NWB Annual Report **Year being reported:** 2009

License No: NWB4NUN0511 - Type "B" **Issued Date:** September 13, 2005
Expiry Date: December 13, 2011

Project Name: Nunatta Environmental Services "Landfarm"

Licensee: Nunatta Environmental Services

Mailing Address:
Box 267,
Iqaluit, Nunavut
X0A 0H0

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

General Background Information on the Project (*optional):

Nunatta Environmental Services Inc. (Nunatta) owns and operates a Hydrocarbon-Impacted Soil Landfarm Facility in the City of Iqaluit, Nunavut. This treatment facility is commonly referred to as a 'landfarm'. Nunatta operations consist in accepting soils impacted with petroleum products at various concentrations at the landfarm's geosynthetic lined cells and allow indigenous soil microorganisms with the assistance of fertilizers to degrade petroleum products into compounds such as water, carbon dioxide and hydrogen sulfide. Soils accepted at the landfarm are contaminated with diesel fuel, gasoline and other automotive oils.

Licence Requirements: the licensee must provide the following information in accodance with

Part B Item 1

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s): Run-off water, contaminated water from clean-up site

Water Quantity:

	Quantity Allowable Domestic (cu.m)
	Actual Quantity Used Domestic (cu.m)
	Quantity Allowable Drilling (cu.m)
	Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

- ☐ Solid Waste Disposal
- ☐ Sewage
- ☐ Drill Waste
- ☐ Greywater
- ☐ Hazardous
- ☑ Other: Hydrocarbon Contaminated Soils

Additional Details:

18 cubic meters of water was received into landfarm from outside sources. These waters were used inside the cells to wet soils . This was a very dry year and no surface water was collected or pumped off during the summer months.

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed

Additional Details:

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed

Additional Details:

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

There was a total of 1021 Meters received at landfarm in 2009 giving us a grand total of 7478 meters
Soils taken in and placed in cell # 1. Large rocks were removed and soils were piled into cell #2 to be further screened out next summer. Cell #3 had soils lightly treated with fertilizer and put into windrows. Rocks were removed from soils will be aerated and rocks cleaned. Limited space inside cells prompted construction of a holding or staging cell (refered to as cell #4) as we had an unusual number of spills in 2009 and contaminated soil has to be removed from spill site in order to remediate.The new cell was constructed using a 30mm liner and in accordance to preapproved Engineering Drawings prepared by Dillon Engineering. The construction was supervised by Axel D Have P Eng. Several photograghs were taken at various stages during the construction and are attached to this report.
Not enough sand was located to complete inside, will be completed in 2010

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Not Applicable (N/A)

Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details described below

Additional Details:

Cell#1 N 63-45-816
W 068-32-667

Cell #2 N 63-45-825
W068-32-708

These coordinates are to center of cells
Corner locations are included in attachment.

Cell#3 N 63-45-828
W068-32-738

Cell #4 N 63-45-781
W 068-32-705

This cell was added as a temporary storage cell but as we worked into the project it developed into full scale cell as construction proceeded.

Results of any additional sampling and/or analysis that was requested by an Inspector

No additional sampling requested by an Inspector or the Board

Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

No additional sampling requested by an Inspector or the Board

Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

No inspection and/or compliance report issued by INAC

Additional Details: (Dates of Report, Follow-up by the Licensee)

Any additional comments or information for the Board to consider

November of 2008 after a change in Management, Franz Environmental was contracted to install 4 new Monitoring wells around the permiter of the landfarm
In order to fit the new overflow cell we removed one of the test wells
this well was installed as MW08-4. new mapping refered to as WM6

Date Submitted:	Jan 19th 2011	
Submitted/Prepared by:	Nunatta Environmental Services Inc, Iqaluit,Nu	
Contact Information:	**Tel:**	867-979-1488
	Fax:	867-979-1478
	email:	nunatta@northwestel.net

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec

Nunatta Environmental Services Inc.
P.O. Box 267
Iqaluit, NU X0A 0H0

Tel: (867) 979-1488
Fax: (867) 979-1478

Recept of Oil - impacted Soils
By Client & Job
as at 31/12/09

Date of Invoice	Customer	Job #	Details (Cu. Mtrs. Received)
Jan 30/09	NP REIT	08-850	26.0
August 6/09	Meeka Mike	09-851-2	70.4
Oct 28/09	GN I Finance	09-900	54.0
Sept 18/09	Neevee Wilkins	09-901	7.0
Oct 1/09	NorhwesTel	09-904	17.0
April 07/09	NP REIT	09-906	108.0
Dec 31/09	City of Iqaluit	09-907	159.4
Oct 23/09	NorhwesTel	09-908	4.0
Oct 28/09	NP REIT	09-910	49.3
Oct 28/09	Frosty Refriger.	09-914	82.5
Oct 28/09	Chris Thomas	09-917	46.0
Nov 8/09	Qikiqtaaluk C.	09-921	158.2
Dec 31/09	Lena Evic-Twerdin	09-926	86.0
Dec 31/09	NPREIT	09-934	13.5
Dec 31/09	City of Iqaluit	09-935	90.0
Oct 7/09	City of Iqaluit	09-939	40.0
Oct 7/09	Kudlik Constr.	09-942	8.0
Dec 22/09	Qudlik Energy	09-943	2.0
Total Cubic Meters of Oil-impacted Soil Received:			**1,021.3**

 Prepared: 1/20/2011

Soil Remediation - Deferred Revenue Calculations
Annual Reconcilaition

Year Soil Reecived	Details (Cu. Mtrs. Received)	Average Price	Extended Price Per Invoice	Remediation Period: 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Liability at Y/E
2003	3919.6	$ 174.46	#######	#######	#######	#######	#######	#######	$ -	$ -	$ -	$ -	$ -	$ -	#######
2004	708	$ 289.27	#######	$ -	$ 40,960	$ 40,960	$ 40,960	$ 40,960	$ 40,960	$ -	$ -	$ -	$ -	$ -	#######
2005	377.8	$ 198.01	$ 74,800	$ -	$ -	$ 14,960	$ 14,960	$ 14,960	$ 14,960	$ 14,960	$ -	$ -	$ -	$ -	#######
2006	164.0	$ 212.47	$ 34,845	$ -	$ -	$ -	$ 6,969	$ 6,969	$ 6,969	$ 6,969	$ 6,969	$ -	$ -	$ -	#######
2007	525.1	$ 248.86	#######	$ -	$ -	$ -	$ -	$ 26,132	$ 26,132	$ 26,132	$ 26,132	$ 26,132	$ -	$ -	#######
2008	1077.3	$ 250.19	#######	$ -	$ -	$ -	$ -	$ -	$ 53,903	$ 53,903	$ 53,903	$ 53,903	$ 53,903	$ -	#######
2009	1021.3	$ 250.00	#######	$ -	$ -	$ -	$ -	$ -	$ -	$ 51,065	$ 51,065	$ 51,065	$ 51,065	$ 51,065	#######
Totals	**5694.4**	**$198.25**	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	**$51,065**	

Year-end Balances:

2003:

Total Revenue for Year:	#######	
Revenue Applicabale to 2003:	########	Yr 1
Deferred Revenue at Year-end - 2003:	#######	**Agreed to Balance Sheet**

2004:

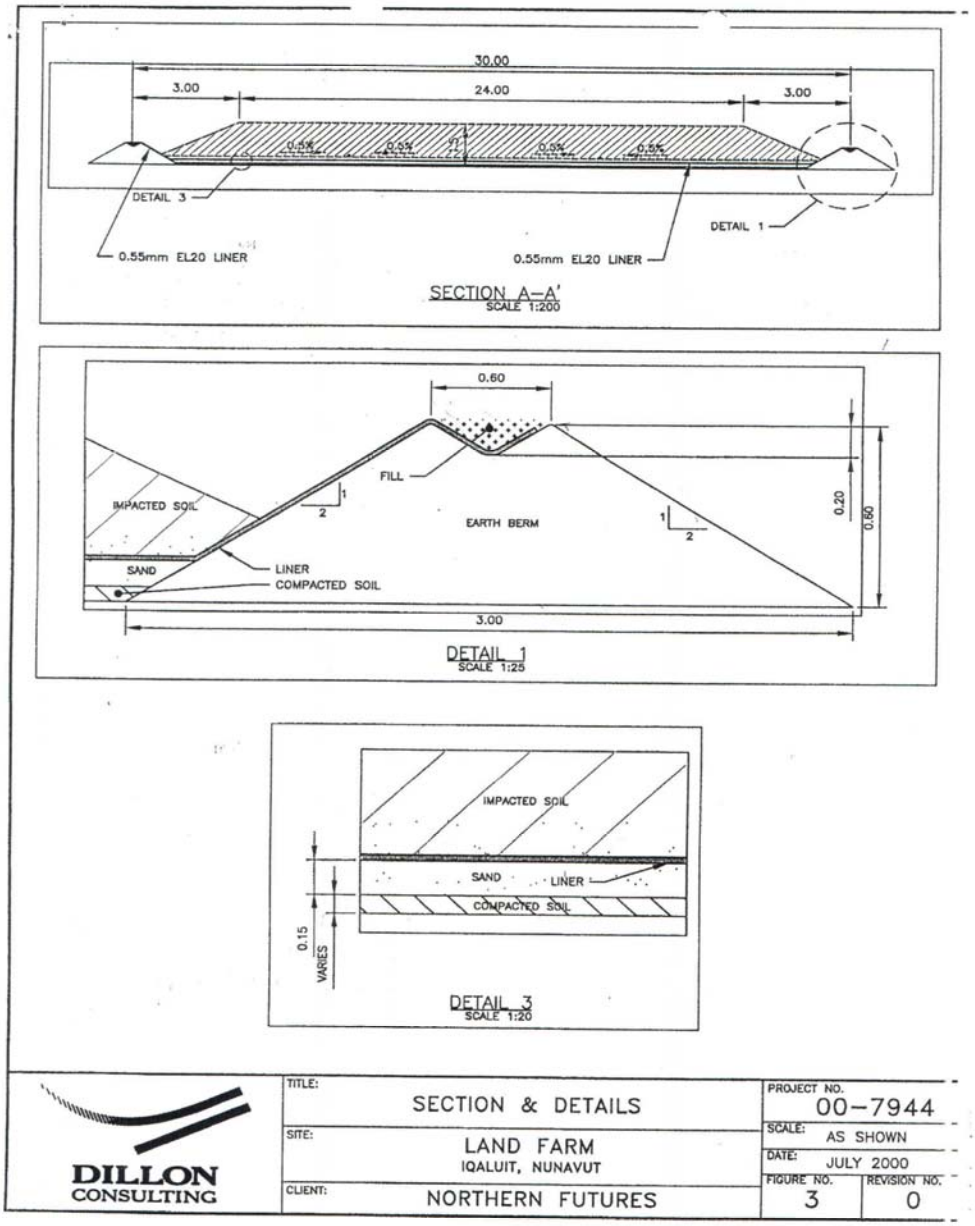
Opening Balance from Previous Year:	#######	
Less Revenue Applicable to Year 2003	########	Yr 2
Plus Revenue for 2004	#######	
Less Revenue Applicable to Year 2004	-$ 40,960	Yr 1
Deferred Revenue at Year-end - 2004:	#######	**Agreed to Balance Sheet**

2005:

Opening Balance from Previous Year:	#######	
Less Revenue Applicable to Year 2003	########	Yr 3
Less Revenue Applicable to Year 2004	-$ 40,960	Yr 2
Plus Revenue for 2005	$ 74,800	
Less Revenue Applicable to Year 2005	-$ 14,960	Yr 1
Deferred Revenue at Year-end - 2005:	#######	**Agreed to Balance Sheet**

Nunatta Environmental Services Inc.
Soil Remediation - Deferred Revenue Calculations
Annual Reconcilaition

2006:	**Opening Balance from Previous Year:**	#######	
	Less Revenue Applicable to Year 2003	########	Yr 4
	Less Revenue Applicable to Year 2004	-$ 40,960	Yr 3
	Less Revenue Applicable to Year 2005	-$ 14,960	Yr 2
	Plus Revenue for 2006	$ 34,845	
	Less Revenue Applicable to Year 2006	-$ 6,969	Yr 1
	Deferred Revenue at Year-end - 2006:	**#######**	**Agreed to Balance Sheet**
2007:	**Opening Balance from Previous Year:**	#######	
	Less Revenue Applicable to Year 2003	########	Yr 5
	Less Revenue Applicable to Year 2004	-$ 40,960	Yr 4
	Less Revenue Applicable to Year 2005	-$ 14,960	Yr 3
	Less Revenue Applicable to Year 2006	-$ 6,969	Yr 2
	Plus Revenue for 2007	#######	
	Less Revenue Applicable to Year 2007	-$ 26,132	Yr 1
	Deferred Revenue at Year-end - 2007:	**#######**	**Out of Balance by $1,000**
2008:	**Opening Balance from Previous Year:**	#######	
	Less Revenue Applicable to Year 2004	-$ 40,960	Yr 5
	Less Revenue Applicable to Year 2005	-$ 14,960	Yr 4
	Less Revenue Applicable to Year 2006	-$ 6,969	Yr 3
	Less Revenue Applicable to Year 2007	-$ 26,132	Yr 2
	Plus Revenue for 2008	#######	
	Less Revenue Applicable to Year 2008	-$ 53,903	Yr 1
	Deferred Revenue at Year-end - 2008:	**#######**	**Agreed to Balance Sheet**
2009:	**Opening Balance from Previous Year:**	#######	Yr 5
	Less Revenue Applicable to Year 2005	-$ 14,960	Yr 4
	Less Revenue Applicable to Year 2006	-$ 6,969	Yr 3
	Less Revenue Applicable to Year 2007	-$ 26,132	Yr 2
	Less Revenue Applicable to Year 2008	-$ 53,903	
	Plus Revenue for 2009	#######	
	Less Revenue Applicable to Year 2009	-$ 51,065	
	Deferred Revenue at Year-end - 2009:	**#######**	**Agreed to Balance Sheet**



This is a scanned copy of the original engineers drawings used in the construction of the new Cell #4
This design has proven to work very well here in the North with the soil types we have to work with.
All the Cells at Nunatta were constructed using this design and have proven very strong and stable.

During the warm months of 2009 we began the construction of an overflow cell.
This was in response to an unusual number of fuel tank ruptures in Iqaluit.
We began by digging out large rocks and putting down a layer of screened out material.

All work was monitored by Axel Have (P.eng)
Approved Cell construction drawings were Engineered by Dillon and have been the model used in constructing of all cells on Nunatta Landfarm as it has proven to be a good design for this northern location and soils we have to work with.
Length, Width and Grade was checked with the use of transit

Sand was brought in and put through a shaker to remove all rocks down to less than ½ inch

This was placed on an already smooth base and compacted,
then another layer added and compacted again.
Grade was corrected throughout this process.

Walls were constructed of waste rocks in bottom and soils that pack on top to make for firm walls

Excavator and loader used to carry materials and to pack walls tight

Small stones were raked out of inside cells and walls were covered with screened sand.
To complete the formation of cell containment area.

The whole area was raked and picked clean of any small debris that could puncture the liner.
The transition from floor to wall was shaped so as not to have sharp angle which could cause a rip

The opening in the end wall was to allow passage of man and machine.
We thought it best to keep access until liner was installed then fill in hole.
This position later became a ramp to allow access into cell.
One of two access points into cell #4

This is the new liner uncrated.
Total weight 2200 pounds or 1000Kg

Showing liner label.
This was adhered to side of roll.
Kept in file as proof of purchase

Unrolling of liner prior to unfolding across the width of the cell area

Shows length of cell area, liner unrolled and ready to unfold across the cell wall (left on photo)

First couple folds out.
Takes many hands to pull liner evenly into position.

Liner in position and placing of sand on top of walls underway to keep the wind from getting under liner
Equipment cannot drive on liner with out sand to aid in spreading out weight over larger area.
Plans call for 6 inches of compacted sand over liner.
We feel more than this is required and will add 16-18 inches.

Screening plant and stacker used to get sand into new cell without damaging the liner. Sand was shoveled out until no more sand was available. Completion of cell will continue Summer of 2010 when city will allow removal of more sand from pit.

Paracel Laborato	Client	Nunatta Environmental Services Inc.	
Certificate of Ana	Attention	Ivan Charalambij	
Work Order: 092	Reference	Preferred Supplier Pricing	
Report Date: 7/2(	Project Number	09-923	

Note: This is not the original data. Please refer to PDF / Hardcopy report.

Parameter	Units	MRL			
LAB ID			0929062-01	0929062-02	0929062-03
CLIENT ID			Cell 3 - 2009 -	Cell 3 - 2009 -	Cell 3 - 2009 - 3
DATE SAMPLED			09-Jul-09	09-Jul-09	09-Jul-09
DATE RECEIVED			14-Jul-09	14-Jul-09	14-Jul-09
MATRIX			Soil	Soil	Soil
% Solids	% by Wt.	0.1	91.3	91.1	89.2
Benzene	ug/g	0.03	<0.03	<0.03	<0.03
Ethylbenzene	ug/g	0.05	<0.05	0.05	0.06
Toluene	ug/g	0.05	0.05	0.07	0.06
m,p-Xylenes	ug/g	0.05	0.27	0.26	0.26
o-Xylene	ug/g	0.05	0.11	0.11	0.14
F1 PHCs (C6-C10)	ug/g	10	<10	<10	<10
F2 PHCs (C10-C16)	ug/g	10	1530	1640	1300
F3 PHCs (C16-C34)	ug/g	10	721	1030	991
F4 PHCs (C34-C50)	ug/g	10	83	50	92

Paracel Laboratories Ltd.
Certificate of Analysis
Work Order: 0929062
Report Date: 7/20/2009 1:41:41 PM

Client Nunatta Environmental Services Inc.
Attention Ivan Charalambij
Reference Preferred Supplier Pricing
Project Number 09-923

Note: This is not the original data. Please refer to PDF / Hardcopy report.

Parameter	Units	MRL			
LAB ID			0929062-01	0929062-02	0929062-03
CLIENT ID			Cell 3 - 2009 -	Cell 3 - 2009 -	Cell 3 - 2009 - 3
DATE SAMPLED			09-Jul-09	09-Jul-09	09-Jul-09
DATE RECEIVED			14-Jul-09	14-Jul-09	14-Jul-09
MATRIX			Soil	Soil	Soil
% Solids	% by Wt.	0.1	91.3	91.1	89.2
Benzene	ug/g	0.03	<0.03	<0.03	<0.03
Ethylbenzene	ug/g	0.05	<0.05	0.05	0.06
Toluene	ug/g	0.05	0.05	0.07	0.06
m,p-Xylenes	ug/g	0.05	0.27	0.26	0.26
o-Xylene	ug/g	0.05	0.11	0.11	0.14
F1 PHCs (C6-C10)	ug/g	10	<10	<10	<10
F2 PHCs (C10-C16)	ug/g	10	1530	1640	1300
F3 PHCs (C16-C34)	ug/g	10	721	1030	991
F4 PHCs (C34-C50)	ug/g	10	83	50	92

Work Order: 0938209 Preferred Supplier Pricing
Report Da Project Number 08-852

Note: This is not the original data. Please refer to PDF / Hardcopy report.

Parameter	Units	MRL									
LAB ID			0938209-01	0938209-02	0938209-03	0938209-04	0938209-05	0938209-06	0938209-07	0938209-08	0938209-09
CLIENT ID			Cell 1 - 09-1	Cell 1 - 09-2	Cell 1 - 09-3	Cell 2 - 09-1	Cell 2 - 09-2	Cell 2 - 09-3	Cell 3 - 09-1	Cell 3 - 09-2	Cell 3 - 09-3
DATE SAMPLED			15-Sep-09	15-Sep-09	15-Sep-09	15-Sep-09	15-Sep-09	15-Sep-09	15-Sep-09	15-Sep-09	15-Sep-09
DATE RECEIVED			17-Sep-09	17-Sep-09	17-Sep-09	17-Sep-09	17-Sep-09	17-Sep-09	17-Sep-09	17-Sep-09	17-Sep-09
MATRIX			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
% Solids	% by Wt.	0.1	91.5	92.9	95	92.4	92.1	91.8	89.1	89.4	93.1
Antimony	ug/g dry	1	<1	<1	<1	<1	<1	<1	<1	3	2
Arsenic	ug/g dry	1	1	1	1	<1	<1	<1	<1	<1	<1
Barium	ug/g dry	10	31	26	31	33	29	31	50	46	36
Beryllium	ug/g dry	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron, available	ug/g dry	0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	ug/g dry	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	ug/g dry	5	23	25	25	24	27	26	26	26	26
Chromium (VI)	ug/g dry	0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Cobalt	ug/g dry	1	5	5	5	6	5	5	8	8	6
Copper	ug/g dry	5	12	12	11	14	12	13	25	30	15
Iron	ug/g dry	200	24800	25800	26000	24900	27900	25300	26300	26800	27300
Lead	ug/g dry	1	21	26	15	14	12	17	20	9	33
Mercury	ug/g dry	0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	ug/g dry	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel	ug/g dry	5	8	8	8	9	9	9	11	11	9
Selenium	ug/g dry	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Silver	ug/g dry	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Thallium	ug/g dry	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tin	ug/g dry	5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vanadium	ug/g dry	10	48	52	54	48	59	54	60	66	58
Zinc	ug/g dry	20	47	48	41	47	45	52	54	50	45
F1 PHCs (C6-C10)	ug/g	10	<10	<10	22	<10	<10	<10	<10	<10	<10
F2 PHCs (C10-C16)	ug/g	10	1220	666	366	776	1050	849	1140	1670	1640
F3 PHCs (C16-C34)	ug/g	10	743	666	436	452	428	519	1410	1150	704
F4 PHCs (C34-C50)	ug/g	10	42	125	72	65	87	133	224	76	142

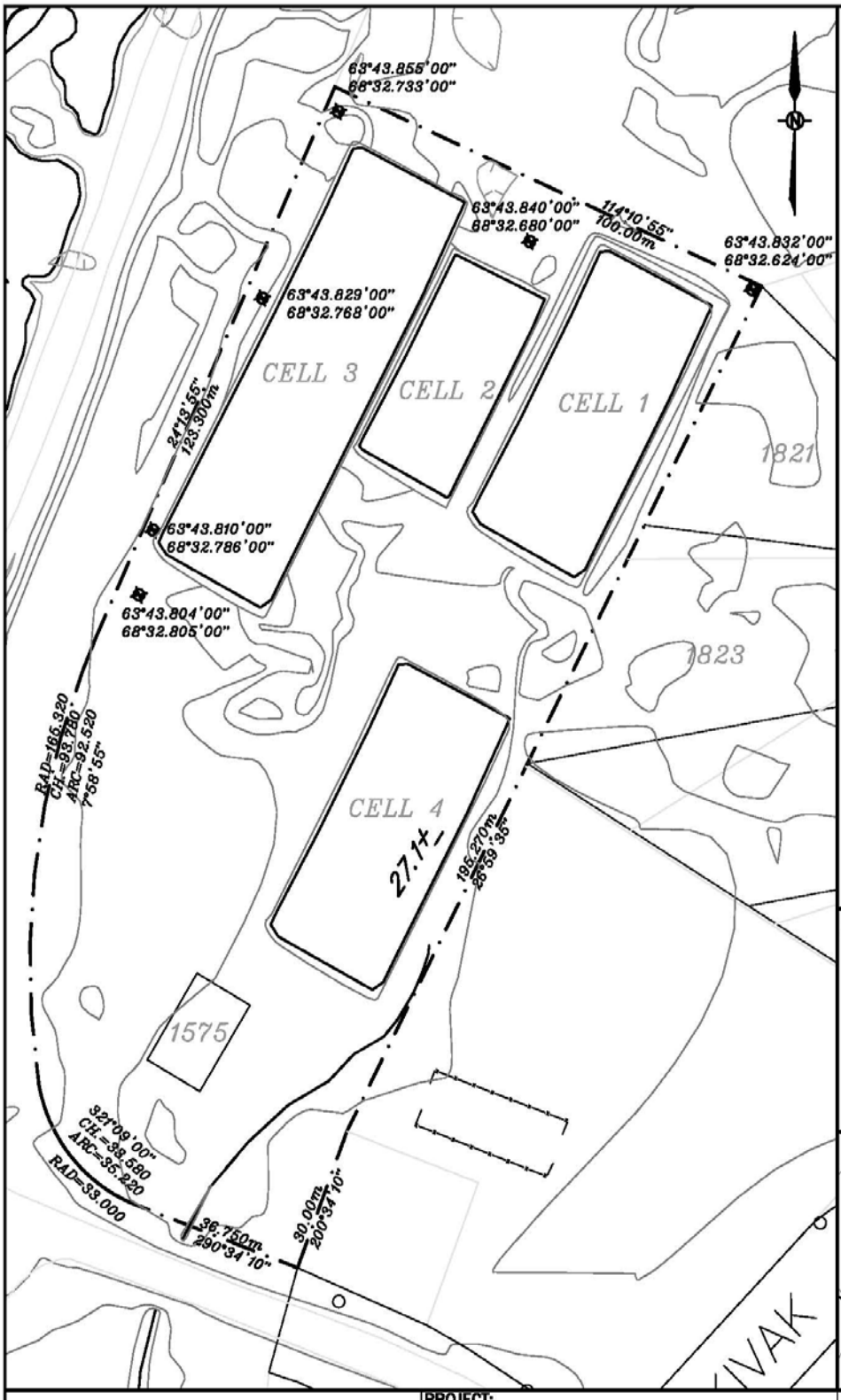
Paracel Laboratories Ltd.
Certificate of Analysis
Work Order: 0929063
Report Date: 7/20/2009 1:37:43

Client: Nunatta Environmental Services Inc.
Attention: Ivan Charalambij
Reference: Preferred Supplier Pricing
Project Number: 09-923

Note: This is not the original data. Please refer to PDF / Hardcopy report.

	Parameter	Units	MRL	
LAB ID				0929063-01
CLIENT ID				MW08 - 04
DATE SAMPLED				13-Jul-09
DATE RECEIVED				14-Jul-09
MATRIX				Water
	Aluminum	ug/L	10	942
	Antimony	ug/L	1	<1
	Arsenic	ug/L	10	<10
	Barium	ug/L	10	14
	Boron	ug/L	50	<50
	Cadmium	ug/L	1	<1
	Calcium	ug/L	200	41300
	Chromium	ug/L	50	<50
	Copper	ug/L	5	7
	Iron	ug/L	200	1310
	Lead	ug/L	1	<1
	Manganese	ug/L	50	<50
	Mercury	ug/L	0.1	<0.1
	Selenium	ug/L	5	<5
	Sodium	ug/L	200	3690
	Uranium	ug/L	5	<5
	Zinc	ug/L	20	<20
	Benzene	ug/L	0.5	<0.5
	Bromodichloromethane	ug/L	0.4	<0.4
	Bromoform	ug/L	0.5	<0.5
	Bromomethane	ug/L	0.7	<0.7
	Carbon Tetrachloride	ug/L	0.5	<0.5
	Chlorobenzene	ug/L	0.4	<0.4
	Chloroethane	ug/L	1	<1.0
	Chloroform	ug/L	0.5	<0.5
	Chloromethane	ug/L	3	<3.0
	Dibromochloromethane	ug/L	0.5	<0.5
	1,2-Dibromoethane	ug/L	1	<1.0
	1,2-Dichlorobenzene	ug/L	0.4	<0.4
	1,3-Dichlorobenzene	ug/L	0.4	<0.4
	1,4-Dichlorobenzene	ug/L	0.4	<0.4
	1,1-Dichloroethane	ug/L	0.5	<0.5
	1,2-Dichloroethane	ug/L	0.5	<0.5
	1,1-Dichloroethylene	ug/L	0.5	<0.5
	cis-1,2-Dichloroethylene	ug/L	0.4	<0.4
	trans-1,2-Dichloroethylene	ug/L	1	<1.0
	1,2-Dichloropropane	ug/L	0.5	<0.5
	cis-1,3-Dichloropropylene	ug/L	0.4	<0.4
	trans-1,3-Dichloropropylene	ug/L	0.5	<0.5
	Ethylbenzene	ug/L	0.5	<0.5
	Methylene Chloride	ug/L	4	<4.0
	Styrene	ug/L	0.4	<0.4

1,1,1,2-Tetrachloroethane	ug/L	0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/L	0.6	<0.6
Tetrachloroethylene	ug/L	0.5	<0.5
Toluene	ug/L	0.5	<0.5
1,1,1-Trichloroethane	ug/L	0.4	<0.4
1,1,2-Trichloroethane	ug/L	0.6	<0.6
Trichloroethylene	ug/L	0.4	<0.4
Trichlorofluoromethane	ug/L	1	<1.0
1,3,5-Trimethylbenzene	ug/L	0.5	<0.5
Vinyl chloride	ug/L	0.4	<0.4
m,p-Xylenes	ug/L	0.5	<0.5
o-Xylene	ug/L	0.5	<0.5
F2 PHCs (C10-C16)	ug/L	100	<100
F3 PHCs (C16-C34)	ug/L	100	<100
F4 PHCs (C34-C50)	ug/L	100	<100
Acenaphthene	ug/L	0.05	<0.05
Acenaphthylene	ug/L	0.05	<0.05
Anthracene	ug/L	0.01	<0.01
Benzo[a]anthracene	ug/L	0.01	<0.01
Benzo[a]pyrene	ug/L	0.01	<0.01
Benzo[b]fluoranthene	ug/L	0.05	<0.05
Benzo[g,h,i]perylene	ug/L	0.05	<0.05
Benzo[k]fluoranthene	ug/L	0.05	<0.05
Biphenyl	ug/L	0.05	<0.05
Chrysene	ug/L	0.05	<0.05
Dibenzo[a,h]anthracene	ug/L	0.05	<0.05
Fluoranthene	ug/L	0.01	<0.01
Fluorene	ug/L	0.05	<0.05
Indeno[1,2,3-cd]pyrene	ug/L	0.05	<0.05
1-Methylnaphthalene	ug/L	0.05	<0.05
2-Methylnaphthalene	ug/L	0.05	<0.05
Naphthalene	ug/L	0.05	<0.05
Phenanthrene	ug/L	0.05	<0.05
Pyrene	ug/L	0.01	<0.01
PCBs, total	ug/L	0.05	<0.05



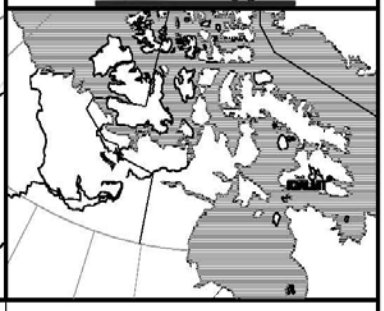
GENERAL NOTES:

1 ALL PROPERTY LINE BEARINGS AND DIMENSIONS HAVE BEEN PROVIDED BY THE CITY OF IQALUIT
2 CONTRACTOR IS TO REPORT IMMEDIATELY ANY DISCREPANCIES ON THE DRAWINGS TO THE ENGINEER.

LEGEND:

- PROPERTY LINE
- 9.95 EXISTING GRADE ELEVATION
- ELP EXISTING LIGHT POLE
- ENTRANCE/EXIT
- EPP EXISTING POWER POLE
- 9.00 PROPOSED GRADE ELEVATION
- NPP NEW LIGHT POLE
- WATER TEST WELLS

ALL SITE INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY OF:
LOT 1, BLOCK 229
SOURCE: CITY OF IQALUIT
LOT AREA = 20,233.27m²



1 / G3 AV PLAN
SCALE: 1:1200

PROJECT:
SITE SURVEY AND ELEVATIONS

LOT 1, BLOCK 229

CLIENT DEPARTMENT:
NUNATTA ENVIRONMENTAL INC.

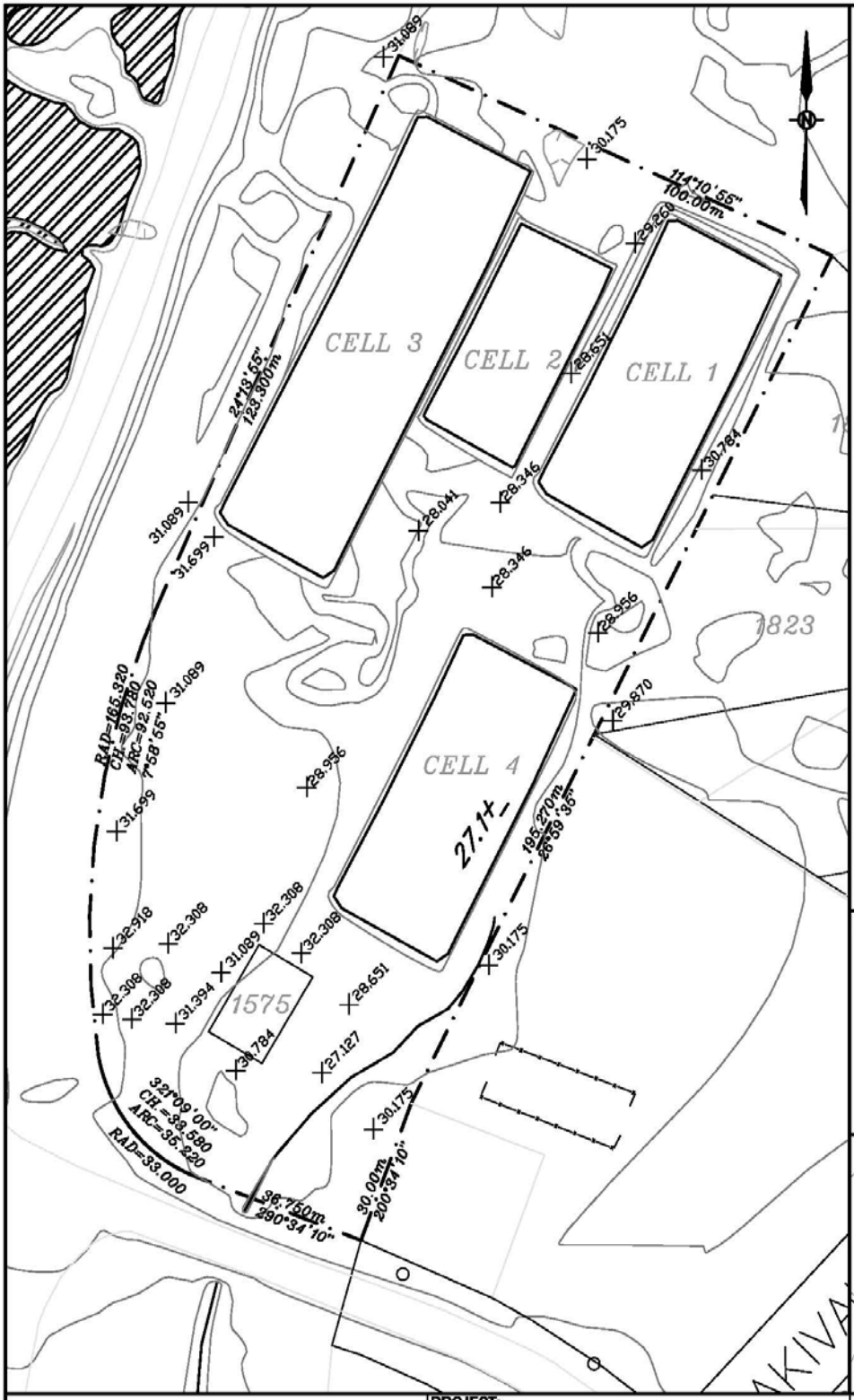
DATE:
OCTOBER 2009

COMMUNITY:
IQALUIT, NU

DRAWN BY:
T.STOKES

SPG.3

This is an over view of the land farm with
Overflow cell #4 in place.
Water Monitoring well #MW 6
(prevously refered to asMW 08-4)



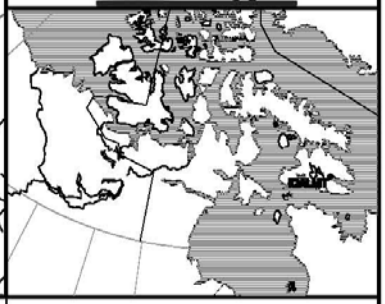
GENERAL NOTES:

1 ALL PROPERTY LINE BEARINGS AND DIMENSIONS HAVE BEEN PROVIDED BY THE CITY OF IQALUIT
2 CONTRACTOR IS TO REPORT IMMEDIATELY ANY DISCREPANCIES ON THE DRAWINGS TO THE ENGINEER.

LEGEND:

- PROPERTY LINE
- 9.85 EXISTING GRADE ELEVATION
- ELP EXISTING LIGHT POLE
- ENTRANCE/EXIT
- EPP EXISTING POWER POLE
- 1.00 PROPOSED GRADE ELEVATION
- NPP NEW LIGHT POLE
- WATER TEST WELLS
- PROXIMITY OF BODIES OF WATER

ALL SITE INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY OF:
LOT 1, BLOCK 229
SOURCE: CITY OF IQALUIT
LOT AREA = 20,229.27m²



1 / G4 ELEV. PLAN
SCALE: 1:1200

PROJECT: SITE SURVEY AND ELEVATIONS

LOT 1, BLOCK 229

CLIENT DEPARTMENT: NUNATTA ENVIRONMENTAL INC.

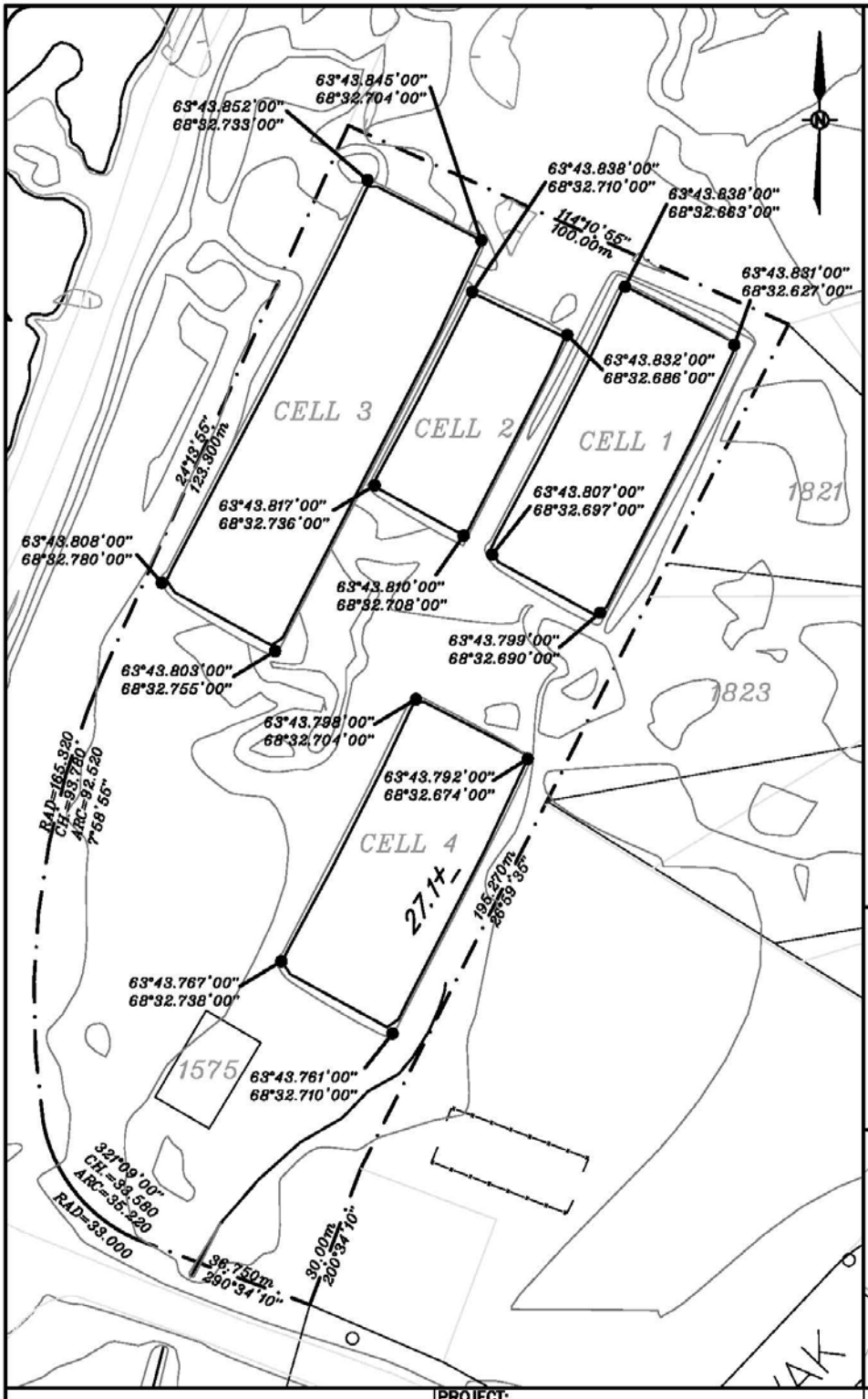
DATE: 2009

COMMUNITY: IQALUIT, NU

DRAWN BY: T.STOKES

SPG.4

Land farm elevations shown in meters



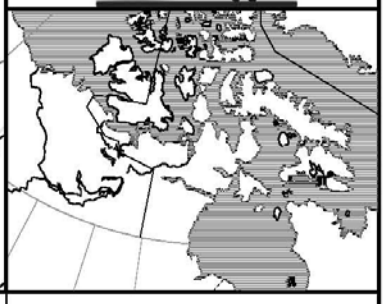
GENERAL NOTES:

1 ALL PROPERTY LINE BEARINGS AND DIMENSIONS HAVE BEEN PROVIDED BY THE CITY OF IQALUIT
2 CONTRACTOR IS TO REPORT IMMEDIATELY ANY DISCREPANCIES ON THE DRAWINGS TO THE ENGINEER.

LEGEND:

- PROPERTY LINE
- 9.85 EXISTING GRADE ELEVATION
- ELP EXISTING LIGHT POLE
- ENTRANCE/EXIT
- EPP EXISTING POWER POLE
- 11.00 PROPOSED GRADE ELEVATION
- NPP NEW LIGHT POLE
- WATER TEST WELLS

ALL SITE INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY OF:
LOT 1, BLOCK 229
SOURCE: CITY OF IQALUIT
LOT AREA = 20,233.27m²



1 / G6 GPS LOCATION
SCALE: 1:1200

PROJECT: SITE SURVEY AND ELEVATIONS

LOT 1, BLOCK 229

CLIENT DEPARTMENT: NUNATTA ENVIRONMENTAL INC.

DATE: 2009

COMMUNITY: IQALUIT, NU

DRAWN BY: T.STOKES

SPG.6

GPS coordinates of cell corners