

Tahera Diamond Corporation Exploration Office #7-68 Schooner St Coquitlam BC V3K 7B1

August 30, 2007

### Attn. Phyllis Beaulieu

Manager of Licensing Nunavut Water Board PO Box 119 Gjoa Haven, Nunavut X0B 0J0 (867) 360-6338

#### **Summary Report for 2007 Polar Property**

This summary report should be read in conjunction with the tables "Polar 2007 Annual Report Tahera".

During 2007, no Exploration Programs were completed on the Polar Property by Tahera Diamond Corporation. However the camp was utilized during the summer for approximately three weeks. The camp was opened due to a diesel spill. The spill at Muskox has been reported to the Nunavut Govt. (Ref: 07-295). Approximately one week after the camp was opened to clean the spill up, Nordic Diamonds used the camp for their soil sampling and geophysics program on an adjacent property. The camp was operated and managed by Tahera personnel during this time.

Water was used for domestic purposes at Muskox Camp. Domestic uses include: water required for cooking, cleaning, showers, drinking, etc and averaged (estimated) 3 cubic metres per day. The camp facilities were in operation for approximately 22 days and therefore total water usage is estimated to be 88 cubic metres. The water was sourced from Muskox Lake which is proximal to Muskox Camp. The pump used is a ½ HP 115 V pump. The water intake is equipped with a mesh screen with a screen size less than 2.54 mm to prevent the entrapment of fish as per DFO guidelines. Water was filtered with a particulate filtration system as well as a UV filter.

Sewage and waste was managed in accordance with the plan submitted in the Remote Camp Questionnaire and the "Advanced Exploration Questionnaire". This plan has been submitted with this annual report. "Pacto" brand latrines are installed in the camp and human waste was burnt daily in the camp incinerator. Grey water was disposed in the sump next to the kitchen. A grease trap was installed in the kitchen and this was cleaned thoroughly at the end of the program. The sump is sealed and insulated and was monitored daily. There were no operational problems. Burnable waste was incinerated in

camp. Non-burnable material, including incinerator residues, was backhauled to Yellowknife. Scrap metal, aerosols, batteries, as well as bulky items were included in the non-burnable material. Waste oil was removed to the Jericho minesite where it will eventually be hauled off site with a waste manifest as per EPS procedures.

The spill at Muskox was responded to as quickly as possible. A thorough site remediation and impact mitigation plan was enacted. This detailed plan has been reported to Andrew Keim, Water Resources Officer, at the INAC Nunavut Regional Office. The cause of the spill was melting snow on a fuel bladder, causing fuel to escape from the vapour vent. Due to the large volume of melting snow, the containment berm overflowed, and the diesel spilled onto the ground. The spring runoff carried some diesel towards the lake which is 50 m away. A light diesel film was observed in a localized area on the surface of the lake, and some residue was trapped on the shoreline. It is thought about 1200 litres were spilled, although only a tiny fraction of this is believed to have reached the water. The immediate response was to soak up the surface fuel with enviromats and place booms in the lake where the spill occurred. More booms were placed at the outlet of the lake. A thorough clean up of the lake shore and spill site was conducted. Photographs, maps and gps coordinates have been submitted with the plan.

The site was inspected by Andrew Keim and two other officers from INAC, as well as KIA Lands Officer, Stanley Anablak. David Tilden, (HazMat Specialist, Emergencies Officer, Environmental Emergencies Program, Northern Office, Environment Canada, Environmental Protection Operations) also provided advice and literature on remediation.

The remediation included removing a large quantity of soil (approximately one hundred drums), at the immediate spill site, as well as using "enviromats" to soak up residual surface diesel. Water tests have been taken by both INAC and Tahera, and available results from Tahera samples submitted to Andrew Keim. Further monitoring will include soil sampling and more water tests, which will take place in the coming months and year. Results will be submitted to Andrew Keim. The spill response was in accordance with Tahera's Spill Contingency Plan, along with on and off-site advice from the officials mentioned above.

The following maps and documents should be considered in the reading of this document.

- Polar Final Abandonment and Restoration Plan
- Polar Spill Contingency Plan
- Detailed map of Muskox Camp

2007

### **NWB Annual Report**

Year being reported:

License No:

NWB2ROC0305

Issued Date: Expiry Date:

February 1, 2003

February 28, 2005

Project Name: Polar

Licensee: Tahera Diamond Corporation

Mailing Address: #7-68 Schooner St Coquitlam BC V3K 7B1

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

General Background Information on the Project (\*optional):

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

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

Water Source(s): Water Quantity:

Lake adjacent to camp

25 cu.m/day

4 cu. m/day

50 cu.m/day

O cu. m/day

Cuantity Allowable Domestic (cu.m)

Actual Quantity Used Domestic (cu.m)

Quantity Allowable Drilling (cu.m)

Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

All grey water from domestic use was contained in a grey water sump.

Additional Details			
Additional Details	<b>).</b>		
A list of unauthorized discha	arges and a summary c	of follow-up actions taken.	
	07-295	(as reported to the Spill Hot-line)	
·	mid June 2007		_
	on to an Inspector:	June 27, 2007	
Additional Details	3: (impacts to water, mitigation	measures, short/long term monitoring, etc)	
	minimal impact to w	rater. Mitigation measures and	
		llined in accompanying report	
	D		
Revisions to the Spill Contin	igency Plan		
Additional Details	3:		
Revisions to the Abandonme	ent and Restoration Pla	an	
Drograpaiva Paalamatian Wa	ork Undortokon		
Progressive Reclamation Wo	ork Ondertaken		

All sites that were drilled during the 2006 drilling program have been inspected and cleaned up.

**Results of the Monitoring Program including:** 

	Co-ordinates (in degrees, min urces of water are utilized;	utes and seconds of latitu	de and longitude) of each locat
Additional	Details:		
	Co-ordinates (in degrees, min stes associated with the licen		de and longitude) of each locat
Additional	Details:		
Results o	f any additional sampling and	or analysis that was requ	ested by an Inspector
Initial resu	Its of 2007 water testing are incl	uded in the correspondence	).
Additional	Details: (date of request, analys	sis of results, data attached,	etc)
Any other details on w	ater use or waste disposal re	quested by the Board by N	lovember 1 of the year being re
Additional	Details: (Attached or provided b	pelow)	
Any responses or follo	ow-up actions on inspection/o	compliance reports	
Additional	Details: The spill remedia	ation is ongoing, and include	es consultation.
Any additional comme	ents or information for the Boa	ard to consider	

Date Submitted: Submitted/Prepared by: August 31, 2007

Ferg McDonnell

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## **GPS Coordinates for water sources utilized**

	Latitude			Longitude		
Source Description	Deg	Min	Sec	Deg	Min	Sec
	Ō	,	"	Q	,	"
Lake (camp)	65	58	38.64	111	44	59.82

# **GPS Locations of areas of waste disposal**

Location Description (type)	Latitude		Longitude			
	Deg	Min	Sec	Deg	Min	Sec
	Ō	,	"	Q	,	"
sump(camp)	65	58	37.48	111	44	59.003