



**2013 Annual Report
to the
Nunavut Water Board**

Licensee: Department of National Defence,
Government of Canada

Licence: 3BC-FOD0919 - Type "B"

Location: FOX-3 North Warning System Site,
Dewar Lakes, Qikiqtani Region, Nunavut

Report prepared by: Nasittuq Corporation,
23 March 2014



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Executive Summary

This 2013 Annual Report to the Nunavut Water Board (NWB) is submitted as required by the licence issued 10 September 2009 3BC-FOD0919 - Type "B", Part B. General Conditions, paragraph 1.

FOX-3 is an unattended (unmanned) North Warning System radar site at Dewar Lakes, Nunavut. The site is visited quarterly for preventive maintenance inspections and as required for other work by Nasittuq staff from FOX-M, Hall Beach, Nunavut.

The annual water usage was 40.6 cubic meters. This is below the annual maximum of 1,440 cubic meters allowed by the licence.

The water contained in the berms of fuel storage facilities was sent for laboratory analysis and confirmed to be within effluent quality limits before the water was pumped out of the berms.

Hazardous waste was flown from landlocked FOX-3 to FOX-M (radar site at Hall Beach) where it was loaded onto the sealift and sent for disposal outside of Nunavut. The waste went to Safety Kleen, 2730 boulevard Industriel, Chambly, QC, J3L 4V2. The waste was 33 drums of assorted waste (fuel and water mixture, oil, oily rags, oil filters, glycol, paint, fuel contaminated soil, etc.), 1 crate of waste paint, 1 crate of waste batteries, and 1 crate of fire extinguishers.

Nonhazardous domestic solid waste was flown out to FOX-M and disposed of through a contract with the Municipality of Hall Beach at the local landfill. Nasittuq has documented authorization from the community for receiving the waste.

The sump for the sewage outfall was not pumped out therefore no samples were taken for laboratory analysis.

Two outdoor spills occurred. The spills were:

- a. NT-NU Spill Line Report # 13-145. On 13 May 2013, a helicopter accident resulted in a spill of an estimated 903 L Jet A1 fuel, 12 L of oil, and 8.5 L hydraulic fluid. In June, the initial clean up of the snow covered accident site was done. In July, soil sampling was done. In August, contaminated soil was containerized for future disposal at a hazardous waste disposal facility outside of Nunavut.
- b. NT-NU Spill Line Report # 13-244. On 08 July 2013, about 16 L Jet A1 fuel sprayed while draining a hose that had been used to refuel a helicopter. The contaminated soil was containerized for future disposal outside of Nunavut.

The Spill Contingency Plan was revised. The Spill Response Flow Chart, the Emergency Contacts List, and the table of fuel tanks were updated.

Introduction

This 2013 Annual Report to the Nunavut Water Board (NWB) is submitted as required by the licence issued 10 September 2009 3BC-FOD0919 - Type "B", Part B. General Conditions, paragraph 1.

FOX-3 is an unattended (unmanned) North Warning System radar site at Dewar Lakes, Nunavut. The site is visited quarterly for preventive maintenance inspections and as required for other work by Nasittuq staff from FOX-M, Hall Beach, Nunavut.

Water Drawn from FOD-1

A total of 40.6 cubic meters was drawn from the water supply lake. This is below the annual maximum of 1,440 cubic meters allowed by the licence. See Table 1 below for the volume of raw water drawn.

Table 1. Monthly and annual raw water drawn at FOX-3.

Month	Raw water drawn in cubic meters (m³)
January	0
February	0
March	0
April	0
May	0
June	0
July	16.5
August	24.1
September	0
October	0
November	0
December	0
TOTAL	40.6

Hazardous Waste and Waste Oil Disposal

Hazardous waste was flown from landlocked FOX-3 to FOX-M (radar site at Hall Beach) where it was loaded onto the sealift and sent for 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 went to Safety Kleen, 2730 boulevard Industriel, Chambly, QC, J3L 4V2. The waste receiver number for Safety Kleen is 1144094969.

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 FOX-3.

Site	Description, TDG shipping name	Quantity	Movement Document or Nasittuq Manifest #
FOX-3	Waste fuel water mixture Waste fuel, aviation, turbine engine mixture	4 drums	Mov. Doc. 2464344-7
FOX-3	Waste oily rags Waste solids containing flammable liquid, n.o.s. (fuel, aviation, turbine engine)	8 drums	Mov. Doc. 2464345-4
FOX-3	Waste fuel contaminated soil Waste solids containing flammable liquids n.o.s. (fuel, aviation, turbine engine)	1 drum	Mov. Doc. 2464345-4
FOX-3	Waste paint	3 drums and 1 crate	Mov. Doc. 2464345-4
FOX-3	Waste fuel water mixture Waste fuel, aviation, turbine engine mixture	6 drums	Mov. Doc. 2464345-4
FOX-3	Waste fire extinguishers	1 crate	Mov. Doc. 2464347-0
FOX-3	Waste batteries, wet, non-spillable	1 crate	Mov. Doc. 2464347-0

Table 2. Summary of waste sent for disposal from FOX-3 (continued)

Site	Description, TDG shipping name	Quantity	Movement Document or Nasittuq Manifest #
FOX-3	Waste glycol	1 drum	Nas. Man. 31076
FOX-3	Waste glycol soaked absorbents	1 drum	Nas. Man. 31086
FOX-3	Waste oil	7 drums	Nas. Man. 31075, 31076
FOX-3	Waste oil filters	1 drum	Nas. Man. 31086
FOX-3	Waste treated wood	1 drum	Nas. Man. 31095

Nonhazardous Solid Waste Disposal

Nonhazardous domestic solid waste was flown out to FOX-M and disposed of through a contract with the Municipality of Hall Beach at the local landfill. Nasittuq has documented authorization from the community for receiving the waste. See Table 3 below for the quantity of waste generated. The FOX-3 landfill still exists. See **Annex B** for the location of the landfill with GPS co-ordinates.

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

Month	Waste generated (kg)
January	0
February	211
March	61
April	817
May	131
June	30
July	860
August	100
September	157
October	143
November	0
December	0
TOTAL	2,511

Monitoring Program

See **Annex C** for the location of the sewage effluent outfall, FOD-2, with GPS co-ordinates. A sump for the sewage outfall was built in 2010.

Annex D is blank. The sump for the sewage outfall was not pumped out therefore no samples were taken for laboratory analysis.

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

See **Annex F** 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)

Two outdoor spills occurred. They are listed in Table 4 below.

Table 4. Outdoor spills at FOX-3.

Date, Spill #	Product	Quantity	Cause and follow-up action	Location at FOX-3
13 May 2013 Zulu, Spill # 13-145	Jet A1 Oil Hydraulic fluid	Estimated 903 L 12 L 8.5 L	A helicopter owned by HTSC crashed shortly after take-off at FOX-3. The accident site was quarantined pending a possible visit from the Transportation Safety Board of Canada (TSBC). The TSBC decided not to go to FOX-3, the quarantine was lifted, and the initial clean up of the snow covered accident site was done from 03 to 07 June. The fuel remaining in the helicopter was drained into UN spec. drums. The helicopter was repositioned upright and all scattered debris (metal, plexiglass, etc.) was collected. The impacted snow was collected and melted; the resulting liquid was drummed for future disposal outside of Nunavut. In July, soil samples were taken. Results indicated hydrocarbon contaminated soil at the accident site. In August, approximately 4.5 cubic meters of contaminated soil were containerized for future disposal outside of Nunavut.	North of the helipad at N 68° 39' 10", W 71° 14' 04"
08 July 2013, Spill # 13-244	Jet A1	16 L	A fuel handler was draining the hose that was used during helicopter refuelling, and approximately 16 litres of fuel sprayed across an area of approximately 10 ft by 10 ft. Impacted soil was placed in container for future disposal at a licensed hazardous waste disposal facility outside of Nunavut.	Helipad

Revisions to the Spill Contingency Plan

The Spill Contingency Plan was revised. The changes were:

- minor formatting changes;
- the Spill Response Flow Chart was updated;
- the Emergency Contacts List was updated; and
- the table of fuel tanks (Appendix 8) was updated.

Progressive reclamation work undertaken

None undertaken.

Annex A

2013 Movement documents for regulated waste and Nasittuq manifests for non-regulated waste

Note: On some completed movement documents (i.e. Parts A, B, and C completed), the shipping names in Part A are too faint to read. In such cases, another copy of the movement document with a legible Part A has been included.



MOVEMENT DOCUMENT / MANIFEST DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

2464344-7

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

A Generator / consigneur Producteur / expéditeur		B Carrier Transporteur		C Receiver / consignee Réceptionnaire / destinataire	
Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial		Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial		Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial	
Company name / Nom de l'entreprise		Company name / Nom de l'entreprise		Company name / Nom de l'entreprise	
Mailing address / Adresse postale		Mailing address / Adresse postale		Mailing address / Adresse postale	
City / Ville		City / Ville		City / Ville	
Province		Province		Province	
Postal code / Code postal		Postal code / Code postal		Postal code / Code postal	
E-mail / Courrier électronique		E-mail / Courrier électronique		E-mail / Courrier électronique	
Tel. No. / N° de tél.		Tel. No. / N° de tél.		Tel. No. / N° de tél.	
Shipping site address / Adresse du lieu de l'expédition		Vehicle / Véhicule		Receiving site address / Adresse du lieu de destination	
City / Ville		Trailer - Rail car No. 1 1 ^{er} remorque - wagon		City / Ville	
Province		Registration No. / N° d'immatriculation		Province	
Postal code / Code postal		Trailer - Rail car No. 2 2 ^e remorque - wagon		Postal code / Code postal	
Intended Receiver / consignee Réceptionnaire / destinataire prévu		Port of entry Point d'entrée		Date received / Date de réception	
Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial		Port of exit Point de sortie		Year / Année	
Mailing address / Adresse postale		Carrier Certification: I certify that I have received waste or recyclable material from the generator / consigneur for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct. Attestation du transporteur: J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.		Month / Mois	
City / Ville		Name of authorized person (print): Nom de l'agent autorisé (caractères d'imprimerie):		Day / Jour	
Province		Tel. No. / N° de tél.		Time / Heure	
Postal code / Code postal		Signature:		A.M. P.M.	
E-mail / Courrier électronique		Year / Année		If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire	
Receiving site address / Adresse du lieu de l'expédition		Month / Mois		Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial	
City / Ville		Day / Jour		Quantity received / Quantité reçue	
Province		Units / Lor / ou Kg Unités		Units / Lor / ou Kg Unités	
Postal code / Code postal		Packaging / Containers Codes Int.-ext.		Comments / Commentaires	
Prov. code Code prov.		Phys. state État phys.		Handling / Code de manutention	
Shipping name Appellation réglementaire		National code in country of / Code du pays		Accepted / Refused Accepté / Refusé	
Class / Classe Sub. classes Classes /s. sub.		Export / Importation		Shipment / Envoi Accepted / Refused Accepté / Refusé	
UN No. N° UN		Customs code(s) Code(s) de douanes		Decort. / Veh. Cont. / Veh.	
Gr d'emballage / de risque		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie)		Signature	
Quantity shipped / Quantité expédiée		Signature		Tel. No. / N° de tél.	
Units / Lor / ou Kg Unités		Tel. No. / N° de tél.		Special handling / Manutention spéciale	
Packaging / Containers Codes Int.-ext.		Date shipped / Date d'expédition		Attached (Ci-joint) / As follows (Ci-contre)	
Phys. state État phys.		Year / Année		Scheduled arrival date / Date d'arrivée prévue	
Generator / consigneur certification: I certify that the information contained in Part A is correct and complete. Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.		Month / Mois		Year / Année	
Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie)		Day / Jour		Month / Mois	
Signature		Time / Heure		Day / Jour	
Tel. No. / N° de tél.		A.M. P.M.		Day / Jour	

MOE 04-1917 (07/07)

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MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

2464344-7

Movement Document / Manifest Reference No.
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A Generator / consigneur Producteur / expéditeur		B Carrier Transporteur		C Receiver / consignee Réceptionnaire / destinataire	
Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial NUG 100003		Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial NEAS		Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial	
Company name / Nom de l'entreprise DND / NASITTUQ CORP		Company name / Nom de l'entreprise NEAS		Company name / Nom de l'entreprise	
Mailing address / Adresse postale 22 WING EMBROIDERY ON PO BOX 170 Tel. No. / N° de tél. 708 489 2011		Mailing address / Adresse postale 2100 DIVERS ROAD, MT. QC Tel. No. / N° de tél. 819 597-0186		Mailing address / Adresse postale	
Shipping site address / Adresse du lieu de l'expédition NWS LRR FOX-3 DEWAR LAKES NU		Vehicle / Véhicule Trailer - Rail car No. 1 1 ^{re} remorque - wagon Trailer - Rail car No. 2 2 ^e remorque - wagon		City / Ville Province Postal code / Code postal	
Intended Receiver / consignee Réceptionnaire / destinataire prévu Safety-Kleen 6785 Route 132, Ville St. Catherine QC J5C1B6 Tel. No. / N° de tél. 2730 boulevard Industriel Chambly QC J3L 4V2		Port of entry / Point d'entrée Port of exit / Point de sortie Vancouver		City / Ville Province Postal code / Code postal	
Receiving site address / Adresse du lieu de l'expédition Chambly QC		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) J. R. COVET Year / Année Month / Mois Day / Jour Signature		Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure A.M. P.	
Shipping name / Appellation réglementaire WASTE FUEL OIL TURBINE ENGINE MIXTURE		Class / Classe Sub. class(es) / Sous-classe(s) UN 1803		Quantity shipped / Quantité expédiée 8488 L	
Notice No. N° de notification		Notice Line No. N° de ligne de la notification		National code in country of / Code du pays	
Flashpoint 38 Deg C		International use only		Export / Importation	
24 hour number CANVEC 613 996-6666 collect		USE IN CASE OF LANGUAGE EMERGENCY		Customs code(s) / Code(s) de douanes	
Generator / consigneur certification: I certify that the information contained in Part A is correct and complete. Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) P. Sheppard		Signature SUPERVISOR Tel. No. / N° de tél. 708 489 2011	
Special handling / Manutention spéciale Attached / C-join: As follows / C-contre:		Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure A.M. P.		Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour	

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Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

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Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

2464345-4

A Generator / consigneur Producteur / expéditeur Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Shipping site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal Intended Receiver / consignee Réceptionnaire / destinataire prévu Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Receiving site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal		B Carrier Transporteur Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Vehicle / Véhicule Trailer - Rail car No. 1 1 ^{re} remorque - wagon Trailer - Rail car No. 2 2 ^e remorque - wagon Registration No. / N° d'immatriculation Port of entry Point d'entrée Port of exit Point de sortie Carrier Certification: I certify that I have received waste or recyclable material from the generator / consigneur for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct. Attestation du transporteur: J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Year / Année Month / Mois Day / Jour Signature Tel. No. / N° de tél.		C Receiver / consignee Réceptionnaire / destinataire Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Receiving site address / Adresse du lieu de destination City / Ville Province Postal code / Code postal Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure AM PM If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire Registration No. / Provincial ID No. N° d'immatriculation / d'id. provincial	
Shipping name Appellation réglementaire Class / Classe Sub. class(es) / Sub.		UN No. / N° UN Packing / Risk gr. Gr. d'emballage / de risque Quantity shipped Quantité expédiée Units L or / ou Kg Units Packaging/Container Codes Int.-ext. Phys. state État phys.		Quantity received Quantité reçue Units L or / ou Kg Units Comments Commentaires Handling Code / Code de manipulation Shipment / Envoi Accepted / Refused Pack. Coeff. Veh.	
Notice No. N° de notification Notice Line No. N° de ligne de la notification Shipment Envoi Off / De D or R code Code E ou R C code Code C Basel Annex VIII or OECD Code Annexe VIII de Bâle ou Code OCDE H code Code H Y code Code Y National code in country of / Code du pays Export Importation Customs code(s) Code(s) de douane		International use only Usage international uniquement		If handling code "Other" (specify) Si code de manipulation « autre » (spécifier) Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. No. / N° de tél.	
Generator / consigneur certification: I certify that the information contained in Part A is correct and complete. Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. No. / N° de tél.		Special handling / Manipulation spéciale Attached IC-joint As follows / Ci-joint:	
Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure AM PM		Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour		Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure AM PM	

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2464345-4

Movement Document / Manifest Reference No.
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A Generator / consigneur Producteur / expéditeur		Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial NUG 100003	
Company name / Nom de l'entreprise DND & NASITTUQ COIP		Company name / Nom de l'entreprise NEAS	
Mailing address / Adresse postale 22 WING OBI 109 Hornell Heights, ON P0H 1P0		Mailing address / Adresse postale 2100 RIVERVIEW DRIVE, MTL QC H3C 1A5	
E-mail / Courriel électronique Tel. No. / N° de tél. 705 430 2211 5947		E-mail / Courriel électronique Tel. No. / N° de tél. 514 297-0180	
Shipping site address / Adresse du lieu de l'expédition City / Ville NWSLR FOX3 DEWAR LAKES NU		Vehicle / Véhicule Trailer - Rail car No. 1 1 ^{er} remorque - wagon Trailer - Rail car No. 2 2 ^e remorque - wagon	
Intended Receiver / consignee Récipiendaire / destinataire prévu SAFETY KLEEN 1144094969 Mailing address / Adresse postale City / Ville 1755 Rte 132 Ville St Catherine QC J5C 1G6 E-mail / Courriel électronique Tel. No. / N° de tél. ()		Port of entry / Point d'entrée International use only Port of exit / Point de sortie International use only Carrier Certification / certifier that I have received waste or recyclable material from the generator / consigneur for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct. Attestation du transporteur : J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au récipiendaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.	
Receiving site address / Adresse du lieu de l'expédition City / Ville 2730 boulevard Industriel Chamblay QC Postal code / Code postal J3L 4V2		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) CHRIS BOYER Year / Année Month / Mois Day / Jour 13 09 13 Signature [Signature]	
Prov. code Code prov.		Shipping name Appellation réglementaire	
Class / Classe Sub. class(es) Gasse(s) sub.		UN No. NTNU	
Packing / risk gr. Gr. d'emballage / de risque		Quantity shipped Quantité expédiée	
Units L or / ou Kg Unités		Packaging / Content No. / N° Codes Int.-ext.	
Phys. state État phys.		Quantity received Quantité reçue	
Units L or / ou Kg Unités		Comments Commentaires	
Handling Code / Code de manipulation		Shipment / Envoi Accepted / Refused	
Decom. Cont.		Decom. Cont.	
Notice No. N° de notification		Notice Line No. N° de ligne de la notification	
Shipment Envoi		Of / De	
D or R code Code D ou R		C code Code C	
Basel Annex VIII or Annexe VIII de Bâle ou Code OCDE		H code Code H	
Y code Code Y		National code in country of / Code du pays	
Export Exportation		Import Importation	
Customs code(s) Code(s) de douanes		If handling code "Other" (specify) Si code de manipulation « autre » (spécifier)	
Receiver / consignee certification / certifier that the information contained in Part C is correct and complete. Attestation du récipiendaire / destinataire : J'atteste que tous les renseignements à la partie C sont exacts et complets.		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie)	
Signature		Tel. No. / N° de tél. ()	
Special handling / Manipulation spéciale Attached / Ci-joint As follows / Ci-contre		Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour 13 09 13 Time / Heure AM PM Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour	
Generator / consigneur certification / certify that the information contained in Part A is correct and complete. Attestation du producteur / expéditeur : J'atteste que tous les renseignements à la partie A sont exacts et complets.		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) P. Sheppard Signature [Signature] Tel. No. / N° de tél. 705 430 2211 5947	

MOE 04-1917 (07/07)

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DOCUMENT DE MOUVEMENT / MANIFESTE

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Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

2464347-0

A Generator / consigneur Producteur / expéditeur Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Shipping site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal				B Carrier Transporteur Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Vehicle / Véhicule Trailer - Rail car No. 1 1 ^{re} remorque - wagon Trailer - Rail car No. 2 2 ^e remorque - wagon Registration No. / N° d'immatriculation Port of entry / Point d'entrée Port of exit / Point de sortie Carrier Certification / I certify that I have received waste or recyclable material from the generator / consigneur for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct. Attestation du transporteur : J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Year / Année Month / Mois Day / Jour Signature :				C Receiver / consignee Réceptionnaire / destinataire Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Receiving site address / Adresse du lieu de destination Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure If waste or recyclable material to be transferred, specify intended company name / Si les déchets ou matières recyclables doivent être transférés, préciser le nom du destinataire Quantity received / Quantité reçue Units / Unités Comments / Commentaires Handling / Code de manipulation Shipment / Envoi Accepted / Refused Pack. Cont. / Veh. Valt. If handling code "Other" (specify) Si code de manipulation « autre » (spécifier) Receiver / consignee certification / I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire : J'atteste que tous les renseignements à la partie C sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. No. / N° de tél. Special handling / Manutention spéciale Attached / Ci-joint As follows / Ci-dessous Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour			
Intended Receiver / consignee Réceptionnaire / destinataire prévu Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Tel. No. / N° de tél. Receiving site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal				Class / Classe Sub. class(es) / Sous-classe(s) UN No. / N° NU Packing / Risk gr. / Gr. d'emballage de risque Quantity shipped / Quantité expédiée Units / Unités Packaging / Containment No. / N° Phys. state / État phys. National code in country of / Code du pays Export / Importation Customs code(s) / Code(s) de douane				Notice No. / N° de notification Notice Line No. / N° de ligne de la notification Shipment / Envoi OK / De D or R code / Code É ou R C code / Code C Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE H code / Code H Y code / Code Y National code in country of / Code du pays Export / Importation Customs code(s) / Code(s) de douane			
International use only											
Generator / consigneur certification / I certify that the information contained in Part A is correct and complete. Attestation du producteur / expéditeur : J'atteste que tous les renseignements à la partie A sont exacts et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. No. / N° de tél.											

MOE 04-1917 (07/07)

Mailed by Consignee to Consignor - Postée par le destinataire à l'expéditeur

Copy / Copie 6 (Innovation / Innovation)



MOVEMENT DOCUMENT / MANIFEST DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

2464347-0

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

A Generator / consigneur Producteur / expéditeur Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial NUG 100003		B Carrier Transporteur Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial NEAS		C Receiver / consignee Réceptionnaire / destinataire Registration No. / Provincial ID No. N° d'immatriculation - d'id. provincial	
Company name / Nom de l'entreprise DND ⁹⁰ NASITTUQ CORPORATION		Company name / Nom de l'entreprise NEAS		Receiver / consignee information same as in Part A Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A <input type="checkbox"/> Yes / Oui <input type="checkbox"/> No, complete the box below / Non, remplir la case ci-dessous	
Mailing address / Adresse postale City / Ville Province Postal code / Code postal 22 WING BLDG 109, Hornell Heights ON P0H1P0		Mailing address / Adresse postale City / Ville Province Postal code / Code postal 2100 PIERRE-BOURQUE MTL, QC H9C 3R5		Company name / Nom de l'entreprise	
E-mail / Courriel électronique Tel. No. / N° de tél. 705 494 2011/2944		E-mail / Courriel électronique Tel. No. / N° de tél. 514 597-0116		Mailing address / Adresse postale	
Shipping site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal NW SLRR FOX3 DEWAR LAKES NU		Vehicle / Véhicule Trailer - Rail car No. 1 1 ^{re} remorque - wagon Trailer - Rail car No. 2 2 ^e remorque - wagon Registration No. / N° d'immatriculation Prov. 24		City / Ville Province Postal code / Code postal	
Intended Receiver / consignee Réceptionnaire / destinataire prévu SAFETY-KLEEN Mailing address / Adresse postale City / Ville Province Postal code / Code postal 6785 ROUTE 132, VILLE STE CATHERINE QC J5C1B6		Port of entry / Point d'entrée International use only Port of exit / Point de sortie International use only Carrier Certification: I certify that I have received waste or recyclable material from the generator / consigneur for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct. Attestation du transporteur: J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.		E-mail / Courriel électronique Tel. No. / N° de tél. ()	
Receiving site address / Adresse du lieu de l'expédition City / Ville Province Postal code / Code postal 2130 boulevard Industriel Chambly QC J3L 4V2		Name of authorized person (print): Nom de l'agent autorisé (caractères d'imprimerie): GEORGE GAVARE Year / Année Month / Mois Day / Jour 12 09 12		Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure <input type="checkbox"/> A.M. <input type="checkbox"/> P.	
Prov. code Code prov.		Shipping name Appellation réglementaire		Quantity received / Quantité reçue	
(i)		WASTE FIRE EXTINGUISHERS 2.2 UN 1094		200 KG 1 07	
(ii)		WASTE BATTERIES 3 UN 2530		150 KG 1 07	
(iii)					
(iv)					
Notice No. N° de notification		Notice Line No. N° de ligne de la notification		If handling code "Other" (specify) Si code de manutention « autre » (spécifier)	
(i)				Receiver / consignee certification: I certify that the information contained in Part C is correct and complete. Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets.	
(ii)				Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie)	
(iii)				Signature Tel. No. / N° de tél. ()	
(iv)		International use only		Special handling / Manutention spéciale <input type="checkbox"/> Attached / Ci-joint <input type="checkbox"/> As follows / Ci-contre:	
Generator / consigneur certification: I certify that the information contained in Part A is correct and complete. Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.		Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Peter Spitz		Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour 13 11 13	
		Signature Tel. No. / N° de tél. 705 494 2011/2944		Time / Heures Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour	

MOE 04-1917 (07/07)

Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

Copy / Copie 3 (yellow / jaui)



NASITTUQ MANIFEST						
Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7						
NON NEGOTIABLE						
Filled By: PSHEPPARD		Date: 2013-06-27 10:36 AM		TCN-31075		
Ship To: CLEAN HARBORS CANADA INC. 2730 BOULEVARD INDUSTRIEL CHAMBLY, QC, J3L 4V2 CA		From: FOX-3, DEWAR LAKES, DND Storeroom Nasittuq Corporation, NWS LSS Hall Beach, P. O. Box 46 Hall Beach, NU, X0A 0K0 867-928-8987		Priority 0		
Attention:		Attention:				
Carrier: NEAS		Routing:		Waybill #: 1 Total Pcs. 1 Total Weight: 560 KG		
QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N
4.0			2002406	WASTE - OIL (45 GALLON DRUM)		ASSET 323438,323442,323439,323440
NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.						
Received By:				Date		
Received By:				Date		

NASITTUQ MANIFEST						
Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7						
NON NEGOTIABLE						
Filled By: PSHEPPARD		Date: 2013-06-27 10:43 AM		TCN-31076		
Ship To: CLEAN HARBORS CANADA INC. 2730 BOULEVARD INDUSTRIEL CHAMBLY, QC, J3L 4V2 CA		From: FOX-3, DEWAR LAKES, DND Storeroom Nasittuq Corporation, NWS LSS Hall Beach, P. O. Box 46 Hall Beach, NU, X0A 0K0 867-928-8987		Priority 0		
Attention:		Attention:				
Carrier: NEAS		Routing:		Waybill #: 1 Total Pcs. 1 Total Weight: 560 KG		
QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N
1.0			2002344	WASTE - GLYCOL (DRUM)		ASSET 158763
3.0			2002406	WASTE - OIL (45 GALLON DRUM)		ASSET 323443,318984,325825
NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.						
Received By:				Date		
Received By:				Date		

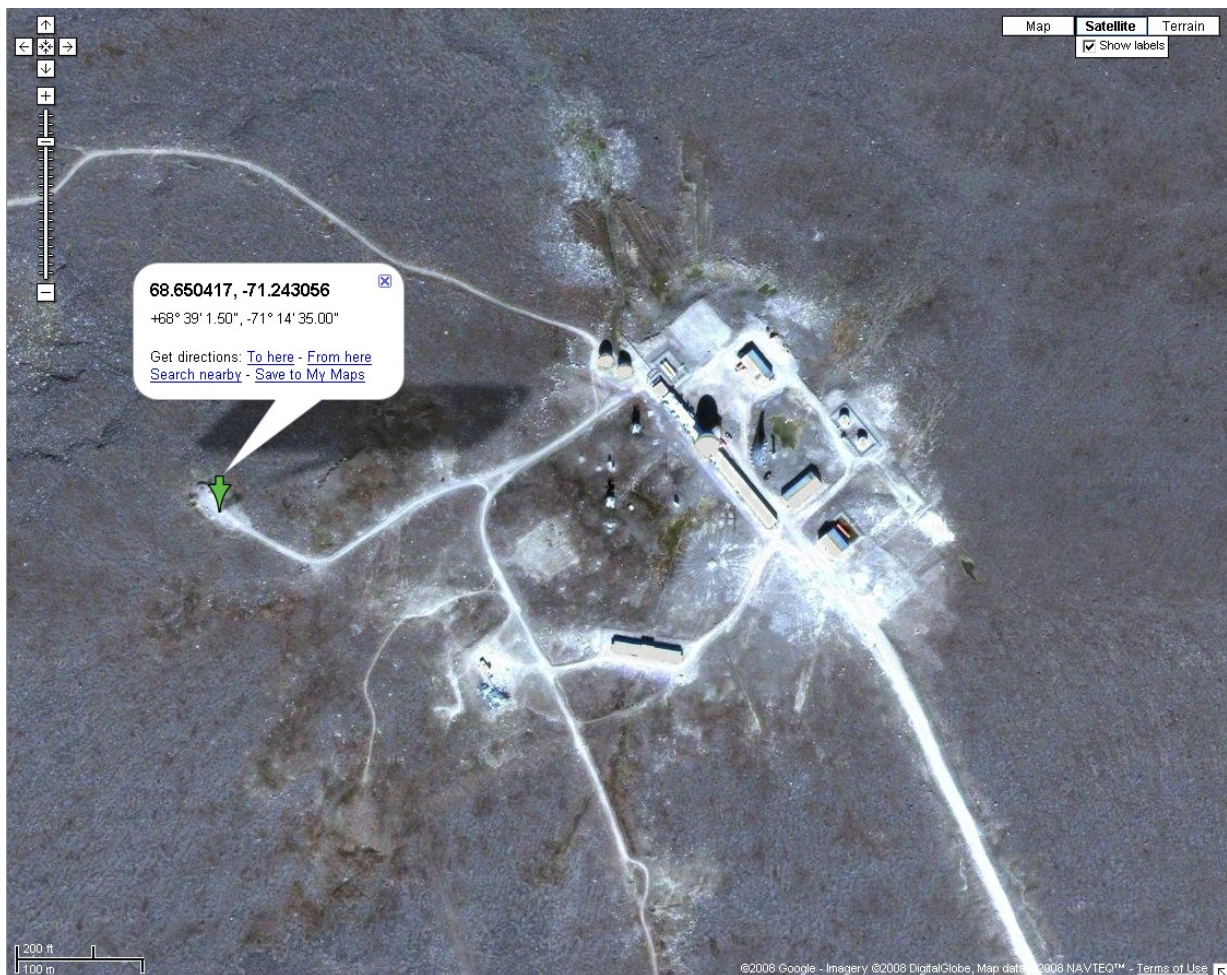


NASITTUQ MANIFEST							
Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7						NON NEGOTIABLE	
Filled By: PSHEPPARD		Date: 2013-06-27 3:45 PM		TCN-31086			
Ship To: CLEAN HARBORS CANADA INC. 2730 BOULEVARD INDUSTRIEL CHAMBLY, QC, J3L 4V2 CA		From: FOX-3, DEWAR LAKES, DND Storeroom Nasittuq Corporation, NWS LSS Hall Beach, P. O. Box 46 Hall Beach, NU, X0A 0K0 867-928-8987			Priority 0		
Attention:		Attention:					
Carrier: NEAS		Routing:		Waybill #:	Total Pcs. 1	Total Weight: 360 kg	
QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N	Remarks
1.0			3005411	WASTE - GLYCOL SOAKED ABSORBEN			asset 323446
1.0			2002356	WASTE - OIL FILTERS (DRUM)			asset 323447
NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.					Received By:		Date
					Received By:		Date

NASITTUQ MANIFEST							
Suite 400, 160 Elgin Street, Ottawa, ON K2P 2P7						NON NEGOTIABLE	
Filled By: PSHEPPARD		Date: 2013-06-28 10:29 AM		TCN-31095			
Ship To: CLEAN HARBORS CANADA INC. 2730 BOULEVARD INDUSTRIEL CHAMBLY, QC, J3L 4V2 CA		From: FOX-3, DEWAR LAKES, DND Storeroom Nasittuq Corporation, NWS LSS Hall Beach, P. O. Box 46 Hall Beach, NU, X0A 0K0 867-928-8987			Priority 0		
Attention:		Attention:					
Carrier: NEAS		Routing:		Waybill #:	Total Pcs. 1	Total Weight: 125 kg	
QTY Order	Type	Line Weight	Item	Description	WO or PO	B/Code or S/N	Remarks
1.0			2012227	WASTE - TREATED WOOD			asset 323025
NOTE: All claims related to this shipment have to be filled with Nasittuq within 45 hours of receipt.					Received By:		Date
					Received By:		Date

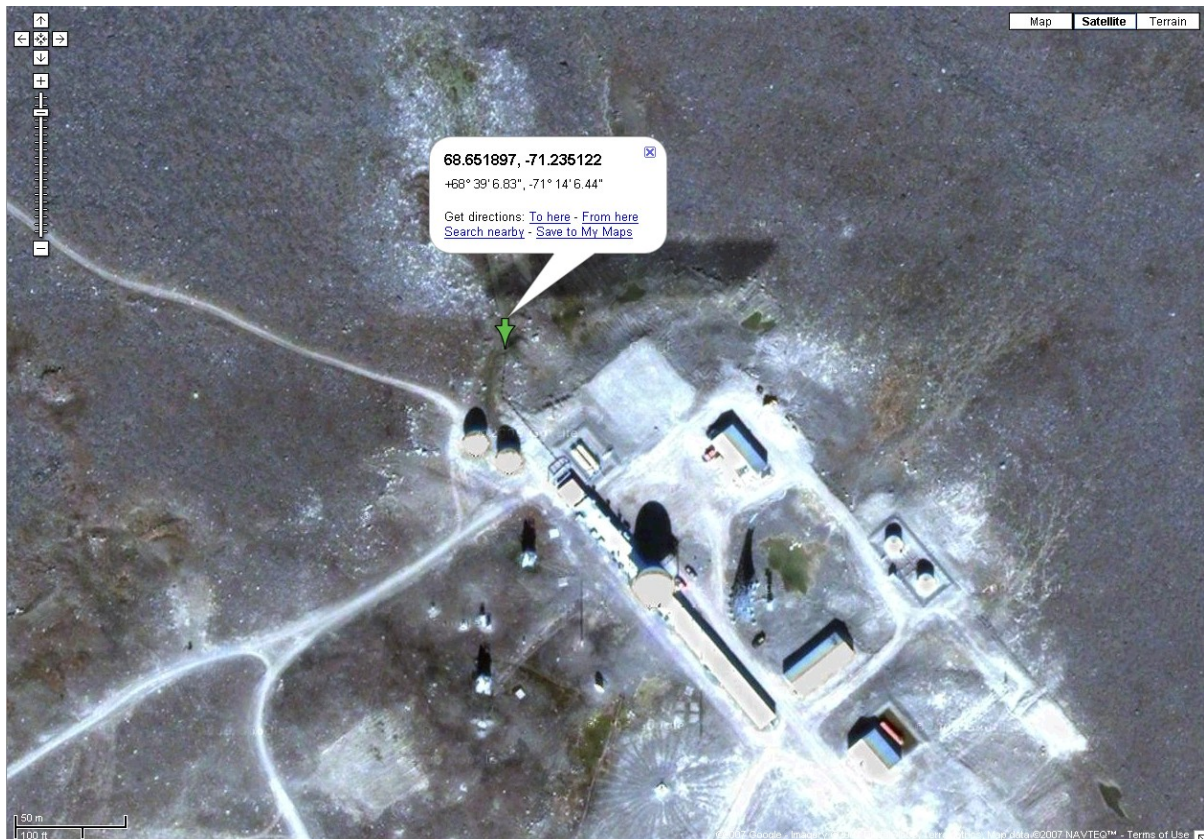
Annex B

FOX-3 - Location of Landfill with GPS Co-ordinates



Annex C

FOX-3 - Sewage Outfall Location (FOD-2) with GPS Co-ordinates



Annex D

**This Annex has been left blank intentionally.
(The sump of the sewage outfall was not pumped out therefore no samples were
taken for laboratory analysis.)**

Annex E

FOX-3 - 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-FOD0919 Type "B"	FOX-3 North Warning System Site, Dewar Lakes, Qikiqtani Region, Nunavut	FOD-3	- Summit (near helipad) - Berm of tanks W22A and W22B	68° 39' 05" N 71° 14' 03" W
			- Summit (behind warehouse) - Berm of tanks W22C and W22D	68° 39' 04" N 71° 13' 50" W
			- Airfield (near storage) - Berm of tanks W20D and W20E	68° 37' 25" N 71° 08' 06" W

Annex F

FOX-3 - Analysis of Berm Water (Effluent from Bermed Fuel Storage Facilities)



14 June 2013

Summit (near helipad), Berm of tanks W22A and W22B

Page 1 of 2

EXOVA OTTAWA

Certificate of Analysis



Client: Nasittuq Corp. (Ottawa)
160 Elgin Street, Suite 400
Ottawa, ON
K2P 2C4
Attention: Ms. Barb Thomson
PO#:
Invoice to: Nasittuq Corp. (Ottawa)

Report Number: 1312354
Date Submitted: 2013-06-21
Date Reported: 2013-06-25
Project: FOX - 3
COC #: 130618

				Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	
				1035432 Water	
				2013-06-14 FOX 3 W22A + W22B - Dis	
Group	Analyte	MRL	Units	Guideline	
Metals	Cd	0.0001	mg/L		0.0001
	Co	0.0002	mg/L		0.0006
	Cr	0.001	mg/L		<0.001
	Cu	0.001	mg/L		0.002
	Ni	0.005	mg/L		<0.005
	Pb	0.001	mg/L		<0.001

Guideline = * = Guideline Exceedence
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline,
MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable
Concentration, STD = Standard, PW/QO = Provincial Water Quality Guideline, IPW/QO
= Interim Provincial Water Quality Objective, TDR = Typical Desired Range

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 2 of 3



14 June 2013

Summit (near helipad), Berm of tanks W22A and W22B

Page 2 of 2

EXOVA OTTAWA

Certificate of Analysis



Client: Nasittuq Corp. (Ottawa)
160 Elgin Street, Suite 400
Ottawa, ON
K2P 2C4
Attention: Ms. Barb Thomson
PO#:
Invoice to: Nasittuq Corp. (Ottawa)

Report Number: 1312353
Date Submitted: 2013-06-21
Date Reported: 2013-07-02
Project: FOX - 3
COC #: 130518

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					1035431 Water 2013-06-14 FOX 3 W22A + W22B
Group	Analyte	MRL	Units	Guideline	
General Chemistry	pH	1.00			8.58
Metals	Aqua-Regia Digest		mg/L		y
	As	0.02	mg/L		<0.02
	Zn	0.04	mg/L		0.11
Nutrients	Phenols	0.001	mg/L		0.003
Oil & Grease	Oil & Grease - Total	1	mg/L		<1
PCBs	Polychlorinated Biphenyls (PCBs)	0.1	ug/L		<0.1
Subcontract	Hg	0.0001	mg/L		<0.0001
VOCs	Benzene	0.5	ug/L		<0.5
	Ethylbenzene	0.5	ug/L		<0.5
	Toluene	0.5	ug/L		<0.5
	Toluene-d8	1	%		103

Guideline = * = Guideline Exceedence
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 2 of 5

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline,
MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable
Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
= Interim Provincial Water Quality Objective, TDR = Typical Desired Range



14 June 2013

Summit (behind Warehouse), Berm of tanks W22C and W22D

Page 1 of 2

EXOVA OTTAWA

Certificate of Analysis



Client: Nasittuq Corp. (Ottawa)
160 Elgin Street, Suite 400
Ottawa, ON
K2P 2C4
Attention: Ms. Barb Thomson
PO#:
Invoice to: Nasittuq Corp. (Ottawa)

Report Number: 1312358
Date Submitted: 2013-06-21
Date Reported: 2013-06-25
Project: FOX - 3
COC #: 122607

				Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	
				1035436 Water	
				2013-06-14 FOX - 3 W22C + W22D - Dis	
Group	Analyte	MRL	Units	Guideline	
Metals	Cd	0.0001	mg/L		0.0009
	Co	0.0002	mg/L		0.0030
	Cr	0.001	mg/L		<0.001
	Cu	0.001	mg/L		0.008
	Ni	0.005	mg/L		0.012
	Pb	0.001	mg/L		<0.001

Guideline = * = Guideline Exceedence
** - Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline,
MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable
Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
= Interim Provincial Water Quality Objective, TDR = Typical Desired Range

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 2 of 3



14 June 2013

Summit (behind Warehouse), Berm of tanks W22C and W22D

Page 2 of 2

EXOVA OTTAWA

Certificate of Analysis



Client: Nasittuq Corp. (Ottawa)
160 Elgin Street, Suite 400
Ottawa, ON
K2P 2C4
Attention: Ms. Barb Thomson
PO#:
Invoice to: Nasittuq Corp. (Ottawa)

Report Number: 1312357
Date Submitted: 2013-06-21
Date Reported: 2013-07-02
Project: FOX - 3
COC #: 122607

Lab I.D. 1035435 Sample Matrix Water Sample Type 2013-06-14 Sampling Date FOX - 3 W22C + Sample I.D. W22D				
Group	Analyte	MRL	Units	Guideline
General Chemistry	pH	1.00		5.71
Metals	Aqua-Regia Digest		mg/L	Y
	As	0.02	mg/L	<0.02
	Zn	0.04	mg/L	0.05
Nutrients	Phenols	0.001	mg/L	<0.001
Oil & Grease	Oil & Grease - Total	1	mg/L	<1
PCBs	Polychlorinated Biphenyls (PCBs)	0.1	ug/L	<0.1
Subcontract	Hg	0.0001	mg/L	<0.0001
VOCs	Benzene	0.5	ug/L	<0.5
	Ethylbenzene	0.5	ug/L	<0.5
	Toluene	0.5	ug/L	<0.5
	Toluene-d8	1	%	102

Guideline = * = Guideline Exceedance
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline,
MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable
Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
= Interim Provincial Water Quality Objective, TDR = Typical Desired Range

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 2 of 5



14 June 2013
Airfield, Berm of tanks W20D and W20E
Page 1 of 2

EXOVA OTTAWA

Certificate of Analysis



Client: Nasittuq Corp. (Ottawa)
160 Elgin Street, Suite 400
Ottawa, ON
K2P 2C4
Attention: Ms. Barb Thomson
PO#:
Invoice to: Nasittuq Corp. (Ottawa)

Report Number: 1312372
Date Submitted: 2013-06-21
Date Reported: 2013-06-26
Project: FOX-3
COC #: 132963

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
Group	Analyte	MRL	Units	Guideline	1035450 Water 2013-06-14 FOX-3-W20D+W20E - Dis
Metals	Cd	0.0001	mg/L		0.0002
	Co	0.0002	mg/L		0.0008
	Cr	0.001	mg/L		<0.001
	Cu	0.001	mg/L		0.002
	Ni	0.005	mg/L		<0.005
	Pb	0.001	mg/L		<0.001

Guideline = * = Guideline Exceedence
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline,
MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable
Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
= Interim Provincial Water Quality Objective, TDR = Typical Desired Range

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 2 of 3



14 June 2013
Airfield, Berm of tanks W20D and W20E
Page 2 of 2

EXOVA OTTAWA

Certificate of Analysis



Client: Nasittuq Corp. (Ottawa)
160 Elgin Street, Suite 400
Ottawa, ON
K2P 2C4
Attention: Ms. Barb Thomson
PO#:
Invoice to: Nasittuq Corp. (Ottawa)

Report Number: 1312371
Date Submitted: 2013-06-21
Date Reported: 2013-07-02
Project: FOX-3
COC #: 132963

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					1035449 Water 2013-06-14 FOX-3-W20D+W20E
Group	Analyte	MRL	Units	Guideline	
General Chemistry	pH	1.00			6.72
Metals	Aqua-Regia Digest		mg/L		y
	As	0.02	mg/L		<0.02
	Zn	0.04	mg/L		<0.04
Nutrients	Phenols	0.001	mg/L		<0.001
Oil & Grease	Oil & Grease - Total	1	mg/L		<1
PCBs	Polychlorinated Biphenyls (PCBs)	0.1	ug/L		<0.1
Subcontract	Hg	0.0001	mg/L		<0.0001
VOCs	Benzene	0.5	ug/L		<0.5
	Ethylbenzene	0.5	ug/L		<0.5
	Toluene	0.5	ug/L		<0.5
	Toluene-d8	1	%		100

Guideline = * = Guideline Exceedence
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline,
MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable
Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO
= Interim Provincial Water Quality Objective, TDR = Typical Desired Range

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1

Page 2 of 5