



**APPLICATION FOR CERTIFICATE OF APPROVAL
(AIR AND NOISE)
GOLDCORP CANADA LTD.
PORCUPINE GOLD MINES
HOLLINGER PROJECT**

Submitted by:

**AMEC Earth & Environmental
a division of AMEC Americas Limited
3190 Steeles Ave. East, Suite 305
Mississauga, Ontario
L3R 1G9**

July 2011

TC81525.4200

July 11, 2011

TC81525.4200

Ministry of the Environment
12Ath Floor
2 St. Clair Avenue West
Toronto, Ontario, M4V 1L5

Attention: Ms. Doris Dumais, Director
Certificates of Approval, Environmental Assessment and Approvals Branch

Dear Ms. Dumais:

**Re: Basic Comprehensive Certificate of Approval (Air & Noise) Application
Goldcorp Canada Ltd., Porcupine Gold Mines, Hollinger Project**

On behalf of Goldcorp Canada Ltd., please find enclosed three (3) copies of an Application (c/w an Acoustical Assessment Report and an ESDM report under separate covers) for a Basic Comprehensive Certificate of Approval (Air & Noise) for a gold mining facility ("Hollinger Project") in Timmins, Ontario.

The application package addresses all potential site-wide emissions for all compounds associated with the facility. The report was prepared based on O. Reg. 419/05 in accordance with MOE Emissions Summary and Dispersion Modelling (ESDM) reporting guidelines. All emitted compounds are found to be below MOE point-of-impingement criteria.

Please find VISA card information in the application form for the application processing fee in amount of \$3,000.00.

We look forward to your timely review of this application. If you have any questions pertaining to this application, please contact the undersigned.

Yours truly,
**AMEC Power & Process Americas,
a division of AMEC Americas Limited**
On Behalf of Goldcorp Canada Ltd.



Tony van der Vooren, Ph D, P. Eng, QEP
Manager, Air Quality

cc: District Manager, MOE, Timmins District Office, Ontario Govt. Complex,
Hwy 101 East, P.O. Bag 3080, South Porcupine, ON, P0N 1H0 (1 copy)
Laslo Gotz: Environmental Manager, Goldcorp Canada Ltd - Porcupine Gold Mines,
4315 Gold Mine Road, South Porcupine, ON, P0N 1H0 (2 copies)

Encl.



For Office Use Only			
Reference Number	Payment Received	Date (y/m/d)	Initials
	\$		

General Information and Instructions

General:

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, C. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA. This form must be completed with respect to all requirements identified in the Guidance Material listed below in order for it to be considered an application for approval. **INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.** Even if the application is accepted as complete, the Ministry of the Environment may require additional information during the technical review of the application.

Instructions:

- Applicants are responsible for ensuring that they complete the most recent application form.** When completing this form, please refer to the following Guidance Material: the "Guide to Applying for Approval (Air & Noise), Section 9, EPA" and the "Guide - Application Costs for Air Emissions, S. 9, EPA". Application forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at <http://www.ene.gov.on.ca/envision/gp/index.htm#PartAir>.
- Questions regarding completion and submission of this application should be directed to the Environmental Assessment and Approvals Branch of the Ministry of the Environment at the address below or to the local District Office which has jurisdiction over the area where the facility is located. A list of these District Offices is available on the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/envision/org/op.htm#Reg/Dist>.
- A complete application package consists of a completed, signed application form and all required supporting information required by O. Reg. 419/05, identified in this form and the Guidance Material.
- Three application packages must be submitted to the Ministry of the Environment. Two application packages, the original and a copy must be sent to:

Ministry of the Environment,
Director, Environmental Assessment and Approvals Branch,
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario, M4V 1L5
Phone: 416-314-8001
Toll Free: 1-800-461-6290
Email: EAABGen@ene.gov.on.ca

These application packages should include a cheque, money order or credit card payment, in Canadian funds, made payable to the *Ontario Minister of Finance* for the applicable application fee. A third copy of the application package must be sent to the local District Office which has jurisdiction over the area where the facility is located.

- Information contained in this application form is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and the *EBR*. If you do not claim confidentiality at the time of submitting the information, the Ministry of the Environment may make the information available to the public without further notice to you. For more information, please refer to Section 4.9 of the "Guide to Applying for Approval (Air & Noise), Section 9, EPA".
- If the Applicant submits with the application a copy of their Master Business License (MBL) obtained from the Ministry of Government Services, the **shaded sections within this form do not need to be completed (provided the information required appears on the face of the MBL)**. For additional information on the MBL please refer to Section 4.1 of the "Guide to Applying for Approval (Air & Noise), Section 9, EPA".

1. Applicant Information (Owner of works/facility)

Applicant Name (legal name of individual or organization as evidenced by legal documents)		Business Identification Number
Goldcorp Canada Ltd.		332664-1
Business Name (the name under which the entity is operating or trading if different from the Applicant Name - also referred to as trade name)		
Porcupine Gold Mines		
Applicant Type:		North American Industry Classification System (NAICS) Code
<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Federal Government	212220 - Gold and Silver Ore Mining
<input type="checkbox"/> Individual	<input type="checkbox"/> Municipal Government	
<input type="checkbox"/> Partnership	<input type="checkbox"/> Provincial Government	
<input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Other (describe): _____	
Business Activity Description (a description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.)		
Goldcorp will operate an Open Pit gold mine.		

2. Applicant Physical Address

Civic Address- Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
130 Adelaide Street West				Suite 3201	
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory. Not required if Street Information is provided)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan			
Lot	Conc.	Part	Reference Plan		
Municipality/Unorganized Township	County/District	Province/State	Country	Postal Code	
Toronto	York County	Ontario	Canada	M5H 3P5	

3. Site Information - (location where activity/works applied for is to take place)

Is this an application for a mobile facility?		Site Name		MOE District Office	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Porcupine Gold Mines		Timmins District Office	
Address Information:					
Same as Applicant Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide site address information below)					
Site Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
4315 Gold Mine Road					
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan			
Lot	Conc.	Part	Reference Plan		
Non Address Information (includes any additional information to clarify applicants' physical location)					
Municipality/Unorganized Township		County/District		Postal Code	
Timmins		Cochrane County		P0N 1H0	
Geo Reference					
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing
Is the Site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?					
<input type="checkbox"/> Yes If yes, please attach a copy of the NEPDA permit for proposed activity/work					
<input checked="" type="checkbox"/> No					
Is the Site located on the Oak Ridges Moraine Conservation Area as defined by the Oak Ridges Moraine Conservation Plan (ORMCP), a regulation made under the Oak Ridges Moraine Conservation Act (ORMCA)?					
<input type="checkbox"/> Yes if yes, please attach proof of Municipal planning approval for the proposed activity/work					
<input checked="" type="checkbox"/> No					
Is the Applicant the operating authority?					
<input checked="" type="checkbox"/> Yes					
<input type="checkbox"/> No If no, please attach the operating authority name, address and phone number					
Is the Applicant the owner of the land (site)?					
<input checked="" type="checkbox"/> Yes					
<input type="checkbox"/> No If no, please attach the owner's name, address and a signed letter granting consent for the installation and operation of the facilities					
Has this facility and one or more adjacent facilities been deemed to be one property under s.4 of O. Reg. 419/05?					
<input type="checkbox"/> Yes If yes, please attach supporting information					
<input checked="" type="checkbox"/> No *Note: all sources from the adjacent facility must be included in the Emission Summary and Dispersion Modelling Report.					

4. Project Technical Information Contact

Name			Company		
Tony van der Vooren, Ph.D, P.Eng. QEP			AMEC Americas Limited		
Address Information:					
Same as Applicant Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide technical information contact address information below)					
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
2020 Winston Park Drive					
Delivery Designator:					
If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3)					
Municipality	Postal Station	Province/State	Country	Postal Code	
Oakville		Ontario	Canada	L6H 6X7	
Telephone Number (including area code & extension)		Fax Number (including area code)		E-mail Address	
(905) 829-5400				tony.vandervooren@amec.com	

5. Project Information

Type of Application:	
<input checked="" type="checkbox"/> New Certificate of Approval for this Facility Did construction of the facility begin after November 30, 2005? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does the NAICS Code for the facility fall into Schedule 4 or 5 of O. Reg. 419/05? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Amendment to current Certificate of Approval <input checked="" type="checkbox"/> Basic Comprehensive Certificate of Approval <input type="checkbox"/> Consolidated Certificate of Approval	
Current Certificate of Approval Number N/A	Current Certificate of Approval Date of Issue (yyyy/mm/dd) N/A
Application Initiated by: <input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Environmental Assessment and Approvals Branch <input type="checkbox"/> Provincial Officer Order (attach copy) <input type="checkbox"/> Other (specify): _____	
List all other environmental approvals/permits applied or received in relation to this project under the <i>Environmental Protection Act</i> , the <i>Ontario Water Resources Act</i> , the <i>Safe Drinking Water Act</i> , <i>Environmental Assessment Act</i> or any other related legislation. <i>(Please attach a separate list if more space is required).</i>	
A list of approvals and permits has been provided in the supporting documentation.	
Project Description Summary <i>(If EBR is applicable, this summary will be used in the EBR posting notice)</i> Goldcorp Canada Ltd. is applying for an approval for CofA (Air) for the Hollinger Project, an open-pit gold mining operation located in Timmins, Ontario. There will be no permanent structures within the project boundaries and no processing; approval is sought for ore and mine rock handling (no crushing) and the transport via haul truck to the mill for subsequent processing.	
Project Name <i>(Project identifier to be used as a reference in correspondence)</i> TC81525.4405	
Estimated date for start of construction/installation (yyyy/mm/dd) Q3 2011	Project Schedule Estimated date for start of operation (yyyy/mm/dd) 2012

6. O. Reg. 419/05 Requirements

Which of the following sections of O. Reg. 419/05 applies to the facility? <input type="checkbox"/> s.18 (Schedule 1) <input type="checkbox"/> s.19 (Schedule 2) <input checked="" type="checkbox"/> s.20 (Schedule 3)
If s.20 of O. Reg. 419/05 applies to the facility, do all new sources of contaminant meet the Good Engineering Practice (GEP) stack height requirements of s.15? <input type="checkbox"/> Yes <input type="checkbox"/> No
Has the facility been issued a notice or an order under s 7(1), 8(2), 10(2), 11(2), 13(2), 14(4), 17(3), 20(4) or 20(5)? <input type="checkbox"/> Yes If yes, please attach a copy of the notice, amended notice, revoked notice, order and/or additional supporting information <input checked="" type="checkbox"/> No
Has a request for approval for an alteration of a Schedule 3 standard under s. 32 of O. Reg. 419/05 been made for this facility? <input type="checkbox"/> Yes If yes, please attach a copy of ministry acknowledgement letter (if available) or an overview of the request <input checked="" type="checkbox"/> No
Do you exceed any s.30 Upper Risk Thresholds (Schedule 6)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach additional supporting information

7. Other Air Approvals for Facility – Please attach a separate list if more space is required

Separate list attached? Yes No

List all other environmental approvals issued to this facility under the Section 9 of the <i>Environmental Protection Act</i> . N/A

8. Environmental Assessment Act (EAA) Requirements

Are the works for which this proposal is made subject to (or exempted from) the requirements of the EAA? Yes No

If "Yes," please check one of the following

The works for which this application is made are exempt from the requirements of the EAA under:

Section _____ of Ontario Regulation No. _____ or

Declaration/Exemption Order Number _____

If Regulation, Declaration Order or Exemption Order does not refer directly to this facility, state in a covering letter or other document why it does apply to the facility – Please provide supporting information

The works for which this application is made have fulfilled all of the requirements of the EAA through the completion of the Municipal Class EA process in accordance with the procedures set out in:

Schedule A Schedule B Schedule C

If Schedule A, was the project planned in accordance with section A.2.9 – Integration with the *Planning Act* of the Class EA?

Yes No

If Yes, please submit a copy of the summary required by section A.2.9.3 of the Class EA and a copy of the Planning Act notice.

If Schedule B or C of the Municipal Class EA, please submit a copy of the Notice of Completion.

Were Part II Order requests received? Yes No

If Yes, please submit a copy of the Minister's decision letter.

The works for which this application is made have fulfilled all of the requirements of the EAA through the completion of the requirements of another class EA process:

Name of Class EA: _____

Schedule/Group/Category (if applicable): _____

If applicable, please submit a copy of the Notice of Completion.

Were Part II Order requests received? Yes No

If Yes, please submit a copy of the Minister's decision letter.

The works for which this application is made have fulfilled all of the requirements for the Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA through:

Completion of an Environmental Screening.

Completion of an Environmental Review

Please submit the Statement of Completion, and indicate if any Elevation Request(s) were received.

If Elevation Request(s) were received, please submit a copy of the Director's decision letter.

If the Director's decision was appealed to the Minister, please submit a copy of the Minister's decision letter.

The works for which this application is made have fulfilled all of the requirements of the EAA through the preparation of an environmental assessment.

Please submit a copy of the signed Notice of Approval.

Was this undertaking designated subject to the EAA by regulation? Yes No

If yes, please indicate the regulation: _____

9. Environmental Bill of Rights Requirements (EBR) Requirements

Is this a proposal for a prescribed instrument under EBR? Yes No

If "Yes", is this proposal exempted from EBR requirements? Yes No

If "Yes," please check one of the following

This proposal has been considered in a substantially equivalent process or by a decision of a tribunal. **Please provide supporting information**

This proposal is for an amendment to or revocation of an existing Certificate of Approval that is not environmentally significant. **Please provide supporting information**

This proposal is for an emergency situation. **Please provide supporting information**

This proposal has been subject to or exempted from EAA Requirements. **Please provide supporting information**

10. Additional Public Consultation/Notification

Separate list attached? Yes No

Specify all public consultation/notification (such as public hearings, notification of First Nations, request for an Alternative Standard under s.32 of O. Reg. 419/05, etc.) related to the project that have been completed or are in the process of being completed. Please attach a separate list describing each of these consultation activities, the results achieved, and planned future consultation activities.

There has been substantial government agency, aboriginal and public consultation related to the Hollinger project. Additional information is provided in an appendix to the Application report.

11. List of Attachments - This is a list of all supporting information to this application and is subject to the Freedom of Information and Privacy Protection Act and the Environmental Bill of Rights.

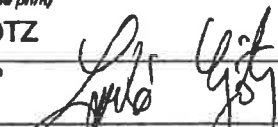
Attachment	Attached	Reference	Can be disclosed
Information Required by Application Form			
Supporting Information Worksheet - Supplement to Application for Approval, EPA S.9 (PIBS 4873)	<input checked="" type="checkbox"/> Yes	Appendix B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Costs for EPA S.9 Applications - Supplement to Application for Approval (PIBS 4108)	<input checked="" type="checkbox"/> Yes	Appendix C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Application Fee (cheque or money order attached or credit card information provided)	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> Yes <input type="checkbox"/> No
Information Supporting Compliance with O. Reg. 419/05			
Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 of O. Reg. 419/05 (including signed checklist - PIBS 5357e)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, indicate why: <input type="checkbox"/> Minor Amendment (no technical review) <input type="checkbox"/> Equipment Subject to Streamlined Review <input type="checkbox"/> Subsurface Approval	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit - Supplement to Application for Approval, EPA S.9 (PIBS 4872)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Information Supporting Compliance with Noise and Vibration Guidelines			
Noise Screening Process for S.9 Applications - Supplement to Application for Approval (PIBS 4871)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Does the Equipment/Facility meet minimum separation distance?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
If the Equipment/Facility does not meet minimum separation distance, then attach:			
1. Acoustic Assessment Report including signed checklist (PIBS 6360e)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Separate Cover	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. Vibration Assessment Report	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other information Supporting Compliance With Applicable Regulations and Guidelines or to Describe the Project (include separate list if required)			
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

12. Payment Information

Amount Enclosed: \$ 3000 Please attach completed "Costs for EPA s.9 Applications - Supplement to Application for Approval" (PIBS 4108).

Method of Payment
 Cheque Money Order VISA MasterCard American Express

Credit Card Information (if paying by VISA, MasterCard or American Express)*
 Name on Card (please print) **LASZLO GOTZ** Credit Card Number _____ Expiry Date (m/y) **03/15**

Cardholder Signature  Date (y/m/d) **2011/07/05**

*NOTE: credit card accepted for payments UNDER \$10,000.00 only.

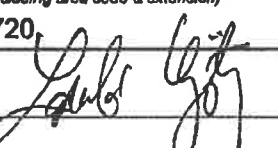
13. Statement of Applicant

I, the undersigned hereby declare that, to the best of my knowledge:

- The information contained herein and the information submitted in support of this application is complete and accurate in every way and I am aware of the penalties against providing false information as per s.184(2) of the Environmental Protection Act.
- The Project Technical Information Contact identified in section 5 of this form is authorized to act on my behalf for the purpose of obtaining approval under Section 9 of the EPA for the equipment/processes identified herein.
- I have used the most recent application form (as obtained from the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/emission/ep/index.htm#PartA> or the Environmental Assessment and Approvals Branch at 1-800-481-8290) and I have included all necessary information required by O. Reg. 419/05, identified on this form and in the Guidance Material.

Name of Signing Authority (please print) **László Götz** Title **Environmental Manager**

Telephone Number (including area code & extension) **(705) 235-6720** Fax Number (including area code) _____ E-mail Address **laszlo.gotz@goldcorp.com**

Signature  Date (y/m/d) **2011/07/05**

Address Information:
 Same as Applicant Physical Address? Yes No (if no, please provide signing authority mailing address information below)
 Civic Address - Street Information (address that has civic numbering and street information includes street number, name, type and direction) _____ Unit Identifier (i.e. suite or apartment number) _____

Delivery Designator:
 If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3) _____

Municipality _____ Postal Station _____ Province/State _____ Country _____ Postal Code _____

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APPENDIX A: PROOF OF LEGAL NAME

APPENDIX B: SUPPORTING INFORMATION WORKSHEET

APPENDIX C: COSTS FOR EPA S.9 APPLICATIONS

APPENDIX D: SUMMARY OF PUBLIC CONSULTATION

APPENDIX E: REQUEST TO USE SITE SPECIFIC METEOROLOGICAL DATA SET

SEPARATE COVER:

ACOUSTIC ASSESSMENT REPORT

EMISSION SUMMARY & DISPERSION MODELLING REPORT

1. Introduction

Porcupine Gold Mines (PGM), a joint venture between Goldcorp Canada Ltd. (51%) and Goldcorp Inc. (49%) (Goldcorp), is planning to redevelop the former Hollinger and McIntyre Mines in Timmins as a new open pit operation. For the purpose of this application, this undertaking is hereafter referred to as the “Hollinger Project”.

Development of the Hollinger Project would require comparatively limited new infrastructure, as ore from the Project Site would be transported to and processed at the existing Dome ore processing facility (commonly referred to as the ‘Dome Mill’), with tailings from ore processing to be discharged to the existing Dome Mine tailings deposition area.

Open pit operations are expected to extend for approximately 6 to 7 years.

There will be no processing at the Hollinger Site. All ore will be transported off-site via the Transportation Corridor and processed at the Dome Mill, located approximately 5 km east of the Hollinger Site (Figure 1-2).

The application is for a Basic Comprehensive **Certificate of Approval (Air & Noise)** for the extraction operations at the Hollinger Pit and the transport of ore via haul truck to the mill. The Dome Mill operates as a separate entity and is not considered as part of the Hollinger Project. The CofA application package was prepared in accordance with the Ontario Ministry of the Environment (MOE) “*Guide to Applying for Approval (Air & Noise)*” (2005).

The application package includes both an Emission Summary Dispersion Modelling Report (ESDM) and an Acoustic Assessment Report (AAR), each under separate cover.

There have been no previous applications for a Certificate of Approval (Air & Noise) for Porcupine Gold Mines’ Hollinger Project.

1.1 Location of the Facility

The project site is located in Timmins, Ontario, at a latitude of 48° North. The Timmins area is characterized by a mix of urban and industrial development superimposed on a forested background. The City consists of a major downtown urban area, as well as a number of other smaller urban centres scattered throughout the area, with Schumacher, South Porcupine, and Porcupine being the more prominent of these smaller centres. Various other smaller hamlets also occur throughout the area. These areas were amalgamated in 1973 to form the City of Timmins.

1.2 Land Use and Zoning Information

The City of Timmins Official Plan (2009) was adopted by City Council on April 6, 2009 and has been approved by the MMAH. The OP proposes a simplified land use framework based on the following designations: Neighbourhood Area, Employment Area, Goldfields Areas, Resource Development Area, and Provincial Interest Areas.

The proposed Hollinger mine development will be contained entirely within the Goldfield Areas and the ore haul road transverses portions of the Resource Development Area.

The Zoning By-law is currently being reviewed and updated. Based on knowledge of current zoning restrictions, it is anticipated that, to allow mining activities to proceed in the former Hollinger Mine area, or the mine rock stockpile areas, certain zoning by-law amendments would be required. However, as the City's intention is to revise the zoning by-law in conjunction with the land uses proposed in the OP, this could eliminate the need for zoning by-law amendments to allow mining activities to proceed in the Goldfields area.

1.3 North American Industry Classification System (NAICS)

The NAICS code for gold mining and milling is 212220, described as "Gold Ore and Silver Ore Mining^{CAN}". This industry comprises establishments primarily engaged in developing the mine site, mining, and/or beneficiating ores valued chiefly for their gold and or silver content. Establishments primarily engaged in the transformation of the gold and silver into bullion or dore bar, in combination with mining activities, are included in this industry (NAICS, 2007).

Facilities classified under this NAICS codes 212220 have been included on Schedule 4 of O.Reg. 419/05. As such, Porcupine Gold Mines Hollinger Project is currently subject to s. 20 of O. Reg. 419/05.

The assessment of modelled effects of contaminant emissions was therefore carried out using the relevant averaging periods of Schedule 3 of the Regulation using an approved dispersion model. AERMOD, an approved dispersion model, was used for the assessment, and the modelling was conducted in accordance with the requirements of the Ministry's *Air Dispersion Modelling Guideline for Ontario, Version 2.0, July 2009* (the "ADMGO" Guideline).

1.4 Project Description

The current mine plan provides for an open pit and no underground mining operations. Open pit operations are expected to extend for approximately 6 to 7 years.

Planned open pit operations involve the development of an open pit, consisting of several staged phases generally referenced as the 92 Pit, Millerton Pit and Central Pit. The 92 Pit is located east of the Shania Twain Centre and northeast of the Fairway Village Trailer Park. The Millerton Pit is the westernmost of the four pits, being located between the Shania Twain Centre and Hollinger Park. The Central Pit is located in the central part of the property, south of the Highway 101 corridor commercial centre and the Luzenac property.

Current plans call for the ultimate pit to reach a depth of approximately 112 m above mean sea level (amsl). Ore and mine rock production for the open pit operations are expected to be up to 60,000 tonnes per day (tpd).

The ore (and possibly some mine rock initially) will be hauled by truck from the Hollinger Project Site to the existing nearby Dome site. To accommodate haulage, a designated Transportation Corridor will be constructed and maintained.

1.5 Maximum Operating Capacity

The maximum production rate for the open pit gold mine will be up to 60,000 tonnes of ore and mine rock per day.

2. Application Information

The following information is provided under this cover in support of the current application.

2.1 Proponent Information

The following documents pertain to this application made by Goldcorp Canada Ltd. Porcupine Gold Mines.

2.1.1 Proof of Legal Name

The Articles of Incorporation have been included as Appendix A to serve as proof of legal name for Goldcorp Canada Ltd.

2.1.2 Summary of Public Consultation Activities

Section 7 of the Environmental Review Report has been provided in Appendix D as a summary of the government agency, aboriginal and public consultation activities carried out in support of the Hollinger Project.

As a result of the extensive consultation already undertaken, this application does not require posting on EBR.

2.1.3 Environmental Approvals and Permits Applied for In Relation to the Hollinger Project

The following permits and approvals are expected to be required with regards to the Hollinger Project:

Ministry of the Environment (MOE)

- Permit to Take Water Amendment and Certificate of Approval Amendment – Mine Dewatering
- Certificate of Approval Amendment – Dome Mill and Tailings Facility

Ministry of Natural Resources (MNR)

- Work Permit – Little Pearl Tailings Pond Discharge
- Rights to Crown Timber

Ministry of Northern Development and Mines and Forestry (MNDMF)

- Hollinger Mine Industrial Site Closure Plan amendment
- Little Pearl Tailings Pond Closure Plan amendment

Federal Government Agencies

- Letters of Advice – Department of Fisheries and Oceans (DFO)

City of Timmins

- Site Plan Control Agreement

2.2 Certificate of Approval (Air) Application Forms

The following MOE forms and documents are provided as appendices to this report document, as required.

2.2.1 Supporting Information Worksheet

The completed *Supporting Information Worksheet* is provided as Appendix B.

2.2.2 Costs for EPA S.9 Applications

The completed *Costs of EPA S.9 Applications* form is included in Appendix C. The application review fee of \$3,000.00 was calculated considering the following incremental costs:

- administrative fee (\$200)
- emission summary and dispersion modelling report review for less than five (5) sources not previously approved (\$0)
- noise assessment review (\$2,800).

3. Supporting Information

The following additional documents are provided under separate cover in support of this application.

3.1 Emission Summary and Dispersion Modelling Report

The *Emission Summary and Dispersion Modelling Report* prepared in support of this application is provided under separate cover.

3.2 Acoustic Assessment Report

The Acoustic Assessment Report prepared by Valcoustics Canada Ltd. is provided under separate cover.

3.3 Application Fee

The application fee of \$3,000.00 has been submitted with this application.

Appendix A: Proof of Legal Name



**Business Name Registration
CONFIRMATION OF FILING**

Registration Submit Date: Oct 12, 2007 11:16 am

ONCORP Tracking Number: 18628
Official ONBIS ID: 9626863

THIS COPY PRINTED: Oct 12, 2007 @ 11:17 am

Reference Info: CODE#106(ALW/KAC)
Docket Info: 36499-1

Registration Type: Business/Style/Trade Name for Corporation
New Registration

Business Name: PORCUPINE GOLD MINES
Business Identification Number: 171094154
Effective Date: Oct 12, 2007
Expiry Date: Oct 11, 2012

Address of Principal Place of Business: 4315 GOLD MINE ROAD, SOUTH PORCUPINE, ON, CANADA, P0N 1H0

Mailing Address: 666 BARRARD STREET, 3400, VANCOUVER, BC, CANADA, V6C 2X8

Registrant Information:

Corporation Info.:
Corp. Name GOLDCORP CANADA LTD.
Corp. Number 001217701
Corp. Status 01
Establishment Type R
Jurisdiction CANADA
Incorporation Date 1/1/1997

Business Activity Description: MINING AND MILLING OF GOLD

Notification Details

Program Notification(s) Requested	
EHT Application	No
RST Application	No
WSIB Application	No

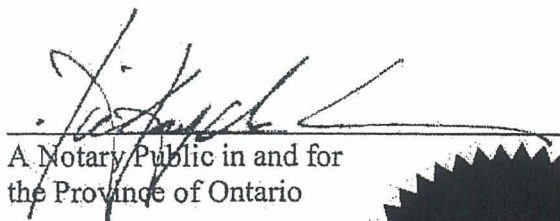
Name of Person Authorizing Registration: TUDELA ANNA M.

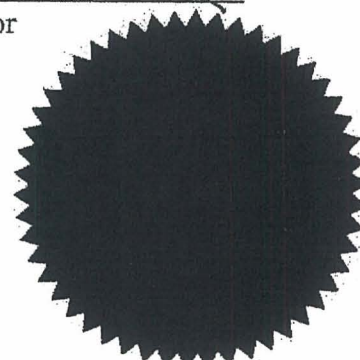
This document is a record of the ONBIS ID number assigned to this filing by the Ontario Business Information System Database, MINISTRY OF GOVERNMENT SERVICES. No liability is undertaken by OnCorp Direct Inc. regarding its completeness, correctness, or the interpretation or use which may be made of it. Registration details may be verified on the Master Business Licence provided upon successful registration or by ordering a Business Names Report, Document Replica, or Master Business Licence Reprint for an additional fee.

CANADA)
)
PROVINCE OF ONTARIO)
)
CITY OF TORONTO)
)
TO WIT:)

I, NICHOLAS JAMES HAYDUK, a Notary Public in and for the Province of Ontario, by Royal Authority duly appointed, residing in the City of Toronto, in the said Province DO HEREBY CERTIFY that the paper writings hereto annexed, all of which are stamped with an impression of my seal, are a true and correct photostatic copy of the **CERTIFICATE AND ARTICLES OF AMENDMENT OF GOLDCORP CANADA LTD. (CORPORATION NUMBER 332664-1)** as certified and issued by Industry Canada on May 25, 2006 and dated May 19, 2006, the said photostatic copy having been compared by me, page for page, with the said original document, an act whereof being requested I have granted the same under my hand and notarial seal of office to serve and avail as occasion shall or may require.

DATED at Toronto this 30th day of MAY, 2006.


A Notary Public in and for
the Province of Ontario





Industry Canada Industrie Canada
Canada Business Loi canadienne sur
Corporations Act les sociétés par actions

I HEREBY CERTIFY THAT THE
ATTACHED IS A TRUE COPY OF THE
DOCUMENT MAINTAINED IN THE
RECORDS OF THE DIRECTOR.

JE CERTIFIE, PAR LES PRÉSENTES, QUE LE
DOCUMENT CI-JOINT EST UNE COPIE
EXACTE D'UN DOCUMENT CONTENU
DANS LES LIVRES TENUS PAR LE
DIRECTEUR.

Deputy Director - Directeur adjoint

Date



Canada



Certificate of Amendment

Certificat de modification

Canada Business Corporations Act

Loi canadienne sur les sociétés par actions

Goldcorp Canada Ltd.

332664-1

Name of corporation-D énomination de la société

Corporation number-Numéro de la société

I hereby certify that the articles of the above-named corporation were amended:

Je certifie que les statuts de la société susmentionnée ont été modifiés:

a) under section 13 of the *Canada Business Corporations Act* in accordance with the attached notice;

a) en vertu de l'article 13 de la *Loi canadienne sur les sociétés par actions*, conformément à l'avis ci-joint;

b) under section 27 of the *Canada Business Corporations Act* as set out in the attached articles of amendment designating a series of shares;

b) en vertu de l'article 27 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes désignant une série d'actions;

c) under section 179 of the *Canada Business Corporations Act* as set out in the attached articles of amendment;

c) en vertu de l'article 179 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes;

d) under section 191 of the *Canada Business Corporations Act* as set out in the attached articles of reorganization;

d) en vertu de l'article 191 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses de réorganisation ci-jointes;

Richard G. Shaw
Director - Directeur

May 19, 2006 / le 19 mai 2006

Date of Amendment - Date de modification



Industry Canada Industrie Canada

ELECTRONIC TRANSACTION REPORT

RAPPORT DE LA TRANSACTION ÉLECTRONIQUE

Canada Business Corporations Act Loi canadienne sur les sociétés par actions

ARTICLES OF AMENDMENT (SECTIONS 27 OR 177)

CLAUSES MODIFICATRICES (ARTICLES 27 OU 177)

Processing Type - Mode de traitement: E-Commerce/Commerce-É

<p>1. Name of Corporation - Dénomination de la société</p> <p>PLACER DOME (CLA) LIMITED PLACER DOME (CLA) LIMITEE</p>	<p>2. Corporation No. - N° de la société</p> <p>332664-1</p>
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3. The articles of the above-named corporation are amended as follows:
Les statuts de la société mentionnée ci-dessus sont modifiés de la façon suivante:

1. by changing the name of the Corporation from Placer Dome (CLA) Limited/Placer Dome (CLA) Limitee to Goldcorp Canada Ltd.; and

2. by changing the province or territory where the registered office is situated from British Columbia to Ontario.

Date 2006-05-19	Name - Nom ANNA M. TUDELA	Signature	Capacity of - en qualité AUTHORIZED OFFICER
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**Appendix B:
Supporting Information Worksheet**

SUPPORTING INFORMATION WORKSHEET SUPPLEMENT TO APPLICATION FOR APPROVAL, EPA S.9



This document lists the attachments to the Section 9 Application Form that may be required from an applicant. This worksheet is intended to assist applicants in completing the Application Form and should be read in conjunction with the Guide to Applying for Approval (Air and Noise) dated February, 2005.

This worksheet must be attached to a Section 9 Application Form to be considered complete

	Attachment	Guide to Applying Reference	Required if...	Included	Reference	Confidential
1.	Proof of Legal Name of Applicant	Section 4.1	Always Required unless Master Business Licence is submitted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Not Applicable
2.	Copy of Master Business Licence	Section 4.2	Applicant is an Ontario Company and wishes to simplify the application process	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
3.	Legal Survey	Section 4.3	If survey address is provided	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		
4.	Copy of NEDPA Permit	Section 4.3	Facility is within an area of development control as defined by the Niagara Escarpment Planning and Development Act	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5.	Copy of Municipal Planning Approval (ORMCA)	Section 4.3	Facility is within the Oak Ridges Moraine Conservation Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6.	Name, Address and Phone Number of the Operating Authority	Section 4.3	Equipment will be operated not by the applicant but by an Operating Authority	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7.	Name, Address and consent of the land/site owner for the installation/construction and operation of the equipment/facility	Section 4.3	Applicant is not the owner of the site where the facility is located	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

	Attachment	Guide to Applying Reference	Required if...	Included	Reference	Confidential
8.	Copy of current Certificate of Approval	Section 4.5	Application is for an amendment to a current CofA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
9.	List of all environmental approvals/permits applied for relating to this project or received in relation to this project.	Section 4.5	Other environmental approvals/permits have been applied for or issued under the EPA or OWRA in relation to this project only	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
10.	Copy of Provincial Officer's Order requiring submission of application	Section 4.5	Application is a result of a Provincial Officer's Order	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
11.	List of all approvals issued to this facility under Section 9 of the <i>Environmental Protection Act</i>	Section 4.6	Previous Section 9 approvals have been issued to the facility	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		Not Applicable
12.	Supporting information that proposal is not a Prescribed instrument under the EBR	Section 4.6	Application meets the requirements of O. Reg 681/94	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
13.	Supporting information relating to exemption from the public participation requirements of the <i>Environmental Bill of Rights</i> .	Section 4.7	Applicant is requesting that the proposal is exempt from posting on the Environmental Registry	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
14.	Supporting information relating to exemption from or fulfilment of requirements under the <i>Environmental Assessment Act</i> .	Section 4.7	Application is part of an undertaking subject to the EAA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
15.	List describing public consultation activities related to this project	Section 4.7,8	Applicant is involved in any public consultation / notification activities in addition to EBR / EAA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
16.	Application Fee	Section 4.10	Always Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Not Applicable
17.	Financial Assurance	Section 2	If The Section 9 Director determines that Financial Assurance is necessary based on the nature of the Application (Waste Disposal Site or Remediation for example)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input type="checkbox"/> No
18.	Applicant Fee Worksheet	Section 4.9	Always Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		Not Applicable

Please note: the release of information contained in application forms and documentation submitted in support of applications for approval is subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. This Act defines what may and may not be disclosed to the public, and is used to assess all requests for information contained in the documents on file with an application for approval.

The information submitted with an application for approval may also be subject to the *Environmental Bill of Rights*. In those situations, the application and the associated non-confidential supporting documentation is made available for review by members of the public.

The applicants should therefore identify all documents as noted above which are to be considered confidential and must provide detailed evidence in support of this claim. This evidence will be one of the factors the ministry would consider when making a decision regarding disclosure of specific documents on file.



Appendix C: Costs for EPA S.9 Applications

COSTS FOR EPA s.9 APPLICATIONS SUPPLEMENT TO APPLICATION FOR APPROVAL



Information requested in this form is collected under the authority of the Environmental Protection Act, R.S.O. 1990 (EPA) and the Environmental Bill of Rights, c. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA. This form is a supplement to the Application for Approval (Air & Noise) and should be submitted with all applications for approval under Section 9 of the **EPA**.

O.Reg. 363/98 "Fees – Certificates of Approval" requires applicants for a certificate of approval under Section 9 of the EPA to pay a fee at the time of submitting the application. This fee must be calculated in accordance with the Fees Regulation. **Applications that do not include the correct fee amount will not be processed by the EAAB.** This form is intended to assist applicants in calculating the correct fee amount in accordance with the Fees Regulation. For instructions/assistance completing this form, please refer to the publication titled: "Guide: Application Costs for Air Emissions, s.9 Environmental Protection Act". This form and associated publications are available on the Ministry of the Environment web site at <http://www.ene.gov.on.ca/envision/gp/index.htm#PartAir> or by contacting the Environmental Assessment and Approvals Branch at 1-800-461-6290 or (416) 314-8001.

Company Name Goldcorp Canada Ltd.	Site Name Porcupine Gold Mines	
Site Address - Street information (includes street number, name, type and direction) 4315 Gold Mine Road		Unit Identifier (unit, suite, apt, etc)
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)		
Non Address Information (includes any additional information to clarify clients' physical location)		
Municipality/Unorganized Township Timmins	County/District Cochrane County	Postal Code P0N 1H0

Application Type: Indicate the applicable aspect(s) of the application and complete the corresponding section(s) of this form.

- Application that requires technical review (Section 1)
Applications for a Greenfield facility, an existing facility that does not have any approvals, amendment to an existing CofA to add new equipment or to consolidate existing equipment into one CofA or for a Basic Comprehensive Certificate of Approval
- Revocation of an existing approval that requires technical review (Section 2)
This application is to revoke an existing approval or condition on a certificate of approval that requires a technical review such as a groundwater remediation system, air pollution control equipment (cyclone, dust collector); noise control measures (silencer, barrier)
- Administrative amendment of an existing approval (Section 3)
This application is for a minor amendment to an existing approval such as a minor technical correction, etc, that does not require a technical review
- Fee exempted amendment or revocation of an existing approval that does not require technical review (Section 4)
This application is required by a condition on a Certificate of Approval, or to revoke a CofA for equipment/facility that is no longer in operation and does not require technical review

Note: If you are seeking a Preliminary Review as defined by the Fee Regulation please contact the EAAB to discuss prior to proceeding with the application.

SECTION 1: Application that Requires Technical Review
Complete tables 1, 2 & 3 and enter your information in the summary table below.

(√)		Description	Cost
<input checked="" type="checkbox"/>	A	Administrative processing (always required for all applications)	\$ 200
<input type="checkbox"/>	B	Fixed Cost Review for Equipment (Table 1)	\$
<input checked="" type="checkbox"/>	C	Emission Summary and Dispersion Modelling Report Review (Table 2)	\$ 0
<input checked="" type="checkbox"/>	D	Noise Assessment Review (Table 3)	\$ 2800
TOTAL COST:			\$ 3000

TABLE 1: Fixed Cost Review for Equipment

This table is to be used for new applications or for amendments or revocation to an existing approval. Applicants must identify all equipment that is the subject of the application and include the equipment in the appropriate category on the table. Sections used should be indicated in the left hand column. Equipment that has been previously approved does not have to be included on the table provided that the existing approved equipment is not being modified by the application.

(√)	Description	Equipment Specification	Cost	Applicable Fee
<input type="checkbox"/>	1.1.1 Combustion Equipment that uses natural gas, propane, no. 2 oil, landfill gas or sewage treatment gas for fuel for the purpose of providing comfort heating or emergency power, producing hot water or steam, or heating material in a system that does not discharge to the atmosphere	Total Heat input of all units ≤ 50,000,000 kJ/hr	\$ 400	\$
<input type="checkbox"/>	1.1.2 Storage tanks	N/A	\$ 400	\$
<input type="checkbox"/>	1.1.3 Welding operations that use a maximum of 10 kilograms of welding rod per hour	N/A	\$ 400	\$
<input type="checkbox"/>	1.1.4 The application is for an amendment to an existing approval which will not result in an increase in the discharge of any contaminant that was reviewed by the Director for the purpose of issuing the existing certificate	N/A	\$400	\$

Applicable Fee is based on the type of equipment, if the equipment does not meet the description or specification then use table 1.3

(√)	Description	Quantity of Equipment		Cost	Applicable Fee
		Formula to Calculate A	A		
<input type="checkbox"/>	1.2.1 Combustion Equipment that uses waste derived fuel for the purpose of providing comfort heating, burning ≤ 15 litres per hour	# of pieces of combustion equipment		x \$400 =	\$
<input type="checkbox"/>	1.2.2 Heat cleaning ovens used for parts cleaning, and associated parts washers or degreasing equipment, other than solvent degreasing equipment	# of heat cleaning ovens		x \$400 =	\$
<input type="checkbox"/>	1.2.3 Cooling towers	# of cooling towers divided by two, rounded up to the next whole number		x \$400 =	\$
<input type="checkbox"/>	1.2.4 Equipment used to control emissions of contaminants, other than a fume incinerator.	# of pieces of pollution control equipment		x \$400 =	\$
<input type="checkbox"/>	1.2.5 Laboratory fume hoods	# of laboratory fume hoods divided by 5, rounded up to the next whole number		x \$400 =	\$
<input type="checkbox"/>	1.2.6 Paint spray booths and associated equipment that have a design capacity of up to 8 litres per hour of paint	# of paint spray booths		x \$400 =	\$
<input type="checkbox"/>	1.2.7 Grain dryers	# of grain dryers		x \$400 =	\$

Applicable Fee is calculated based on the quantity of equipment, calculated using the formula specific for the equipment. Note the formula provides whole numbers only.

Table 1.3 Equipment not otherwise specified in the table					
(√)	Description		Number of Sources	Cost	Applicable Fee
<input type="checkbox"/>	1.3.1	Equipment with a flow rate of less than or equal to 1.5 m ³ /second		x \$ 400 =	\$
<input type="checkbox"/>	1.3.2	Equipment with a flow rate of greater than 1.5 m ³ /second		x \$1,200 =	\$
<input type="checkbox"/>	1.3.3	If one or more of the contaminants to which the application relates is not represented in the Ministry of the Environment publication titled "Summary of Point Impingement Standards, Point of Impingement Guidelines and Ambient Air Quality Criteria (AAQCs)" dated, September 2001 as amended from time to time.	N/A	\$300	\$
TOTAL COST TABLE 1					\$

Equipment (any plant, structure, apparatus, mechanism or thing that will discharge air and contaminants) that is the subject of the application that is not directly specified by Table 1.1 or 1.2 must be placed in one of the two categories in Table 1.3.

For equipment contained in this section of the table, multiple points of emission which satisfy specifically defined conditions of similarity will be considered equivalent to a single source when determining the application fee for a Certificate of Approval (Air).

The term "source" is defined in *Ontario Reg. 363/98, Fees – Certificates of Approval* as follows:

"source" means an individual point of emission or a distinct process or area from which emissions may originate, and,

- (a) if more than one stack or vent arises from a common process, that process is a source and the individual points or emission are not sources, and
- (b) if two or more separate processes, each of which discharges a distinct mixture of contaminants, are discharged to a common stack, each of the separate processes is a source.

Points of emission are considered "similar" if they satisfy the following conditions:

- (a) equivalent process activity;
- (b) common contaminant emissions;
- (c) emissions estimates are calculated using equivalent methods or formulas (with an allowance for modified process parameters); and
- (d) dispersion calculations are performed according to equivalent methods (with an allowance for modified process parameters) and considering equivalent Points of Impingement.

TABLE 2: Emission Summary and Dispersion Modelling Report Review

This table is to be used for new equipment applications at existing facilities or for amendments to existing approvals. Applicants must identify the number of sources described in the ESDM Report with contaminants common to the equipment forming the subject of the application to determine the cost as outlined in the table. Sources that have been approved and do not emit common contaminants do not have to be included in the determination of the number of sources.

(√)	Number of Sources	Previously Reviewed?	Cost
<input checked="" type="checkbox"/>	5 or less	No	\$ 0
<input type="checkbox"/>		Yes	\$ 0
<input type="checkbox"/>	6 to 10	No	\$ 1,000
<input type="checkbox"/>		Yes	\$ 800
<input type="checkbox"/>	11 to 20	No	\$ 2,000
<input type="checkbox"/>		Yes	\$ 1,600
<input type="checkbox"/>	More than 20	No	\$ 3,000
<input type="checkbox"/>		Yes	\$ 2,400
TOTAL COST TABLE 2			\$ 0

A "source" may include multiple points of emission, provided the points of emission are "similar".

Points of emission are considered "similar" if they satisfy the following conditions:

- (a) equivalent process activity;
- (b) common contaminant emissions;
- (c) emissions estimates are based on equivalent methods or formulas (with an allowance for modified process parameters); and
- (d) dispersion calculations are performed according to equivalent methods (with an allowance for modified process parameters) and considering equivalent Points of Impingement

When the ESDM Report is only for new sources, not previously approved, there is no cost for this review; it is included in the fixed cost for the particular discharge or equipment calculated under Table 1.

An ESDM Report may be considered previously reviewed when the equipment specified in the ESDM Report has been used to obtain a Certificate of Approval (Air) for that equipment in the past.

TABLE 3: Noise Assessment Review

This table is to be used for new applications or for amendments or revocation to an existing approval. Applicants must complete the Noise Screening Procedure included as an appendix in the ministry Document "Guide to Applying for Approval (Air and Noise)" dated January, 2005. If an applicant meets the screening requirements then no fee is required under this table. If the applicant does not meet the screening requirements and an Acoustic Assessment Report is required then the Applicants must identify all equipment that is included as a noise source in the Acoustic Assessment Report in the appropriate category on the following table. Sections used should be indicated within the left hand column. Equipment that has been previously approved does not have to be included on the table provided that the existing approved equipment is not being modified by the application.

(√)	Description		Quantity of Equipment		Cost	Applicable Fee
			Formula to Calculate A	A		
<input type="checkbox"/>	3.1.1	Arc Furnaces	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.2	Asphalt Plants	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.3	Blow Down Devices	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.4	Co-generation Facilities	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.5	Crushing Operations	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.6	Flares	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.7	Gas Turbines	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.8	Pressure Blowers or Large Induced Draft Fans (flow rate > 47m ³ /second or static pressure > 1.25 kilopascals)	# of pieces		x \$2,250 =	\$

(√)	Description		First 5 Pieces of Equipment	Additional Equipment	Cost
<input checked="" type="checkbox"/>	3.2.1	Equipment that has not previously been reviewed by the Section 9 Director in connection with an application for a certificate of approval with respect to the facility	\$400	\$100 x <u>24</u>	\$ 2800
<input type="checkbox"/>	3.2.2	Equipment is identical to equipment for which a noise assessment was previously reviewed by the Section 9 Director in connection with an application for a certificate of approval with respect to the facility	\$200	\$50 x _____	\$

TOTAL COST TABLE 3	\$ 2800
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SECTION 2: Revocation of an Existing Approval that Requires Technical Review
Complete tables 1, 2 & 3 and enter your information in the summary table below

(√)	Category	Cost
<input type="checkbox"/>	A Administrative processing (always required for all applications)	\$ 200
<input type="checkbox"/>	B Fixed Cost Review for Equipment (Table 1)	\$
<input type="checkbox"/>	C Emission Summary and Dispersion Modelling Report Review (Table 2)	\$
<input type="checkbox"/>	D Noise Assessment Review (Table 3)	\$
	TOTAL COST:	\$

SECTION 3: Administrative Amendment of an Existing Approval

(√)	Description	Cost
<input type="checkbox"/>	Administrative amendment (no technical review involved)	\$ 100
	TOTAL COST:	\$

SECTION 4: Fee Exempted Amendment or Revocation of an Existing Approval that does not require technical review

(√)	Description	Cost
<input type="checkbox"/>	Administrative revocation (no technical review involved)	\$ 0
<input type="checkbox"/>	Any revocation requested as a result of requirements imposed by conditions of an existing approval	\$ 0
<input type="checkbox"/>	Any amendment requested as a result of requirements imposed by conditions of an existing approval	\$ 0
	TOTAL COST:	\$

Appendix D: Summary of Public Consultation

Goldcorp will actively communicate our Hollinger Project to the community and concerns will be integrated into final planning through the feasibility and permitting stages. Goldcorp completed an **Environmental Review** process as part of the permitting phase to educate the community about the project and provide details on our Environmental studies and effects analysis. An Environmental Review Report is available for public review and comment.

The relevant section and issues raised during public consultation follow.

7.0 GOVERNMENT AGENCY, ABORIGINAL AND PUBLIC CONSULTATION

7.1 Consultation Principals

As part of the ERR process, PGM is committed to actively communicating the details of the Project to and engaging with the community, stakeholders, Aboriginal groups, agencies and other interested parties. PGM has thus far initiated and carried out a number of public consultation efforts and these will be expanded upon through the ERR process. A summary of all consultation activities undertaken to date follows. A more detailed consultation program outline is included in Appendix K.

Development of the Hollinger Project will require a number of permits and approvals from the provincial agencies, as well as an SPCA with the City, as outlined in Section 3. Public consultation undertaken as part of the ERR process is also intended to help support these permitting processes.

7.2 Identification of Stakeholders, Agencies and Other Interested Parties

7.2.1 Stakeholder Identification

PGM has been active in engaging all relevant stakeholders to date, and will continue to be proactive in the following areas to define their Project Goals and Message Track:

- Continue to provide further, more detailed information to the provincial and federal agencies to facilitate permitting and ongoing monitoring requirements;
- Continue to provide updates of the Project to the City to ensure alignment of both parties' long-term objectives;
- Work with local Aboriginal communities to ensure that their interests in the Hollinger Project are recognized and addressed;
- Work with the existing Porcupine Watchful Eye community liaison group (and potentially other local groups) as a means of involving specific community interests in Project development;
- Continue to give updates to the community through Open House sessions, stakeholder group meetings, Project website and individual land owner meetings;
- Maintain the Hollinger Project Information Centre as a means of providing ongoing information to the public about the Project; and,
- Develop CAC to review Project-specific concerns.

The following is a list of local business and resident stakeholder groups that have thus far expressed interest in the Project. They include:

- Numerous commercial businesses;
- Numerous residents in Timmins and Schumacher;
- Various stakeholder groups including Porcupine Watchful Eye, Porcupine Ski Runners, Timmins Snowmobile Club, etc;
- Union Gas, the natural gas utility; and,
- Hydro One, the Ontario power utility.

These stakeholders will be kept informed of all Project activities as they arise through invitations to public information sessions and notices.

7.2.2 Provincial Government Agencies

PGM has held meetings and corresponded with officials from various Ontario provincial government ministries early on and throughout the planning process to describe the Project, outline the Project schedule, and to discuss agency concerns and approval requirements. The key involved provincial government agencies include:

- Ministry of Culture (MCL);
- MOE;
- Ministry of Labour (MOL);
- MMAH;
- MNR;
- MNDFM; and,
- Ministry of Transportation (MTO).

7.2.3 Federal Government Agencies

A number of federal government agencies have also been involved in various meetings related to the Project, inclusive of:

- Canadian Environmental Assessment Agency (CEAA);
- DFO;
- EC;
- NRCan; and,
- Transport Canada (TC).

Federal involvement in the Hollinger Project has been limited, compared with that of the provincial government agencies, because there are no anticipated federal approvals or authorizations that are likely to be required for development of the Hollinger Project.

7.2.4 City of Timmins

Consultation with municipal government agencies and councils is pivotal for any urban-based project. Upon the Project's inception, the City of Timmins was consulted in an effort to obtain a

positive working relationship with the community and the municipality. Various branches of the municipal government have also attended meetings and been consulted by PGM. These include:

- City of Timmins and Council;
- Timmins Chamber of Commerce;
- Timmins Economic Development Council; and,
- Mattagami Region Conservation Authority.

7.2.5 Aboriginal Peoples

In 2009, Goldcorp initiated a comprehensive process of relationship building as a first step in future consultation with those Aboriginal communities who claim traditional territory in the PGM camp: Mattagami, Matachewan, Flying Post and Wahgoshig First Nations.

Further discussions have been held with both Wabun Tribal Council and MNO in 2010 and 2011 to develop formal processes that will recognize the Aboriginal and treaty rights of the original inhabitants of the region in relation to PGM activities.

The potential for involvement of the First Nations in this particular undertaking is still evolving, since the Project will effectively redevelop historic mine sites within the City of Timmins. Archeological background and field studies conducted as part of the baseline study program for the Hollinger Project have identified an historic portage route running through the City of Timmins along what is now the Highway 101 corridor, on the north side of present-day Highway 101 that previously linked the Mattagami River area to the Night Hawk Lake/Frederick House river system, via the system of small lakes in the area, including Pearl lake and Porcupine Lake. The area of his trail through the McIntyre and Hollinger properties has been completely overprinted by historic mining and associated urban developments in the local area.

Further details on Aboriginal consultation are provided in Section 14.3 of the filed Closure Plan (file date June 29, 2011).

7.2.6 General Public

Throughout the planning and development of the Project, PGM has been consulting with the general public in order to solicit interest and respond to questions or concern its members may have. The newly renovated and updated Hollinger Project Information Centre will allow for people to talk with PGM's company staff on a one-to-one basis and find out more details about the Project and how it may affect them.

7.3 Consultation Activities

A variety of consultation activities have been held to date to inform and encourage participation of the public and agencies in matters involving Project development and the ERR process. Key elements of the public consultation program conducted by PGM to date include:

- Provincial and federal agency consultation;
- Consultations with local political representatives;
- Stakeholder and general public consultations; and,

- Consultation.

Table 7-1 outlines the meetings that have been held with participation from the various provincial and federal agencies, the City or key stakeholders. All supporting documentation is contained within Appendix K.

**TABLE 7-1
CONSULTATION MEETINGS**

Date	Agency and Stakeholder Attendance	Topics Discussed
February 24, 2009	<ul style="list-style-type: none"> • MNDM • MOE • MRCA • MNR • City of Timmins • EC • DFO 	<ul style="list-style-type: none"> • Project overview • Sensitive areas and setbacks • Site plan and municipal requirements • Noise • Berming issues • Water quality • Permitting requirements • Other EA requirements • Effects of dewatering • Closure plan • Consultation • Schedule
March 19, 2009	<ul style="list-style-type: none"> • MOE 	<ul style="list-style-type: none"> • Project description • Permitting • Existing conditions • Environmental effects • Outfall design
April 17, 2009	<ul style="list-style-type: none"> • MNDMF • MOE • MNR • MMAH • City of Timmins • MRCA 	<ul style="list-style-type: none"> • Focus on consultation process (One Window) through MNDFM • Separation distance
May 26, 2009	<ul style="list-style-type: none"> • MNDMF • MOE • MNR • MMAH • City of Timmins • MRCA 	<ul style="list-style-type: none"> • Stakeholder Review • Public Advisory Committee • Consultation
November 5, 2009	<ul style="list-style-type: none"> • MNDMF • MOE • MNR • MMAH • City of Timmins • MRCA 	<ul style="list-style-type: none"> • Draft Table of Contents of the ERR sent to the government agencies for comment
November 23, 2009	<ul style="list-style-type: none"> • MNDMF • MOE • MNR • MMAH • City of Timmins • MRCA 	<ul style="list-style-type: none"> • Review of Draft Table of Comments for the ERR, and overall permitting needs for the Hollinger Project.
May 5, 2010	<ul style="list-style-type: none"> • MNDMF 	<ul style="list-style-type: none"> • Review Environmental Review Report and

Date	Agency and Stakeholder Attendance	Topics Discussed
	<ul style="list-style-type: none"> • MOE • MNR • City of Timmins • MRCA 	notify about Public Information Session
May 31, 2010	<ul style="list-style-type: none"> • City Council, Committee of the Whole 	<ul style="list-style-type: none"> • Discuss acquisition of City land for Transportation Corridor
June 8, 2010	<ul style="list-style-type: none"> • City of Timmins 	<ul style="list-style-type: none"> • Project discussion as it relates to the SPCA
June 8, 2010	<ul style="list-style-type: none"> • City of Timmins Police 	<ul style="list-style-type: none"> • Project discussion as it related to the water tower
June 30, 2010	<ul style="list-style-type: none"> • Porcupine Ski Runners 	<ul style="list-style-type: none"> • Project overview and discussion of association members land use concerns
August 17, 2010	<ul style="list-style-type: none"> • MNR • MRCA 	<ul style="list-style-type: none"> • MNR permitting requirement
November 16, 2010	<ul style="list-style-type: none"> • MNDMF • MOE • MNR • MOL • MMAH • City of Timmins • MRCA 	<ul style="list-style-type: none"> • Environmental Review Report; permitting process and schedule; Closure Plan; MOE and MNR permits.

7.3.1 Aboriginal Peoples

PGM has committed to building meaningful relationships with Aboriginal people prior to engaging in formal consultation. In respect of that commitment, a schedule for meetings with community and Tribal Council leaderships is currently under discussion between the affected parties.

- Wabun Tribal Council – At the onset of the initial discussions the Wabun Tribal Council was representing the Mattagami, Matachewan, Flying Post and Wahgoshig First Nations. These initial discussions lead to the formulation of a draft agreement for discussion, and meetings have followed. Since the initial discussions, the Wahgoshig First Nation ended its relationship with the Wabun Tribal Council. This break-away led to a delay in the consultation process, and as a result, Goldcorp began establishing independent relationships with each of the communities.
- Métis Nation of Ontario – A tour of the mine held in August of 2009 was followed by an initial meeting leading to discussions of a future possible agreement. In January 2010, Goldcorp attended a provincially organized workshop held by the Métis Nations of Ontario with the goal to gain understanding and appreciation to their claim for historical attachment to, and disruption of, their traditional territory and activities surrounding the Dome Mine. The process of communication in this unique and potentially precedent-setting scenario is being continued; current discussions are related to the sensitive nature of Métis/First Nations' relations.
- Flying Post First Nation – Initial meeting with Chief in Council was held on May 11, 2010, and discussions regarding Flying Post's unique community resettlement issue and resulting economic and social impacts are ongoing. A community meeting and presentation is being planned to discuss the economic, social and environmental impacts of PGM activities to this community. Goldcorp maintains contact with the community to ensure information related to training and employment programs, meetings, and special events are known.
- Matachewan First Nation – Initial discussions over several months will lead to a formal meeting with Chief in Council regarding regional economic development opportunities and social impacts of PGM activity on the community. Goldcorp has begun the relationship building process with Matachewan by becoming involved in community activities, including sponsorship of a youth to the First Nations Natural Resource Youth Employment Program this past summer, discussions with community Elders, sponsorship of the traditional gathering in September and participation in the Goldcorp-sponsored trip to Bannock Point Manitoba for attendance at a traditional gathering.
- Mattagami First Nation – A meeting with Chief in Council on May 24, 2010 lead to ongoing discussions on future collaboration, including support of the community's youth traditional skills program, sponsorship of community activities and involvement in training and employment initiatives and the Bannock Point traditional gathering. Future meetings

with the community will include a community presentation regarding operations, employment and regional economic development opportunities.

- Wahgoshig First Nation – Following Wahgoshig’s decision to end its relationship with Wabun Tribal Council in the early Fall of 2009, Goldcorp began discussions with the community to understand its independent claim to traditional territory within the Goldcorp operations area that includes discussions on transference of mining claims, contracting opportunities and socio-economic impacts, and in the area of relationship building the company has provided sponsorship for the community’s spring fishing derby. The MTCU Emerging Sectors project, in which Goldcorp and Wahgoshig First Nation have partnered with Learning Together Inc., is resulting in significant training and employment opportunities for the community.

7.3.2 Public Consultation

Goldcorp recognizes the importance of community consultation as part of its ongoing activities. To date, Goldcorp has held three rounds of public open houses on the project. Notices for these events were posted in the Timmins Daily and broadcast over the radio. These events were held on October 1, 2009, May 19, 2010 and January 20, 2011. As well, the Hollinger Project Information Centre and the website (www.porcupinegoldmines.ca) continues to provide the community with other avenues to information.

During the May 19 Open House, poster displays providing details on proposed designs, anticipated environmental effects and mitigation strategies were setup around the room. Over 300 individuals attended the session. Individuals were encouraged to wander the room and ask questions of the numerous project team members that were on hand to answer any questions and to provide further detail.

Individuals were also invited to complete a questionnaire to provide feedback on the project and gather interest in participation in a CAC. Of the 282 completed questionnaires that were returned, 47% had comments in support of the Hollinger Project, 46% had no comments, and 7% had comments and/or concerns. Of the responses received, 33 individuals expressed an interest in volunteering to form a CAC.

While the returned questionnaires provided a significant response in support of the Project for the community, a summary of specific concerns and responses is provided below. The majority of the concerns related to the Project’s close proximity to existing infrastructure, including residences and other such sensitive receptors. The Project design includes operational management measures, particularly for mine rock storage, aimed at the prevention of effects due to noise, vibration and dust. These measures, including setback distances, operational restrictions and the Environmental Control Berm, will allow the Project to meet MOE guidelines for dust, noise and vibration thresholds at the nearest receptors.

The public open house held on January 20, 2011 was similar format to the May 19, 2010 open house, and provided a focus on the overall Hollinger project as defined by the Environmental Review Report, as well as on permitting requirements.

Concerns from the community deriving from the various open houses fell principally into the following categories:

- **Vibration:** Vibration, caused by blasting, will be managed in a way to prevent damage to residential and commercial structures and so as to minimize disruptions to people. This will be achieved by limiting the amount of explosives ignited simultaneously (referred to as the 'charge size per delay') and by using electronic detonators to better control blasts. In addition, to minimize disturbance due to blasting, regular blasting will only occur during the daytime. Also, blasting during low-ceiling cloud cover will be avoided as much as practicable.
- **Noise:** From a noise perspective, the commencement of open pit activities is the most challenging point in time. At that point equipment will be working at the ground surface and the Environmental Control Berm will not yet have been established. The Project has committed to a combination of working restrictions during the construction period, until the Environmental Control Berm has been built to a height so that these working restrictions are no longer required, including limiting open pit activities to daytime hours only as dictated by local Noise by-laws (7:00 a.m. to 10:00 p.m.) and operational setbacks (i.e., limiting activities to areas at specified distances from receptors). An Environmental Control Berm will be established around the Hollinger Site, and potentially along portions of the Transportation Corridor, to minimize noise effects on receptors in close proximity to the Project Site. The design details are not yet final but it is anticipated that an effective berm height in the order of 20 to 30 m would be needed around the major portion of the Project Site to manage noise levels. The berm will be established early on in the construction phase of the Project. The community facing slopes will be vegetated to make the berm visually appealing.
- **Dust:** The predominant air emissions associated with the Project are expected to be fugitive dust. Due to the proximity of the Project Site to sensitive receptors the following dust prevention measures have been incorporated into Project design. Use of water via water trucks on haul roads or water spray systems on mine rock piles; use of MOE-approved chemical dust suppressants; roadway maintenance, including maintaining a low silt content in roadways; vehicle maintenance; and scheduling of activities.

- Schedule and lifespan:

2011-2012 (approx. 12 Months)	Pre-construction	Accelerated Mine Dewatering Preparatory Work for the Construction Phase
2011-2014 (approx. 24 months)	Construction	<ul style="list-style-type: none"> Overburden stripping Construction of the Environmental Control Berm and Transportation Corridor Developing the ramp to the CPZ UG operation and building the supporting infrastructure
2012-2020 (approx. 8 years)	Operations	<ul style="list-style-type: none"> Developing the ramp to the Millerton UG operation Establishing the shafts if required Mining from the open pit and UG operations Transporting ore to the Dome Mill for processing Progressive rehabilitation of mined out open pits
2020-2023 (approx. 3 years)	Closure	<ul style="list-style-type: none"> Closing and stabilizing Project infrastructure Installing post-closure water management infrastructure Rehabilitating the Project Site and the Transportation Corridor

- Safety:** PGM is committed to upholding the highest standards in health and safety. This means providing a safe environment for its community and employees. This also means being environmentally responsible for its actions. PGM continues to set goals that assist in restoring the past, growing the present and investing in the future of not only the company, but the environment and the local community as well.
- Closure and Future Use:** The principal focus of closure activities will be to secure the Project Site for safety purposes, and, where appropriate, to render the property suitable for other potential uses focusing on local recreation opportunities. The Project intends to engage the community in end land use planning to support the return of the land to a usable, community-friendly multi-purpose space. As a means of enhancing the community's mining character at closure, a plan will be created to develop infrastructure such as a park or monument to commemorate the Hollinger legacy on the Project Site. Full reclamation of the site at closure is planned and will involve consultation with the City and the community. At closure the Project Site will be fully revegetated, with exception of the pit lake. Upon closure the Transportation Corridor would be scarified and allowed to revegetate naturally or, alternatively, it would be turned over to the City of Timmins. The site will become an urban park, complete with waterfront, walking trails, and be available for other recreational uses.
- Job opportunities (number, type, Aboriginal peoples):** Development of the Hollinger Project is expected to result in an estimated 100 to 150 direct mining jobs during the operations phase and projected annual expenditures of \$40 to \$50 million over a period of 6 to 8 years. The benefits of operating the Hollinger Project will go beyond direct employment, however. Purchases of goods and services needed to operate the mine will

generate indirect employment in other sectors of the provincial economy, and purchases of consumer items by Project workers and others will induce additional employment. It is expected that through these requirements another approximately 300 persons would be employed indirectly during the operations phase. It is anticipated that most of the construction and operational labour force will transfer from currently existing employment in the mining sector in Timmins or the surrounding areas.

7.3.3 Community Advisory Committee

The Terms of Reference for the CAC have recently been finalized and invitations to the first meeting were distributed to a variety of community members in early June 2010. The CAC held its first meeting on June 22, 2010. Subsequent monthly meetings have been held in July, August, September and October. The CAC will work together to learn about the project and address community concerns.

7.4 Key Comments, Issues and Concerns

Table 7-2 outlines key comments, issues and concerns that have been brought up to date.

7.5 Path Forward for Operations

As per this document, PGM is in the process of developing a detailed ERR that will be made available for public comment. PGM will use the ERR to spear-head a thorough consultation process with government, City residences and businesses, and other key stakeholders. Details of this process will be jointly developed by PGM, government representatives and key stakeholders.

It is expected that this Consultation Program will be a dynamic process that will be responsive to community needs and concerns.

TABLE 7-2
KEY COMMENTS, ISSUES AND CONCERNS

ID	Method	Role	Comment	Response
1	Meeting	MOE	What measures will be put in place to mitigate the noise generated while constructing the environmental berm?	The construction of the Environmental Control Berm will fall under the construction guidelines for noise. Construction will be limited to daylight hours and the berm will likely be built in various stages depending on the location of the operations. It is estimated that the construction of the berm could take a year, with periodic raises thereafter.
2	Meeting	MOE	Would the height of the berm exceed 20 m?	The berm will be built to above the height of the highest rock pile at a standard 3:1 slope. The initial berm will be built up to 20 m in height pending the results of further modelling. Subsequent berms will be required in areas where rock storage will take place on site to ensure all placement of rock occurs behind a berm.
3	Meeting	MOE	How will you mitigate subsidences in the areas of the berm?	Once plans are finalized for the Open Pit design, a detailed review will take place on the berm location. Ground stability will be reviewed and any stopes that fall within the footprint of the berm or rock storage area will be analyzed in detail to ensure a proper Closure Measure is in place to ensure safety. An intensive consultation with MNDMF will take place to ensure the safety of the workers and the public.
4	Meeting	MOE	Will a program be put in place to monitor the downstream water quality from Pearl Lake?	This area is currently being monitored as part of dewatering activities at the McIntyre Mine. This is covered under an existing C. of A. through MOE. The monitoring programs will continue and be enhanced further once the site begins operating. The downstream Pearl and Clearwater Lakes are monitored for beaver activity to ensure there is no substantial backup of water. This will also continue.
5	Meeting	MOE	How will you ensure water quality in the pit once it is allowed to flood?	This area will be added to the existing water quality monitoring program. It is anticipated that as the precipitation and groundwater fill the open pit, any iron in solution from the interaction with the mine workings will oxidize and precipitate out. Once the pit lake is at surface and drains naturally to the environment, oxygen levels at surface will allow for this process to continue preventing the precipitation of iron downstream.
6	Meeting	MNDMF	What are the effects of dewatering on the existing subsidence areas and mine workings (stability of backfilled sand in the mine workings)?	This will have to be closely researched before dewatering begins. It is anticipated that dewatering will take place slow enough as to not cause concern. All mine workings prone to subsidence are located within fence-lines. A Mitigation Plan will be required.
7	Meeting	MNDMF	Effects of dewatering on the surrounding lands.	This has been studied through hydrogeological baseline studies and modelling. These studies have determined the amount of water that would need to be pumped from the open pit and UG operations, and the effect of this pumping on surface water systems.
8	Meeting	MNDMF	Concern at closure of the effect of groundwater level rebound on the stability of backfilled mine workings.	This topic is the subject on ongoing and further planned investigations to ensure that there will be no public safety issues; all identified potentially hazardous areas having been secured by fencing.
9	Meeting	MNDMF	Stability of noise-barrier rock-	The Environment Control Berm will be constructed

ID	Method	Role	Comment	Response
			berm being constructed over backfilled stopes.	with approximately 2H:1V to 3H:1V (3 horizontal:1 vertical) slopes and will be stable.
10	Meeting	MRCA	Final disposal of water from the pit to Skynner's Creek.	This area will be added to the existing water quality monitoring program.
11	Meeting	City of Timmins	Concerns with numerous stakeholders who use the land where the Transportation Corridor is proposed (Snowmobile Club, Ski Runners).	PGM to have further discussions once final location is confirmed.
12	Meeting	City of Timmins	Will the water tank be affected?	There are ongoing blast and vibration studies to determine the effects of blasting on the water tank and water lines adjacent to the property. At this time the planned 200 m offset shows no effect on the water tower. Demolition permits will be required for taking down all buildings on site.

Appendix E:
Request to Use Site Specific Meteorological Data Set



REQUEST FOR APPROVAL UNDER s.13(1) OF REGULATION 419/05 FOR USE OF SITE SPECIFIC METEOROLOGICAL DATA

General Information

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, C. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate requests for the use of a site specific meteorological data under Section 13 of O. Reg. 419/05. **INCOMPLETE FORMS WILL BE RETURNED TO THE REQUESTOR.** The Ministry of the Environment may request additional information during the review of this request of any form accepted as complete.

1. Technical questions regarding the suitability of specified models should be directed to the Environmental Monitoring and Reporting Branch (EMRB). Questions regarding completion and submission of this request should be directed to the Environmental Assessment and Approvals Branch (EAAB) of the Ministry of the Environment at the address below or to the local District Office which has jurisdiction over the area where the facility is located. A list of these District Offices is available on the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/envision/org/op.htm#Reg/Dist>.
2. Three copies of this form must be submitted to the Ministry of the Environment.

The original should be sent to:

Ministry of the Environment,
Director, O. Reg. 419/05, s.13
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario M4V 1L5
Phone: 416-314-8001
Toll Free: 1-800-461-6290
Email: EAABGen@ene.gov.on.ca

A copy should be sent to:

Ministry of the Environment
Director, O. Reg. 419/05, s.13
Environmental Monitoring and Reporting Branch
125 Resources Road
Toronto (Etobicoke), Ontario M9P 3V6
Phone: 416-235-6300

A copy of this form should also be sent to the local District Office which has jurisdiction over the area where the facility is located.

3. Information contained in this application form is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and the *EBR*. If you do not claim confidentiality at the time of submitting the information, the Ministry of the Environment may make the information available to the public without further notice to you.

Instructions

This form should be used to request the use of site specific meteorological data as required by the Air Pollution – Local Air Quality Regulation (O. Reg. 419/05) and should accompanied by a description of the circumstances surrounding this request. In accordance with s.13 (1) paragraph 3 and 4, a person who discharges or causes or permits the discharge of a contaminant, may request the Director's approval of local or site-specific meteorological data that is an accurate reflection of meteorological conditions; or the use of data obtained from a computational method that is at least as accurate as data that would be obtained by local or site-specific meteorological monitoring. In addition a facility is required to use site specific meteorological data in the following situations: when an Emission Summary and Dispersion Modelling (ESDM) Report is being prepared under s. 30(4) Upper Risk Threshold exceedence; or when a facility wishes to request approval of an alteration of a Schedule 3 standard under s. 32 of O. Reg. 419/05.

Note: It is recommended that facilities that are designing an on-site meteorological monitoring station provide as much information contained on this form as part or a pre-submission consultation with EMRB.

Regulatory Authority

13. (1) *An approved dispersion model that is used for the purposes of this Part shall be used with one of the following types of meteorological data:*
 1. *Regional meteorological data for the part of Ontario in which the source of contaminant is located that was available on May 10, 2005, and that continues to be available, through the Ministry's Public Information Centre.*
 2. *Data described in paragraph 1 that has been refined to reflect local land use conditions.*
 3. *Local or site-specific meteorological data approved by the Director as an accurate reflection of meteorological conditions.*
 4. *Data obtained from a computational method, if the Director is of the opinion that the data is at least as accurate as data that would be obtained by local or site-specific meteorological monitoring. O. Reg. 419/05, s. 13 (1).*
- (2) *Despite subsection (1), the Director may give written notice to a person who discharges or causes or permits the discharge of a contaminant requiring that an approved dispersion model that is used for the purposes of this Part be used with a type of meteorological data specified in the notice that, in the opinion of the Director, accurately reflects meteorological conditions. O. Reg. 419/05, s. 13 (2).*

1. Requestor Information (Owner of works/facility)

Requestor Name (legal name of individual or organization as evidenced by legal documents) Goldcorp Canada Ltd.		Business Identification Number 332664-1
Business Name (the name under which the entity is operating or trading if different from the Requestor Name - also referred to as trade name) Porcupine Gold Mines		
Requestor Type: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Federal Government <input type="checkbox"/> Municipal Government <input type="checkbox"/> Provincial Government <input type="checkbox"/> Other (describe): _____	North American Industry Classification System (NAICS) Code 212220 - Gold and Silver Ore Mining
Business Activity Description (a narrative description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.) Porcupine Gold Mines will operate an Open Pit gold mine.		

2. Site Information

Site Name Porcupine Gold Mines Hollinger Project		MOE District Office Timmins District Office	
Address Information:			
Site Address - Street information (address that has civic numbering and street information includes street number, name, type and direction) 4315 Gold Mine Road			Unit Identifier (i.e. suite or apartment number)
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)			
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number Lot _____ Conc. _____		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan Part _____ Reference Plan _____	
Non Address Information (includes any additional information to clarify the requestor's physical location)			
Municipality/Unorganized Township Timmins		County/District Cochrane County	Postal Code P0N 1H0
Geo Reference (mandatory)			
Map Datum WGS84	Zone 17	Accuracy Estimate	Geo Referencing Method point (central pit)
		UTM Easting 476869	UTM Northing 5368874
Which of the following sections of O. Reg. 419/05 currently applies to your facility? <input type="checkbox"/> s.18 (Schedule 1) <input type="checkbox"/> s.19 (Schedule 2) <input checked="" type="checkbox"/> s.20 (Schedule 3)			

3. Project Technical Information Contact

Name Tony van der Vooren, Ph.D, P.Eng. QEP		Company AMEC Americas Ltd.	
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction) 2020 Winston Park Drive			Unit Identifier (i.e. suite or apartment number)
Delivery Designator: If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3) _____			
Municipality Oakville	Postal Station	Province/State Ontario	Country Canada
		Postal Code L6H 6X7	
Telephone Number (including area code & extension) (905) 529-5400		Fax Number (including area code)	E-mail Address tony.vandervooren@amec.com

4. Reason(s) for Request

The use of site specific meteorological data is being requested in regards to (check all that apply):

<input checked="" type="checkbox"/>	An application for a Certificate of Approval (Please provide Certificate of Approval Number or Application Reference Number): _____
<input type="checkbox"/>	A request because of a notice issued under s.13(2) requiring the use of Local Meteorological data
<input type="checkbox"/>	A submission under s.23, s.24 or s.25 of O. Reg. 419/05 (to prepare an ESDM Report)
<input type="checkbox"/>	An ESDM Report required by s.30 (exceedence of Upper Risk Thresholds)
<input type="checkbox"/>	A request for approval of an alteration of a Schedule 3 standard under s. 32 of O. Reg. 419/05
<input type="checkbox"/>	Abatement activity
<input type="checkbox"/>	Other (please indicate): _____

5. Information about the Proposed Meteorological Monitoring Station

Name Timmins Victor Power Airport		Station Operator Environment Canada		WMO Code (if applicable) 71739	
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)					Unit Identifier (i.e. suite or apartment number)
Delivery Designator: If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3)					
Municipality	Postal Station	Province/State	Country	Postal Code	
Geo Reference (mandatory)					
Map Datum WGS84	Zone 17	Accuracy Estimate	Geo Referencing Method	UTM Easting 472213.14	UTM Northing 5379694.12

6. Information about the Proposed Meteorological Data Set

Local meteorological data set developed by the Ministry of the Environment available from the Ministry
Please specify the location of the meteorological data set: Timmins, Ontario

Local meteorological data from other sources (e.g. Environment Canada sites)
Are the following attached or submitted?

An electronic copy of the Data Set	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Wind Rose	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Assessment of the Completeness of the data and proposed fill-in strategy (if required)	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____

Meteorological data generated from a meteorological tower located on the facility premises or a data set developed by an Industry Association
Are the following attached or submitted?

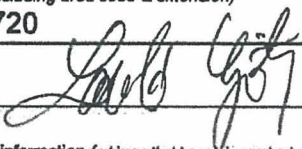
Site Plan	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Location of Meteorological Tower Identified	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Building locations identified	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Elevation Plan	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Anemometer Height	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Rationale for use – why more accurate	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Rationale for siting of monitor	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Details of local topographic issues	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
QA/QC Procedures	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
An electronic copy of the Data Set	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Wind Rose	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____
Assessment of the Completeness of the data and proposed fill-in strategy (if available)	<input type="checkbox"/> Yes	<input type="checkbox"/> No (if no, reason?)	_____

Meteorological data generated from a computational method (e.g. meteorological modelling data set)
Contact the Environmental Monitoring and Reporting Branch for pre-submission consultation

7. Statement of Requestor

I, the undersigned hereby declare that, to the best of my knowledge:

- The information contained herein and the information submitted in support of this application is complete and accurate in every way and I am aware of the penalties against providing false information as per s. 184(2) of the Environmental Protection Act..
- The Project Technical Information Contact Identified this form is authorized to act on my behalf for the purpose of obtaining approval for use of an site specific meteorological data under Section 13 of O. Reg. 419/05 for the equipment/processes identified herein.
- I have used the most recent request form (as obtained from the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/environ/gp/index.htm#PartAir> or the Environmental Assessment and Approvals Branch at 1-800-461-8290) and I have included all necessary information required by O. Reg. 419/05 and identified on this form.

Name of Signing Authority (please print) László Götz		Title Environmental Manager	
Telephone Number (including area code & extension) (705) 235-6720		Fax Number (including area code)	E-mail Address laszlo.gotz@goldcorp.com
Signature 		Date (dd/mm/yyyy) 05/07/2011	
Address Information:			
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction) 130 Adelaide Street West			Unit Identifier (i.e. suite or apartment number) Suite 3201
Delivery Designator: If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3)			
Municipality Toronto	Postal Station	Province/State Ontario	Country Canada
		Postal Code M5H 3P5	