

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 4236-B5NNPP

Issue Date: December 21, 2020

Wesdome Gold Mines Ltd.  
93 Mission Road  
Wawa, Ontario  
P0S 1K0

**Site Location:** Eagle River Mill

52 km down Paint Lake Road, Mishibishu Lake Area  
District of Thunder Bay, Ontario  
P0S 1K0

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

A gold milling and ore processing facility, consisting of the following:

- one (1) wet scrubber for ore crushing (Source SI-1), exhausting into the atmosphere at a volumetric flow rate of 4.72 cubic metres per second, through a stack, having an exit diameter of 0.61 metre, extending 2 metres above the roof and 13.2 metres above grade;
- one (1) screener (Source SI-3), exhausting into the atmosphere at a volumetric flow rate of 0.77 cubic metre per second, through an exhaust, having exit dimensions of 0.38 metre x 0.38 metre, extending 6.1 metres above grade;
- one (1) crushed material conveyor (Source SI-4), exhausting into the atmosphere at a volumetric flow rate of 0.19 cubic metre per second, through an exhaust, having exit dimensions of 0.51 metre x 0.71 metre, extending 10.2 metres above grade;
- one (1) lime application conveyor (Source SI-5), exhausting into the atmosphere at a volumetric flow rate of 1.31 cubic metres per second, through a stack, having exit dimensions of 0.86 metre x 2.13 metres, extending 2 metres above the roof and 13.2 metres above grade;
- one (1) bullion furnace (Source SI-6), exhausting into the atmosphere at a volumetric flow rate of 7.48 cubic metres per second, through a stack, having exit dimensions of 0.86 metre x 0.79 metres, extending 2 metres above the roof and 13.2 metres above grade;
- fugitive road dust emissions (Source SI-7);
- one (1) maintenance welding fume hood (Source SI-8), exhausting into the atmosphere at a volumetric flow rate of 1.65 cubic metres per second, through a

stack, having an exit diameter of 0.51 metre, extending 1.0 metre above the roof and 9.2 metres above grade;

- one (1) laboratory fume hood (Source SI-9), exhausting into the atmosphere at a volumetric flow rate of 0.94 cubic metre per second, through a stack, having an exit diameter of 0.27 metre, extending 4.9 metres above grade;
- one (1) emergency diesel-powered generator (Source S-11), with a maximum rating of 496 kilowatts, exhausting into the atmosphere at a volumetric flow rate of 1.57 cubic metres per second, through a stack, having an exit diameter of 0.2 metre, extending 1.14 metres above the roof and 5.18 metres above grade;
- one (1) emergency diesel-powered generator (Source S-13), with a maximum rating of 250 kilowatts, exhausting into the atmosphere at a volumetric flow rate of 0.88 cubic metre per second, through a stack, having an exit diameter of 0.15 metre, extending 0.41 metre above the roof and 3.12 metres above grade;
- one (1) emergency diesel-powered generator (Source S-14), with a maximum rating of 879 kilowatts, exhausting into the atmosphere at a volumetric flow rate of 2.53 cubic metres per second, through a stack, having an exit diameter of 0.25 metre, extending 0.3 metre above the roof and 4.52 metres above grade;
- one (1) dicalite bin vent collection system (Source S-18), exhausting into the atmosphere at a volumetric flow rate of 0.47 cubic metre per second, through a stack, having an exit diameter of 0.15 metre, extending 2.7 metres above the roof;
- propane-fired mill heating (Source S-17), with a combined maximum thermal input rating of 3,165,168 kilojoules per hour;
- six (6) leach tanks serving the cyanidation process as follows;
  - Leach Tank 1 (Source S-19), with a diameter of 3.96 metres, exhausting 9.1 metres above grade;
  - Leach Tank 2 (Source S-20), with a diameter of 3.81 metres, exhausting 8.1 metres above grade;
  - Leach Tank 3 (Source S-21), with a diameter of 3.81 metres, exhausting 7.7 metres above grade;
  - Leach Tank 4 (Source S-22), with a diameter of 3.81 metres, exhausting 7.3 metres above grade;
  - Leach Tank 5 (Source S-23), with a diameter of 3.81 metres, exhausting 6.9 metres above grade;
  - Leach Tank 6 (Source S-24), with a diameter of 3.81 metres, exhausting 6.6 metres above grade;
- cyanide building ventilation (Source S-25), exhausting into the atmosphere at a

volumetric flow rate of 0.71 cubic metre per second, through a stack, having an exit diameter of 0.41 metre, extending 1.0 metre above the roof and 15.0 metres above grade;

- cyanide mixing ventilation (Source S-26), exhausting into the atmosphere at a volumetric flow rate of 0.47 cubic metre per second, through a stack, having exit dimensions of 0.3 metre x 0.3 metre, extending 6.1 metres above grade;
- tailings pond (Source S-27);
- wet grinding processes, exhausting into the atmosphere at a volumetric flow rate of 0.67 cubic metre per second, through a stack, having exit dimensions of 0.38 metre x 0.28 metre, extending 2.0 metres above the roof and 13.2 metres above grade; and
- eight (8) fuel storage tanks as follows:
  - Clear Diesel Fuel tank with a capacity of 4,500 litres located northwest of the kitchen / shop / bunkhouse;
  - Coloured Diesel Fuel tank with a capacity of 13,600 litres located northwest of the kitchen / shop / bunkhouse;
  - Diesel Fuel tank with a capacity of 2,200 litres located adjacent to the mill building (south);
  - Diesel Fuel tank with a capacity of 4,500 litres located adjacent to the mill building (southwest);
  - Diesel Fuel tank with a capacity of 4,500 litres located south of the main sub station;
  - Diesel Fuel tank with a capacity of 1,500 litres located south of the kitchen / shop / bunkhouse;
  - Diesel Fuel tank with a capacity of 2,200 litres located at the electrical shop;
  - Gasoline tank with a capacity of 4,500 litres located northwest of the kitchen / shop / bunkhouse;

all in accordance with the application for approval submitted by Wesdome Gold Mines Ltd., dated August 31, 2016 and signed by Philip Ng, Chief Operating Officer; and the supporting information including the Emission Summary and Dispersion Modelling Report, submitted by Story Environmental Inc. dated August 2016 and signed by Maria Story, and all additional information in support of the application submitted by Story Environmental Inc.

*For the purpose of this environmental compliance approval, the following definitions apply:*

1. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. "*Best Management Practices Plan*" means the document titled "Fugitive Dust Management Plan", dated November 2009 and prepared by AECOM;
3. "*Company*" means Wesdome Gold Mines Ltd., that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
4. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
5. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended ;
6. "*Equipment*" means the equipment described in the *Company's* application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
7. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
8. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
9. "*Ministry*" means the ministry of the government of Ontario responsible for the *EPA* and includes all officials, employees or other persons acting on its behalf;
10. "*Publication NPC-300*" means the *Ministry* Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August 2013, as amended.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## TERMS AND CONDITIONS

### 1. OPERATION AND MAINTENANCE

1. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:
  - a. prepare, not later than three (3) months after the date of this *Approval*, and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Equipment*, including:
    - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the

*Equipment* suppliers;

- ii. emergency procedures, including spill clean-up procedures;
  - iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
  - iv. all appropriate measures to minimize noise and odorous emissions from all potential sources; and
  - v. the frequency of inspection and replacement of the filter material in the *Equipment*, where applicable;
- b. implement the recommendations of the *Manual*.

## **2. RECORD RETENTION**

1. The *Company* shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this *Approval*, and make these records available for review by staff of the *Ministry* upon request. The *Company* shall retain:
  - a. all records on the maintenance, repair and inspection of the *Equipment*; and
  - b. all records of any environmental complaints, including:
    - i. a description, time and date of each incident to which the complaint relates;
    - ii. wind direction at the time of the incident to which the complaint relates; and
    - iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

## **3. NOTIFICATION OF COMPLAINTS**

1. The *Company* shall notify the *District Manager*, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:
  - a. a description of the nature of the complaint; and
  - b. the time and date of the incident to which the complaint relates.

## **4. NOISE**

1. The *Company* shall, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.

## 5. FUGITIVE DUST CONTROL

1. The *Company* shall implement the *Best Management Practices Plan* for the control of fugitive dust emissions resulting from the operation of the *Facility*. The *Company* shall update the *Best Management Practices Plan*s necessary or at the direction of the *District Manager*.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition No. 1 is included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the *Regulations* and this *Approval*.
2. Condition No. 2 is included to require the *Company* to keep records and to provide information to staff of the *Ministry* so that compliance with the *EPA*, the *Regulations* and this *Approval* can be verified.
3. Condition No. 3 is included to require the *Company* to notify staff of the *Ministry* so as to assist the *Ministry* with the review of the site's compliance.
4. Condition No. 4 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
5. Condition No. 5 is included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the *Regulations* and this *Approval*.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 1676-85VQ6X issued on July 2, 2010.**

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, S.O. 1993, c. 28 (Environmental Bill of Rights), the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.*

*The Notice should also include:*

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary*		The Environmental		The Director appointed for the purposes of
Environmental Review Tribunal		Commissioner		Part II.1 of the Environmental Protection Act
655 Bay Street, Suite 1500	AND	1075 Bay Street, Suite 605	AND	Ministry of the Environment, Conservation
Toronto, Ontario		Toronto, Ontario		and Parks
M5G 1E5		M5S 2B1		135 St. Clair Avenue West, 1st Floor
				Toronto, Ontario
				M4V 1P5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at [www.ebr.gov.on.ca](http://www.ebr.gov.on.ca), you can determine when the leave to appeal period ends.*

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 21st day of  
December, 2020

Rudolf Wan, P.Eng.  
Director  
appointed for the purposes of Part  
II.1 of the *Environmental Protection  
Act*

NB/

c: Area Manager, MECP Sault Ste. Marie Area Office

c: District Manager, MECP Sudbury District Office

Maria Story, Story Environmental Inc.