



LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 08C-019
OWNER: Government of Minnesota
LOCATION: Quiburg

PROJECT TITLE: water reservoir
CONTRACTOR: Kudlich constr.

DATE: Aug 24/08
SHEET NUMBER: 6

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS/FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
1 / 15	NEOS - 12	MA	40 : 40	14:40: 14:45	P	V -	MA	
1 / 15	12 - SEOS		40 : 39	14:40: 14:45	P	- V		
2 / 16	NEOS - 2A		40 : 40	14:46: 14:51	P	V -		
2 / 16	2A - SEOS		40 : 39	14:46: 14:51	P	- V		
3 / 20	NEOS - SEOS		40 : 38	14:52: 14:57	P	- V		
4 / 21	NEOS - SEOS		40 : 40	14:52: 14:57	P	- V		
5 / 22	NEOS - SEOS		40 : 39	14:52: 14:57	P	- V		
6 / 23	NEOS - SEOS		40 : 38	15:00: 15:05	P	- V		
7 / 24	NEOS - SEOS		40 : 40	15:00: 15:05	P	- V		
8 / 25	NEOS - SEOS		40 : 38	15:08: 15:13	P	- V		
9 / 26	NEOS - SEOS		40 : 40	15:08: 15:13	P	- V		
10 / 27	NEOS - SEOS		40 : 39	15:16: 15:21	P	- V		
11 / 28	NEOS - SEOS	V	40 : 38	15:16: 15:21	P	- V		
12 / 29	NEOS - SEOS		40 : 40	15:28: 15:33	P	- V		
13 / 30	NEOS - SEOS	MA	40 : 38	15:28: 15:33	P	- V	MA	
/	-		:	:		-		
/	-		:	:		-		

* 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: _____
SUBMITTED BY: M. Audel



LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 08C-019

OWNER: Government of Nunavut

LOCATION: Qitigaqjuaq

PROJECT TITLE: water reservoir

CONTRACTOR: Kudlik Const

DATE: Aug 25/08
SHEET NUMBER: 7

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
1 / 39	EEOS - WEOS	MA	40 : 38	9:15 : 9:20	P	- V	MA	
39 / 40	EEOS - WEOS		40 : 38	9:15 : 9:20	P	- V		
41 / 40	EEOS - WEOS		40 : 39	9:22 : 9:27	P	- V		
41 / 42	EEOS - WEOS		40 : 40	9:22 : 9:27	P	- V		
42 / 43	EEOS - WEOS		40 : 40	9:22 : 9:27	P	- V		
38 / 43	NEOS - SEOS		40 : 39	9:28 : 9:33	P	- V		
37 / 38	NEOS - SEOS		40 : 38	9:28 : 9:33	P	- V		
37 / 36	NEOS - SEOS		40 : 38	9:28 : 9:33	P	- V		
36 / 35	NEOS - SEOS		40 : 38	9:35 : 9:40	P	- V		
34 / 35	NEOS - SEOS		40 : 39	9:35 : 9:40	P	- V		
33 / 34	NEOS - SEOS		40 : 38	9:35 : 9:40	P	- V		
32 / 33	NEOS - SEOS		40 : 38	9:42 : 9:47	P	- V		
32 / 31	NEOS - SEOS		40 : 39	9:42 : 9:47	P	- V		
38 / 42	NEOS - SEOS		40 : 39	9:50 : 9:55	P	- V		
41 / 37	NEOS - SEOS		40 : 38	9:50 : 9:55	P	- V		
40 / 36	NEOS - SEOS		40 : 40	9:50 : 9:55	P	- V		
35 / 39	NEOS - SEOS	MA	40 : 40	10:00 : 10:05	P	- V	MA	

* 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: _____

SUBMITTED BY: MAudot



LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 08C-G/9

PROJECT TITLE: Water Reservoir

OWNER: Government of Nunavut

CONTRACTOR: Kudlik Const

LOCATION: Qikiqtarjuaq

DATE: aug 25/08

SHEET NUMBER: 8

SEAM NUMBER	SEAM SECTION * FROM TO	TECH. ID	PRESSURE START FINISH	TIME START FINISH	RESULTS PASS/FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
1 / 34	EEOS - WEOS	MA	40 : 39	10:00:10:05	P	- V	MA	
1 / 33	EEOS - WEOS		40 : 38	10:00:10:05	P	- V		
15 / 32	EEOS - WEOS		40 : 39	10:08:10:13	P	- V		
15 / 31	EEOS - WEOS		40 : 38	10:08:10:13	P	- V		
31 / 48	NEOS - SEOS		40 : 38	11:10:11:15	P	- V		
48 / 49	NEOS - SEOS		40 : 39	11:10:11:15	P	- V		
49 / 50	NEOS - SEOS		40 : 40	11:20:11:25	P	- V		
50 / 51	NEOS - SEOS		40 : 39	11:20:11:25	P	- V		
45 / 46	WEOS - EEOS		40 : 38	11:28:11:33	P	- V		
44 / 45	WEOS - EEOS		40 : 38	11:28:11:33	P	- V		
15 / 44	WEOS - EEOS		40 : 39	11:36:11:41	P	- V		
47 / 51	NEOS - SEOS		40 : 40	11:36:11:41	P	- V		
46 / 50	NEOS - SEOS		40 : 38	11:43:11:48	P	- V		
45 / 49	NEOS - SEOS	V	40 : 38	11:43:11:48	P	- V		
44 / 48	NEOS - SEOS	MA	40 : 39	11:52:11:57	P	- V	MA	
/	-		:	:		-		
/	-		:	:		-		

* 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: _____

SUBMITTED BY: M. Audet



LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 08C-019

PROJECT TITLE: water reservoir

OWNER: City of Alameda

CONTRACTOR: Kudlik constr.

LOCATION: Quilley Springs

DATE: Aug 27/08
SHEET NUMBER: 9

SEAM NUMBER	SEAM SECTION *		TECH. ID	PRESSURE		TIME		RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
	FROM	TO		START	FINISH	START	FINISH				
57118	SEOS - NEOS	MA		40 : 38		7:45	7:50	P	- V	MA	
57158	SEOS - NEOS	MA		40 : 38		7:45	7:50	P	- V	MA	
58159	SEOS - NEOS	MA		40 : 40		7:58	8:03	P	- V	MA	
59160	SEOS - NEOS	MA		40 : 39		7:58	8:03	P	- V	MA	
60161	SEOS - NEOS	MA		40 : 40		7:58	8:03	P	- V	MA	
61156	SEOS - WEOS	MA		40 : 40		8:05	8:10	P	- V	MA	
56155	EEOS - WEOS	MA		40 : 39		8:05	8:10	P	- V	MA	
54155	EEOS - WEOS	MA		40 : 39		8:05	8:10	P	- V	MA	
54153	EEOS - WEOS	MA		40 : 38		8:15	8:20	P	- V	MA	
53152	EEOS - WEOS	MA		40 : 39		8:15	8:20	P	- V	MA	
52114	EEOS - WEOS	MA		40 : 38		8:23	8:28	P	- V	MA	
55160	EEOS - WEOS	MA		40 : 39		8:34	8:39	P	- V	MA	
59154	EEOS - WEOS	MA		40 : 39		8:34	8:39	P	- V	MA	
58153	EEOS - WEOS	MA		40 : 39		8:34	8:39	P	- V	MA	
52157	EEOS - WEOS	MA		40 : 40		8:43	8:48	P	- V	MA	
19114	EEOS - WEOS	MA		40 : 40		8:46	8:51	P	- V	MA	
62164	EEOS - WEOS	MA		40 : 40		8:58	9:03	P	- V	MA	

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

DATE: _____

SUBMITTED BY: M. Audet



LAYFIELD

GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: 08C-019
OWNER: Government of Nunavut
LOCATION: Qikiqtaalug

PROJECT TITLE: water reservoir
CONTRACTOR: Kudlik const.

DATE: Aug 27/08
SHEET NUMBER: 10

SEAM NUMBER	SEAM SECTION *		TECH. ID	PRESSURE		TIME		RESULTS PASS / FAIL	SEAM COMPLETE NO YES	CHECKED BY	REMARKS **
	FROM	TO		START	FINISH	START	FINISH				
62163	EOS - WEOS	MA	MA	40 : 38		8:58	9:03	P	- V	MA	
14162	NEOS - SEOS	MA	MA	40 : 39		9:08	9:13	P	- V	MA	
73168	WEOS - EOS	MA	MA	40 : 38		9:22	9:27	P	- V	MA	
72173	EOS - WEOS	MA	MA	40 : 40		9:22	9:27	P	- V	MA	
67168	NEOS - SEOS	MA	MA	40 : 39		9:22	9:27	P	- V	MA	
67171	WEOS - EOS	MA	MA	40 : 38		9:35	9:40	P	- V	MA	
71172	EOS - WEOS	MA	MA	40 : 40		9:35	9:40	P	- V	MA	
67166	NEOS - SEOS	MA	MA	40 : 39		9:50	9:55	P	- V	MA	
66170	WEOS - EOS	MA	MA	40 : 39		9:50	9:55	P	- V	MA	
70171	EOS - WEOS	MA	MA	40 : 38		13:25	13:30	P	- V	MA	
65166	NEOS - SEOS	MA	MA	40 : 40		13:25	13:30	P	- V	MA	
69170	EOS - WEOS	MA	MA	40 : 39		13:38	13:43	P	- V	MA	
65169	WEOS - EOS	MA	MA	40 : 38		13:38	13:43	P	- V	MA	
64165	SEOS - NEOS	MA	MA	40 : 38		13:50	13:55	P	- V	MA	
64163	SEOS - NEOS	MA	MA	40 : 38		13:50	13:55	P	- V	MA	
69162	WEOS - EOS	MA	MA	40 : 39		14:05	14:10	P	- V	MA	
62130	WEOS - EOS	MA	MA	40 : 39		14:05	14:10	P	- V	MA	

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

DATE: _____
SUBMITTED BY: M. Audet



GEOMEMBRANE SEAM PRESSURE TEST LOG

PROJECT NUMBER: OGC-019

OWNER: Government of Karnataka

LOCATION: Qibitjaq

PROJECT TITLE:

CONTRACTOR: K. J. O'Brien

DATE: Aug 27/08
SHEET NUMBER: 77

[illegible]

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

DATE:

SUBMITTED BY: M. Oudot



LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 08C-019

PROJECT TITLE: Water treatment

OWNER: Government of Nunavut

CONTRACTOR: Kudluk const.

LOCATION: Qikiqtarjuaq

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	08/18	517/19	8' from SEOS	WR	P	M4	08/18		08/18	M4
1B	08/18	517/19	30' from SEOS	WR	P	M4	08/18		08/18	M4
1C	08/18	517/19	41' from SEOS	WR	P	M4	08/18		08/18	M4
1D	08/18	517/19	54' from SEOS	WR	P	M4	08/20		08/20	M4
1E	08/18	517/19	73' from SEOS	WR	P	M4	08/20		08/20	M4
1F	08/18	517/19	83' from SEOS	WR	P	M4	08/20		08/20	M4
1G	08/18	517/19	98' from SEOS	WR	P	M4	08/20		08/20	M4
1H	08/18	517/19 + 519/18	NEOS	EXT	P	M4	08/26		08/26	M4
1I	08/18	518/19	93' from SEOS	WR	P	M4	08/20		08/20	M4
1J	08/18	518/19	74' from SEOS	WR	P	M4	08/20		08/20	M4
1K	08/19	512/13	97' from EEO5	ES(2)	GW	M4	08/19		08/19	M4
1L	08/19	511/12	113' from EEO5	ES(1)	GW	M4	08/19		08/19	M4
1M	08/19	59/10	106' from EEO5	ES(2)	GW	M4	08/19		08/19	M4
1N	08/19	58/9	112' from EEO5	ES(2)	GW	M4	08/19		08/19	M4
1O	08/19	56/17	33' from EEO5	ES(4)	GW	M4	08/19		08/19	M4
1P	08/19	57/18	103' from EEO5	ES(2)	GW	M4	08/19		08/19	M4
1Q	08/19	55/16	95' from EEO5	ES(3)	GW	M4	08/19		08/19	M4
1R	08/19	54/15	111' from EEO5	ES(2)	GW	M4	08/19		08/19	M4
1S	08/19	53/14	105' from EEO5	ES(3)	GW	M4	08/19		08/19	M4
1T	08/20	510/11	21' from EEO5	DT#1	P	M4	08/20		08/20	M4

DEFECT TYPE: AD - ANIMAL RELATED DAMAGE

EE - EARTHWORK EQUIPMENT DAMAGE

PT - PRESSURE TEST CVT

D - UNDERPERFORATED RUSIN HEAD

EXT - EXTENSION

M - MILE SURFACE IRREGULARITY

BO - FUSION WELDER BURN

FM - FISHING WITH

SL - SLACK ON TEXTURED SHEET

HS - ROOTSKIRT FROM FML PENETRATION

FS - FAILED SEAM LENGTH III

T - THREE PANEL INTERSECTION

CO - CHANGE OF OVERLAP

FIS - FIELD TEST STRIP

VL - VACUUM TEST LIAR

CR - CRACK

HT - HEAT TACK BURN

WR - WRINKLE

D - INSTALLATION DAMAGE

IO - INSUFFICIENT OVERLAP (UNH & SPT)

WS - WELDER RESTANT

DS - DESTRUCTIVE TEST NUMBER

MD - MANUFACTURE/DELIVERY DAMAGE

OTHER

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, CLW - CRIMPED

PASSING TRIAL SEAMS			
NO.	TIME	TECH ID	
TX-1	08/18 19:35	M4	TX-4
TX-2	08/19 9:30	M4	
TX-3	08/20 14:00	M4	

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

LPL FORM 7

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: M. Gaudet
DATE: _____



GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: 08C-019

OWNER: Government of Nunavut

LOCATION: Qitigaqtuaq

PROJECT TITLE: water storage

CONTRACTOR: Kudlik Const.

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							
1A	08/26	520/21	40' from WEOS	DT#2	P	MA	08/27		27 Aug	MA
1V	08/21	524/25	31' from WEOS	US	P	MA	08/26		26	
1W	08/21	527/28	135' from WEOS	WR	P	MA	08/24		24	
1X	08/21	P24	112' from WEOP	WD	P	MA	08/24		24	
1Y	08/22	56/7	WEOS	WR	P	MA	08/24		24	
1Z	08/22	511/5	6' from SEOS	IO	P	MA	08/24		24	
2A	08/24	521/6	5' from SEOS	DT#3	P	MA	08/24		24	
2B	08/25	51/7	WEOS	T	GW	MA	08/24		24	
2C	08/25	511/5	NEOS	T	GW	MA	08/24		24	
2D	08/25	521/3	WEOS	T	GW	MA	08/24		24	
2E	08/25	531/4	WEOS	T	GW	MA	08/24		24	
2F	08/25	541/5	WEOS	T	GW	MA	08/24		24	
2G	08/25	551/6	WEOS	T	GW	MA	08/24		24	
2H	08/25	571/8	WEOS	T	GW	MA	08/24		24	
2I	08/25	581/9	WEOS	T	GW	MA	08/24		24	
2J	08/25	591/10	WEOS	T	GW	MA	08/24		24	
2K	08/25	510/11	WEOS	T	GW	MA	08/24		24	
2L	08/25	511/12	WEOS	T	GW	MA	08/24		24	
2M	08/25	512/13	WEOS	T	GW	MA	08/24		24	
2N	08/25	513/14	WEOS	T	GW	MA	08/24		24	

DEFECT TYPE: A - ANIMAL RELATED DAMAGE

B - COMPLETION OF MIN. HEAD

BO - FUSION WELDER BURN

BS - BOOTSKIRT FROM PAIL PENETRATION

CO - CHANGE OF OVERLAP

CR - CREASE

D - INSTALLATION DAMAGE

DS - DESTRUCTIVE TEST NUMBER

EA - EXCESSIVE SEAM, GAW - GRIND WELD

EL - LANTERNWORK EQUIPMENT DAMAGE

EN - EXCESSIVE SEAM

FA - FISHING HOLE

FS - LAPPED SEAM LENGTH

FTS - FIELD TEST STRIP

IT - HEAVY TACK BURN

IO - INSUFFICIENT OVERLAP (MIN. 6" SPEC.)

MA - MANUFACTURER DELIVERY DAMAGE

PT - PRE-SOIL TEST RESULT

SL - SEAM LOCATION AND REPAIR TYPE

T - THREE PANEL INTERSECTION

VL - VACUUM TEST PLAN

WR - WINDSUCK

WS - WELDER INSTANT

OTHER _____

PASSING TITIAL SEAMS		
NO.	TIME	TECH ID.

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

LPL FORM 7

LAYFIELD ENVIRONMENTAL SYSTEMS

SUBMITTED BY: M. Oudet

DATE: _____



LAYFIELD

GEOMEMBRANE DEFECT / REPAIR LOG

PROJECT NUMBER: ABC-019

PROJECT TITLE: water reservoir

OWNER: Government of Karnataka

CONTRACTOR: Kudlik encl

LOCATION: Qidig Tajung

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							
20	25	5	SEOS	T	GW	MA	25		25	MA
2P	27	563/64	NEOS	T	GW		27		27	
2Q	27	564/65	NEOS	WS	P		27		27	
2R	27	565/66	NEOS	T	GW		27		27	
2S	27	566/67	NEOS	T	GW		27		27	
2T	27	567/68	NEOS	T	GW		27		27	
2U	27	568/73	NEOS	T	GW		27		27	
2V	27	571/63	NEOS	T	GW		27		27	
2W	27	571/18	NEOS	WS	P		27		27	
2X	27	557/58	NEOS	T	GW		27		27	
2Y	27	558/59	NEOS	T	GW		27		27	
2Z	27	554/55	NEOS	T	GW		27		27	
3A	27	555/56	NEOS	T	GW		27		27	
3B	24	332/33	SEOS	T	GW		24		24	
3C	24	333/34	SEOS	T	GW		24		24	
3D	24	334/35	SEOS	WS	P		24		24	
3E	24	339/40	WEOS	T	GW		24		24	
3F	24	335/36	SEOS	T	GW		24		24	
3G	24	340/41	WEOS	T	GW		24		24	
3H	24	341/42	WEOS	T	GW	MA	24		24	MA

DEFECT TYPE: AD - ANIMAL RELATD DAMAGE

EE - EARTHWORK EQUIPMENT DAMAGE

PT - PEST INSECT

D - DRAINAGE DAMAGE

EE - EARTHWORK EQUIPMENT DAMAGE

PT - PEST INSECT

BS - BUSH/SHRUB DAMAGE

PT - PEST INSECT

PT - PEST INSECT

BS - BUSH/SHRUB DAMAGE

PT - PEST INSECT

PT - PEST INSECT

CO - CHANGE OF OVERLAY

PT - PEST INSECT

PT - PEST INSECT

CR - CRACK

PT - PEST INSECT

PT - PEST INSECT

D - DRAINAGE DAMAGE

PT - PEST INSECT

PT - PEST INSECT

DS - DRAINAGE DAMAGE

PT - PEST INSECT

PT - PEST INSECT

REPAIR TYPE: P - PATCH, C - CAP, RS - RECONSTRUCTED SEAM, GRW - GRIND WELD

PT - PEST INSECT

PT - PEST INSECT

PASSING TRIAL SEAMS		
NO.	TIME	TECHID.

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

SUBMITTED BY: M. Audeot

DATE: _____

LAYFIELD ENVIRONMENTAL SYSTEMS

LPL FORM 7

