

Please correct name and address if necessary.

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This information is required under the Québec *Mining Act* and is confidential. The Minister of Energy and Natural Resources has delegated the responsibility of managing the mining statistics program to the Institut de la statistique du Québec. The Institut has entered into an agreement in order to send information on this program to:

- (a) The Minister of Energy and Natural Resources;
- (b) Natural Resources Canada;
- (c) Statistics Canada;

Directives
<p>* Please <b>complete and return</b> this form to the following address:                      Institut de la statistique du Québec                      200, chemin Sainte-Foy, 2e étage                      Québec (Québec) G1R 5T4                      Phone: (418) 691-2404 Toll free: 1 800 561-0213                      Fax: (418) 643-8768 Toll free: 1 866 802-6282</p> <p>* Keep a copy for your records.</p> <p>* <b>Please return the form before March 31, 2020</b></p>

This form covers the twelve (12) months of the current year; if not, please specify: \_\_\_\_\_

<b>Year</b>	<b>2019</b>	<b>Municipality:</b> _____
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**1.3 OPERATIONS**

1.3.1 Did this establishment operate in the calendar year under review (1=yes, 2=no)? **If no, sign and return.**

1.3.2 Did this establishment suspend its operations in the year under review (1=yes, 2=no)?   
**If yes, give date:** \_\_\_\_\_  
 and complete this form from the period in operation.

1.3.3 Did any change in ownership occur during the year under review (1=yes, 2=no)?   
**If yes, give date:** \_\_\_\_\_  
 and complete this form for the full reporting year. (If this is not possible, provide information for the period before change of ownership.) Please provide the name, address and telephone number of the new owner.

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**1.7 NATURE OF BUSINESS OF THIS ESTABLISHMENT**

1.7.1 Major activity (describe briefly) \_\_\_\_\_  
 Other related activities \_\_\_\_\_

1.7.2 Change of activity since last year's report (1=yes, 2=no)?

**1.8 HEAD OFFICES AND ANCILLARY UNITS**

1.8.1 Does this establishment have a Canadian Head Office or Executive Office whose operations are reported separately (1=yes, 2=no)?   
**If yes, provide**

1.8.3 Name \_\_\_\_\_

1.8.4 Address \_\_\_\_\_

1.8.5 Is this establishment served by ancillary units that also serve one or more establishments other than your business (1=yes, 2=no)?

\* **Data for these units must be included in this report.**

COMMENTS
The responses provided on this form are compared with those on prior forms. Please explain any major change that occurred in your activities since your last report.

**I declare that the information in this report is accurate and complete to the best of my knowledge.**

Name of person responsible for this report (please print)	Date of report	
Official position	E-mail address (please print)	Telephone number
Address (if different from mailing address)	Fax number	

<b>2. INVENTORY FOR THIS ESTABLISHMENT</b>		Do these figures include inventory held but not owned (1=yes, 2=no)? <input type="checkbox"/>	Period covered in the present declaration				
			Opening (\$)	Ending (\$)			
2.1.2	Fuel						
2.1.3	Process, maintenance and repair supplies						
2.1.5	Product in process (if any)						
2.1.6	Finished products (ready to ship)						
2.2.	Products bought for resale						
2.3	Other inventory						
<b>2.5</b>	<b>Total of the articles in 2</b>						
<b>5. CONSUMPTION OF PURCHASED FUEL AND ELECTRICITY</b>		Are you reporting consumption (1) or purchases (2)? <input type="checkbox"/>	S.H. Code	Unit of Mesure	Quantity used (estimate if necessary)	Cost at this establishment (\$)	Unit Price (\$)
5.1	Coal		2701	tonnes			
5.2	Natural gas (excluding liquified)		271121	'000 m <sup>3</sup>			
5.3	Gasoline (including aviation)		27100010	litres			
5.4	Kerosene (excluding jet fuel)		27100030	litres			
5.5	Diesel fuel		27100051	litres			
5.6	Light fuel oil (N <sup>os</sup> 2 and 3)		27100052	litres			
5.7	Heavy fuel oil (N <sup>os</sup> 4, 5 and 6)		27100060	litres			
5.8	Liquefied petroleum gases (propane, butane, natural gas, etc.)		271110	litres			
5.9	Electricity purchased (service charges included)		2716	'000 kWh			
5.10	Steam		38239098	gigajoules			
5.10.1	Other fuel purchased and used (specify each type of fuel separately)						
<b>5.11</b>	<b>Total (5.1 to 5.10.1)</b>						
<b>6. SELECTED MINING INPUTS (purchased and used in operations)</b>		Are you reporting consumption (1) or purchases (2)? <input type="checkbox"/>			Cost at this establishment (\$)		
6.2	Purchased raw materials used in operations, including semi-processed materials						
6.4	Containers and other shipping and packing materials		S.H. Code				
6.5.1	Explosives and blasting supplies		XXX				
6.5.2	Collecting reagents for concentrating ores		38239096				
6.5.2.1	Water treatment chemicals (excluding boiler compounds)		38239040				
6.5.3	Lumber and timber (building, support, etc.)		4403				
6.5.4	Lubricating oils and greases		27100040				
6.5.5	Grinding balls and rods		732591				
6.5.6	Rock drill steel rods and bits		820710				
6.5.7	Steel (bars, structurals, plates, galvanized sheets, etc.)		XXX				
6.5.8	Valves and plumbing supplies		XXX				
6.5.9	Repair and/or replacement parts for trucks, tractors and other automotive equipment		XXX				
6.5.10	Repair and/or replacement parts for other operating machinery and equipment		8474				
6.5.99	All other supplies		XXX				
<b>6.6</b>	<b>Total ( 6.5.1 to 6.5.99)</b>						
6.8.1.1	Amount paid to domestic smelters and/or refineries (if applicable)						
6.8.1.2	Amount paid to foreign smelters and/or refineries (if applicable)						
6.8.1.9	Amount paid out to others for work done on materials owned by this establishment (see guide)						
<b>6.8.2</b>	<b>Total ( 6.8.1.1 to 6.8.1.9)</b>						
<b>6.9</b>	<b>Total ( 6.2 + 6.4 + 6.6 + 6.8.2)</b>						
6.8.4	Amount paid out to others for non-capitalized repairs and maintenance (see guide)						

7. Selected non-mining inputs		Cost at this establishment (\$)
7.1	Purchases of goods from other establishments for resale in same condition as purchased (include the transfer of such goods received from other establishments of your company - report sales of these goods in 9.1 and inventory in 2.2).	
7.2	Materials and supplies used in new construction produced by own labour for own use.	
7.3	Materials and supplies used in the production and/or installation of any machinery/equipment by own labour for own use.	
7.4	Office supplies purchased and used	
7.5	All other purchased materials and supplies used by this establishment	
<b>7.6</b>	<b>Total (7.1 to 7.5)</b>	

**8. DELIVERIES** (from the mine or the plant): report according to type of product - ore, concentrate, doré bars, slag, tailings and other products (specify).

THE QUANTITIES represent:

- 1 - Deliveries from the mine plant.
- 2 - Deliveries from the port.
- 3 - Deliveries from other locations.
- 4 - Production.
- 5 - If others, specify: \_\_\_\_\_

VALUE OF THE SETTLEMENT:

- 1 - Production at the time it is registered at the mind/plant.
- 2 - Sales.
- 3 - If others, specify: \_\_\_\_\_

Product: _____ Destination: _____	Smelting and refining expenses	Transport expenses outward by contract carriers	Quantity delivered	Quantity delivered	Value (incl. Smelting and refining, excl. transport)	Unit Price (\$)
			Gross weight of metal	Metals paid for		
<b>8.1.10</b> Weight of the product (tonnes)	XXXX	XXXX		XXXX	XXXX	
<b>Metals contained</b>						
8.1.11 Gold (g)	XXXX	XXXX				
8.1.12 Silver (kg)	XXXX	XXXX				
8.1.13 Copper (kg)	XXXX	XXXX				
8.1.14 Lead (kg)	XXXX	XXXX				
8.1.15 Zinc (kg)	XXXX	XXXX				
Other (specify)						
8.1.16 (kg)	XXXX	XXXX				
8.1.17 (kg)	XXXX	XXXX				
<b>8.1.19 Total (\$)</b>			XXXX	XXXX		
Product: _____ Destination: _____	XXXX	XXXX	XXXX	XXXX	XXXX	
<b>8.1.20</b> Weight of the product (tonnes)	XXXX	XXXX		XXXX	XXXX	
<b>Metal contained</b>						
8.1.21 Gold (g)	XXXX	XXXX				
8.1.22 Silver (kg)	XXXX	XXXX				
8.1.23 Copper (kg)	XXXX	XXXX				
8.1.24 Lead (kg)	XXXX	XXXX				
8.1.25 Zinc (kg)	XXXX	XXXX				
Other (specify)						
8.1.26 (kg)	XXXX	XXXX				
8.1.27 (kg)	XXXX	XXXX				
<b>8.1.29 Total (\$)</b>			XXXX	XXXX		
Product: _____ Destination: _____	XXXX	XXXX	XXXX	XXXX	XXXX	
<b>8.1.30</b> Weight of the product (tonnes)	XXXX	XXXX		XXXX	XXXX	
<b>Metal contained</b>						
8.1.31 Gold (g)	XXXX	XXXX				
8.1.32 Silver (kg)	XXXX	XXXX				
8.1.33 Copper (kg)	XXXX	XXXX				
8.1.34 Lead (kg)	XXXX	XXXX				
8.1.35 Zinc (kg)	XXXX	XXXX				
Other (specify)						
8.1.36 (kg)	XXXX	XXXX				
8.1.37 (kg)	XXXX	XXXX				
<b>8.1.39 Total (\$)</b>			XXXX	XXXX		

NOTE: INTEGRATED PRODUCERS - ALSO FILL OUT PAGE 5

Product: _____ Destination: _____		Smelting and refining expenses	Outward transport charges by contract carriers	Quantity	Quantity	Value (incl. smelting and refining, excl. transport)	Unit Price (\$)
				Gross weight of metal	Metals paid for		
8.1.40	Weight of the product (tonnes)	XXXX	XXXX		XXXX	XXXX	
<b>Metal contained</b>							
8.1.41	Gold (g)	XXXX	XXXX				
8.1.42	Silver (kg)	XXXX	XXXX				
8.1.43	Copper (kg)	XXXX	XXXX				
8.1.44	Lead (kg)	XXXX	XXXX				
8.1.45	Zinc (kg)	XXXX	XXXX				
	Other (specify)						
8.1.46	(kg)	XXXX	XXXX				
8.1.47	(kg)	XXXX	XXXX				
<b>8.1.49</b>	<b>Total (\$)</b>			XXXX	XXXX		
Product: _____ Destination: _____		XXXX	XXXX	XXXX	XXXX	XXXX	
8.1.50	Weight of the product (tonnes)	XXXX	XXXX		XXXX	XXXX	
<b>Metal contained</b>							
8.1.51	Gold	XXXX	XXXX				
8.1.52	Silver	XXXX	XXXX				
8.1.53	Copper	XXXX	XXXX				
8.1.54	Lead	XXXX	XXXX				
8.1.55	Zinc	XXXX	XXXX				
	Other (specify)						
8.1.56	(kg)	XXXX	XXXX				
8.1.57	(kg)	XXXX	XXXX				
<b>8.1.59</b>	<b>Total (\$)</b>			XXXX	XXXX		
Product: _____ Destination: _____		XXXX	XXXX	XXXX	XXXX	XXXX	
8.1.60	Weight of the product (tonnes)	XXXX	XXXX		XXXX	XXXX	
<b>Metal contained</b>							
8.1.61	Gold	XXXX	XXXX				
8.1.62	Silver	XXXX	XXXX				
8.1.63	Copper	XXXX	XXXX				
8.1.64	Lead	XXXX	XXXX				
8.1.65	Zinc	XXXX	XXXX				
	Other (specify)						
8.1.66	(kg)	XXXX	XXXX				
8.1.67	(kg)	XXXX	XXXX				
<b>8.1.69</b>	<b>Total (\$)</b>			XXXX	XXXX		
Product: _____ Destination: _____		XXXX	XXXX	XXXX	XXXX	XXXX	
8.1.70	Weight of the product (tonnes)	XXXX	XXXX		XXXX	XXXX	
<b>Metal contained</b>							
8.1.71	Gold	XXXX	XXXX				
8.1.72	Silver	XXXX	XXXX				
8.1.73	Copper	XXXX	XXXX				
8.1.74	Lead	XXXX	XXXX				
8.1.75	Zinc	XXXX	XXXX				
	Other (specify)						
8.1.76	(kg)	XXXX	XXXX				
8.1.77	(kg)	XXXX	XXXX				
<b>8.1.79</b>	<b>Total (\$)</b>			XXXX	XXXX		

**INTEGRATED ACTIVITIES - DELIVERIES TO YOUR OWN SMELTING PLANT, YOUR REFINERY OR ANOTHER PLANT FOR SUBSEQUENT PROCESSING**

Indicate in the headings below the figures for the products of the mine or processing plant (from the ore coming exclusively from your mines) that you transferred to your own smelting plant, your refinery or another plant for subsequent processing. Indicate all the quantities of metals contained in the products as gross crude content.

		Quantity transferred
8.1.1.10	Product	
8.1.1.10.1	Destination	XXXXX
Containing:		
8.1.1.11	Gold (g)	
8.1.1.12	Silver (kg)	
8.1.1.13	Copper (kg)	
8.1.1.14	Plomb (kg)	
8.1.1.15	Zinc (kg)	
Other (specify)		
8.1.1.16		
8.1.1.20	Product	
8.1.1.20.1	Destination	XXXXX
Containing:		
8.1.1.21	Gold (g)	
8.1.1.22	Silver (kg)	
8.1.1.23	Copper (kg)	
8.1.1.24	Lead (kg)	
8.1.1.25	Zinc (kg)	
Other (specify)		
8.1.1.26		
8.1.1.30	Product	
8.1.1.30.1	Destination	XXXXX
Containing:		
8.1.1.31	Gold (g)	
8.1.1.32	Silver (kg)	
8.1.1.33	Copper (kg)	
8.1.1.34	Lead (kg)	
8.1.1.35	Zinc (kg)	
Other (specify)		
8.1.1.36		

Indicate the deliveries of all the products and by-products manufactured in the course of the integrated activities of your smelting plants, your refineries and your processing plants. The value must correspond to the value of the sale of the products or by-products delivered (manufactured from your own ore, but only after smelting, refining or other processing).

		Quantity delivered	Value of deliveries (including the containers)
8.1.1.50	Product		
Containing:			
8.1.1.51	Gold (g)		
8.1.1.52	Silver (kg)		
8.1.1.53	Copper (kg)		
8.1.1.54	Lead (kg)		
8.1.1.55	Zinc (kg)		
Other (specify)			
8.1.1.56			
8.1.1.60	Product		
Containing:			
8.1.1.61	Gold (g)		
8.1.1.62	Silver (kg)		
8.1.1.63	Copper (kg)		
8.1.1.64	Lead (kg)		
8.1.1.65	Zinc (kg)		
Other (specify)			
8.1.1.66			
8.1.1.70	Product		
Containing:			
8.1.1.71	Gold (g)		
8.1.1.72	Silver (kg)		
8.1.1.73	Copper (kg)		
8.1.1.74	Lead (kg)		
8.1.1.75	Zinc (kg)		
Other (specify)			
8.1.1.76			

<b>8. SHIPMENTS OF GOODS FROM YOUR OWN PRODUCTION</b>				Value of deliveries
				\$
Common or contract carriers, any discounts, rebates, etc.				
8.1.170	Total revenue			
8.1.171	Other goods shipped (specify the goods)	<b>Commodity</b>		
8.1.200	Subsidies received			
8.2	<b>Total (8.1170 to 8.1.200)</b>			
8.3	Were the following items excluded in 8.2? <span style="float: right;">Indicate 1=yes or 2=no and the amounts</span>			
8.3.1	Total payments for outward transport charges by common or contract carriers	<input type="checkbox"/>		
8.3.2	Total payments of sales taxes charged to the customer, excise duties and taxes	<input type="checkbox"/>		
8.3.3	Total amount of discounts, sales allowances and returned sales	<input type="checkbox"/>		
8.4	Total ( 8.3.1 to 8.3.3)			
8.6	Amount received in payment for work done on materials and goods owned by other establishments			
8.7	<b>Total (8.2 + 8.6)</b>			
<b>9. SELECTED NON-MINING OUTPUTS</b>				\$
9.1	Value of shipments of goods bought and sold in the same conditions as purchased (the purchase of these goods)			
9.2	Book value of new construction for own use (the amount attributable to fixed assets account only) (include the cost of materials reported in 7.2 and of labour reported in 14.1.3.1)			
9.3	Book value of machinery and equipment made by own labour for own use (the amount attributable to fixed assets account only; include the cost of materials reported in 7.3 and of labour reported in 14.1.3.1)			
9.4	Revenue from sale of electricity			
9.5	Revenue from the lease or rental of machinery and equipment made by your establishment			
9.6	All other revenue from goods and services (do not include revenue not connected with operations, such as interest, dividends, the sale of used capital goods, etc.)			
9.6.1	Deductions from payroll for board and/or lodging			
9.6.2	Value of board and lodging when provided in lieu of salaries and wages (excluding amounts reported in 9.2 and 9.3)			
9.7	<b>Total (9.1 to 9.6.2)</b>			
13.1	<b>PRODUCTION DETAILS</b>	13.1.1 Underground mine	13.1.2 Open-pit mine	13.1.4 Processing plant
	Number of days of operation			
13.1.6	Number of mines referred to in this report			
13.1.7	Your plant's processing capacity (tonnes of ore per 24 hours)			
13.1.9	Average number of hours per day of operation at the plant			
	<b>Mining activity:</b>	Rock cuttings (tonnes)	Overburden (tonnes)	Ore (tonnes)
13.1.12	Underground		XXXXX	
13.1.13	Open-pit			
13.1.15	<b>Total, ore extracted</b>			
13.1.16	Ore rejected			
	<b>Milling/concentration:</b>		Old tailings reprocessed (tonnes)	Milled ore
13.2.1.1	Ore exclusively from your mines			
13.2.1.2	Ore processed on a toll basis or purchased (specify the names and addresses of the enterprises for which you processed the ore)			
13.2.1.9	<b>Total</b>			

**13.4.0 PRODUCTION, INVENTORIES AND DELIVERIES (from the mine or the plant):**

Report according to the type of product - ore, concentrate (specify), doré bar, slag, tailings and other products (specify).

Product (tonnes)	Inventory - January 1		Production	Inventory - December 31		Deliveries
	At the mine	In transit		At the mine	In transit	
13.3.4.10						
Containing:						
13.3.4.11    Gold (g)						
13.3.4.12    Silver (kg)						
13.3.4.13    Copper (kg)						
13.3.4.14    Lead (kg)						
13.3.4.15    Zinc (kg)						
Other (specify)						
13.3.4.16						
13.3.4.19    Value (\$) of the product			XXXXX			
<b>Product (tonnes)</b>						
13.3.4.20						
Containing:						
13.3.4.21    Gold (g)						
13.3.4.22    Silver (kg)						
13.3.4.23    Copper (kg)						
13.3.4.24    Lead (Kg)						
13.3.4.25    Zinc (kg)						
Other (specify)						
13.3.4.26						
13.3.4.29    Value (\$) of the product			XXXXX			
<b>Product (tonnes)</b>						
13.3.4.30						
Containing:						
13.3.4.31    Gold (g)						
13.3.4.32    Silver (kg)						
13.3.4.33    Copper (kg)						
13.3.4.34    Lead (kg)						
13.3.4.35    Zinc (kg)						
Other (specify)						
13.3.4.36						
13.3.4.39    Value (\$) of the product			XXXXX			
<b>Product (tonnes)</b>						
13.3.4.40						
Containing:						
13.3.4.41    Gold (g)						
13.3.4.42    Silver (kg)						
13.3.4.43    Copper (kg)						
13.3.4.44    Lead (kg)						
13.3.4.45    Zinc (kg)						
Other (specify)						
13.3.4.46						
13.3.4.49    Value (\$) of the product			XXXXX			

14. EMPLOYMENT (see guide)	Saleries and Wages (\$)	Average Number Employed		Person-Hours	
		Male	Female	Hours worked and Paid (Do not include paid holidays)	Total Hours Paid (Including hours not worked but paid)
14.1 <b>Employees at this location</b>					
14.1.1 Administration staff, etc.					
<b>Production workers</b>		Surface :	Surface :		
14.1.1.2 Extraction workers		Underground :	Underground :		
14.1.1.3 Treatment workers					
14.1.2 <b>Total (14.1.1.2 + 14.1.1.3)</b>					
14.1.3.1 Employees in new construction					
14.1.3.2 Other production and related workers					
14.1.4 <b>Total (14.1.3.1 + 14.1.3.2)</b>					
14.2 <b>Employees at other location emplacements</b>					
14.2.1.1 Administrative staff, etc.					
14.2.1.2 Other (specify)					
14.2.2 <b>Total (14.2.1.1 + 14.2.1.2)</b>					
14.3.1 <b>Total (14.1.1 + 14.1.2 + 14.1.4 + 14.2.2)</b>					

14.5 Number of extraction and treatment workers employed each month:												
	January	February	March	April	May	June	July	August	Septembre	October	November	December
14.6	Total 12 months											
14.7	Average number of workers (14.6 / 12)											
14.8	Average total of extraction and treatment workers											

OTHER INFORMATION		\$
11.	Revenue from rental of immovables (lan, buildings, office, etc.)	
12.	Revenue from lease or rental of machinery or equipment other than that included in 9.5 above	
13.7.6	Royalties paid to governments	
13.7.19	Royalties paid (other than 13.7.6)	
13.8.1	Cost of buildings, roads, machinery, etc., built by contractors and chrgable to fixed assets account	
13.8.2	Other capital expenditures not including in 9.2, 9.3 or 13.8.1, such as land, etc.	



Section 40 - PURCHASED SERVICES EXPENSES <sup>1</sup>					
		\$			\$
40.1	Purchased transportation, shipping (contracted out), warehousing, storage, postage and courier expenses		40.11	Payments to employment agencies or personnel suppliers	
40.2	Rental and leasing expenses		40.12	R&D expenses (contracted out)	
40.5.6	Professional and business services (e.g. legal, accounting, architectural and technical service fees)		40.13	Insurance premiums	
40.6	Consulting fees		40.14	Advertising and promotion expenses	
40.7	Contract drilling services		40.15	Travel, meal and entertainment expenses	
40.8	Management fees		40.16	All other purchased services expenses not specified elsewhere (include financial service fees and telephone and communication expenses)	
40.10	Purchased repair and maintenance service expenses		40.17	Total all purchased services	

<sup>1</sup> Purchased services are those obtained from another company or a separate unit of your company, excluding services produced in-house in the unit for which you are completing this form.

**Explanatory Notes (Section 40)**

LINE 40.1 - **Include** trucking, freight forwarding, customs brokerage paid to a common or contract carrier, warehousing and storage expenses. **Exclude** the cost of transportation of materials, components and supplies if it is included in the price of the materials, components and supplies.

LINE 40.2 - **Include** office space, office furniture, computers, fax, machines, pagers, cellular phones, television, radios, video cassette recorders, cars, trucks, vans, machinery and equipment without driver/operator. **Exclude** rental and leasing of vehicles and machinery with driver/operator.

LINE 40.5.6 - **Include** legal and accounting fees, technical service fees, consulting fees, and education and training service fees. **Exclude** consulting fees that are reported separately under Line 40.6.

LINE 40.6 - **Include** management (financial, human resources, marketing, business, public relations, etc.) and services related to information technology (computers, hardware and/or software, systems maintenance services). **Exclude** environmental consulting services.

LINE 40.7 - **Include** drilling for minerals. **Exclude** oil and gas drilling.

LINE 40.10 - **Include** materials, parts and labour. **Exclude** property management fees.

LINE 40.11 - **Include** pay for temporary workers paid through an agency and charges for personnel search services.

LINE 40.13 - **Include** liability, auto, building and equipment insurance premiums.

LINE 40.16 - **Include** waste and hazardous material removal fees, financial service fees such as bank charges, credit and debit card commissions, including interest expenses.

## MINING ACTIVITIES 2019 - Appendix 52

### 4. MINE PRODUCTION AND ORE RESERVES

File No.:

#### 4.2 Enter the destinations of the ore extracted in 2019 and the contents.

(Names of processing plants and all other destinations. Consider your own processing plant as a destination. Report the quantity of ore extracted from the shaft or removed from the tunnel entrance. Do not report the quantities taken from the reserve stockpiles.)

1	2	3-10							
Destination of extracted ore (e.g. name of plant)	Quantity of extracted ore shipped in <b>2019</b> (Metric tonnes)	<b>Contents</b> (of all the elements contained in the ore. If not known, provide an estimate (and enter «E»).							
		3 Copper %	4 Nickel %	5 Lead %	6 Zinc %	7 Cobalt %	8 Gold g/t	9 Silver g/t	10 Other _____

#### 4.3 Enter the ore to be extracted in 2020 and the contents.

1	2-9							
Estimated quantity of ore to be extracted in <b>2020</b> (Metric tonnes)	<b>Contents</b> (of all the elements contained in the ore. If not known, provide an estimate (and enter «E»).							
	2 Copper %	3 Nickel %	4 Lead %	5 Zinc %	6 Cobalt %	7 Gold g/t	8 Silver g/t	9 Other _____

#### 4.4 Enter the reserves, resources and contents on December 31, 2019.

(In response to question 4.4, you may attach the section of your financial statements concerning reserves and resources.)

1	2	3-10							
Reserves and Resources (according to regulation 43-101)	Quantity on <b>December 31, 2019</b> (Metric tonnes)	<b>Contents</b> (of all the elements contained in the ore. If not known, provide an estimate (and enter «E»).							
		3 Copper %	4 Nickel %	5 Lead %	6 Zinc %	7 Cobalt %	8 Gold g/t	9 Silver g/t	10 Other _____
4.4.1 Ore stockpile									
4.4.2 Proven									
4.4.3 Probable									
4.4.5 Resources (measured and indicated)									

### 5. EVENTS AND COMMENTS

#### 5.1 Mention the important events that occurred in 2019 (e.g. delineation of new deposits or expansion projects, etc.).

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#### 5.2 Do you foresee major changes in the mine's productivity after 2019?

(1 - yes, 2 - no)

Expected date of change:

New expected annual rate of productivity (in tonnes of ore processed):

**ACTIVITIES OF ORE PROCESSING PLANTS - Appendix 54**  
(Appendix to be completed by mines with their own processing plant and by milling plants.)

**4. METALLURGICAL BALANCE SHEET** (Recovery in the processing plant)

**4.2 PRODUCTION OF BRICKS IN 2019**

(Indicate the production obtained in the form of bricks, for your own mines and those that had ore processed by your mill.)

Establishment or mine (Name)	Number of bricks	Quantity of metal produced				PERCENTAGE RATE OF RECOVERY	
		Gross weight of bricks (g)	Gold (g)	Silver (g)	Other substances or impurities (g)	Please provide the rates of recovery of the mill for each establishment or mine	
						Gold %	Silver %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>4.2.1 TOTAL</b>							

**4.3 PRODUCTION OF CONCENTRATES OR OTHER PRODUCTS IN 2019**

Identify each concentrate by its main element, for each establishment or mine. Identify the rates of recovery of the mill for each substance recovered, for each establishment or mine.

Establishment or mine (Name)	Type of concentrate	Quantities (Metric tonnes)	Cu %	Ni %	Pb %	Zn %	Mo %	Au g/t	Ag g/t	Cobalt %	Niobium %	PERCENTAGE RATE OF RECOVERY				
												Cu %	Zn %	Au %	Ag %	Others %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)