



**2011 Annual Report
to the
Nunavut Water Board**

**Licensee: Department of National Defence,
Government of Canada**

Licence: 3BC-DYE0919– Type “B”

**Location: DYE-M North Warning System Site,
Cape Dyer, Qikiqtani Region, Nunavut**

**Report prepared by: Nasittuq Corporation,
27 March 2012**



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Cape Dyer, Qikiqtani Region, Nunavut

Report prepared by: Nasittuq Corporation,
27 March 2012

Executive Summary

This 2011 Annual Report to the Nunavut Water Board (NWB) is submitted as required by the licence issued 10 September 2009 3BC-DYE0919– Type “B”, Part B. General Conditions, paragraph 1.

DYE-M is an unattended (unmanned) North Warning System radar site at Cape Dyer, Nunavut. The site is visited quarterly for preventive maintenance inspections and as required for other work by Nasittuq staff based out of the Logistics Support Site - Iqaluit (LSS-Q), Iqaluit, Nunavut. The site was temporarily attended (manned) due to project activity in July and August.

A total of 118.1 cubic meters was drawn from the melt water source DYE-1(b). This is below the 1,440 cubic meters annually allowed by the licence. No water was taken from the water lake DYE-1(a).

Hazardous waste was removed from the site for disposal outside of Nunavut. The following waste was shipped to Recyclex, Montreal-Est, QC: 32 drums of assorted waste (fuel, oil, glycol, fuel filters, oil filters, etc.), 1 crate of batteries, 2 crates of assorted waste (fire extinguishers, treated wood), and 1 crate of 17 5-gallon pails of waste oil.

Nonhazardous domestic solid waste was flown out to the Logistics Support Site - Iqaluit and disposed of at Iqaluit’s landfill. Nasittuq had documented authorization from the community for receiving the waste.

The two sumps, one for each sewage outfall, were not pumped out therefore no samples were taken for laboratory analysis.



One outdoor spill occurred, NT-NU Spill Report # 11-344. One liter of waste oil leaked from a drum that was likely punctured by a forklift during positioning for pick up by sealift. The spill was cleaned up immediately.

The Spill Contingency Plan was not revised.

Introduction

This 2011 Annual Report to the Nunavut Water Board (NWB) is submitted as required by the licence issued 10 September 2009 3BC-DYE0919– Type “B”, Part B. General Conditions, paragraph 1.

DYE-M is an unattended (unmanned) North Warning System radar site at Cape Dyer, Nunavut. The site is visited quarterly for preventive maintenance inspections and as required for other work by Nasittuq staff based out of the Logistics Support Site - Iqaluit (LSS-Q), Iqaluit, Nunavut. The site was temporarily attended (manned) due to project activity in July and August.

Water Drawn from DYE-1(b)

A total of 118.1 cubic meters was drawn from the melt water water source DYE-1(b). This is below the 1,440 cubic meters annually allowed by the licence. No water was taken from the water lake DYE-1(a). See Table 1 below for the volume of raw water drawn.

Table 1. Monthly and annual raw water drawn at DYE-M.

Month	Raw water drawn in cubic meters (m³)
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	79.5
September	38.6
October	0
November	0
December	0
TOTAL	118.1

Hazardous Waste and Waste Oil Disposal

Hazardous waste and waste oil were sent to an approved hazardous waste disposal site outside of Nunavut as required by the licence. The waste was sent to Recyclex, 8381 Place Marien, Montreal-Est, QC, H1B 5W6. The waste receiver number for Recyclex is 7610-06-01-01723111-40086392.

See Table 2 below for the list of items sent for disposal.

See **Annex A** for the shipping documents: the completed movement documents for waste regulated under the Transportation of Dangerous goods Regulations (TDGR) and Nasittuq manifests for nonregulated wastes.

Table 2. Summary of waste sent for disposal from DYE-M.

Site	Description, TDG shipping name	Quantity	Movement Document or Nasittuq Manifest #
DYE-M	Waste batteries, wet, filled with acid	1 crate	Mov. Doc. 2464240-7
DYE-M	Waste aerosols	1 drum	Mov. Doc. 2464325-6
DYE-M	Waste fuel filters	1 drum	Mov. Doc. 2464325-6
	Waste environmentally hazardous substance, n.o.s. (fuel, aviation, turbine engine)		
DYE-M	Waste paint related material	1 drum	Mov. Doc. 2464325-6
DYE-M	Waste fuel	6 drums	Mov. Doc. 2464326-4
	Waste fuel, aviation, turbine engine		
DYE-M	Waste fuel mixture (tank bottom water/tank cleaning effluent)	6 drums	Mov. Doc. 2464326-4
	Waste fuel, aviation, turbine engine mixture		
DYE-M	Waste oily rags	2 drums	Mov. Doc. 2464326-4
	Waste solids containing flammable liquid, n.o.s. (fuel, aviation, turbine engine)		

Table 2. Summary of waste sent for disposal from DYE-M (continued)

Site	Description, TDG shipping name	Quantity	Movement Document or Nasittuq Manifest #
DYE-M	Waste oil	12 drums	Nas. Man. 26524, 26525, 26526
DYE-M	Waste treated wood	1 crate	Nas. Man. 26541
DYE-M	Waste oil filters	2 drums	Nas. Man. 26541, 26544
DYE-M	Waste glycol	1 drum	Nas. Man. 26544
DYE-M	Waste oil (5-gallon pail)	1 crate of 17 pails	Nas. Man. 26549
DYE-M	Waste fire extinguisher	1 crate	Nas. Man. 26552

Nonhazardous Solid Waste Disposal

Nonhazardous domestic solid waste was flown out to the Logistics Support Site - Iqaluit and disposed of at Iqaluit's landfill. Nasittuq has documented authorization from the community for receiving the waste. See Table 3 below for the quantity of waste generated.

Table 3. Monthly and annual nonhazardous domestic solid waste sent for disposal from DYE-M.

Month	Waste generated (kg)
January	410
February	396
March	179
April	0
May	0
June	0
July	0
August	220
September	180
October	140
November	151
December	214
TOTAL	1,890

Monitoring Program

See **Annex B** for the location of the sewage effluent outfall, DYE-2, with GPS co-ordinates. Two sumps, one for each sewage outfall, were built in 2010.

Annex C is blank. The two sumps, one for each sewage outfall, were not pumped out therefore no samples were taken for laboratory analysis.

See **Annex D** for the list of bermed fuel storage facilities, DYE-3, with GPS co-ordinates.

See **Annex E** for the analysis of berm water (water contained in the berms of fuel storage facilities). The results were confirmed to be within effluent quality limits before the water was pumped out of the berms.

Spills (Unauthorized Discharges)

One outdoor spill occurred. It is listed in Table 4 below.

Table 4. Outdoor spill at DYE-M.

Date, Spill #	Product	Quantity	Cause and follow-up action	Location at DYE-M
21 Aug 2011, Spill # 11-344	Waste oil	1 liter	A small hole was found in a drum of waste oil. Staff suspect that the drum was damaged by the fork lift when moving the pallet of drums of waste oil to prepare it to be shipped south to a hazardous waste disposal facility. Oil was cleaned from the pallet using absorbents. Used absorbents and contaminated ground were placed in a container to be disposed of at a hazardous waste disposal facility outside of Nunavut. The contents of the damaged drum were pumped into a new drum.	Beach, landing area for sealift



Revisions to the Spill Contingency Plan

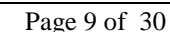
The Spill Contingency Plan was not revised

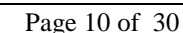
Progressive reclamation work undertaken

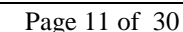
None undertaken.

Annex A

2011 Movement documents for regulated waste and Nasittuq manifests for non-regulated waste.









NASITTUQ MANIFEST

Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7

NON NEGOTIABLE

Filled By: PSHEPPARD		Date: Aug 17, 2011 8:59 AM		TCN-26524			
Ship To: RECYCLEX INC. 8381 PLACE MARIEN MONTREAL, QC, H1B 5W6 CA 514-355-4150			From: DYE-M, CAPE DYER, DND Storeroom Nasittuq Corporation, NWS LSS Iqaluit, P.O. Box 1089 Iqaluit, NU, X0A 0H0 867-979-4818		Priority 0		
Attention:				Attention:			
Carrier: NEAS		Routing: 48X48X40		Waybill #:	Total Pcs. 1		
				Total Weight: 550 KG			
QTY	Type	Line	Item	Description	WO or PO	B/Code or S/N	Remarks
Order <td></td> <td>Weight</td> <td></td> <td></td> <td></td> <td></td> <td></td>		Weight					
4.0			2002406	WASTE - OIL (45 GALLON DRUM)			ASSET 310018,310016,317455,317434
NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.							
Received By:				Date			
Received By:				Date			

29-Feb-2012 1:49 PM



NASITTUQ MANIFEST

Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7

NON NEGOTIABLE

Filled By: PSHEPPARD	Date: Aug 17, 2011 9:03 AM	TCN-26525
Ship To: RECYCLEX INC. 8381 PLACE MARIEN MONTREAL, QC, H1B 5W6 CA 514-355-4150		From: DYE-M, CAPE DYER, DND Storeroom Nasittuq Corporation, NWS LSS Iqaluit, P.O. Box 1089 Iqaluit, NU, X0A 0H0 867-979-4818
		Priority <div style="font-size: 2em; font-weight: bold;">0</div>

Attention:	Attention:	
Carrier: NEAS	Routing: 48X48X40	Waybill #: Total Pcs.: 1 Total Weight: 495 KGKG

QTY	Type	Line	Item	Description	WO or PO	B/Code or S/N	Remarks
Order		Weight					
4.0			2002406	WASTE - OIL (45 GALLON DRUM)			ASSET 310017,310015,318486,318487

NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.

Received By:	Date
Received By:	Date

29-Feb-2012 1:50 PM



NASITTUQ MANIFEST

Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7

NON NEGOTIABLE

Filled By: PSHEPPARD		Date: Aug 17, 2011 9:05 AM		TCN-26526	
Ship To: RECYCLEX INC. 8381 PLACE MARIEN MONTREAL, QC, H1B 5W6 CA 514-355-4150			From: DYE-M, CAPE DYER, DND Storeroom Nasittuq Corporation, NWS LSS Iqaluit, P.O. Box 1089 Iqaluit, NU, X0A 0H0 867-979-4818		Priority <div style="font-size: 2em; text-align: center;">0</div>

Attention:		Attention:	
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Carrier:	Routing:	Waybill #:	Total Pcs.	Total Weight:
NEAS	48X48X40		1	485 KGKGKG

QTY	Type	Line	Item	Description	WO or PO	B/Code or S/N	Remarks
Order		Weight					
4.0			2002406	WASTE - OIL (45 GALLON DRUM)			ASSET 317989 / 317991 / 317990 / 317992

NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.

Received By:	Date
Received By:	Date

29-Feb-2012 1:51 PM



NASITTUQ MANIFEST

Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7

NON NEGOTIABLE

Filled By: PSHEPPARD		Date: Aug 17, 2011 6:31 PM		TCN-26541	
Ship To: RECYCLEX INC. 8381 PLACE MARIEN MONTREAL, QC, H1B 5W6 CA 514-355-4150			From: DYE-M, CAPE DYER, DND Storeroom Nasittuq Corporation, NWS LSS Iqaluit, P.O. Box 1089 Iqaluit, NU, X0A 0H0 867-979-4818		Priority <div style="font-size: 2em; font-weight: bold; margin: 10px 0;">0</div>
Attention:		Attention:			
Carrier: NEAS		Routing: 48X48X40		Waybill #:	
				Total Pcs. 1	
				Total Weight: 250 kg	

QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N	Remarks
1.0			2002356	WASTE - OIL FILTERS (DRUM)			asset 310022
1.0			2012227	WASTE - TREATED WOOD			asset 309890

NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.

Received By:	Date
Received By:	Date

29-Feb-2012 1:52 PM



NASITTUQ MANIFEST

Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7

NON NEGOTIABLE

Filled By: PSHEPPARD	Date: Aug 17, 2011 6:44 PM	TCN-26544
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Ship To: RECYCLEX INC. 8381 PLACE MARIEN MONTREAL, QC, H1B 5W6 CA 514-355-4150	From: DYE-M, CAPE DYER, DND Storeroom Nasittuq Corporation, NWS LSS Iqaluit, P.O. Box 1089 Iqaluit, NU, X0A 0H0 867-979-4818	Priority <div style="font-size: 2em; font-weight: bold;">0</div>
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Attention:	Attention:
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Carrier:	Routing:	Waybill #:	Total Pcs.	Total Weight:
NEAS			1	225 KG

QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N	Remarks
1.0			2002344	WASTE - GLYCOL (DRUM)			ASSET 310020
1.0			2002356	WASTE - OIL FILTERS (DRUM)			ASSET 317433

NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.

Received By:	Date
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Received By:	Date
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29-Feb-2012 1:53 PM



NASITTUQ MANIFEST

Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7

NON NEGOTIABLE

Filled By: PSHEPPARD	Date: Aug 18, 2011 1:07 PM	TCN-26549
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Ship To: RECYCLEX INC. 8381 PLACE MARIEN MONTREAL, QC, H1B 5W6 CA 514-355-4150	From: DYE-M, CAPE DYER, DND Storeroom Nasittuq Corporation, NWS LSS Iqaluit, P.O. Box 1089 Iqaluit, NU, X0A 0H0 867-979-4818	Priority 0
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Attention:		Attention:	
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Carrier:	Routing:	Waybill #:	Total Pcs.	Total Weight:
NEAS	45x45x40		1	425 kg

QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N	Remarks
1.0			2003658	WASTE - OIL (5 GALLON PAIL)			asset 309784/309786/309792/ 309777/309795/309789/309783/ 309785/309796/309790/309782/ 309794/318499/318500/318501/ 318502/3188503

NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.

Received By:	Date
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Received By:	Date
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29-Feb-2012 1:53 PM



NASITTUQ MANIFEST

Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7

NON NEGOTIABLE

Filled By: PSHEPPARD		Date: Aug 18, 2011 6:26 PM		TCN-26552	
Ship To: RECYCLEX INC. 8381 PLACE MARIEN MONTREAL, QC, H1B 5W6 CA 514-355-4150			From: DYE-M, CAPE DYER, DND Storeroom Nasittuq Corporation, NWS LSS Iqaluit, P.O. Box 1089 Iqaluit, NU, X0A 0H0 867-979-4818		Priority 0

Attention:		Attention:		
Carrier: NEAS	Routing: 24x36x30	Waybill #:	Total Pcs.: 1	Total Weight: 145 kg

QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N	Remarks
4.0			1060664	EXTINGUISHER,FIRE,DRY CHEMICAL			asset 127569/127570/127571/ 127572
3.0			1009310	EXTINGUISHER,FIRE,DRY CHEMICAL			asset 117838/117839/117841

NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.

Received By:	Date
Received By:	Date

29-Feb-2012 1:54 PM

Annex B

DYE-M - Sewage Outfall Location (DYE-2) with GPS Co-ordinates



Annex C

**This Annex has been left blank intentionally.
(The two sumps, one for each sewage outfall, were not pumped out therefore no
samples were taken for laboratory analysis.)**

Annex D

DYE-M - Bermed Fuel Storage Facilities with GPS Co-ordinates

Licence	Location	Monitoring Station # (Final Discharge Point of Bermed Fuel Storage Facility)	Berm's Location On- site	Berm's GPS Co-ordinates
3BC-DYE0919 Type "B"	DYE-M North Warning System Site, Cape Dyer, Qikiqtani Region, Nunavut	DYE-3	- Summit (behind PGS building) - Berm of tank W20A	66° 40' 00" N 61° 21' 27" W
			- Summit behind 'B' train - Berm of tanks W22K, W22J, W22I, and W20B	66° 39' 54" N 61° 21' 25" W



Annex E

DYE-M - Analysis of Berm Water (Effluent from Bermed Fuel Storage Facilities)



12 July 2011
Summit (behind PGS building), Berm of Tank W20A
Page 1 of 4

EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1115961
Date: 2011-07-19
Date Submitted: 2011-07-15

Project: DYE - Main

P.O. Number:
Matrix: Water

Chain of Custody Number: 117693

			LAB ID:	898367						GUIDELINE		
			Sample Date:	2011-07-12								
			Sample ID:	DM - W20 A								
PARAMETER	UNITS	MRL								TYPE	LIMIT	UNITS
pH				6.38								
Phenols	mg/L	0.001		<0.001								
Arsenic	mg/L	0.05		<0.05								
Mercury	mg/L	0.0001		<0.0001								
Zinc	mg/L	0.05		<0.05								

MRL - Method Reporting Limit INC - Incomplete AO - Aesthetic Objective OG - Operational Guideline MAC - Maximum Allowable Concentration IMAC - Interim Maximum Allowable Concentration

Comment:

Metals analysis performed on aqua-regia digest of sample material.

APPROVAL:

Ewan McRobbie
Inorganic Lab Supervisor

Methods references and/or additional QA/QC information available on request.

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

1 of 1

Results relate only to the parameters tested on the samples submitted.



12 July 2011
Summit (behind PGS building), Berm of Tank W20A
Page 2 of 4

EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1115981
Date: 2011-07-19
Date Submitted: 2011-07-15

Project: DYE - Main

P.O. Number:
Matrix: Water

Chain of Custody Number: 117693

			LAB ID:	996367						GUIDELINE		
			Sample Date:	2011-07-12								
			Sample ID:	DM - W20 A								
PARAMETER	UNITS	MRL								TYPE	LIMIT	UNITS
Polychlorinated Biphenyls - PCBs	ug/L	0.1		<0.1								
Polychlorinated Biphenyls (PCBs)												

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration
Comment:

Methods references and/or additional QA/QC information available on request.

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

1 of 1

APPROVAL:

Mina Nasirai
Organic Lab Supervisor

Results relate only to the parameters tested on the samples submitted.



12 July 2011
Summit (behind PGS building), Berm of Tank W20A
Page 3 of 4

EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1115961
Date: 2011-07-19
Date Submitted: 2011-07-15

Project: DYE - Main

P.O. Number:
Matrix: Water

Chain of Custody Number: 117693

			LAB ID:	896367							
			Sample Date:	2011-07-12							
			Sample ID:	DM - W20 A							
			GUIDELINE								
PARAMETER	UNITS	MRL								TYPE	LIMIT
VOLATILE ORGANIC COMPOUNDS - VOCs											
Benzene	ug/L	0.5	<0.5								
Ethylbenzene	ug/L	0.5	<0.5								
Toluene	ug/L	0.5	<0.5								
VOC SURROGATES											
Toluene-d8	%		102								
Oil & Grease											
Oil & Grease - Total	mg/L	1	<1								

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL:

Mina Nasirai
Organic Lab Supervisor

Methods references and/or additional QA/QC information available on request.

8-148 Colonnade Road, Ottawa, ON, K2E 7Y1

1 of 1

Results relate only to the parameters tested on the samples submitted.



12 July 2011
Summit (behind PGS building), Berm of Tank W20A
Page 4 of 4

EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1115960
Date: 2011-07-19
Date Submitted: 2011-07-15

Project: DYE - Main

P.O. Number:
Matrix: Water

Chain of Custody Number: 117693

			LAB ID:	896366						GUIDELINE		
			Sample Date:	2011-07-12								
			Sample ID:	BM - W20 A								
PARAMETER	UNITS	MRL								TYPE	LIMIT	UNITS
Cadmium	mg/L	0.0001		<0.0001								
Chromium	mg/L	0.001		<0.001								
Cobalt	mg/L	0.0002		<0.0002								
Copper	mg/L	0.001		0.004								
Lead	mg/L	0.001		<0.001								
Nickel	mg/L	0.005		<0.005								

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL:

Ewan McRobbie
Inorganic Lab Supervisor

Methods references and/or additional QA/QC information available on request.

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

1 of 1

Results relate only to the parameters tested on the samples submitted.



20 July 2011

Summit (behind 'B' train), Berm of Tank W22K, W22J, W22I, and W20B

Page 1 of 4

EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1116724
Date: 2011-08-03
Date Submitted: 2011-07-25

Project: Dye-Main

P.O. Number:
Matrix: Wastewater

Chain of Custody Number: 132943

			LAB ID:	898307							
			Sample Date:	2011-07-20							
			Sample ID:	DM-W22JK W20B							
PARAMETER	UNITS	MRL							TYPE	LIMIT	UNITS
pH				6.30							
Phenols	mg/L	0.001		<0.001							
Arsenic	mg/L	0.05		<0.05							
Mercury	mg/L	0.0001		<0.0001							
Zinc	mg/L	0.05		0.10							

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

Metals analysis performed on aqua-regia digest of sample material due to solids present in sample. MRLs may be elevated.

APPROVAL:

Ewan McRobbie
Inorganic Lab Supervisor

Methods references and/or additional QA/QC information available on request.

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

1 of 1

Results relate only to the parameters tested on the samples submitted.



20 July 2011

Summit (behind 'B' train), Berm of Tank W22K, W22J, W22I, and W20B

Page 2 of 4

EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1116724
Date: 2011-08-03
Date Submitted: 2011-07-25

Project: Dye-Main

P.O. Number:
Matrix: Wastewater

Chain of Custody Number: 132943

			LAB ID:	898307						GUIDELINE		
			Sample Date:	2011-07-20								
			Sample ID:	DM-W22JK W20B								
PARAMETER	UNITS	MRL								TYPE	LIMIT	UNITS
Polychlorinated Biphenyls - PCBs	ug/L	0.1		<0.1								
Polychlorinated Biphenyls (PCBs)												

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL:

Mina Nasirai
Organic Lab Supervisor

Methods references and/or additional QA/QC information available on request.

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

1 of 1

Results relate only to the parameters tested on the samples submitted.



20 July 2011

Summit (behind 'B' train), Berm of Tank W22K, W22J, W22I, and W20B

Page 3 of 4

EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1116724
Date: 2011-08-03
Date Submitted: 2011-07-25

Project: Dye-Main

P.O. Number:
Matrix: Wastewater

Chain of Custody Number: 132943

			LAB ID:	898307							
			Sample Date:	2011-07-20							
			Sample ID:	DM-W22JK W20B							
PARAMETER	UNITS	MRL									GUIDELINE
VOLATILE ORGANIC COMPOUNDS - VOCs											
Benzene	ug/L	0.5	<0.5								
Ethylbenzene	ug/L	0.5	<0.5								
Toluene	ug/L	0.5	<0.5								
VOC SURROGATES											
Toluene-d8	%		119								
Oil & Grease											
Oil & Grease - Total	mg/L	1	<1								

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL:

Mina Nasirai
Organic Lab Supervisor

Methods references and/or additional QA/QC information available on request.

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

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Results relate only to the parameters tested on the samples submitted.



20 July 2011

Summit (behind 'B' train), Berm of Tank W22K, W22J, W22I, and W20B

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EXOVA ACCUTEST

REPORT OF ANALYSIS



Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave. West

Ottawa, ON
K1P 5V5

Attention: Ms. Barb Thomson

Report Number: 1116725
Date: 2011-07-28
Date Submitted: 2011-07-25

Project: Dye-Main

P.O. Number:
Matrix: Wastewater

Chain of Custody Number: 132943

			LAB ID:	898309							
			Sample Date:	2011-07-20							
			Sample ID:	DM-W22JK W20B							
PARAMETER	UNITS	MRL							TYPE	LIMIT	UNITS
Cadmium	mg/L	0.0001		<0.0001							
Chromium	mg/L	0.001		<0.001							
Cobalt	mg/L	0.0002		<0.0002							
Copper	mg/L	0.001		0.002							
Lead	mg/L	0.001		<0.001							
Nickel	mg/L	0.005		<0.005							

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

898309: Metals analysis performed on aqua-regia digest of sample material due to solids present in sample. MRLs may be elevated.

APPROVAL:

Ewan McRobbie
Inorganic Lab Supervisor

Methods references and/or additional QA/QC information available on request.

8-146 Colonnade Road, Ottawa, ON, K2E 7Y1

1 of 1

Results relate only to the parameters tested on the samples submitted.