IZOK / HOOD / GONDOR



2013 Annual Report

Presented

January 2014

MINERALS AND METALS GROUP

26 – 1177 W. HASTINGS ST, VANCOUVER BC, V6E 2K3 TEL. 778 373 5600 FAX 778 373 5598

TABLE OF CONTENTS

Project Description
Izok Exploration Activity 20137
Hood Exploration Activity 20137
Planned Activity 20147
Environmental7
Water Usage8
Wildlife8
Community8
Air Operations9
Reclamation Work10
Waste Removal11
Spill Contingency and Abandonment and Restoration Plans11
Inspections11
Permitting
<u>FIGURES</u>
Figure 1 : Project Location5
Figure 2 : Permitted Areas of Work6
TABLES
Table I: 2013 Seasonal Employees from Local Communities9
Table II : 2013 Air Operations

APPENDICES

Appendix I: Inspection Reports	
Appendix II : Permitting	
Appendix III : Water Usage Domestic/Industrial	
Appendix IV : Laboratory Results Water Testing22	
Appendix V : Water Sampling Photos	
Appendix VI : Wildlife Sightings Log	
Appendix VII : Waste Control Documentation24	
Appendix VIII : KBL Waste Disposal Certificates	
Appendix IX : Waste Management Plan	
Appendix X : Spill Response Plan	
Appendix XI : Abandonment and Restoration Plan	
Appendix XII: Photos	

PROJECT DESCRIPTION: IZOK / HOOD

The Minerals and Metals Group (MMG) is a mining development company that has the mineral rights for the Izok and portions of the Hood River properties.

The Izok property is a VMS style poly-metallic deposit hosted in felsic rocks, the primary interest being its copper and zinc content. The property consists of three mineral leases and three claims. It is located approximately 300 km north of Yellowknife and is situated on both Crown and Inuit Owned Land (see figure 1).

The Izok Lake property has been well documented and explored by various groups over its 40 year history. Although activity in the region is documented since the 1960's, the first significant discovery was made in the mid-1970's by Texas Gulf. Since then, Izok Lake has played host to a number of interested groups, including Minnova and Inmet prior to the involvement of Wolfden and the subsequent series of takeovers that led the property to MMG.

MMG continues to test for extensions of the Izok resource, and follow up geophysical targets with exploration drilling. Although under a series of different companies (Wolfden/Zinifex/Oz) exploration has been continually managed under more or less the same technical team since the acquisition of Wolfden by Zinifex in 2007. During this period there has been several drill campaigns aimed at expanding the resource. The intervening years saw continued surface mapping and geophysical testing of surrounding rock units in the hopes of identifying extensions. Included in this regional work were the adjacent historic showings of Gondor and Hood River, previously explored by Kennecott and Inmet in the 1970s and 80s. Both locations host VMS style mineralization in greenstone geology, and represent potential additional resources that due to their proximity to Izok, are of interest.

Izok's remote location and the logistical challenges involved have discouraged possible developers over the years and it remains one of the last undeveloped large high grade base metal deposits.

MMG intends to continue exploring in the area in the hopes of expanding the current resource at Izok.

The project is supported by a 50 man camp located on Ham Lake, approximately 5km North of Izok Lake where the mineral resource is located.

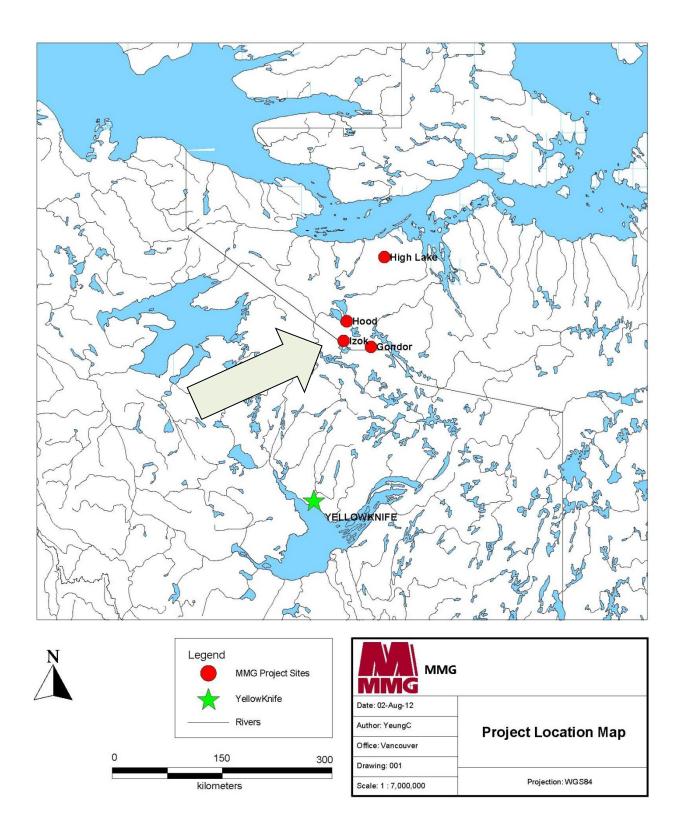
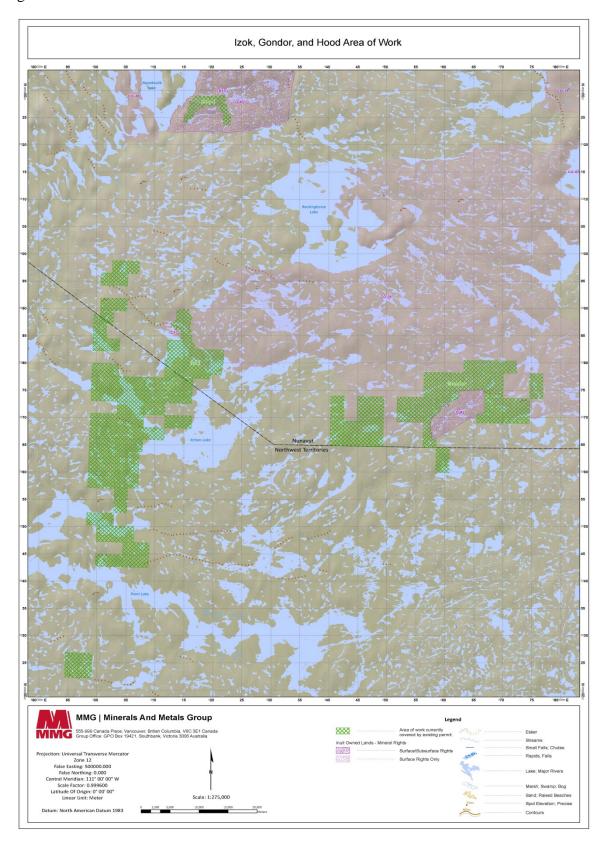


Figure 2 : Permitted Areas of Work



IZOK / HOOD EXPLORATION PROGRAM 2013:

The 2013 exploration program at Izok was limited to regional reconnaissance work that included surface mapping and sampling of geophysical targets that had been identified from airborne surveys. In addition to this, environmental baseline work continued in order to support the ongoing feasibility study of the Izok Corridor Project, and a significant site reclamation effort was made. Contrary to initial plans to complete a small drill program on the Hood ground, no drilling was undertaken in the 2013 program. In addition to the regional prospecting, 3.6km of surface fixed loop TEM geophysical surveys were completed.

PLANNED EXPLORATION PROGRAM 2014:

The proposed exploration program for the 2014 field season is greatly reduced. A contemplated drilling program is now questionable but if carried out would be limited in scope to a short program with a single helicopter supported drill. The drilling would follow up on some geophysical targets surrounding the Hood resource, and then move north to test a new target on the "Dogbone" ground staked last year. A maximum of 3000m of drilling at Hood and Dogbone (new permit application) during the summer months is proposed but not as of yet approved. A small program of surface prospecting, mapping and sampling will continue to follow up regional targets identified from airborne surveys flown in late 2013 along the "Izok Corridor". Some of these may see more detailed surface geophysics in order to more accurately interpret them. The company's goal continues to be adding tonnage to the existing resources currently identified at Izok/Hood, and along the "Izok Corridor" heading north towards High Lake. The majority of work in 2014 will be centred on the continued reclamation of the Slave Project sites. At Izok historic heavy equipment, old drill components, drums and other materials that were prepared for airlift last season will begin to be removed from site.

ENVIRONMENTAL:

Environmental baseline data collection continued during 2013, primarily with regard to mammals, fish habitat, and surface waters. Wind direction and speed, temperature, and precipitation data is routinely monitored during field operations. Water usage volumes for domestic purposes are recorded for the annual water board report and are provided in the appendix. No water usage was registered for industrial usage in 2013 (diamond drilling).

No lake ice drilling was conducted in 2013 and therefore no lake ice water sampling was carried out.

Baseline data gathering in support of the advances towards feasibility of the project will continue in 2014. Mammal and bird counts, fisheries studies, and ground and surface water characterizations are all planned in association with development work and under supervision of Scott Trussler and the MMG Development Team.

An annual review of the Spill Contingency Plan is conducted, modifications are made if necessary, and the document is included in the appendices of the annual report on an annual basis.

WATER USAGE:

Water usage is divided into Industrial and Domestic applications, and is monitored. Water usage reporting is included in the appendices. The project is presently permitted for 100m^3 per day total volume for both applications. On average the Camp consumes roughly 4m^3 per day during capacity occupancy. During the 2013 field season the camp was occupied from March through to September. It reached a maximum population of 26 men for roughly one week in late August. The average population over the entire period of occupation in 2013 was 13.5. The Ham Lake camp draws its water from Ham Lake by means of a submersible electric pump. The intake on the pump is screened.

Industrial usage is limited to those activities associated with drilling. No drilling was carried out during the 2013 program.

WILDLIFE:

Wildlife encounters and sightings during operations are documented by field personnel. A copy of the log is included in the appendices. As specified in our permit, low level flying is avoided unless absolutely necessary for operations and special care is taken during sensitive periods of animal life cycles. A copy of the current Wildlife Management Plan for MMGs operations in the Slave is included in the Appendices.

COMMUNITY:

MMG maintains an office in Kugluktuk, the closest Inuit community to our project sites. We have on permanent staff there Mr. Donald Havioyak, who acts as our community liaison. His primary job is to keep local community members informed of our exploration activities, and address concerns and questions they may have on behalf of the company. He is also instrumental in the hiring of local staff, aiding applicants in resume preparation and conducting initial interviews on our behalf. A list of temporary employees from local communities is

included below. Aside from Kitchen and Camp Maintenance positions, the Environmental programs also employed locals as field assistants and guides.

Table I: Local Employment

Employee Name	Community	Mandays
Carl Katiak	Kugluktuk	83
Gibson Kaosoni	Cambridge Bay	58
Dale Taktogon	Kugluktuk	31
TOTAL		172

AIR OPERATIONS:

In order to facilitate the opening of camp and spring operations, Izok was opened in April of 2013. Weekly crew changes along with food re-supply was conducted with twin otters operated by Air Tindi and Arctic Sunwest.

Throughout field operations, a helicopter was based onsite that made local flights daily in order to mobilize field mapping and geophysical crews.

During operations, low level flight is avoided in order to minimize noise impacts on local wildlife. When operational areas coincide with seasonal migration paths or calving grounds, activity is diverted or suspended.

A table showing 2013 air operations conducted out of the Izok site is included on the following page:

Table II: 2013 Air Operations

MONTH	FIXED WING FLIGHTS	HELICOPTER HOURS
April	5	17.4
May	9	43.2
June	9	73.9
July	7	44.3
August	10	134.5
September	4	25.7
TOTAL	44	339

RECLAMATION WORK:

Clean up around the Izok camp location is continuous and ongoing, with the removal of waste, unused material and equipment. During the 2013 season, a considerable effort was made to address legacy infrastructure, "inherited" by MMG from previous site operators. The historic fuel farm tanks were drained and removed from the berm area, in preparation for the next steps in the reclamation process. Options include purging the tanks with nitrogen gas to displace flammable gases and then cutting them into transportable pieces with a cutting torch, or transporting them whole on flatbed trucks operating on a winter road contemplated in future development plans. In addition to the bulk fuel farm, the historic ATCO trailer camp was also addressed, and the first of 12 trailer units was demolished. A controlled open burning permit was issued by the Nunavut Water Board and all combustible components of the structure were incinerated onsite in a carefully monitored and controlled manner. Non-combustible components were broken down and transported to Yellowknife for proper disposal.

Historic heavy equipment was in some cases partially dis-assembled and prepared for removal from site along with old drill steel and drill components. Photographic documentation of the above mentioned reclamation efforts are included in the appendices, along with waste transport records and KBL disposal certificates.

WASTE REMOVAL:

All waste is streamed to differentiate between burnable waste, recyclables, and those waste products that must be transported to Yellowknife for treatment off site. Burnable waste and sewage is incinerated on site by a diesel powered forced air furnace. Waste that is not approved for burning, or that is identified as recyclable is removed from the waste stream. Incineration remains including metal scraps and ash are collected and sealed in empty 45 gallon fuel drums for transport back to Yellowknife. Waste is handled by expediters in Yellowknife and transferred over to KBL Environmental for appropriate disposal. Transport and final disposal records from KBL have been included in the appendices. Waste that involves petroleum or other chemical products is transported by KBL to Edmonton for disposal in a certified facility. Human waste is collected daily from 'pacto' style toilets and incinerated on site. The updated Waste Management Plan for the Slave Project sites is included in the appendices along with daily records of waste streaming and disposal.

SPILL CONTINGENCY AND ABANDONMENT AND RESTORATION:

The Spill Contingency and Abandonment and Restoration Plans for the site underwent review and modification in January 2013 and the updated versions were forwarded to AANDC and the NIRB. The Plans have historically been included in the annual report submittals to regulatory agencies. As the methodology and scope of Exploration activity remains largely unchanged, so too do the plans. The updated Spill Contingency and Abandonment and Restoration Plans have been included in the appendices of this report.

SITE INSPECTIONS:

Visual site inspections of the Izok project site were conducted by Eva Paul of Aboriginal Affairs and Northern Development (also acting on behalf of the Nunavut Water Board). A copy of the AANDC inspection report is included in the Appendices with dates and findings. Observations recorded during the 2012 inspection including secondary containment under the current fuel farm, daily waste treatment and transport logs, and the re-positioning of core racks located too close to the shoreline of Ham Lake were all satisfactorily addressed and Camp Management teams were commended for their efforts.

Luigi Torretti of the Kitikmeot Inuit Association conducted an inspection in August.

PERMITTING:

Both the Land Use Permit and Water Licence associated with the Izok Property underwent renewal in 2012.

A single LUP (N2012C0005) issued by Aboriginal Affairs and Northern Development Canada now serves to cover both the Izok and the Hood/Gondor project areas. An extension request for this permit has been submitted for the 2014 field season.

The renewal of the Water License was approved in 2012 and the new license (2BE-IZO1217) now carries an expiry date of 2017. The previous permit expired December 31^{st} , 2012. In July, the Nunavut Water Board issued an allowance for limited open burning in order to address a specific reclamation issue.

The Land Use Agreement for operating on IOL ground was successfully renewed with the Kitikmeot Inuit Association in February of 2013.

It's worth noting that the areas of interest and the scope of work being carried out remain unchanged. Copies of current operating permits are included in the Appendices.

APPENDICES

Indian and Northern Affaires indiennes et du Nord Canada
— — Analis Canada et du Nord Canada
CAMP / MUNICIPAL WATER USE INSPECTION FORM
DATE: July 4, 2013 COMPANY REP.: Peter Cullinging
LICENSEE: MMG LICENCE #: 288-1701217
Lase # 86H/10-001
WATER SUPPLY
Source(s): Ham Lake Quantity Used (to date): 73791 L
Owner/operator:- (estimate or actual):
Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable
Intake Facilities A Storage Structures A Treatment Systems A Chem. Storage N/A Flow Meas. Device A Conveyance Lines A Pumping Stations A
Comments: Removal of float system means areater value "used". Only water
in tanks is metered. Further discussion with NWB will follow.
Recommend spill kit for UV lamp Records - good
WASTE DISPOSAL
Sewage: A Sewage Treatment System (primary, secondary or tertiary) Pacto/ Incorporation
Natural Water body Continuous Discharge (land or water)
Seasonal Discharge Wetlands Treatment Trench
Solid Waste: TOwner/Operator: Inchesate Backhaul Recycling Landfill Burn & Landfill Other
Landfill Burn & Landfill Other Indicate: A - Acceptable U - Unacceptable N/A - Not Applicable
Disch. Quality Decant Structure Erosion
Disch. Meas. Dev Dyke Inspection Seepages
Dams, Dykes Spills
Construction O & M Plan A & R Plan
Periods of Discharge Effluent Discharge Rate:
Smell's evident - Waste tradeino se Harrough. Recyclables
and other non-burnables are searchated. Incorrector much improved
from last yest.
FUEL STORAGE Owner Operator Condition of Tanks
Berms & Liners A Water within berm: A Evidence of Leaks: North
Drainage Pipes Pump Station and Catchment Beam
Pipeline ConditionN /A Not Applicable:
SURVEILLANCE NETWORK PROGRAM N/A - none regurned by licence except
Samples Collected: (Hamlet) White on the drawling
(DIAND)
Signs Posted: SNP NA Warning NA
Record & Reporting Tracking of water usage is thorough
Geotechnical Inspection: N/A
Non-Compliance of Act or Licence: I(b) - progressive reclamation of deal holes



WATER USE INSPECTION REPORT (continued)

Date: July 4, 2013	*	Licence #: 268-1701717
General Comments: (Continued)	7	Lease# 86H/10-001
Izok camp is in excellent	t shape. No	fuel or haze mat.
was seen out of secondar	y containmin	t. Liners and bering
are in place that were	regulated by	prenous inspections.
the second section of the section of the second section of the section of the second section of the secti	+ U	a superior to a superior to the superior defends
Old frel tanks have been	dismantled	and options for
backhant are being assess		
material in the old berm	will be requ	ured, If it is to
remain on site, an assissim	rend of the lin	er would be prudent.
	*	
No drilling currently occur	iring. Please	note Part Citem 3
requires identification of di	all water sour	ces to the Inspector
prior to drilling.		
0		
Improvements at blood inc	lyde morna	core racks it structures
that were <30 m from two		A A
	- m	
Several drill holes from past	seasons wer	e inspected. The current
and past licence require "th		
This is not being done.	As-per Part	I Tlem 10, drill holes
are to be completely restore		
pulled they are to be cut off ,	at the ground	I surface (anchors as wel
A plan for the restoration	n of all past	drill holes assurated
with this project, with	timelines, s	should be submitted to
the inspetor by October 31	1,2613,	
	177	Contract Con
Overall an excellent insp		
work has been done in	the last year	r. The site is tidy
and are marked and Date	To Take the land	1 we the althor



Aboriginal Affairs and Northern Development Canada Affaires autochtones et Développement du Nord Canada

Land Administration P.O. Box 100 IQALUIT, NU XOA 0H0 Phone: 867-975-4275 FAX: 867-975-4286

Your file - Votre référence

Our file - Notre rélérence

March 1st, 2012

MMG Resources Inc. Suite 55-999 Canada Place Vancouver, BC V6C 3E1

Dear Theodore Muraro:

Re: Land Use Permit #N2012C0005

Type of Operation: Mining (Exploration)

Location: Izok Lake Area, Kitikmeot, NU, NTS 76E & 86H

Enclosed is your copy of Land Use permit number N2012C0005 authorizing your project as described in your application dated December 20th, 2011, received by this office January 24th, 2012.

Your application has received a wide distribution to other Federal departments, Government of the Nunavut departments, communities in the area of your operation and concerned Inuit groups. In distributing your application the Nunavut Impact Review Board (NIRB) sought comments from these various agencies based on their area of expertise that will help ensure minimum negative impact on the environment. The issuance of this permit indicates that as a result of the NIRB environmental screening process it was decided that the potentially adverse environmental effects that may be caused by your proposal are mitigable with known technology and are not significant. The terms and conditions in the permit will, in our opinion, provide the necessary protection to the environment.

Please ensure that you adhere to the operating conditions annexed to your permit. Should you have any questions regarding any conditions of this permit, please contact Tracey McCaie at (867) 975-4283 or email landsmining@inac.gc.ca.

Sincerely.

Tracey MCcaie

Land Administration Specialist

cc:

Manager, Field Operations RMO - Kitikmeot

NIRB CIDMS #509606



LAND USE PERMIT NORTHERN AFFAIRS PROGRAM

PERMIS D'UTILISATION DES TERRES PROGRAMME DES AFFAIRES DU NORD

	A		N2012C0005
Subject to the Territorial Land Use Regulations and the terms and conditions in this permit, authority is hereby granted to:	Sous réserve du l territoriales et des	Règlement sur l' s conditions de d	utilisation des terres ce permis:
	esources Inc.		
Permittee -	Détenteur de permis		
To proceed with the land use operation described in the application of:	Est autorisé à ent terres décrits dan	reprendre les tra s la demande d	avaux d'exploitation des e permis du:
Signature		Date	
Theodore Muraro		March 1st, 201	2
Type of Land Use Operation - Genre de travaux d'exploitation des terres			
Mining (Exploration) Location - Emplacement			
Izok Lake Area, Kitikmeot, NU, NTS76E & 86H			
This permit may be assigned, extended, discontinued, suspended or cancelled pursuant to the Territorial Land Use Regulations.	prolongation d'u	ine cessation rertu du Règle	une cession, d'une d'une suspension ou d'une ment sur l'utilisation des
Dated at Date a Iqaluit	Engineer Ingénieur	200	0 .
This Day of Ce 1st jour de March	_, _2012		
Commencement Date Date du déut des travaux March 1st, 2012	Expiry DateDate d'achèvement	February 2	28th, 2014
NOTE		REMA	RQUE
IT IS A CONDITION OF THIS PERMIT THAT THE PERMITTEE COMPLY WITH ANY OTHER APPLICABLE ACT, REGULATION, ORDINANCE BY - LAW OR ORDER DEFAULT HEREOF MAY RESULT IN SUSPENSION OR CANCELLATION OF THIS PERMIT.	CONFORMER A DÉCRET RÈGL APPLICABLE. I	À TOUT AUTF EMENT MUN .E MANQUEN NNER LIEU À	NT PERMIS DOIT SE RE RÈGLEMENT, LOI, ICIPAL OU ARRETÉ IENT À CETTE OBLIGATION LA SUSPENSION OU À
			Canada



NUNAVUT WATER BOARD WATER LICENCE RENEWAL

Licence No. 2BE-IZO1217

Pursuant to the Nunavut Waters and Nunavut Surface Rights Tribunal Act and the Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada, the Nunavut Water Board, hereinafter referred to as the Board, hereby grants to

MMG INC.

(Licensee) 26th FLOOR -1177 WEST HASTINGS ST., VANCOUVER, BC V6E 2K3 (Mailing Address) hereinafter called the Licensee, the right to alter, divert or otherwise use water or dispose of waste for a period subject to restrictions and conditions contained within this Licence renewal: Licence Number/Type: 2BE-IZO1217 TYPE "B" Water Management Area: NUNAVUT 07 Location: IZOK LAKE PROJECT KITIKMEOT REGION, NUNA VUT Classification: MINING AND MILLING UNDERTAKING DIRECT WATER USE AND DEPOSIT OF WASTE Purpose: Quantity of Water use not ONE HUNDRED (100) CUBIC METRES PER DAY to Exceed: Date of Licence Issuance: **DECEMBER 20, 2012** Expiry of Licence: **DECEMBER 31, 2017**

This Licence renewal issued and recorded at Gjoa Haven, Nunavut, includes and is subject to

Thomas Kabloona, Nunavut Water Board

the annexed conditions.

Chair

..../2



File No.: 2BE-IZO1217/TR/D2

June 24, 2013

Teodore J. Muraro Operations Manager – Canadian Exploration MMG Limited Level 26 – 1177 West Hastings St. Vancouver, BC, V6E 2K3, Canada

E-mail: theodore.muraro@mmg.com

RE: <u>Licence No. 2BE-IZO1217, Type "B", MMG Limited;</u> Request to Carry out Open Burning of Acceptable Materials.

Dear Mr. Muraro,

The Nunavut Water Board ("NWB") received on May 3, 2013 a request from MMG Limited to complete controlled open burning, without the use of an incinerator, of acceptable materials (untreated wood materials such as paper, cardboard and wood) during the reclamation of the trailer camp which involves dismantling the trailers (e.g. breaking down all interior finishing's, removing windows, removing sheet metal siding, and removal of all other non-combustible wastes) at the Ham Lake Camp site. On May 15, 2013, the NWB acknowledged receipt and distributed the request to interested persons and parties for a thirty (30) day review period. Comments were received from Aboriginal Affairs and Northern Development Canada (AANDC), Environment Canada (EC) and Kitikmeot Inuit Association (KIA) on June 11, 2013, May 16, 2013 and May 24, 2013, respectively.

Upon review of the request, supporting documentation, terms and conditions in Licence 2BE-IZO1217, and submissions from interested persons and/or parties, the NWB is satisfied that the activity, as proposed by the Licensee, would not directly or indirectly impact surface and groundwater, which is a requirement under Section 12.1(a), (b) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act, and maintain its obligations to adhere to the terms and conditions in licence. The NWB has, therefore, approved the request under motion No. 2013-B1-013, dated June 18, 2013, for an open burning of untreated and unpainted wood materials to be carried out in summer 2013.

P.O. Box 119, Gjoa Haven, NU XOB 1JO, Tel: (867) 360-6338, Fax: (867) 360-6369



P.O. Box 360 Kugluktuk, NU X0B 0B0 Telephone: (867) 982-3310 Fax: (867) 982-3311 www.kitia.ca

Kugluktuk

5d5_56D56

Bathurst Inlet Kingaok 50% UDa

Bay Chimo Umingmaktok ▷୮°L७ఏ%

Cambridge Bay Ikaluktutiak ムちょうらへくち

> Gjoa Haven Okhoktok トルトルント

> > Taloyoak

Kugaaruk di∪5√b

INUIT OWNED LAND USE LICENSE KITIKMEOT INUIT ASSOCIATION

LICENSE NO. KTL306C019

MMG Resources Inc.

LICENSEE

Subject to the Terms and Conditions of this License, authority is hereby granted to:

To proceed with Land Use operation described in the accepted application dated: 01/14/13

Location: Inuit Owned Lands CO-05, CO-40, CO-82

Type of Operation: Drilling (diamond/ice, etc.), Archaeology, Research (wildlife/fish/birds/marine), Collection of Species

Commencement Date: February 16, 2013 Expiry Date: February 15, 2014

This 4 day of February 2013

Kitikmeot Inuit Association

LANDS & ENVIRONMENT

The Licensee acknowledges and agrees to comply with Terms and Conditions of this License.

MMG Resources Inc.

By_____AUTHORIZED SIGNATORY

Affiliates: Nunavut Tungavik Inc., Inuit Tapirisat of Canada, Kitikmeot Corporation

Appendix III: Water Usage – Domestic and Industrial

	2013								
	WATER U	SAGE TRACKING							
/,/,_\	IZOK PRO	JECT							
VIVIG									
			MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
	CAMP USI	E (DOMESTIC)	0.0	2.7	34.5	44.2	43.4	51.7	0.0
	CORE SHA	ACK	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DRILL#1		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DRILL#2		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DRILL#3		0.0	0.0	0.0	0.0	0.0	0.0	0.0

The above table provides a monthly summary of water use measured in \boldsymbol{M}^{3}

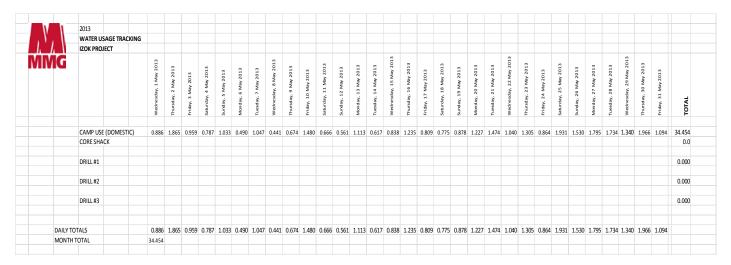
Detailed daily figures for each month are provided below.

No industrial water usage was recorded during the 2013 field campaign

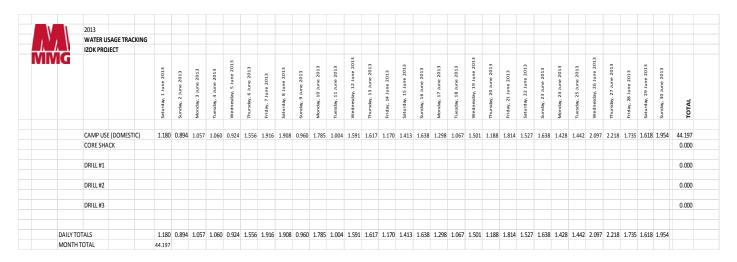
<u>April</u>

- N	2013																																
. ' .	WATER US	AGE TRACKI	NG (CUBIC I	METER	S)																												
+ $+$ $+$ $+$ $+$	IZOK PROJ	CT																															
IMG			Monday, 1 April 2013	Tuesday, 2 April 2013	Wednesday, 3 April 2013	Thursday, 4 April 2013	Friday, 5 April 2013	Saturday, 6 April 2013	Sunday, 7 April 2013	Monday, 8 April 2013	Tuesday, 9 April 2013	Wednesday, 10 April 2013	Thursday, 11 April 2013	Friday, 12 April 2013	Saturday, 13 April 2013	Sunday, 14 April 2013	Monday, 15 April 2013	Tuesday, 16 April 2013	Wednesday, 17 April 2013	Thursday, 18 April 2013	Friday, 19 April 2013	Saturday, 20 April 2013	Sunday, 21 April 2013	Monday, 22 April 2013	Tuesday, 23 April 2013	Wednesday, 24 April 2013	Thursday, 25 April 2013	Friday, 26 April 2013	Saturday, 27 April 2013	Sunday, 28 April 2013	29 April 2	Tuesday, 30 April 2013	TOTAL
	CAMP USE	(DOMESTIC)																									0.704	0.888	0.250	0.460	0.299 0.	148	2.749
	CORE SHA																																0.0
	DRILL#1																																0.0
	DRILL#2																																0.0
	DRILL#3																																0.0
DAILY	TOTALS		0.	0 0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.3	0.5	0.3	0.1	
MONT	'H TOTAL		2.	7																													

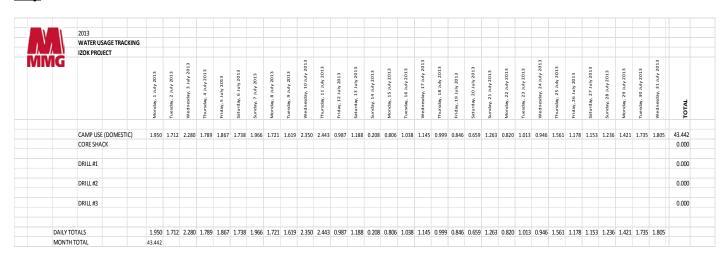
May



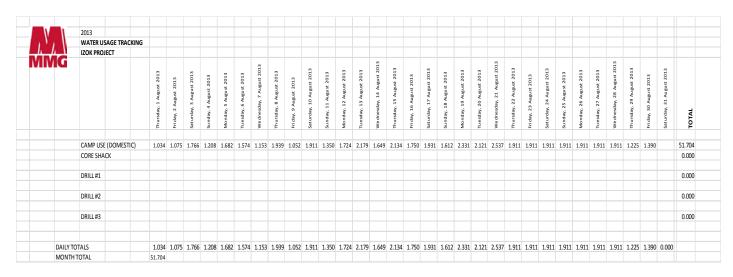
<u>June</u>



July



August



Appendix IV: Water Testing Results

Water testing is a requirement associated with winter drilling off of lake ice. No under ice water testing was carried out in 2013

Appendix V : Water Sampling Photos

See above, no water testing was carried out.

Date

WILDLIFE SIGHTING SHEET - 2013 IZOK PROJECT SITE

Name MESUN

GEO CREW

GEO GREG

GOOLREW

ANDY, BILL

BIGL, ROB +HANNAH

11

08/04/3

- ROB



Notes

N. Itchen 01/05/13 Shell JERR 25 km N Musk Ox herd tevil 200+ CAR, 1000 BALLIN' 11 Medin N. Tavogoso Major Laydan Sared off GVIZZLY Barr K. Post 11 Jun 13 Ed 6 caribou Runway/Lake OUTFIOW Wollevanl MARV: H IZOK LK OUTFIOW CAR. DOU IN WATER? Wolf + MARU'N Bull COR, how RENAGADE work on store ARCTIC FOX LEO CREW ARKA AREA 4 MUSKOX Josh Caibou Acretio MAJOR CARL WXF 16/07/13 LAYDOWN BIN CAMP WALKING GEIZZLY BEAR Ed : ALESTRIP 1 MUSKOK & HERD OF & GEO CPEW 10MILES N. OF CAMP

CARIBOU/ MOTHER

IWOLF WITH A

3-4 WOLVES

3-4 CARIBOU

APPOX. 10 CARIBOU

APPdx 25

MUSKOX

IN DIFFERENT AREAS

CALF

Wildlife Observed

Arctic Pox

Location

10KM WEST

OF ADGRONE 41

106 BONE

DOG BONE STAKING

INSURED BACK

ROCKINGHORSE HERD HAS BEEN INARED FOR THE

11

SW OF

Please try to provide as many details as you can - If you saw a cow caribou and a calf, make #Rotrem a note of that. If you saw animal tracks, such as wolverine or bear, that's important information too. The more specific about the location the better (Please ask the camp manager for detailed information about the name of where you were working - ie. Drill 1232 doesn't help us becuase the drills are moving all the time). Thanks for taking a few momwnts to write down what you saw.

23

Appendix VII : Monthly Waste Control Documentation

MAY 2013

						3
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	The second secon	Monthly Inci				1
VIVIC	Pacto (LBS)	Kitchen Waste (LBS)	The second secon	Wood (LBS)	Household (LBS)	Initials
8/05/2013	14.55	40.44	21.68		1551	
9/05/2013	16.88	40.34	2.91		6.04	
0/05/2013	20.30	38.54	4.59		278	
1/05/2013	24.36	28.59	1.05		·	
2/05/2013	18.75	30.70			7.20	
3/05/2013	14	41.93				•
4/05/2013	13.5	42			10.5	
5/05/2013	12003	GU	LOOX			
6/05/2013	15.	1 135	2600		50000	
7/05/2013	14,	24,26				
8/05/2013	14.5	36.77	*/		4.5	
9/05/2013	10	27				
0/05/2013	17.5	35	1301		5	
1/05/2013	12.2.	28			4,56.	
106/13	148	62	3 Box			
106/1	4.8	18.6	0.5			
1-11/	/	100				
	- NIPO ANTA					
						/
		;				

\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	N	Monthly Inci	neration	Trackin	g Sheet	
MINIG	Pacto (LBS)	Kitchen Waste (LBS)	Cardboard (LBS)	Wood (LBS)	Household (LBS)	Initials
01/06/2013	14.8	62	3 Bex			
02/06/2013	4.8	18.6	0.5			
03/06/2013	5.75	51-0	1.0			
04/06/2013	7	18.	2 .		12	
05/06/2013	7	79.4				
06/06/2013	4	41.3			4.8	
07/06/2013	31.28	3988	1.02		3.46	
08/06/2013	2877	76	1.00			
09/06/2013	24,6	61.8				
10/06/2013	31.48	13.67				
11/06/2013	30.24	106.72	3,58		14,50	
12/06/2013	7372	63.79	7,49		1	
13/06/2013	1294	38.25	2.00,31 box			
14/06/2013	27,05	54.3	2.00		5.21	
15/06/2013	16.86	33	5 boxs			
16/06/2013	2017	10434			11-68	
17/06/2013	1879	41 '	2 box2		8.69	7.
18/06/2013	17	44.70	2-1000			
19/06/2013	5.6	46.29	2 6085		7.51	
20/06/2013	18.04	54.10	29508	,		
21/06/2013	2019	43.64	4		754	- 45
22/06/2013	1768	3694	4 h0x		1 2 21	1
23/06/2013	1737	(01.31	4 box		6.81	1
24/06/2013	22.01	53.41	6 box		667	
25/06/2013	07098	17.58	1 b6x		5.87	,
26/06/2013	17.04	24.92				
_	22.54	56.49	7/1/			
28/06/2013	THE RESERVE OF THE PERSON NAMED IN	70.2	34.60			
	23-32	53.72	12.63		10	
30/06/2013	19.92	5356			17-79	
		,/	1		+19.93	

JULY 2013

	n	ronthly	· 特殊的 200		To the last	37:4
	Pacto (LBS)	Kitchen Waste (LBS)		Wood (LBS)	Household (LBS)	Initials
01/07/2013	17.36	62.77	6.12		52.26	
	20.92	59.09	133		4.73	
03/07/2013	28.68	68-14	632	2 163	7.40	
	13.17	61.59	0		29.87	-
05/07/2013	38.22	54.35	24.86		8.92	
06/07/2013 2	23.84	54.22	11.65		5.79	
07/07/2013	2934	64.81	0	Sec.	4.35	
08/07/2013	27.33	58.17	6.32		9.78	21/
09/07/2013	25.17	59.29	3.26		4.56	
10/07/2013	26.19	22.2253,54	0		8.28	X
11/07/2013	50.64	58.81	28.07		9.14	
12/07/2013	4.56	45.12			The state of the s	
13/07/2013	412	32.38	1.60	7	3.42	
14/07/2013	6.59	42.37	1	Name of the	8:22	
15/07/2013	3.79	23.94	3.24	The state of the s	6.39	
16/07/2013		21.20	The same		31.32	
17/07/2013	27.24	38.91	· L		6.17	
18/07/2013	1	31.43	A STATE OF THE STA	1	No.	
19/07/2013	0.74	19.48	2 box	7.45	7.35	
20/07/2013		24.95	1000	9.06	19.64	
21/07/2013	7.89	33.84			300	
22/07/2013		16.48		THE THE	3.62	
23/07/2013	1.47	29.74	- W	Plane	6.87	
24/07/2013		31.65	1 box			
25/07/2013	17.52	47.38	And the		1000	Con Contract
26/07/2013	2				IN INTE	
27/07/2013	25.62	26.67	4 box	24,00		Yes
28/07/2013	12.97	19.07		8.48	2,	
	16.67	74.67	2604	3.5	2.62	
30/07/2013						
31/07/2013	9			×		

AUGUST 2013

/ \ \	Monthly Inci	ineration	Trackin	g Sheet	
Pacto (LBS)	Kitchen Waste (LBS)		-	Household (LBS)	Initials
30/07/2013 /5	48	J baxes	25	4	
31/07/2013	35.92	6 boxs	13	1.98	
01/08/2013	29.78	7	1	5.13	1
02/08/2013	7.90	9.04			7"
03/08/2013 /0.40	15.82		7	12.39	
04/08/2013 10.44	24 28	11	33.94	1.33	
05/08/2013 343	7.70		41.57		0
06/08/2013 26 58	53.35	THURSDAY	P. P.	4.98	
07/08/2013	93.51	7.05	* AST	HANNING.	
08/08/2013 13 48	68.0	5	45.37	16.13	447
09/08/2013 35:07	100.17	48.71	. 1		
10/08/2013 21.53	57.40	WE ST	A - 13	4.60	. F . S. S.
11/08/2013 25.22	51-32	9		2.73	
12/08/2013 22. //	43.71		The same of		4 +
13/08/2013 32 -44	29.18			15.91	The same of the sa
14/08/2013 28.66	49.7.3			The state of	
15/08/2013 21.45	55-21		A STATE OF THE PARTY OF THE PAR	15.34	No.
16/08/2013 46 49	57.45	14.21		- 1 - 2 may	
17/08/2013 35.03	61-19		ALVE THE REAL PROPERTY.	* 74	-
18/08/2013 39.57	71.03		# .	8115	
19/08/2013 41 30	56.40		10		
20/08/2013 46.34	58.12	7.5		12.93	1
21/08/2013 31.15	49.38	No.	11	8.84	
22/08/2013 28.34	51.36	10	5	16	
23/08/2013 4739	-7 .			23.65	100
24/08/2013 29.98	53.59		8:43	THE STATE OF	1
25/08/2013 40.05	69,95		\$45,00,200	28.49	1
26/08/2013 3 10	67.91		7.07 2.0	30.82	
27/08/2013 18.14	71168			13.29	
28/08/2013 29.65	51.61	1	100	89.99	
29/08/2013 /6.36	48.87	737		18.32	
30/08/13 14.05	35.90	35.67		2405	V



Date: May 31st, 2013

KBL Job #K1527

KBL Environmental Ltd hereby certifies that the waste shipped from MMG-Izok, on KBL Bill of Lading #3988 which was received at KBL Environmental Ltd. on May 24th, 2013 and has been processed, recycled/disposed of in accordance with all applicable Federal and Territorial /Provincial Regulations.

Generator:

MMG NUG 1000056

Issued By:

Jeff Bembridge Operations Manager KBL Environmental Ltd.

NTR 0000123



Date: June 20,2013

KBL Job #K1540

KBL Environmental Ltd hereby certifies that the waste shipped from MMG-Izok, on KBL Bill of Lading #3389 and federal manifest NT07388-1 which was received at KBL Environmental Ltd. on June 10, 2013 and has been processed, recycled/disposed of in accordance with all applicable Federal and Territorial /Provincial Regulations.

Generator:

MMG NUG 1000056

Issued By:

Jeff Bembridge Operations Manager KBL Environmental Ltd.

NTR 0000123



Date: July 20th, 2013

KBL Job #K1580

KBL Environmental Ltd hereby certifies that the waste shipped from MMG-Izok, on KBL Bill of Lading #2828 and federal manifest NT07237-0 which was received at KBL Environmental Ltd. on July 5th, 2013 and has been processed, recycled/disposed of in accordance with all applicable Federal and Territorial /Provincial Regulations.

Generator:

MMG

NUG 1000056

Issued By: Jeff Bembridge

Operations Manager

KBL Environmental Ltd.

NTR 0000123



Date: August 15th, 2013

KBL Job #K1639

KBL Environmental Ltd hereby certifies that the waste shipped from MMG-Izok, on KBL Bill of Lading #3517 which was received at KBL Environmental Ltd. on August 9th, 2013 and has been processed, recycled/disposed of in accordance with all applicable Federal and Territorial /Provincial Regulations.

Generator:

MMG

NUG 1000056

Issued By:

Jeff Bembridge Operations Manager

Beulolg

KBL Environmental Ltd.

NTR 0000123



Date: August 25th, 2013

KBL Job #K1646

KBL Environmental Ltd hereby certifies that the waste shipped from MMG-Izok, on KBL Bill of Lading #3484 and federal manifest NT07401-2 which was received at KBL Environmental Ltd. on August 19th, 2013 and has been processed, recycled/disposed of in accordance with all applicable Federal and Territorial /Provincial Regulations.

Generator:

MMG

NUG 1000056

Issued By:

Jeff Bembridge Operations Manager

y bemloze

KBL Environmental Ltd.

NTR 0000123



Date: September 20th, 2013

KBL Job #K1674

KBL Environmental Ltd hereby certifies that the waste shipped from MMG-Izok, on KBL Bill of Lading #3203 and federal manifest NT07421-0 which was received at KBL Environmental Ltd. on September 10th, 2013 and has been processed, recycled/disposed of in accordance with all applicable Federal and Territorial /Provincial Regulations.

Generator:

MMG NUG 1000056

Issued By:

Jeff Bembridge Operations Manager KBL Environmental Ltd.

NTR 0000123



WASTE DISPOSAL PLAN SLAVE PROJECTS

AMMENDED OCTOBER 2012

MMG RESOURCES 26 – 1177 W. HASTINGS ST. VANCOUVER, BC V6E2K3

Guidelines for Waste Incineration

- 1. All waste will be categorized and any materials not in accordance with the Department of Environments Policy "Municipal Solid Wastes Suitable for Open Burning" will be removed from the waste stream. Only kitchen waste, sewage, and untreated wood and paper products are approved for incineration.
- 2. Kitchen and human waste is to be collected and incinerated on a daily basis. If volumes warrant then twice daily.
- 3. "wet" biological waste from kitchens or toilet facilities will be mixed in small volumes with more combustible paper and cardboard materials to ensure total elimination during incineration.
- 4. A suitable temporary storage facility for garbage awaiting incineration is required that is impervious to wildlife and decreases odours.
- 5. Any recyclable materials (plastic bottles, aluminium cans) will be separated, packaged appropriately for transport and removed from site for handling in Yellowknife.
- 6. Clearly marked separate containers for easy categorization of refuse is encouraged.
- 7. Any industrial refuse contaminated with petroleum based products from lubricants, fuels, or additives will be appropriately packaged for transport to Yellowknife and handling by KBL.
- 8. Any batteries, chemicals, or other waste categorized as dangerous or hazardous goods will be appropriately packaged and transported to Yellowknife for proper handling and disposal KBL.
- 9. Daily records of waste streaming and incineration will be kept and be available upon request to inspectors.
- 10.Records will be kept of all refuse shipped to Yellowknife for disposal, including date, volume, and category. Chain of custody and final disposal records will be requested from Expediter and KBL Environmental to fully document waste disposal. Copies of final disposal certificates will be provided to AANDC with annual reports.

Waste handling procedure and incinerators at exploration camp locations will be inspected on a monthly basis and reviewed for adequacy and performance in regards to the waste stream that they handle, with the following specifics in mind:

- Operating temperature and complete incineration of waste.
- Composition of remaining ash
- Containment of liquid waste within combustion chamber and structural integrity of the burn chamber.
- Integrity and proper function of the stack.
- Care and maintenance of incinerator and burner.
- Accuracy of records and reporting of transport and disposal

For further information, Environment Canada's guide to batch incineration should be consulted. A copy of summary information for this document is provided here.

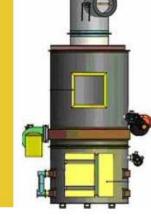


Fact Sheet: Technical Document for Batch Waste Incineration

The Technical Document for Batch Waste Incineration provides guidance for owners, operators and regulators on the appropriate incineration technologies and best management practices to minimize releases of toxic substances into the environment.

Six Steps to Better Incineration

- 1 Understand Your Waste Stream
- 2 Select the Appropriate Incinerator (or Evaluate the Existing System)
- 3 Properly Equip and Install the Incinerator
- 4 Operate the Incinerator for Optimum Combustion
- 5 Safely Handle and Dispose of Incinerator Residues
- 6 Maintain Records and Report



For more information, please see the complete document at:

www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1

Contact information:

TMB@ec.gc.ca or 819-997-3377



More Details About the Six-Step Process for Batch Waste Incineration

1

Understand Your Waste Stream

The first step in managing your waste is understanding what the waste is. Perform a waste audit to understand its quantity and composition. Based on the results, you can assess what appropriate disposal options should be undertaken. Remember the "3Rs": Reduce, Reuse and Recycle.

2

Select the Appropriate Incinerator (or Evaluate the Existing System)

To ensure that a suitable incinerator is chosen, the call for proposals for incinerator manufacturers who want to provide service for you should include specific information on the characteristics of the residual waste stream you need to dispose of. For facilities with existing incinerators, owners/operators should reassess the suitability of the existing system to manage the current waste stream. The recommended configuration is a dual chamber controlled air incinerator.

3

Properly Equip and Install the Incinerator

Make sure that building and equipment considerations are well planned during the design phase, before installing the incinerator.

4

Operate the Incinerator for Optimum Combustion

To ensure optimum combustion conditions, the incinerator must be operating correctly. Proper operation includes separating the waste, weighing it, mixing it for a specified calorific value, and closing the incinerator door once the waste is loaded, and not re-opening it until the burn is complete. Important considerations such as appropriate operator safety training should be completed.

5

Safely Handle and Dispose of Incinerator Residues

Ash from the primary chamber of the incinerator can contain materials that are hazardous to the operator's health and to the environment. Operators should use personal protective equipment when handling this material. The ash should be disposed of at an approved disposal site.

6

Maintain Records and Report

To demonstrate appropriate operation and maintenance of the incinerator, the facility must maintain records and prepare an annual report.

For more information, please see the complete document at: www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1

Contact information:

TMB@ec.gc.ca or 819-997-3377

Cat. No.: En14-17/3-2011E-PDF ISBN: 978-1-100-17784-7 Photos: © Photos.com – 2011 For information regarding reproduction rights, please contact Public Works and Government Services Canada at 613-996-6886 or at droidauteur.copyright@hysgo-pwgsc.ga.ca © Her Majesty the Queen in Right of Canada, represented by the Minister of the Environment, 2011 Ausst disponible en tranquis



DOUBLE CHAMBER CYCLONATOR INCINERATOR

SERIES CY2000



CY-2020-FA "D"

[Photo: Diesel fired unit]

- Built In Safety Features
- Readily Transportable
- Economical Operation
- Clean Burning

Designed for Waste Disposal

Primary Chamber Volume / Heat Release

0.5 m³ / 300 MJ/h

Waste Types / Approx. Capacity

- Type No. 1: 20* kg/h
- Type No. 2: 30* kg/h
- Type No. 3: 50* kg/h (* based on 6 loads/h)

Power Requirements

115 volts 60 cycle single phase.

Stack

- 14 gauge stainless steel.
- 33 cm diameter
- 3 m high.
- c/w stainless steel spark arrester and a hinged base plate for transport.

Casing

- 12 gauge steel.
- Lining: high heat duty castable refractory over high temperature insulation.

Hearth

Refractory hearth over 6.35 mm steel

Doors

- 6.35 mm steel plate c/w heavy duty blade latch.
- Charging Door
- 46 cm x 61 cm clear opening. Refractory lined over steel plate.
- Ash Door
 - o 46 cm x 30 cm clear opening.
 - Refractory lined over steel plate.

Air Supply

Forced air fan c/w duct to primary air jets and to secondary over-fire air jets.

Timers

Cycle timer interconnected to air supply fan and gun type burner enclosed in burner housing.

Burners

- 490,000 Btu gun type primary burner. The gun burner is enclosed in protective plate steel housing.
- 280,000 Btu gun type burner in the secondary combustion chamber.

Fuel Supply Options:

- Natural gas "N"
- LPG "LPG"
- Diesel "D" requires a 450 litre fuel storage tank c/w filter and flexible hose type connection.

Transporter

- Incinerator and fuel storage mounted on skid type frame 365 cm long x 152 cm wide.
- Height: 2.64 m, with stack folded.
- Constructed of 15 cm I Beam c/w bumper

Weight

2268 kg.

Options

- LPG, fired burner.
- Diesel fired burner.
- 2.3 m Electric power cord
- Stack winch.
- 1.3 m3 model CY-2050-FA.
- Cold climate assembly.

MANUFACTURED BY:



Environmental Services Inc.

20204 - 110 Avenue, Edmonton, AB Canada T5S 1X8 Phone: (780) 447-5052 Fax: (780) 447-4912 E-MAIL info@westlandenvironmental.com

DISTRIBUTED BY:

Appendix X : Spill Contingency P	lan
----------------------------------	-----

The complete Spill Contingency Plan is provided in digital format on the CD that accompanies this report.

Appendix XI: Abandonment and Restoration Plan

The complete Abandonment and Restoration Plan is provided in digital format on the CD that accompanies this report.

Appendix Apendix IX : Photos Izok Izok Camp on Ham Lake - 2013 site photo



Looking South with airstrip at top of photo



Looking West over Ham Lake, airstrip is out of frame to left

Addressing 2012 Inspection Observations:



Fuel farm prior to installation of secondary containment berms



Fuel farm after installation of secondary containment berms



Core storage area (to far right of photo) prior to 2013 modifications



Core storage area following organization and modifications to ensure that structures are 33m from the shoreline of Ham Lake.

Note removal of historic fuel farm.



Laydown area prior to 2013 clean up



Laydown area following clean up



Historic fuel farm prior to removal of tanks



Fuel farm pad after removal of bulk storage tanks