
14 / 15,16	NEOS to SEOS	10:38	4	JB	50%	850 F	850 F	53.3	DT3	Y,E		17-Aug-14	M.B
15,16 / 17	NEOS to SEOS	11:40	4	JB	5%	850 F	850 F	53.7		Y,E			
18 / 19	EEOS to WEOS	15:03	4	JB	50%	850 F	850 F	6.8		Y,E			
17 / 18,19	NEOS to SEOS	13:11	4	JB	50%	850 F	850 F	39.3		Y,E			
20 / 9	EEOS to WEOS	13:11	4	JB	50%	850 F	850 F	13.7		Y,E			
20 / 21	EEOS to WEOS	14:28	4	JB	50%	850 F	850 F	8.8		Y,E			
DAILY TOTAL								393.5					

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

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile"
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

PASSING TRIAL SEAMS

 X FUSION
 EXTRUSION
 SOLVENT

NO.	TIME	TECH ID
TF2	7:30	JB
TF3	7:40	MB

SHEET NUMBER: 3

DATE: 12-Aug-14

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 (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON- DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	INDICATOR WEDGE OR BARREL					TEST DATE	CHECKED BY
22 / 23	NEOS to SEOS	14:50	4	JB	50%	850F	850F	21.0		Y.E			
9,20,21 / 22	SEOS to NEOS	15:40	4	JB	50%	850F	850F	14.6	DT4	Y.E		17-Aug-14	M.B
22 / 2	EEOS to WEOS	15:15	4	JB	50%	850F	850F	6.8		Y.E			
/													
/													
/													
/													
/													
/													
/													
/													
DAILY TOTAL								42.4					

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

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile"
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
<u>X</u> FUSION	TF4	6:50	JB
<u> </u> EXTRUSION			
<u> </u> SOLVENT			

SHEET NUMBER: 4

DATE: 13-Aug-14

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 (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON- DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	INDICATOR WEDGE OR BARREL					TEST DATE	CHECKED BY
23 / 24	NEOS to SEOS	10:40	4	JB	50%	850F	850F	16.0		Y.E			
24 / 25	NEOS to SEOS	10:53	4	JB	50%	850F	850F	16.0		Y.E			
25 / 26	NEOS to SEOS	11:03	4	JB	50%	850F	850F	16.0		Y.E			
26 / 27	NEOS to SEOS	11:13	4	JB	50%	850F	850F	16.0		Y.E			
27 / 28	NEOS to SEOS	11:23	4	JB	50%	850F	850F	16.0		Y.E			
28 / 29	NEOS to SEOS	11:30	4	JB	50%	850F	850F	16.0		Y.E			
29 / 30	SEOS to NEOS	11:40	4	JB	50%	850F	850F	16.0	DT5	Y.E		17-Aug-14	M.B
24 to 30 / 1 to 19	EEOS to WEOS	13:00	4	JB	50%	850F	850F	52.5		Y.E			
32 / 33	NEOS to SEOS	14:23	4	JB	50%	850F	850F	6.8		Y.E			
31 / 32,33	EEOS to WEOS	14:30	4	JB	50%	850F	850F	20.1		Y.E			
32,33 / 34	EEOS to WEOS	14:43	4	JB	50%	850F	850F	14.8		Y.E			
35 / 36	NEOS to SEOS	14:53	4	JB	50%	850F	850F	6.8		Y.E			
34 / 35,36	EEOS to WEOS	15:00	4	JB	50%	850F	850F	8.6		Y.E			
17,18 / 31 to 35	NWEOS to SEEOS	17:00	4	JB	50%	850F	850F	28.4		Y.E			
DAILY TOTAL								250.0					

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

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile"
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

PASSING TRIAL SEAMS

	NO.	TIME	TECH ID
<u>X</u> FUSION	TF5	7:00	JB
<u> </u> EXTRUSION			
<u> </u> SOLVENT			

SHEET NUMBER: 5

DATE: 14-Aug-14

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 (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON- DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	INDICATOR WEDGE OR BARREL					TEST DATE	CHECKED BY
19 / 37	NEOS to SEOS	7:37	5	JB	50%	850F	850F	26.6	DT6	Y.E		17-Aug-14	M.B
38 / 39	WEOS to EEOS	7:56	5	JB	50%	850F	850F	2.8		Y.E			
37 / 38,39	NEOS to SEOS	8:00	5	JB	50%	850F	850F	25.2		Y.E			
30 / 40	NEOS to SEOS	8:15	5	JB	50%	850F	850F	15.4		Y.E			
40 / 41	NEOS to SEOS	8:31	5	JB	50%	850F	850F	15.4		Y.E			
41 / 42	NEOS to SEOS	8:40	5	JB	50%	850F	850F	9.9		Y.E			
43 / 44	EEOS to WEOS	9:46	5	JB	50%	850F	850F	8.3		Y.E			
41,42 / 43,44	SWEOS to NEEOS	11:43	5	JB	50%	850F	850F	17.3		Y.E			
44 / 45	EEOS to WEOS	10:00	5	JB	50%	850F	850F	16.0		Y.E			
45 / 46	EEOS to WEOS	10:08	5	JB	50%	850F	850F	16.3		Y.E			
46 / 47	EEOS to WEOS	10:28	5	JB	50%	850F	850F	16.3	DT7	Y.E		17-Aug-14	M.B
DAILY TOTAL								169.5					

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

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile"
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

PASSING TRIAL SEAMS

 X FUSION
 EXTRUSION
 SOLVENT

NO.	TIME	TECH ID
TF5	7:00	JB

SHEET NUMBER: 6

DATE: 14-Aug-14

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 (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON- DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	INDICATOR WEDGE OR BARREL					TEST DATE	CHECKED BY
48 / 31 to 36	NEOS to SEOS	11:25	5	JB	50%	850F	850F	26.8		Y.E	TIE-IN		
48 / 49	NEOS to SEOS	11:10	5	JB	50%	850F	850F	27.5		Y.E			
49 / 50	NEOS to SEOS	13:05	5	JB	50%	850F	850F	27.2		Y.E			
50 / 51	NEOS to SEOS	13:34	5	JB	50%	850F	850F	19.9		Y.E			
51 / 52	NEOS to SEOS	13:45	5	JB	50%	850F	850F	12.2		Y.E			
53 / 54	EEOS to WEOS	14:09	5	JB	50%	850F	850F	8.2		Y.E			
54 / 55	WEOS to EEOS	14:56	5	JB	50%	850F	850F	10.2		Y.E			
55 / 56	WEOS to EEOS	15:32	5	JB	50%	850F	850F	10.2	DT8	Y.E		17-Aug-14	M.B
56 / 47	WEOS to EEOS	16:45	5	JB	50%	850F	850F	19.0		Y.E			
40 / 37	EEOS to WEOS	16:03	5	JB	50%	850F	850F	6.8		Y.E			
38,39 / 44 to 56	NEOS to SEOS	16:09	5	JB	50%	850F	850F	22.8		Y.E	TIE-IN		
DAILY TOTAL								190.8					

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

SUBMITTED BY: Y.E

DATE: 15-Aug-14



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: CT-000071 **PROJECT TITLE:** Mary River Project "Sedimentation Stock Pile"
OWNER: Baffinland Iron Mine Corporation **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

PASSING TRIAL SEAMS

 X FUSION
 EXTRUSION
 SOLVENT

NO.	TIME	TECH ID
TF5	7:00	JB

SHEET NUMBER: 7

DATE: 14-Aug-14

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 (M)	DESTR. NUMBER	CHK'D BY	REMARKS	NON- DESTRUCTIVE	
						DIGITAL SET WEDGE OR BARREL	INDICATOR WEDGE OR BARREL					TEST DATE	CHECKED BY
51,52,53 / 53,54,55	NEEOS to SWEOS	16:46	5	JB	50%	850F	850F	29.8		Y.E	Tie-in sW		
37,38 / 48,49	WEOS to EEOS	16:30	5	JB	50%	850F	850F	12.4		Y.E			
57 / 58	NEOS to SEOS	15:47	5	JB	50%	850F	850F	7.4		Y.E			
57,58 / 56	WEOS to EEOS	17:20	5	JB	50%	850F	850F	10.1		Y.E			
57,58 / 55	EEOS to WEOS	17:08	5	JB	50%	850F	850F	12.1		Y.E			
/													
/													
/													
/													
/													
/													
DAILY TOTAL								71.8					

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

SUBMITTED BY: Y.E

DATE: 15-Aug-14

LAYFIELD GEOMEMBRANE VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: CT000071
PROJECT TITLE: Mary River Project-Milne Inlet "Sedimentation Stock I
OWNER: Baffinland Iron Mines
CONTRACTOR: Baffinland Iron Mines
LOCATION: Nunavut

VACUUM BOX X
AIR LANCE _____
 SHEET NUMBER: 1

SEAMS								REPAIRS						
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **	
/	-							1 A	15-Aug-04	J.B		Y.E		
/	-							1 B	15-Aug-04	J.B		Y.E		
/	-							1 C	15-Aug-04	J.B		Y.E		
/	-							1 D	15-Aug-04	J.B		Y.E		
/	-							1 E	15-Aug-04	J.B		Y.E		
/	-							1 F	15-Aug-04	J.B		Y.E		
/	-							1 G	15-Aug-04	J.B		Y.E		
/	-							1 H	15-Aug-04	J.B		Y.E		
/	-							1 I	15-Aug-04	J.B		Y.E		
/	-							1 J	15-Aug-04	J.B		Y.E		
/	-							1 K	15-Aug-04	J.B		Y.E		
/	-							1 L	15-Aug-04	J.B		Y.E		
/	-							1 M	15-Aug-04	J.B		Y.E		
/	-							1 N	15-Aug-04	J.B		Y.E		
/	-							1 O	15-Aug-04	J.B		Y.E		
/	-							1 P	15-Aug-04	J.B		Y.E		
/	-							1 Q	15-Aug-04	J.B		Y.E		
/	-							1 R	15-Aug-04	J.B		Y.E		
/	-							1 S	15-Aug-04	J.B		Y.E		
/	-							1 T	15-Aug-04	J.B		Y.E		

* 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 VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project-Milne Inlet "Sedimentation Stock I
OWNER: Baffinland Iron Mines **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

VACUUM BOX X **AIR LANCE** **SHEET NUMBER:** 2

SEAMS								REPAIRS						
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **	
/	-							2 A	15-Aug-14	J.B		Y.E		
/	-							2 B	15-Aug-14	J.B		Y.E		
/	-							2 C	15-Aug-14	J.B		Y.E		
/	-							2 D	15-Aug-14	J.B		Y.E		
/	-							2 E	15-Aug-14	J.B		Y.E		
/	-							2 F	15-Aug-14	J.B		Y.E		
/	-							2 G	15-Aug-14	J.B		Y.E		
/	-							2 H	15-Aug-14	J.B		Y.E		
/	-							2 I	15-Aug-14	J.B		Y.E		
/	-							2 J	15-Aug-14	J.B		Y.E		
/	-							2 K	15-Aug-14	J.B		Y.E		
/	-							2 L	15-Aug-14	J.B		Y.E		
/	-							2 M	15-Aug-14	J.B		Y.E		
/	-							2 N	15-Aug-14	J.B		Y.E		
/	-							2 O	15-Aug-14	J.B		Y.E		
/	-							2 P	15-Aug-14	J.B		Y.E		
/	-							2 Q	15-Aug-14	J.B		Y.E		
/	-							2 R	15-Aug-14	J.B		Y.E		
/	-							2 S	15-Aug-14	J.B		Y.E		
/	-							2 T	15-Aug-14	J.B		Y.E		

* 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 VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project-Milne Inlet "Sedimentation Stock I
OWNER: Baffinland Iron Mines **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

VACUUM BOX X **AIR LANCE** **SHEET NUMBER:** 3

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
/	-							3A	15-Aug-14	J.B		Y.E	
/	-							3B	15-Aug-14	J.B		Y.E	
/	-							3C	15-Aug-14	J.B		Y.E	
/	-							3D	15-Aug-14	J.B		Y.E	
/	-							3E	15-Aug-14	J.B		Y.E	
/	-							3F	16-Aug-14	J.B		Y.E	
/	-							3G	16-Aug-14	J.B		Y.E	
/	-							3H	16-Aug-14	J.B		Y.E	
/	-							3I	16-Aug-14	J.B		Y.E	
/	-							3J	16-Aug-14	J.B		Y.E	
/	-							3K	16-Aug-14	J.B		Y.E	
/	-							3L	16-Aug-14	J.B		Y.E	
/	-							3M	16-Aug-14	J.B		Y.E	
/	-							3N	16-Aug-14	J.B		Y.E	
/	-							3O	16-Aug-14	J.B		Y.E	
/	-							3P	16-Aug-14	J.B		Y.E	
/	-							3Q	16-Aug-14	J.B		Y.E	
/	-							3R	16-Aug-14	J.B		Y.E	
/	-							3S	16-Aug-14	J.B		Y.E	
/	-							3T	16-Aug-14	J.B		Y.E	

* 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 VACUUM / AIR LANCE TEST LOG

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project-Milne Inlet "Sedimentation Stock I
OWNER: Baffinland Iron Mines **CONTRACTOR:** Baffinland Iron Mines
LOCATION: Nunavut

VACUUM BOX X **AIR LANCE** **SHEET NUMBER:** 4

SEAMS								REPAIRS					
SEAM NUMBER	SEAM SECTION * FROM TO	TEST DATE	TECH ID	DEFECTS **	COMPLETE NO YES	CHK'D BY	REMARKS **	DEFECT CODE	TEST DATE	TECH ID	DEFECTS **	CHK'D BY	REMARKS **
/	-							4 A	16-Aug-14	J.B		Y.E	
/	-							4 B	16-Aug-14	J.B		Y.E	
/	-							4 C	16-Aug-14	J.B		Y.E	
/	-							4 D	16-Aug-14	J.B		Y.E	
/	-							4 E	16-Aug-14	J.B		Y.E	
/	-							4 F	16-Aug-14	J.B		Y.E	
/	-							4 G					
/	-							4 H					
/	-							4 I					
/	-							4 J					
/	-							4 K					
/	-							4 L					
/	-							4 M					
/	-							4 N					
/	-							4 O					
/	-							4 P					
/	-							4 Q					
/	-							4 R					
/	-							4 S					
/	-							4 T					

* 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 SEAM PRESSURE TEST LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary river Project "Sedimentation Stock Pile"

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

DATE: 13-Aug-14

SHEET NUMBER: 1

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE PSI		TIME		RESULTS		SEAM COMPLETE NO YES	CH'KD BY	REMARKS **
			Start	Finish	START	FINISH	PASS	FAIL			
3 / 4	WEOS - EEOS	JB	40	: 40	9:02	9:07	PASS		YES	Y.E	
3 / 2	NEOS - SEOS	JB	40	: 40	9:02	9:07	PASS		YES	Y.E	
4 / 5	WEOS - EEOS	JB	40	: 40	9:02	9:07	PASS		YES	Y.E	
4 / 2	NEOS - SEOS	JB	40	: 40	9:02	9:07	PASS		YES	Y.E	
5 / 6	WEOS - EEOS	JB	40	: 40	9:02	9:07	PASS		YES	Y.E	
5 / 2	NEOS - SEOS	JB	40	: 40	9:02	9:07	PASS		YES	Y.E	
6 / 7	WEOS - EEOS	JB	40	: 40	8:50	8:55	PASS		YES	Y.E	
6 / 2	NEOS - SEOS	JB	40	: 40	8:50	8:55	PASS		YES	Y.E	
7 / 8	WEOS - EEOS	JB	40	: 40	8:50	8:55	PASS		YES	Y.E	
7 / 2	NEOS - SEOS	JB	40	: 40	8:50	8:55	PASS		YES	Y.E	
8 / 9	WEOS - EEOS	JB	40	: 40	8:50	8:55	PASS		YES	Y.E	
8 / 2	NEOS - SEOS	JB	40	: 40	8:50	8:55	PASS		YES	Y.E	
9 / 20	WEOS - EEOS	JB	40	: 40	8:40	8:45	PASS		YES	Y.E	
9 / 2	NEOS - SEOS	JB	40	: 40	8:40	8:45	PASS		YES	Y.E	
9 / 2	NEOS - SEOS	JB	40	: 40	8:40	8:45	PASS		YES	Y.E	
9 / 22	NEOS - SEOS	JB	40	: 40	8:40	8:45	PASS		YES	Y.E	
20 / 21	WEOS - EEOS	JB	40	: 40	8:40	8:45	PASS		YES	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: 16-Aug-14

SUBMITTED BY: Y.E



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: CT000071
OWNER: Baffinland Iron Mines
LOCATION: Nunavut

PROJECT TITLE: Mary river Project "Sedimentation Stock Pile"
CONTRACTOR: Baffinland Iron Mines

DATE: 13-Aug-14
SHEET NUMBER: 2

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE PSI		TIME		RESULTS		SEAM COMPLETE NO YES	CHKD BY	REMARKS **
			Start	Finish	START	FINISH	PASS	FAIL			
20 / 22	NEOS - SEOS	J.B	40	: 40	8:40	8:45	PASS		YES	Y.E	
21 / 22	SEOS - NEOS	J.B	40	: 40	8:40	8:45	PASS		YES	Y.E	
22 / 2	EEOS - WEOS	J.B	40	: 40	7:20	7:25	PASS		YES	Y.E	
22 / 23	SEOS - NEOS	J.B	40	: 40	9:30	9:35	PASS		YES	Y.E	
1 / 10	NEOS - SEOS	J.B	40	: 40	9:23	9:28	PASS		YES	Y.E	
10 / 12	NEOS - SEOS	J.B	40	: 40	9:25	9:28	PASS		YES	Y.E	
10 / 11	NEOS - SEOS	J.B	40	: 40	9:25	9:28	PASS		YES	Y.E	
11 / 12	EEOS - WEOS	J.B	40	: 40	9:25	9:28	PASS		YES	Y.E	
11 / 13	NEOS - SEOS	J.B	40	: 40	9:25	9:28	PASS		YES	Y.E	
12 / 13	SEOS - NEOS	J.B	40	: 40	9:25	9:28	PASS		YES	Y.E	
13 / 14	NEOS - SEOS	J.B	40	: 40	10:00	10:05	PASS		YES	Y.E	
14 / 15	NEOS - SEOS	J.B	40	: 40	10:12	10:17	PASS		YES	Y.E	
14 / 16	NEOS - SEOS	J.B	40	: 40	10:12	10:17	PASS		YES	Y.E	
15 / 16	EEOS - WEOS	J.B	40	: 40	10:12	10:17	PASS		YES	Y.E	
16 / 17	NEOS - SEOS	J.B	40	: 40	10:12	10:17	PASS		YES	Y.E	
15 / 17	SEOS - NEOS	J.B	40	: 40	10:12	10:17	PASS		YES	Y.E	
17 / 19	NEOS SEOS	J.B	40	: 40	10:12	10:17	PASS		YES	Y.E	
17 / 18	NEOS - SEOS	J.B	40	: 40	10:23	10:28	PASS		YES	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: 17-Aug-14

SUBMITTED BY: Y.E



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary river Project "Sedimentation Stock Pile"

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

DATE: 15-Aug-14

SHEET NUMBER: 3

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE PSI		TIME		RESULTS		SEAM COMPLETE NO YES	CH'KD BY	REMARKS **
			Start	Finish	START	FINISH	PASS	FAIL			
1 / 2	NEOS - SEOS	J.B	40	: 40	7:23	7:28	PASS		YES	Y.E	
1 / 23	EEOS - WEOS	J.B	40	: 40	7:23	7:28	PASS		YES	Y.E	
23 / 24	SEOS - NEOS	J.B	40	: 40	7:23	7:28	PASS		YES	Y.E	
24 / 10	EEOS - WEOS	J.B	40	: 40	7:23	7:28	PASS		YES	Y.E	
24 / 25	SEOS - NEOS	J.B	40	: 40	7:40	7:45	PASS		YES	Y.E	
25 / 10	EEOS - WEOS	J.B	40	: 40	7:40	7:45	PASS		YES	Y.E	
25 / 12	EEOS - WEOS	J.B	40	: 40	7:40	7:45	PASS		YES	Y.E	
25 / 26	SEOS - NEOS	J.B	40	: 40	7:40	7:45	PASS		YES	Y.E	
26 / 12	EEOS - WEOS	J.B	40	: 40	7:51	7:56	PASS		YES	Y.E	
26 / 13	EEOS - WEOS	J.B	40	: 40	7:51	7:56	PASS		YES	Y.E	
26 / 27	SEOS - NEOS	J.B	40	: 40	7:52	7:57	PASS		YES	Y.E	
27 / 13	EEOS - WEOS	J.B	40	: 40	7:52	7:57	PASS		YES	Y.E	
27 / 14	EEOS - WEOS	J.B	40	: 40	7:52	7:57	PASS		YES	Y.E	
27 / 28	SEOS - NEOS	J.B	40	: 40	8:05	8:10	PASS		YES	Y.E	
28 / 14	EEOS - WEOS	J.B	40	: 40	8:05	8:10	PASS		YES	Y.E	
28 / 15	EEOS - WEOS	J.B	40	: 40	8:05	8:10	PASS		YES	Y.E	
28 / 29	SEOS - NEOS	J.B	40	: 40	8:05	8:10	PASS		YES	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: 17-Aug-14

SUBMITTED BY: Y.E



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary river Project "Sedimentation Stock Pile"

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

DATE: 15-Aug-14

SHEET NUMBER: 4

SEAM NUMBER	SEAM SECTION *		TECH. ID	PRESSURE PSI		TIME		RESULTS		SEAM COMPLETE		CH'KD BY	REMARKS **
	FROM	TO		Start	Finish	START	FINISH	PASS	FAIL	NO	YES		
29 / 15	EEOS	- WEOS	J.B	40	: 40	8:05	8:10	PASS			YES	Y.E	
29 / 17	EEOS	- WEOS	J.B	40	: 40	8:05	8:10	PASS			YES	Y.E	
29 / 30	SEOS	- NEOS	J.B	40	: 40	8:18	8:23	PASS			YES	Y.E	
30 / 17	EEOS	- WEOS	J.B	40	: 40	8:18	8:23	PASS			YES	Y.E	
30 / 19	EEOS	- WEOS	J.B	40	: 40	13:42	13:47	PASS			YES	Y.E	
30 / 40	SEOS	- NEOS	J.B	40	: 40	13:42	13:47	PASS			YES	Y.E	
40 / 37	EEOS	- WEOS	J.B	40	: 40	14:42	14:47	PASS			YES	Y.E	
40 / 41	EEOS	- WEOS	J.B	40	: 40	14:42	14:47	PASS			YES	Y.E	
44 / 41	SEEOS	- NWEOS	J.B	40	: 40	14:42	14:47	PASS			YES	Y.E	
41 / 42	SEOS	- NEOS	J.B	40	: 40	14:42	14:47	PASS			YES	Y.E	
44 / 43	EEOS	- WEOS	J.B	40	: 40	14:42	14:47	PASS			YES	Y.E	
42 / 43	SEEOS	- NWEOS	J.B	40	: 40	14:55	15:00	PASS			YES	Y.E	
37 / 39	NEOS	- SEOS	J.B	40	: 40	14:57	15:02	PASS			YES	Y.E	
45 / 39	NEOS	- SEOS	J.B	40	: 40	14:57	15:02	PASS			YES	Y.E	
45 / 44	EEOS	- WEOS	J.B	40	: 40	14:57	15:02	PASS			YES	Y.E	
45 / 46	EEOS	- WEOS	J.B	40	: 40	15:57	16:02	PASS			YES	Y.E	
46 / 39	NEOS	- SEOS	J.B	40	: 40	15:57	16:02	PASS			YES	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: 17-Aug-14

SUBMITTED BY: Y.E



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary river Project "Sedimentation Stock Pile"

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

DATE: 15-Aug-14

SHEET NUMBER: 5

SEAM NUMBER	SEAM SECTION *		TECH. ID	PRESSURE PSI		TIME		RESULTS		SEAM COMPLETE		CH'KD BY	REMARKS **
	FROM	TO		Start	Finish	START	FINISH	PASS	FAIL	NO	YES		
37 / 48	WEOS	- EEOS	J.B	40	: 40	16:15	16:20	PASS			YES	Y.E	
37 / 38	SEOS	- NEOS	J.B	40	: 40	16:15	16:20	PASS			YES	Y.E	
46 / 47	EEOS	- WEOS	J.B	40	: 40	16:02	16:07	PASS			YES	Y.E	
47 / 38	NEOS	- SEOS	J.B	40	: 40	16:02	16:07	PASS			YES	Y.E	
56 / 47	EEOS	- WEOS	J.B	40	: 40	16:05	16:10	PASS			YES	Y.E	
56 / 47	EEOS	- WEOS	J.B	40	: 40	16:05	16:10	PASS			YES	Y.E	
50 / 38	NEOS	- SEOS	J.B	40	: 40	16:05	16:10	PASS			YES	Y.E	
48 / 49	NEOS	- SEOS	J.B	40	: 40	16:05	16:10	PASS			YES	Y.E	
49 / 38	WEOS	- EEOS	J.B	40	: 40	16:05	16:10	PASS			YES	Y.E	
/	-			:									
/	-			:									
/	-			:									
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* 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: 17-Aug-14

SUBMITTED BY: Y.E



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary river Project "Sedimentation Stock Pile"

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

DATE: 16-Aug-14

SHEET NUMBER: 6

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE PSI		TIME		RESULTS		SEAM COMPLETE NO YES	CH'KD BY	REMARKS **
			Start	Finish	START	FINISH	PASS	FAIL			
18 / 35	NWEOS - SEEOS	J.B	40	: 40	8:22	8:27	PASS		YES	Y.E	
34 / 18	NWEOS - SEEOS	J.B	40	: 40	8:22	8:27	PASS		YES	Y.E	
34 / 35	EEOS - WEOS	J.B	40	: 40	8:22	8:27	PASS		YES	Y.E	
34 / 17	SEEOS - NWEOS	J.B	40	: 40	8:16	8:21	PASS		YES	Y.E	
17 / 32	NWEOS - SEEOS	J.B	40	: 40	8:16	8:21	PASS		YES	Y.E	
32 / 34	EEOS - WEOS	J.B	40	: 40	8:16	8:21	PASS		YES	Y.E	
31 / 17	NWEOS - SEEOS	J.B	40	: 40	8:33	8:38	PASS		YES	Y.E	
31 / 32	EEOS - WEOS	J.B	40	: 40	8:33	8:38	PASS		YES	Y.E	
36 / 48	NEOS - SEOS	J.B	40	: 40	8:46	8:51	PASS		YES	Y.E	
34 / 36	WEOS - EEOS	J.B	40	: 40	8:46	8:51	PASS		YES	Y.E	
34 / 48	NEOS - SEOS	J.B	40	: 40	8:46	8:51	PASS		YES	Y.E	
33 / 48	NEOS - SEOS	J.B	40	: 40	8:46	8:51	PASS		YES	Y.E	
33 / 34	WEOS - EEOS	J.B	40	: 40	8:46	8:51	PASS		YES	Y.E	
31 / 48	NEOS - SEOS	J.B	40	: 40	8:55	9:00	PASS		YES	Y.E	
31 / 33	WEOS - EEOS	J.B	40	: 40	8:55	9:00	PASS		YES	Y.E	
49 / 50	NEOS - SEOS	J.B	40	: 40	10:05	10:10	PASS		YES	Y.E	
50 / 55	NEOS - SEOS	J.B	40	: 40	10:05	10:10	PASS		YES	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: 17-Aug-14

SUBMITTED BY: Y.E



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: CT000071

PROJECT TITLE: Mary river Project "Sedimentation Stock Pile"

OWNER: Baffinland Iron Mines

CONTRACTOR: Baffinland Iron Mines

LOCATION: Nunavut

DATE: 16-Aug-14

SHEET NUMBER: 7

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE PSI		TIME		RESULTS		SEAM COMPLETE NO YES	CH'KD BY	REMARKS **
			Start	Finish	START	FINISH	PASS	FAIL			
50 / 51	NEOS - SEOS	J.B	40	: 40	10:05	10:20	PASS		YES	Y.E	
51 / 54	NEEOS - SWEOS	J.B	40	: 40	10:05	10:20	PASS		YES	Y.E	
51 / 52	NEOS - SEOS	J.B	40	: 40	10:15	10:25	PASS		YES	Y.E	
52 / 53	SEEOS - NWEOS	J.B	40	: 40	10:15	10:25	PASS		YES	Y.E	
53 / 54	EEOS - WEOS	J.B	40	: 40	10:15	10:25	PASS		YES	Y.E	
54 / 55	EEOS - WEOS	J.B	40	: 40	10:55	11:00	PASS		YES	Y.E	
55 / 56	EEOS - WEOS	J.B	40	: 40	10:55	11:00	PASS		YES	Y.E	
57 / 55	NEEOS - SWEOS	J.B	40	: 40	11:05	11:10	PASS		YES	Y.E	
58 / 55	NEEOS - SWEOS	J.B	40	: 40	11:05	11:10	PASS		YES	Y.E	
57 / 56	EEOS - WEOS	J.B	40	: 40	10:45	10:50	PASS		YES	Y.E	
58 / 56	EEOS - WEOS	J.B	40	: 40	10:45	10:50	PASS		YES	Y.E	
58 / 57	NEOS - SEOS	J.B	40	: 40	11:35	11:40	PASS		YES	Y.E	
/	-			:							
/	-			:							
/	-			:							
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* 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: 17-Aug-14

SUBMITTED BY: Y.E



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project - Minle Inlet "Sedimentation Stock Pile "
OWNER: Baffinlad Iron Mines **CONTRACTOR:** Baffinlad Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 1

DESTRUCTIVE TEST NUMBER*: DT1 **TEST DATE:** 17-Aug-14
SEAM NUMBER: 8/9 **ARCHIVE** **LAYFIELD** **OWNER** **ENGINEER**
SAMPLE LOCATION: EEOS **3RD PARTY** **YES** **NO** **WHO?**
DATE SEAMED / SAMPLED: 11-Aug-14 - **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	** LOCUS OF BREAK CODE
1	129	SE1	2	111	SE1	122	SE1
3	125	SE1	4	115	SE1	122	SE1
5	123	SE1	6	110	SE1	112	SE1
7	125	SE1	8	110	SE1	120	SE1
9	128	SE1	10	112	SE1	116	SE1
11			12				

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

LPL: PAS\$ PASS

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

3RD PARTY / LAB: PASS FAIL

NOTES:

CHECKED BY: Y.E
DATE: 18-Aug-14



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project - Minle Inlet "Sedimentation Stock Pile "
OWNER: Baffinlad Iron Mines **CONTRACTOR:** Baffinlad Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 2

DESTRUCTIVE TEST NUMBER*: DT2 **TEST DATE:** 17-Aug-14
SEAM NUMBER: 1/10 **ARCHIVE** **LAYFIELD** **OWNER** **ENGINEER**
SAMPLE LOCATION: SEOS **3RD PARTY** **YES** **NO** **WHO?**
DATE SEAMED / SAMPLED: 12-Aug-14 - **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	** LOCUS OF BREAK CODE
1	118	SE1	2	110	SE1	118	SE1
3	118	SE1	4	112	SE1	117	SE1
5	123	SE1	6	111	SE1	119	SE1
7	120	SE1	8	107	SE1	117	SE1
9	119	SE1	10	111	SE1	116	SE1
11			12				

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

LPL: PAS PAS

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

3RD PARTY / LAB: PASS FAIL

NOTES:

CHECKED BY: Y.E
DATE: 18-Aug-14



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project - Minle Inlet "Sedimentation Stock Pile "
OWNER: Baffinlad Iron Mines **CONTRACTOR:** Baffinlad Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 3

DESTRUCTIVE TEST NUMBER*: DT3 **TEST DATE:** 17-Aug-14
SEAM NUMBER: 14,15/16 **ARCHIVE** **LAYFIELD** **OWNER** **ENGINEER**
SAMPLE LOCATION: SEOS **3RD PARTY** **YES** **NO** **WHO?**
DATE SEAMED / SAMPLED: 12-Aug-14 - **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	** LOCUS OF BREAK CODE
1	123	SE1	2	104	SE1	100	SE1
3	121	SE1	4	106	SE1	107	SE1
5	122	SE1	6	102	SE1	106	SE1
7	118	SE1	8	107	SE1	105	SE1
9	120	SE1	10	112	SE1	104	SE1
11			12				

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

LPL: PAS\$ PASS

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

3RD PARTY / LAB: PASS FAIL

NOTES:

CHECKED BY: Y.E
DATE: 18-Aug-14



DESTRUCTIVE TEST NUMBER*:	<u>DT4</u>	TEST DATE:	<u>17-Aug-14</u>
SEAM NUMBER:	<u>9,20,21/22</u>	ARCHIVE	<u>LAYFIELD</u> OWNER <u>ENGINEER</u>
SAMPLE LOCATION:	<u>NEOS</u>	3RD PARTY	<u>YES</u> NO <u>WHO?</u>
DATE SEAMED / SAMPLED:	<u>12-Aug-14</u> -	DATE FORWARDED TO LAB	<u></u>
TYPE OF SEAM:	<u>FUSION</u>	DATE LAB TEST RESULTS REC'D	<u></u>

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	124	SE1	2	110	SE1	114	SE1
3	123	SE1	4	108	SE1	116	SE1
5	119	SE1	6	104	SE1	107	SE1
7	122	SE1	8	108	SE1	109	SE1
9	121	SE1	10	100	SE1	100	SE1
11			12				

LPL: PASS

3RD PARTY / LAB: PASS FAIL

CHECKED BY: Y.E
DATE: 18-Aug-14



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project - Minle Inlet "Sedimentation Stock Pile "
OWNER: Baffinlad Iron Mines **CONTRACTOR:** Baffinlad Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 5

DESTRUCTIVE TEST NUMBER*: DT5 **TEST DATE:** _____
SEAM NUMBER: 29/30 **ARCHIVE** _____ **LAYFIELD** _____ **OWNER** _____ **ENGINEER** _____
SAMPLE LOCATION: NEOS **3RD PARTY** _____ **YES** _____ **NO** _____ **WHO?** _____
DATE SEAMED / SAMPLED: 13-Aug-14 - **DATE FORWARDED TO LAB** _____
TYPE OF SEAM: _____ **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	130	SE1	2	113	SE1	100	SE1
3	127	SE1	4	112	SE1	111	SE1
5	129	SE1	6	109	SE1	108	SE1
7	125	SE1	8	107	SE1	106	SE1
9	130	SE1	10	107	SE1	107	SE1
11			12				

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

LPL: PAS\$ PASS

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

3RD PARTY / LAB: PASS _____ FAIL _____

NOTES: _____

CHECKED BY: Y.E

DATE: 18-Aug-14



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project - Minle Inlet "Sedimentation Stock Pile "
OWNER: Baffinlad Iron Mines **CONTRACTOR:** Baffinlad Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 6

DESTRUCTIVE TEST NUMBER*: DT6 **TEST DATE:** 17-Aug-14
SEAM NUMBER: 19/37 **ARCHIVE** **LAYFIELD** **OWNER** **ENGINEER**
SAMPLE LOCATION: 3.8 m NEOS to SEOS **3RD PARTY** **YES** **NO** **WHO?**
DATE SEAMED / SAMPLED: 14-Aug-14 - **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	** LOCUS OF BREAK CODE
1	119	SE1	2	114	SE1	113	SE1
3	125	SE1	4	119	SE1	119	SE1
5	122	SE1	6	113	SE1	114	SE1
7	127	SE1	8	111	SE1	116	SE1
9	118	SE1	10	112	SE1	113	SE1
11			12				

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

LPL: PAS\$ PASS

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

3RD PARTY / LAB: PASS FAIL

NOTES:

CHECKED BY: Y.E
DATE: 18-Aug-14



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project - Minle Inlet "Sedimentation Stock Pile "
OWNER: Baffinlad Iron Mines **CONTRACTOR:** Baffinlad Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 7

DESTRUCTIVE TEST NUMBER*: DT7 **TEST DATE:** 17-Aug-14
SEAM NUMBER: 46/47 **ARCHIVE** **LAYFIELD** **OWNER** **ENGINEER**
SAMPLE LOCATION: WEOS **3RD PARTY** **YES** **NO** **WHO?**
DATE SEAMED / SAMPLED: 14-Aug-14 **-** **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	** LOCUS OF BREAK CODE
1	124	SE1	2	105	SE1	113	SE1
3	123	SE1	4	109	SE1	109	SE1
5	127	SE1	6	110	SE1	105	SE1
7	127	SE1	8	115	SE1	110	SE1
9	122	SE1	10	104	SE1	116	SE1
11			12				

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

LPL: PAS\$ PASS

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

3RD PARTY / LAB: PASS FAIL

NOTES:

CHECKED BY: Y.E
DATE: 18-Aug-14



GEOMEMBRANE DESTRUCTIVE TEST REPORT

PROJECT NUMBER: CT000071 **PROJECT TITLE:** Mary River Project - Minle Inlet "Sedimentation Stock Pile "
OWNER: Baffinlad Iron Mines **CONTRACTOR:** Baffinlad Iron Mines
LOCATION: Nunavut **SHEET NUMBER:** 8

DESTRUCTIVE TEST NUMBER*: DT8 **TEST DATE:** 17-Aug-14
SEAM NUMBER: 55/56 **ARCHIVE** **LAYFIELD** **OWNER** **ENGINEER**
SAMPLE LOCATION: WEOS **3RD PARTY** **YES** **NO** **WHO?**
DATE SEAMED / SAMPLED: 14-Aug-14 **-** **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	** LOCUS OF BREAK CODE
1	119	SE1	2	111	SE1	106	SE1
3	123	SE1	4	119	SE1	113	SE1
5	125	SE1	6	106	SE1	102	SE1
7	127	SE1	8	112	SE1	108	SE1
9	115	SE1	10	113	SE1	105	SE1
11			12				

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

LPL: PAS\$ PASS

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

3RD PARTY / LAB: PASS FAIL

NOTES:

CHECKED BY: Y.E
DATE: 18-Aug-14



GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: CT-000071 PROJECT TITLE: Mary River Project Milne inlet "Sedimentation Stoke Pile"
OWNER: Baffinland Iron Mine Corporation CONTRACTOR: Bffinland Iron Mines
LOCATION: 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								
1 A	17-Aug-14	3,4 / 2	6.8m From SEOS to NEOS	T	G&W	M.B		11-Aug-14		15-Aug-04	Y.E
1 B	17-Aug-14	4,5 / 2	6.8m North of 1A	T	G&W	M.B		11-Aug-14		15-Aug-04	Y.E
1 C	17-Aug-14	5,6 / 2	6.8m North of 1B	T	G&W	M.B		11-Aug-14		15-Aug-04	Y.E
1 D	17-Aug-14	6,7 / 2	6.8m North of 1C	T	G&W	M.B		11-Aug-14		15-Aug-04	Y.E
1 E	17-Aug-14	8,7 / 2	6.8m North of 1D	T	G&W	M.B		11-Aug-14		15-Aug-04	Y.E
1 F	17-Aug-14	8,9 / 2	6.8m North of 1E	T	G&W	M.B		12-Aug-14		15-Aug-04	Y.E
1 G	17-Aug-14	22,2 / 9	.5m north of 1H	T	G&W	M.B		12-Aug-14		15-Aug-04	Y.E
1 H	17-Aug-14	20,9 / 22	6.8m South of 1F	T	G&W	M.B		12-Aug-14		15-Aug-04	Y.E
1 I	17-Aug-14	21,20 / 22	6.8m South of 1H	BO	PG&W	M.B		12-Aug-14		15-Aug-04	Y.E
1 J	17-Aug-14	1,2 / 22,23	6.8m West of 1G	T	G&W	M.B		12-Aug-14		15-Aug-04	Y.E
1 K	17-Aug-14	1,10 / 23,24	6.8m West of 1J	T	G&W	M.B		15-Aug-14		15-Aug-04	Y.E
1 L	17-Aug-14	24 /	1 m East of 1N	DD	PG&W	M.B		15-Aug-14	3m X 0.76m	15-Aug-04	Y.E
1 M	17-Aug-14	24,25 / 10	6.8m West of 1K	T	G&W	M.B		13-Aug-14		15-Aug-04	Y.E
1 N	17-Aug-14	24 /	1 m West 1S 1.2m North	DD	PG&W	M.B		15-Aug-14		15-Aug-04	Y.E
1 O	17-Aug-14	24 /	1.2 m North of 1N	DD	PG&W	M.B		15-Aug-14		15-Aug-04	Y.E
1 P	17-Aug-14	24 /	1.2 m North of 1O	DD	PG&W	M.B		15-Aug-14		15-Aug-04	Y.E
1 Q	17-Aug-14	24 /	1.2 m North of 1P	DD	PG&W	M.B		15-Aug-14		15-Aug-04	Y.E
1 R	17-Aug-14	24 /	1.2 m North of 1Q	DD	PG&W	M.B		15-Aug-14		15-Aug-04	Y.E
1 S	17-Aug-14	11 /	North end of Panel 12	DD	PG&W	M.B		15-Aug-14	6.8m X 2.1m	15-Aug-04	Y.E
1 T	17-Aug-14	11,12 / 13	11 m South of 1S	T	G&W	M.B		13-Aug-14		15-Aug-04	Y.E

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE

B - UNDISPERSED RESIN BEAD

BO - FUSION WELDER BURN

BS - BOOT/SKIRT FROM FML PENETRATION

CO - CHANGE OF OVERLAP

CR - CREASE

D - INSTALLATION DAMAGE

DS-# - DESTRUCTIVE TEST NUMBER

EE - EARTHWORK EQUIPMENT DAMAGE

EXT - EXTENSION

FM - FISHMOUTH

FS - FAILED SEAM LENGTH

FTS - FIELD TEST STRIP

HT - HEAT TACK BURN

IO - INSUFFICIENT OVERLAP (UNDER SPEC.)

MD - MANUFACTURER/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: _____

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX1	15:30	M.B
TX2	13:00	M.B
TX4	7:00	M.B

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

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

LPL FORM 7

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: TW

DATE: _____



GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: CT-000071 PROJECT TITLE: Mary River Project Milne inlet "Sedimentation Stoke Pile"
OWNER: Baffinland Iron Mine Corporation CONTRACTOR: Bffinland Iron Mines
LOCATION: Nunavut SHEET NUMBER: 2

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								
2 A	17-Aug-14	10 / 11,12	6.8m East of 1T	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 B	17-Aug-14	26,27 / 13	6m West og 1S	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 C	17-Aug-14	13,14 / 27	1m West of 2B	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 D	17-Aug-14	28,27 / 14	6.8m West of 2B	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 E	17-Aug-14	14,15 / 28	1m West of 2D	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 F	17-Aug-14	14 / 15,16	6.8m East of 2G	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 G	17-Aug-14	15,16 / 17	9.3m South of 2I	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 H	17-Aug-14	28,29 / 15	6.8m West of 2D	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 I	17-Aug-14	15,17 / 29	1m West of 2H	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 J	17-Aug-14	17 /	1.9m South of 2K	DD	P G&W	M.B		12-Aug-14		15-Aug-14	Y.E
2 K	17-Aug-14	17 /	1.9m south of 2L	DD	P G&W	M.B		12-Aug-14		15-Aug-14	Y.E
2 L	17-Aug-14	17 /	1.9m South of 2M	DD	P G&W	M.B		12-Aug-14		15-Aug-14	Y.E
2 M	17-Aug-14	17 /	1.7m East of 2O 1.2m South	DD	P G&W	M.B		12-Aug-14		15-Aug-14	Y.E
2 N	17-Aug-14	29,30 / 17	6.8m Weast of 2H	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 O	17-Aug-14	17,19 / 30	1m West of 2N	T	G&W	M.B		13-Aug-14		15-Aug-14	Y.E
2 P	17-Aug-14	30,40 / 19,37	6.8m West of 2N	WS	P G&W	M.B		15-Aug-14		15-Aug-14	Y.E
2 Q	17-Aug-14	19 / 37	3.81m From NEOS to SEOS	DS	P G&W	M.B		15-Aug-14		15-Aug-14	Y.E
2 R	17-Aug-14	40,41,44,45,37	6.8m West of 2P	WR	P G&W	M.B		15-Aug-14	1.6m X 3.2m	15-Aug-14	Y.E
2 S	17-Aug-14	44,41 / 43,42	9.20m NW of 2R	BO	P G&W	M.B		15-Aug-14		15-Aug-14	Y.E
2 T	17-Aug-14	45,46 / 39	6.8m South of 2R	T	G&W	M.B		15-Aug-14		15-Aug-14	Y.E

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE

EE - EARTHWORK EQUIPMENT DAMAGE

PT - PRESSURE TEST CUT

B - UNDISPERSED RESIN BEAD

EXT - EXTENSION

SI - SOIL SURFACE IRREGULARITY

BO - FUSION WELDER BURN

FM - FISHMOUTH

SL - SLAG ON TEXTURED SHEET

BS - BOOT/SKIRT FROM FML PENETRATION

FS - FAILED SEAM LENGTH

T - THREE PANEL INTERSECTION

CO - CHANGE OF OVERLAP

FTS - FIELD TEST STRIP

VL - VACUUM TEST LEAK

CR - CREASE

HT - HEAT TACK BURN

WR - WRINKLE

D - INSTALLATION DAMAGE

IO - INSUFFICIENT OVERLAP (UNDER SPEC.)

WS - WELDER RESTART

DS-# - DESTRUCTIVE TEST NUMBER

MD - MANUFACTURER/DELIVERY DAMAGE

OTHER: _____

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

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX2	13:00	M.B
TX3	11:50	M.B
TX4	7:00	M.B

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

LPL FORM 7

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: TW

DATE: _____



GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: CT-000071 PROJECT TITLE: Mary River Project Milne inlet "Sedimentation Stoke Pile"
OWNER: Baffinland Iron Mine Corporation CONTRACTOR: Bffinland Iron Mines
LOCATION: Nunavut SHEET NUMBER: 3

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								
3 A	17-Aug-14	38,39 / 37	10.7m South of 2R	T	G&W	MB		15-Aug-14		15-Aug-14	Y.E
3 B	17-Aug-14	38,39 / 46	2.8m West of 2A	T	G&W	MB		15-Aug-14		15-Aug-14	Y.E
3 C	17-Aug-14	46,47 / 38	2.6m South 3B	T	G&W	MB		15-Aug-14		15-Aug-14	Y.E
3 D	17-Aug-14	56,47 / 38	6.8m South of 3C	T	G&W	MB		15-Aug-14		15-Aug-14	Y.E
3 E	17-Aug-14	56 / 47	2m West of 3D	BO	P G&W	MB		15-Aug-14		15-Aug-14	Y.E
3 F	17-Aug-14	55,56 / 38,48	0.9 m South of 3D	T	P G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 G	17-Aug-14	48,49 / 37,38	4.5m East of 3F	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 H	17-Aug-14	18,19,37 / 35,36,48	5.5m East of 3G	T	P G&W	MB		15-Aug-14	2.7m X 3.2m	16-Aug-14	Y.E
3 I	17-Aug-14	18,19 / 17	6.8m East of 3H	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 J	17-Aug-14	34,35 / 18	8m SE of 3H	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 K	17-Aug-14	17 / 34,18	6m SE of 3J	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 L	17-Aug-14	32,34 / 17	1m SE of 3K	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 M	17-Aug-14	31,32 / 17	7m SE of 3L	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 N	17-Aug-14	31,17 / 16	7m SE of 3M	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 O	17-Aug-14	35,36 / 34	6.8m South of 3H	T	G&W	MB		13-Aug-14		16-Aug-14	Y.E
3 P	17-Aug-14	32,33 / 34	6.9m West of 3L	T	G&W	MB		13-Aug-14		16-Aug-14	Y.E
3 Q	17-Aug-14	32,33 / 31	6.8m South of 3P	T	G&W	MB		13-Aug-14		16-Aug-14	Y.E
3 R	17-Aug-14	34,36 / 48	7.4m South of 3H	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 S	17-Aug-14	33,34 / 48	7m south of 3R	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E
3 T	17-Aug-14	33,31 / 48	7m south of 3S	T	G&W	MB		15-Aug-14		16-Aug-14	Y.E

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE

EE - EARTHWORK EQUIPMENT DAMAGE

PT - PRESSURE TEST CUT

B - UNDISPERSED RESIN BEAD

EXT - EXTENSION

SI - SOIL SURFACE IRREGULARITY

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DS-# - DESTRUCTIVE TEST NUMBER

MD - MANUFACTURER/DELIVERY DAMAGE

OTHER: _____

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

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.
TX3	11:50	M.B
TX4	7:00	M.B

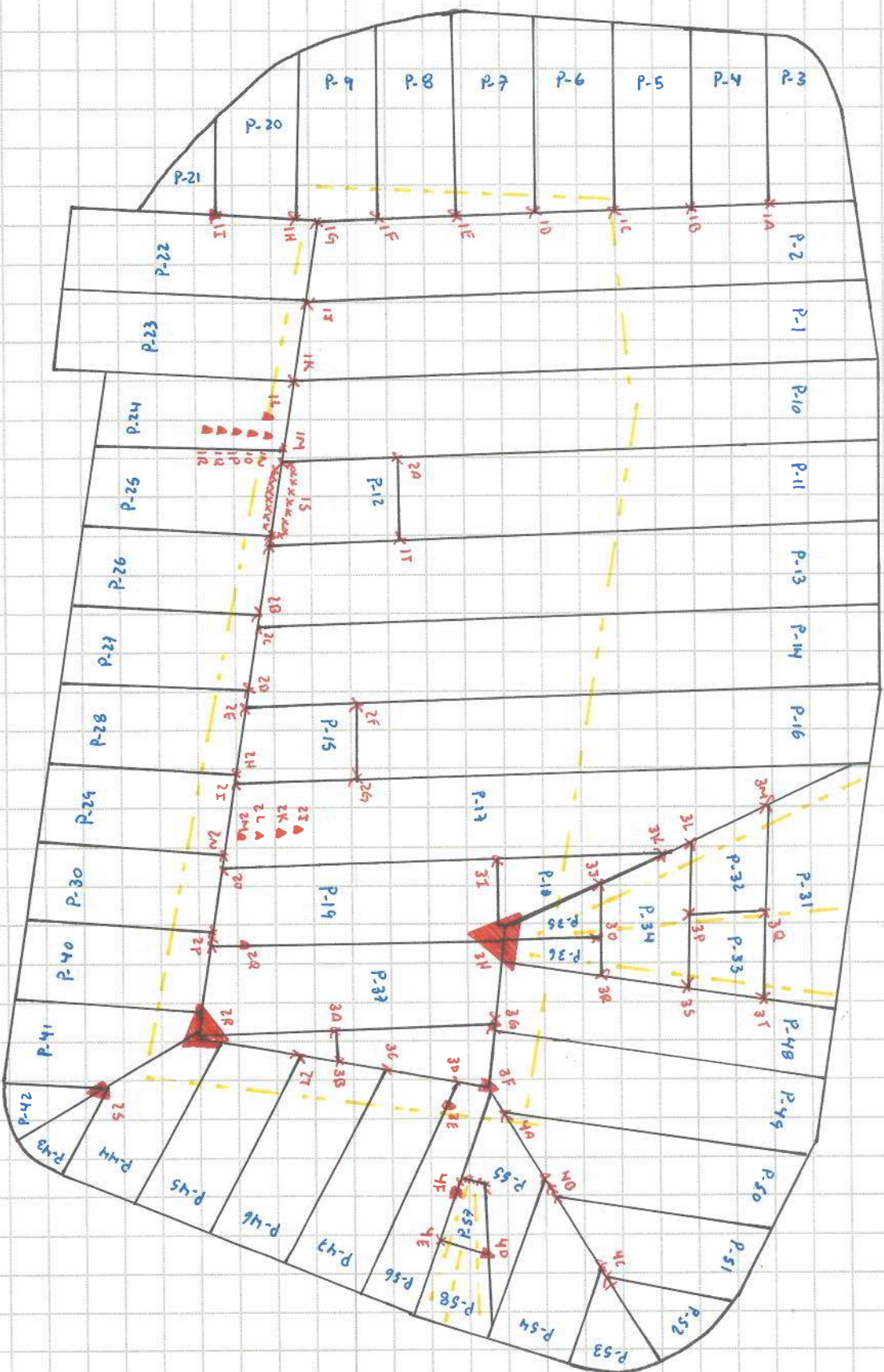
** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.

LPL FORM 7

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: TW

DATE: _____



LEGEND

- EXTENT OF LINER
- TOE OF SLOPE
- LINER FIELD SEAM
- EXTRUSION WELDING
- PATCH
- PANEL NUMBER
- REPAIR NUMBER

PROJECT NAME
Mary River Project
Sedimentation Pond
Shot Pile East

MATERIAL TYPE
EL 60 60 m.i



DATE	PROJECT No.
1	CT000071

DWG:	OF	SCALE:
DWG:	CARD:	APPD:
DWG:	18/04/14	REVISION:

