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By Richard Dwyer at 5:19 pm, Mar 31, 2011



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March 15, 2009

Jim Millard, M. Sc., P. Geo.
Environmental Superintendent
Mary River Project
Baffinland Iron Mines Corporation
Suite 1016, 120 Adelaide Street West
Toronto, Ontario M5H 1T1

Dear Jim,

RE:

**MARY RIVER PROJECT
BULK FUEL STORAGE FACILITY AT MARY RIVER CAMP
AS-BUILT CONSTRUCTION REPORT
OUR REFERENCE NO. 09-058**

Genivar Consultants LP (Genivar) was retained by Baffinland Iron Mines Corporation (BIMC) to design the Bulk Fuel Storage Facility at their Mary River Camp site in Nunavut, provide limited QA/QC services during construction and subsequently to compile the required documentation of as-built conditions of the storage facility.

BACKGROUND

Part J (4) of the Water Licence (#2BB-MRY0710) for the Mary River Project issued by the Nunavut Water Board (NWB) states that:

"The Licensee shall provide as-built plans and drawings, stamped and sealed by a professional Engineer registered in Nunavut, within ninety (90) days of completion of all construction works, includingiii. Bulk Storage of fuel Facilities."

During 2007 and 2008, bulk fuel for the Mary River Project has been delivered to the Milne Inlet port. A Bulk Fuel Storage Facility has been built to contain all the required fuel at Milne Inlet camp. The as-built construction report for this facility was submitted to the NWB in December 2007. The plan in 2008 and 2009 is to transfer fuel from the Milne Inlet facility by tanker truck to the Mary River Camp

(approximately 100 km from Milne Inlet along the Milne Inlet Tote Road). Bulk fuel at the Mary River Camp is/will be stored in the Mary River Bulk Fuel Storage Facility which is the subject of the report, herein.

PROPOSED DESIGN OF THE FACILITIES AT MARY RIVER CAMP SITE

Figure 1 shows the site map indicating the Mary River Project sites from Steensby in the south to Mary River Camp in the north and Milne Inlet Camp in the north. Figure 2 shows the site plan arrangements at Mary River Camp Site.

Fuel was shipped via ocean tankers from the port of Montreal to Milne Inlet. All bulk fuel at Milne inlet has been stored in the Milne Inlet Bulk Fuel Storage Facility consisting of 74 fuel bladders within a lined and bermed containment. Bulk fuel is transferred by tanker truck from Milne Inlet to the Mary River bulk fuel storage facility. Figures 3 and 4 included in Appendix 1 show the construction design details of the Bulk Fuel Storage Facility design at the Mary River Camp Site. The Fuel bladders are identified in NIRB's Northern Remote Site Protocols document (Dillon, 1998) and have been used by both private companies and the federal government in Nunavut, Yukon and other arctic regions of the world. The fuel bladders were supplied by Raymac Industries and engineered by SEI Industries. Detailed arrangement of the fuel bladders in the containment as well as piping arrangement is included in Appendix 2.

As shown in the related drawings in Appendix 1, the fuel storage facility was designed with an earthen berm lined with a petroleum-resistant geomembrane liner (Hazgard HZ-500) that meets ULC/ORD-C58.9-1997 specifications for Underground and Aboveground flammable and combustible liquid storage tanks. The liner was to be covered with approximately 300mm of granular material to protect it from damage.

The containment was designed to hold 110% of total aggregate capacity of the fuel facility as per the CCME's "Environmental Code of Practice for Aboveground and Underground Storage Tank Systems containing Petroleum and Allied Petroleum Products" and "National Fire Code of Canada" standards. As well, the containments design consisted of a sump for collection of precipitation. The containments floors were designed to grade towards the sump. The sump was designed to be periodically pumped and contaminated water treated by an appropriate portable treatment unit. The treatment process involves oil water separator, filtration through two types of media, and polishing using activated carbon if required. The clean water from the process (that meets Water Licence Criteria) was designed to be discharged to the receiving environment while the oil and filter media was to be collected in drums and subsequently shipped offsite for recycling.

The Mary River Bulk Fuel Storage Facility was designed to contain 16 bladders, each containing 113,560 litres. Two to four of the bladders were to be used for

the storage of aviation fuel while the remaining bladders were to be used for the storage of diesel fuel.

The fuel facility was designed to be equipped with dispensing stations consisting of electric pumps and shut-off valves in a lined pad backfilled with granular material. The precipitation within this area was to be collected in a sump and treated as required. Any fuel spills was designed to be contained within the lined areas which can then be excavated, tested and treated as necessary at the end of the project.

AS-CONSTRUCTED CONDITIONS OF THE FACILITY

Containment construction

The containment for the Bulk Fuel Storage Facility was constructed in general conformance with the design. For details on the plans and sections of the containment construction, please refer to Figure 5 in Appendix 1 for as-constructed drawing of the Mary River Bulk Fuel Storage Facility.

The material used for the containment berms and base was obtained from nearby borrow sources. The material was free of any deleterious substances and was approved by the liner construction staff. A certificate of acceptance is included in Appendix 2 by Raymac/Layfield who was the supplier and contractor for the containment liner.

The liner was installed and welded as per the design criteria as well as liner manufacturer's recommendations. The liner was a nominal 40-mil impermeable material (commercially known as Hazgard 50). Quality Assurance and Quality Control was provided by Layfield (the liner material supplier) and a QA/QC report is included in Appendix 2.

Mechanical (bladders, pipes, valves...)

All mechanical components of the Bulk Fuel Storage Facility including the bladders (fuel tanks), the piping network within the containment, valves, the sump, oil/water separator, the piping from the shore to the Bulk Fuel Storage Facility, and the contaminated water treatment system were designed by SEI Industries and constructed by Raymac Inc.

Design drawing of the mechanical components of the Bulk Fuel Storage Facility at the Mary River Camp Site is included in Appendix 2.

It is our opinion that the Bulk Fuel Storage Facility containment was designed and built in general conformance with CCME's "Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products" as well as "National Fire Code of Canada".

The following requirements have either been followed or shall be followed by BIMC in order to ensure compliance with CCME and NFC guidelines prior to the operation of the facility:

Tank Registration

Each storage tank (bladder) will be registered with the Fire Marshal in 2009. The registration document will include the name of owner, address of owner, type of facility, location of the tanks, storage capacity of the tank, type of product stored, year of installation, ULC standard of tank (bladder), type of storage material, type of piping material, type of corrosion protection (if any), type of pumps, description of leak detection system, type of secondary containment, name of operator, name of land owner, name of installer, manufacturer of storage tanks as per CCME, item 2.4.2.

Visual Leak Detection

BIMC conducts periodic visual inspections of each fuel bladder in accordance with the fuel management practice and schedule that has been developed for the Project. An inventory reconciliation plan has been developed for facility operations as part of the leak detection system.

Spill Contingency plan

The Bulk Fuel Storage Facility operation shall comply with the guidelines set forth by the Spill Contingency Planning and Reporting Regulations. This spill Contingency Plan has been provided by BIMC to the Nunavut Water Board and a copy is available at each site.

Bladder and Product Identification

Each tank/bladder should be identified in conformance with the Canadian Petroleum Products Institute (CPPI) "using the CPPI Colour-symbol system to mark equipment and vehicles for product identification".

Fire Protection

At least two (2) fire extinguishers, each having a rating of not less than 80-B:C, has been provided at the truck loading pad and at the fuel intake to the Bulk Fuel Storage Facility.

Please note that in all cases, the authority having jurisdiction is as follows:

Fire Marshall
Department of Community Government & Transportation
Government of Nunavut
P.O. Box 1000, Station 700
Iqaluit, Nunavut X0A 0H0
Tel. 879-975-5310
Fax. 867-979-4221

We trust this report is satisfactory and meets your requirements. However, should you have any questions, please do not hesitate to contact the undersigned for further discussion.

Yours truly,

Genivar Consultants LP

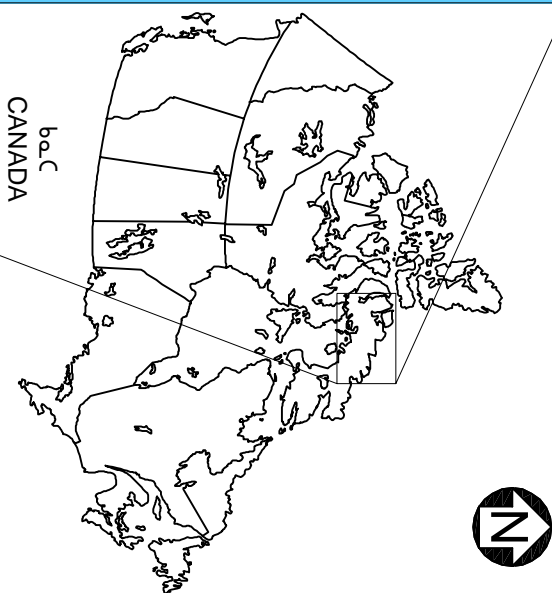


Marz G. Kord, P. Eng., M.Sc., MBA



APPENDIX 1

DRAWINGS



Legend:

- Water
- Camp Location
- Community

Scale (Approx.) 0 20 40 80 120 160 200 Feet
0 20 40 80 120 160 200 Meters

Baffinland

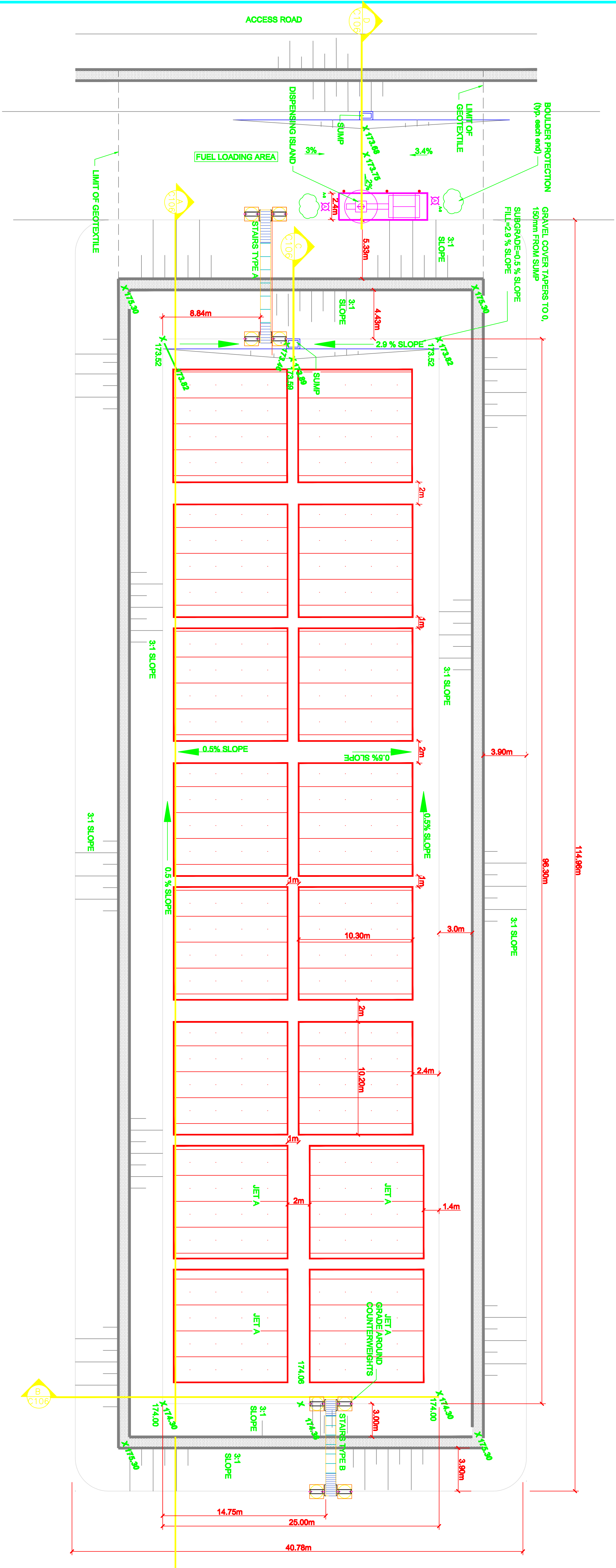
MARY RIVER PROJECT

PROJECT LOCATION MAP

Knight Piesold
CONSULTING

P/A NO.	REF.	REV.
NB102-201/81/15		
NB09-00192		0

FIGURE 1




This Drawing is an instrument of service and shall remain the property of B.H. Martin Consultants Ltd. It shall not be used for the construction, enlargement or alteration of a building other than the said project without the authorization of the ARCHITECT and/or ENGINEER.

Contractors shall verify and be responsible for all dimensions and conditions on the job and report any discrepancies to the Architect and/or Engineer before proceeding with the work.

Drawings shall not be scaled.

LEGEND
X 174.30 PROPOSED ELEVATION
174.00 EXISTING ELEVATION

ISSUED FOR CONSTRUCTION	July 03, 2007	1
ISSUED FOR TENDER/REVIEW	Mar. 25, 2007	0
Description	Date	No.
Revisions and Issues		



NORTH

Data Printed

B.H. MARTIN CONSULTANTS LTD.
Consulting Engineers and Architects
Timmins, Ontario
www.bhmartin.com

ARCHITECT STRUCTURAL/CIVIL

MECHANICAL ELECTRICAL

Project
MARY RIVER PROJECT
BAFFINLAND IRON
MINES CORPORATION
BAFFIN ISLAND,
NUNAVUT

Drawing
MARY RIVER BULK FUEL
STORAGE FACILITY
PLAN

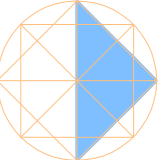
Date MARCH 2009	CADD File Number MRC09058.dwg
Scale 1:200	Job Number
Drawn S.O.C.M.	09-058
Checked M.K.	Drawing Number
Approved	FIGURE 3

This Drawing is an instrument of service and shall remain the property of GENIVAR. It may not be reproduced or copied in any form. It shall not be used for any purpose other than that authorized by a written contract, engagement or agreement of a building professional in accordance with the authorization of the CONSULTANTS.

Contractors shall verify and be responsible for all dimensions and conditions on the job and report any discrepancies to the Consultant before proceeding with the work.

Drawings shall not be scaled.

Description	Date	No.
Revisions and Issues		



NORTH

Date Printed



GENIVAR

684 Avenue 29e Ste-Sophie
Tremblay, Quebec H9A 1T5
Tel. (514) 296-6415
Fax (514) 296-0725

ARCHITECT

STRUCTURAL/CIVIL

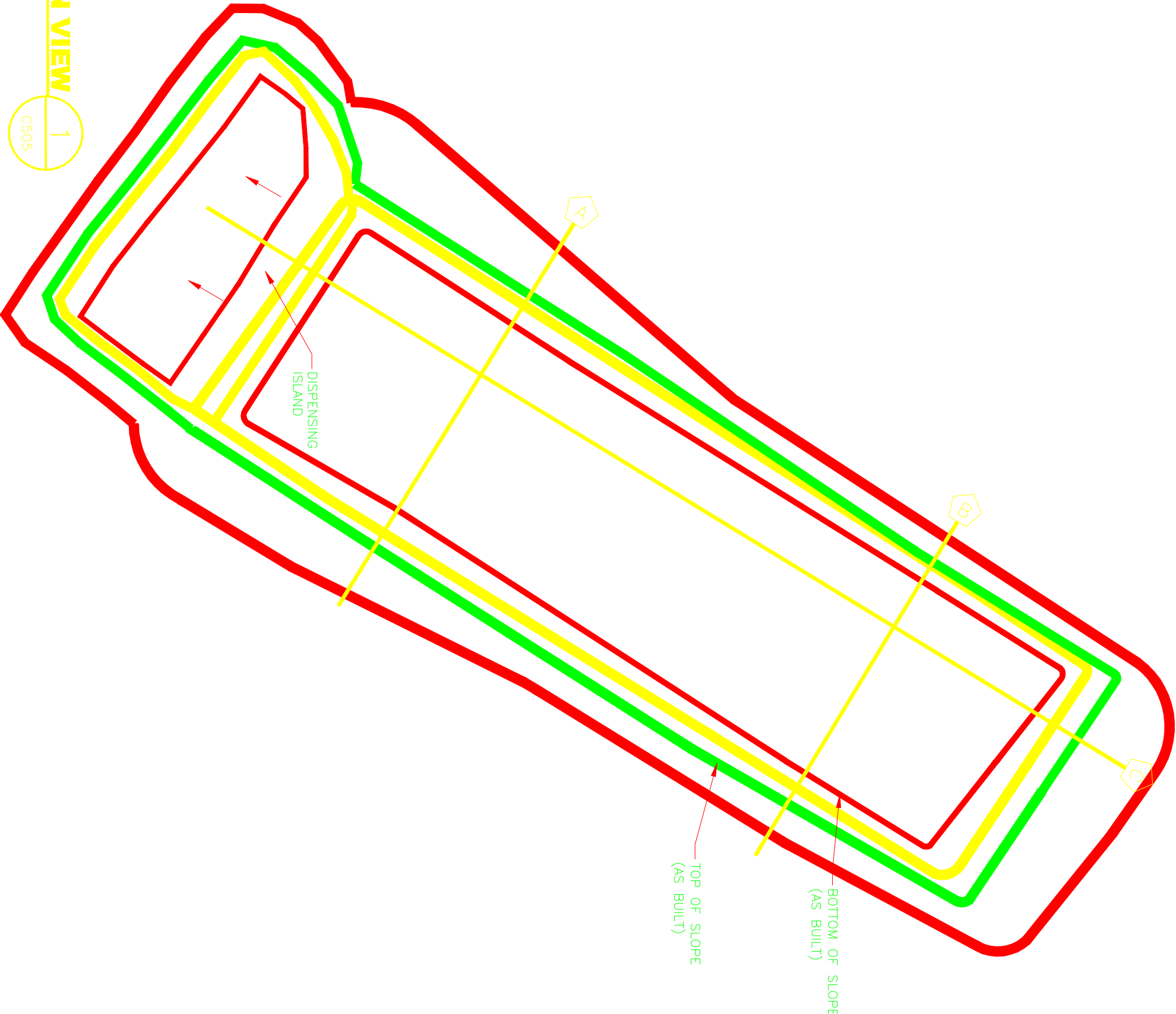
MECHANICAL

ELECTRICAL

FUEL FARM B PLAN VIEW 1

1:500

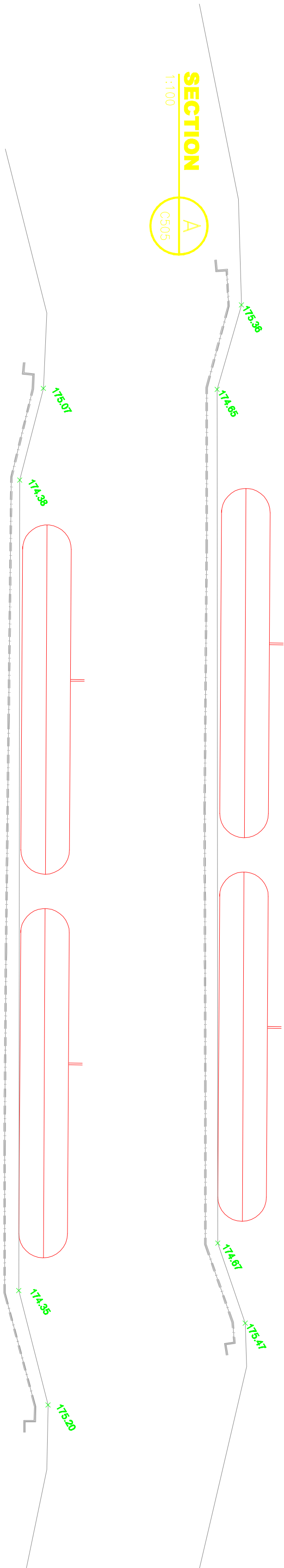
CS05



SECTION A

1:100

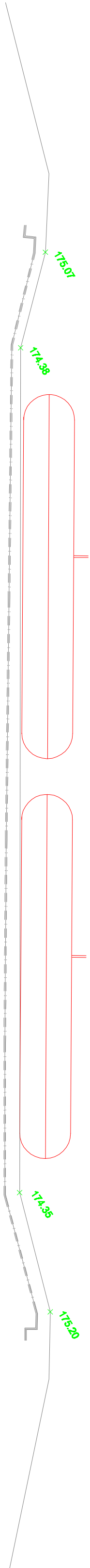
CS05



SECTION B

1:100

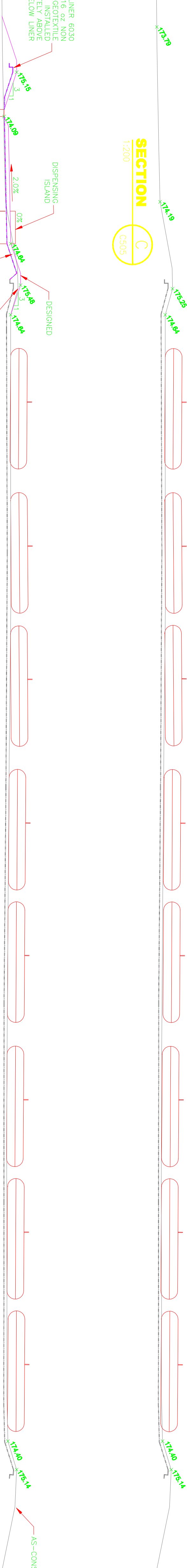
CS05



SECTION C

1:200

CS05



ENVIRO LINER 6030 WITH 16.02 NON WOVEN GEOTEXTILE INSTALLED IMMEDIATELY ABOVE AND BELOW LINER

DESIGNING ISLAND

PERFORATED CULVERT SURROUNDED BY RIPRAP TO PREVENT EROSION OF AREA AROUND TOP TO BE FREE OF GRANULAR MATERIAL (MINIMUM 150mm)

300mm COVER MINIMUM

AS-CONSTRUCTED

SECTION C

1:200

CS05

AS-CONSTRUCTED

Project

MARY RIVER PROJECT
BAFFIN LAND IRON
MINES CORPORATION
BAFFINSLAND

NUNAVUT

Drawing

MARY RIVER BULK FUEL
STORAGE FACILITY
AS-CONSTRUCTED DRAWING

Date	CADD File Number
MARCH 2009	REPORT-FR-FRM
Scale	Job Number
AS NOTED	09-058
Drawn	Drawing Number
S.S	CHECKED
CHECKED	APPROVED
APPROVED	FIGURE 5

RECEIVED

By Richard Dwyer at 5:19 pm, Mar 31, 2011



APPENDIX 2

**AS-CON STRUCTURED REPORTS (QA/QC)
PHOTOGRAPHS**

MARY RIVER



CERTIFICATE OF ACCEPTANCE OF SOIL SUBGRADE SURFACE

PROJECT NAME: Fuel Farm
PROJECT NUMBER: 07C-015
OWNER: Baffinland Iron Mines
LOCATION: Many River

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: Areas under panels A1-A4 and
panel B1&B2, uncompacted surface a berms, some
rock & snow, generally sand

LAYFIELD ENVIRONMENTAL SYSTEMS REPRESENTATIVE:

Date: October 18, 2007
Signature: [Signature]
Name: Allan McKinnon
Title: Project Supervisor

OWNERS REPRESENTATIVE:

Date: Oct 18 / 2007
Signature: [Signature]
Name: Kenneth Landry
Title: PROJECT MGR
Company: BAFFINLAND IRON MINES

CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE

PROJECT NAME: Fuel Farm
PROJECT NUMBER: 07C-015 DATE: Oct. 18, 2007
OWNER: Battinland Iron Mines
LOCATION: Mary River

Scope of Installation(s): THE WORK

Installed, welded/repaired/tested approx 3,880 sq. meters
of Hazard 500. Installed approx 8,150 sq. meters of
LP-16 textile as an overlay & underlay. Lined
1 sump as per owner. Cleared up area of
garbage upon completion.

Part 1 – LAYFIELD ENVIRONMENTAL SYSTEMS LTD.

I, Allen McKinnon, 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: Allen McKinnon
Title: Project Supervisor
Date: Oct. 18, 2007 Signature: Allen McKinnon

Part 2 – OWNER (or Representative)

I, ROLAND LANDRY, a duly appointed representative of BATTINLAND
IRON MINES, 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: ROLAND LANDRY
Title: PROJECT MANAGER
Company: BATTINLAND IRON MINES
Date: OCT 18/07 Signature: Roland Landry

Comments: _____

GEOSYNTHETICS INVENTORY LOG

PROJECT TITLE: Fuel Farm
CONTRACTOR: _____
SHEET NUMBER: 1 of 1

MATERIAL TYPE: GEOMEMBRANE GEONET GEOTEXTILE OTHER _____
 DATE OF ARRIVAL: _____ DATE OF INVENTORY: Sept. 29, Oct. 11, 2007
 UNLOADING METHOD: _____ INVENTORY BY: Asm
 PRODUCT TYPE: LP-16 x Hazard 500 CONDITION IN TRUCK: _____
 MATERIAL MANUFACTURER: _____

[illegible]

SUBMITTED BY: ASm
DATE: October 26 2007



✓ **TF - # FUSION**

TX - # = EXTRUSION

TS-#=SOLVENT

LS FORM 3

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: Oct. 26, 2007
DATE: ASm.



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015 PROJECT TITLE: Fuel Farm.
OWNER: Boffinland Iron Mine CONTRACTOR: _____
LOCATION: Mary River

PASSING TRIAL SEAMS

<input checked="" type="checkbox"/> FUSION	NO.	TIME	TECH ID
<input type="checkbox"/> EXTRUSION	<u>TF-1</u>	<u>1645</u>	<u>Am.</u>
<input type="checkbox"/> SOLVENT			

SHEET NUMBER: 1
DATE: October 8, 2007

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>A4/A3</u>	<u>WEOS</u>	<u>-EEOS</u>	<u>1710</u>	<u>-3°C</u>	<u>Am</u>	<u>50%</u>	<u>825</u>	-	<u>37 m</u>		<u>Am</u>		<u>10-8</u>	<u>Am.</u>
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
DAILY TOTAL									<u>37 m</u>					

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

SUBMITTED BY: ASm
DATE: October 26, 2007

LAYFIELD ENVIRONMENTAL SYSTEMS



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015 PROJECT TITLE: Fuel Farm
OWNER: Baffinland Iron Mines CONTRACTOR: _____
LOCATION: Mary River

PASSING TRIAL SEAMS

<u>✓</u> FUSION	NO.	TIME	TECH ID
EXTRUSION	<u>TF-2</u>	<u>1245</u>	<u>A.M</u>
SOLVENT			

SHEET NUMBER: 2
DATE: Oct. 9, 2007

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	NON-DESTRUCTIVE	
							DIGITAL SET WEDGE OR BARREL	DIGITAL SET WEDGE OR BARREL				TEST DATE	CHECKED BY
A3/A2	WE05-EE05	1303	-5	AM	50%	825°	-	-	36.9 m		AM	10-9	AM
A2/A1	WE05-EE05	1359	-5	AM	50%	825°	-	-	36.7 m		AM	10-9	AM
/	-						-	-					
/	-						-	-					
/	-						-	-					
/	-						-	-					
/	-						-	-					
/	-						-	-					
/	-						-	-					
/	-						-	-					
/	-						-	-					
DAILY TOTAL									73.6m				

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

SUBMITTED BY: AS m
DATE: October 26, 2007



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015

OWNER: Baffinland Iron Mines

LOCATION: Mary River

PROJECT TITLE: Fuel Farm

CONTRACTOR: _____

PASSING TRIAL SEAMS

NO. TF3 TIME 1235 TECH ID A.M

✓ FUSION

EXTRUSION

SOLVENT

SHEET NUMBER: 3

DATE: October 14, 2007

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
A11B1	WE05-EE05	1308	-3°C	Am	50%	825°	-	35.3m		Am		10-14	Am.
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
/	-					-	-						
DAILY TOTAL								35.3m					

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

SUBMITTED BY: Asm

DATE: October 26, 2007



GEOMEMBRANE SEAM LOG

PROJECT NUMBER: 07C-015 PROJECT TITLE: Fuel Form
OWNER: Baffinland Iron Mines CONTRACTOR: _____
LOCATION: Mary River

PASSING TRIAL SEAMS

NO.	TIME	TECH ID
TF-4	1330	Am

SHEET NUMBER: 4
DATE: October 15, 2007

✓ 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	DIGITAL SET					TEST DATE	CHECKED BY
B2181	FEOS-WEOS		1410	-2°C	Am	50%	825	-	349m		Am		10-15	Am
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
/	-						-	-						
DAILY TOTAL									34.9m					

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

SUBMITTED BY: Am
DATE: October 26, 2007



VACUUM BOX _____

AIR LANCE ✓

SHEET NUMBER: 1

* 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 ENVIRONMENTAL SYSTEMS

SUBMITTED BY: ASW
DATE: October 26, 2007



GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 07C-015

PROJECT TITLE: Fuel Farm

OWNER: Baffinland

CONTRACTOR:

LOCATION: Mary River

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	10-8	Seam A4-A3	11.4m from WEOS	WR	P	AM	10-8		10-8	AM
1B	10-8	Seam A4-A3	28.1m from WEOS	WR	P	AM	10-8		10-8	AM
1C	10-9	Seam A3-A2	9m from WEOS	XS						
1D	10-9	Seam A3-A2	30.1m from WEOS	WR	P	AM	10-9	welded flap	10-9	AM
1E	10-9	Seam A3-A2	32.3m from WEOS	WR	P	AM	10-9		10-9	AM
1F	10-9	Seam A2-A1	East toe	XS						
1G	10-14	Seam A1-B1	3.8m from FEOS	WR	P	AM	10-9	welded flap	10-9	AM
1H	10-14	Seam A1-B1	22.1m from WEOS	WR	P	AM	10-14		10-14	AM
1I	10-14	Seam A1-B1	23.6m from WEOS	WR	P	AM	10-14		10-14	AM
1J	10-14	Panel B1	West crest	SR	P	AM	10-14		10-14	AM
1K	10-14	Panel B1	West crest	SR	P	AM	10-14		10-14	AM
1L	10-14	Panel B1	22.1m from Wedge	SR	P	AM	10-14		10-14	AM
1M	10-14	Panel B1	8m from Wedge	SR	P	AM	10-14		10-14	AM
1N	10-15	Seam B1-B2	East crest	WR		AM	10-15	welded flap	10-15	AM
1O	10-15	Seam B1-B2	East toe	WR	P	AM	10-15		10-15	AM
1P	10-15	Seam B1-B2	6.2m from FEOS	WR		AM	10-15	welded flap	10-15	AM
1Q	10-15	Panel B2	7m from Wedge	SR	P	AM	10-15	4m from W toe	10-15	AM
1R	10-17	Panel B2	0.8m from N toe	Sump		AM	10-17	13m from E toe	10-17	AM

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-4 - 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 - 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 RUSTART
OTHER: SR - snow removal

PASSING TRIAL SEAMS		
NO.	TIME	TECH ID.

** COLUMNS TO BE USED BY THE PROJECT SUPERVISOR OR LEAD TECHNICIAN ONLY.
LPL FORM 7

SUBMITTED BY: ASM
DATE: Oct-26-2007



Bulk Fuel
Storage Facility

Photo 1: Mary River aerial view. The Bulk Fuel Storage Facility is seen above.



Photo 2: The slopes of the berms are prepared as per the design.



Photo 3: The base of the containment area is being prepared.



Photo 4: The slopes and the base are ready for the installation of the liner.



Photo 5: The liner material is shown above.



Photo 6: The liner is being installed within the containment and slopes.



Photo 7: Liner is installed over the slopes. The slopes and the base of the liner will then be protected with appropriate thickness of granular material.



Photo 8: Granular material is being placed over the liner.



Photo 9: Appropriate amount of cover is being placed over the liner.



Photo 10: Completed containment is seen above.



Photo 11: Fuel bladders are placed at their appropriate locations as per the design.



Photo 12: Fuel dispensing area is being prepared.



Photo 13: Mechanical crew installing the piping as per the design by SEI.



Photo 14: Bulk Fuel Storage Facility at completion.