

2.0 REGULATORY FRAMEWORK

IAMGOLD has been working closely with the Provincial and Federal regulatory agencies to harmonize the Federal and Provincial Environmental Assessment (EA) processes applicable to the Côté Gold Project (the Project) and, where possible, align public consultation periods to meet both Federal and Provincial requirements, to minimize duplication of effort.

Together, the resulting Federal Environmental Impact Statement (EIS) Guidelines and the Provincially-approved Terms of Reference (ToR) set out the framework and requirements for this EA Report. The EIS Guidelines and the approved ToR, along with concordance tables, are provided in Appendices B and C respectively, to demonstrate how the EA Report meets both the Federal EIS Guidelines and the Provincially-approved ToR.

2.1 Federal Environmental Approvals

IAMGOLD submitted a Project Description to the Canadian Environmental Assessment Agency (the Agency) on March 15, 2013. Based on the Project Description, the Agency determined that a Federal EA, pursuant to the *Canadian Environmental Assessment Act 2012* (CEAA 2012), was required. The Agency then issued draft EIS Guidelines on May 13, 2013 to determine the scope of the EA required for the Project. On July 9, 2013, IAMGOLD was informed that a Standard Assessment would be required for the Côté Gold Project and final EIS Guidelines were issued by the Agency, which this EA Report is intended to fulfil.

Following completion of the EA, several additional Federal environmental approvals may be required for the development of the Project. Table 2-1 summarizes the types of Federal environmental approvals that could potentially be required for the Project. In addition, engineering approvals related to explosives manufacturing and/or storage will be required.

Table 2-1: Expected Additional Federal Environmental Approvals and Relevant Project Component

Federal Approval	Act/Responsible Agency	Relevant Project Component
Section 35 (2)b. Authorization for serious harm to fish that are part of a commercial, recreational or Aboriginal fishery, or to fish that support such a fishery	<i>Fisheries Act</i> Fisheries and Oceans Canada	Construction of the tailings facility, mine rock stockpiles, access road creek crossings, water works for water intake structures, and/or groundwater dewatering effects, that would cause disruption to creeks and/or ponds supporting fish that are part of, or support a fishery.
Schedule 2 Listing	Federal Metal Mining Effluent Regulations (MMER) <i>Fisheries Act</i> Environment Canada	Overprinting of waters frequented by fish, by a deleterious mineral waste (tailings management facility).

Federal Approval	Act/Responsible Agency	Relevant Project Component
Section 4 (1) - The 'opt-in' provision for approval of work in a non-scheduled waterway	<i>Navigation Protection Act</i> Transport Canada	Construction of channel realignments and dams in non-scheduled waters in the NPA will be subject to the common law right of navigation; the legislation allows proponents of works in non-scheduled waters the option of seeking an assessment (opt-in), and potential approval, of a proposed work in advance of construction.
Licence for an explosives factory	<i>Explosives Act</i>	Operation of an on-site facility to supply explosives for use in the open pit operations.
Aeronautical obstruction clearance	Transport Canada	Marking and lighting for structures that could interfere with aeronautical navigation.
Land-use clearance	NAV CANADA	Construction of tall structures, use of cranes, high-voltage equipment, blasting.

2.2 Provincial Environmental Approvals

IAMGOLD entered into a Voluntary Agreement with the Ontario Ministry of the Environment on May 3, 2013, now Ministry of the Environment and Climate Change (MOECC), to conduct a Provincial Individual EA for the Côté Gold Project that will meet the requirements of the Ontario *Environmental Assessment Act*.

The Province of Ontario does not require assessment of mining projects in their entirety. Several individual aspects of the Côté Gold Project were however, anticipated to require completion of Provincial EA process(es), including:

- the construction and operation of a 230 kilovolt (kV) transmission line of approximately 160 kilometre (km) in length (Individual EA for Permanent Power Supply);
- temporary diesel generation of between one and five megawatts of power (Class EA for Temporary Power Supply per Ontario Regulation 116/01 for Electricity Projects);
- disposition of Crown resources, potentially related to Crown lands (such as work on streambeds/shorelands) and potential effects on species at risk (SAR) (Class EA for Ministry of Natural Resources and Forestry (MNR) Resource Stewardship and Facility Development Projects) for both the Project site and the transmission line; and
- the development of a landfilling site or dump with a total waste disposal volume of more than 40,000 cubic metres (per Ontario Regulation 101/07 for Waste Management Projects); and
- the Class EA for activities of the Ministry of Northern Development and Mines (MNDM) under the *Mining Act*.

The Provincial Individual EA for the overall Project integrates these processes into one single comprehensive EA document. The EA has been completed in accordance with Section 6.1(2) of the Ontario *Environmental Assessment Act*, and will consider the whole Côté Gold Project and not just those aspects having Provincial EA requirements.

IAMGOLD initiated the Provincial EA process, through the submission of a Draft ToR, to facilitate ongoing public consultation on the Project. A Draft ToR was issued for a 30 day public review comment period between May 10, 2013 and June 9, 2013. The Draft ToR was subsequently revised, based on comments on the document and results of open houses, and was re-issued as the Proposed ToR for another 30 day public comment review period from July 19, 2013 and August 19, 2013. The Proposed ToR was approved by the Ontario Minister of the Environment on January 14, 2014.

The *Ontario Water Resources Act*, the *Ontario Environmental Protection Act*, the *Mining Act*, the *Public Lands Act* and several others contain associated regulations, guidelines and policies that stipulate that relevant aspects of the natural and/or human use environments are to be protected against contamination and undue disturbance from industrial and other sources, except as provided through the granting of permits, approvals and authorizations.

There are five primary Provincial agencies that could be involved with approvals / permits for the Project: MNDM, MOECC, MNRF, Ministry of Transportation (MTO) and the Ontario Energy Board (OEB):

- the MNDM has a responsibility to ensure the orderly development of mineral resources in the Province of Ontario, including responsibilities for the disposition of Crown lands for mining, and for mine closure activities;
- the MOECC grants permits and approvals that address Project aspects related to water and air quality (including noise) and waste management;
- the role of the MNRF is to ensure the protection and wise use of Crown resources not otherwise disposed, such as through the *Mining Act* administered by the MNDM;
- the MTO provides management of the Provincial highway system, as well as other aspects related to the *Highway Traffic Act*; and
- the OEB has responsibility for energy-related approvals, including approval to construct transmission lines, and operates as an adjudicative tribunal, carrying out its regulatory function through oral or written public hearings.

The Ministry of Culture, Tourism and Sport (MCTS) will also be involved in the review and acceptance of cultural heritage resources reports.

In addition, a number of Provincial environmental approvals are expected to be required to construct and operate the Project. Table 2-2 provides a preliminary listing of the Provincial approvals anticipated to be required or likely to be required, for the construction and operation

of the Project. These Provincial permits and approvals are informed, in part, by this EA Report as part of the Provincial EA process.

Table 2-2: Expected Provincial Environmental Approvals and Relevant Project Component

Provincial Approval	Act/Responsible Agency	Relevant Project Components
Closure Plan	<i>Mining Act</i> MNDM	Mine construction/production and closure, including financial assurance.
Environmental Compliance Approval – Industrial Sewage Works	<i>Ontario Water Resources Act</i> MOECC	Construction of a mine/mill water treatment system(s) discharging to the environment, such as for tailings, polishing pond, pit water, site storm water,,mine rock pile runoff, and refuelling and oil/lubrication areas.
Permits to Take Water	<i>Ontario Water Resources Act</i> MOECC	For taking of ground or surface water (in excess of 50 cubic meters per day), such as for potable needs, supplementing the process plant water balance, pit dewatering and potential ice bridges during transmission line construction. During construction, a permit(s) may be required for dam and/or mill construction to keep excavations dry. A permit may be required for realignments and dam construction at Project site waterbodies/watercourses.
Various Work Permits for Construction	<i>Lakes & Rivers Improvement Act/Public Lands Act</i> MNRF	For work/construction on Crown land. Could be required as part of construction of a transmission line. Multiple permits could be required.
Lakes and Rivers Improvement Act (LRIA) Permit	<i>Lakes & Rivers Improvement Act</i> MNRF	Construction of a dam in any lake or river (in circumstances as set out in the regulations) requires written approval of the Minister for the location of the dam and its plans and specifications.
Forest Resource License (Cutting Permit)	<i>Crown Forest Sustainability Act</i> MNRF	For clearing of Crown merchantable timber. Could be required as part of construction of the transmission line.

Provincial Approval	Act/Responsible Agency	Relevant Project Components
Aggregate Permit	<i>Aggregate Resources Act</i> MNRF	Extraction of aggregate (e.g., sand/gravel/rock for tailings dam or other site construction).
Environmental Compliance Approval – Air and Noise (Operation)	<i>Environmental Protection Act</i> MOECC	Discharge of air emissions and noise, such as from haul trucks (road dust), and structures including the ore processing plant, refuelling / oil / lubrication area, administration complex, on-site laboratory and other buildings.
Environmental Compliance Approval – Waste Disposal Site	<i>Environmental Protection Act</i> MOECC	For operation of a landfill and/or waste transfer site.
Environmental Compliance Approval – Waste Management System	<i>Environmental Protection Act</i> MOECC	For the transportation of waste materials off-site and onto provincial highways.
Land Use Permit	<i>Public Lands Act</i> MNRF	To obtain tenure for permanent facilities on Crown land, such as for a transmission line.
Leave to Construct	<i>Ontario Energy Board Act</i> OEB	Approval to construct a transmission line.
Clearance Letter	<i>Heritage Act</i> Ministry of Tourism, Culture, Sport (MTCS)	Confirmation that appropriate archaeological studies and mitigation, if required, have been completed for the Project.
Environmental Compliance Approval – Sewage Works	<i>Environmental Protection Act</i> MOECC	Establishment and operation of a domestic sewage treatment plant, treatment of domestic waste produced at the Project site including back wash and sludge produced in the sewage treatment plant.
Endangered Species Permit	<i>Endangered Species Act</i> MNRF	Any activity that could adversely affect species or their habitat identified as ‘Endangered’ or ‘Threatened’ in the various schedules of the Act.
Highway Encroachment / Entrance	<i>Public Transportation and Highway Improvement Act</i> MTO	Construction of a transmission line or access road within a provincial highway right of way.

2.3 Municipal Approvals

Since the Project is located in an unorganized, north part of the town of Sudbury, which is not an incorporated municipality, no municipal approvals are anticipated at this time.

2.4 Other Regulatory Aspects

As requested by the Federal EIS Guidelines, additional information has been provided in this document as follows:

- Government policies, resource management, planning or study initiatives pertinent to the project and/or EA and a discussion of their implications: there are no such policies or initiatives known to exist.
- Treaty or self-government agreements with Aboriginal groups that are pertinent to the project and/or EA: The Project is located within the Treaty 9 area. An Impact Benefit Agreement is currently being negotiated with the Wabun Tribal Council and a Memorandum of Understanding has been signed and ratified with the Métis Nation of Ontario (MNO). Discussions about an Impact Benefit Agreement with the Métis Nation of Ontario have been initiated and negotiations will commence upon the completion of MNO's TK/TLU study.
- Relevant Land Use Plans, Land Zoning, or Community Plans are presented in Appendix O.

A summary of the regional, provincial and/or federal objectives, standards or guidelines that have been used to assist in the evaluation of any predicted environmental effects are presented in Table 2-3.

Table 2-3: Provincial and Federal Objectives, Standards and Guidelines Used in the EA

Discipline	Objective / Standard / Guideline	Provincial / Federal
Air Quality	Canadian <i>Environmental Protection Act</i>	Federal
	Canada Wide Standards	Federal
	Ontario Ambient Air Quality Criteria	Provincial
	Ontario Regulation 419/05	Provincial
	Greenhouse Gas Protocol	International
	Guideline for Greenhouse Gas Emissions Reporting	Provincial
	Ontario Regulation 452/09	Provincial
	Greenhouse Gas Emissions Reporting – Technical Guidance on Reporting Greenhouse Gas Emissions	Federal
Climate Change	Incorporating Climate Change Considerations in Environmental Assessment : General Guidance for Practitioners	Provincial & Federal

Discipline	Objective / Standard / Guideline	Provincial / Federal
Noise & Vibration	NPC-115	Provincial
	NPC-118	Provincial
	NPC-119	Provincial
	NPC-300	Provincial
	ISO-2631-2	International
	ISO-9613	International
Water Quality	Canadian Water Quality Guidelines for the Protection of Aquatic Life	Federal
	Canadian Drinking Water Quality Guidelines	Federal
	Metal Mining Effluent Regulations	Federal
	Ontario <i>Water Resources Act</i>	Provincial
	Ontario Drinking Water Standards	Provincial
	Provincial Water Quality Objectives	Provincial
Aquatic Biology	Canadian Water Quality Guidelines for the Protection of Aquatic Life	Federal
	Canadian <i>Fisheries Act</i>	Federal
Terrestrial Biology	Canadian <i>Migratory Birds Convention Act</i>	Federal
	Canadian <i>Wildlife Act</i>	Federal
	Canadian <i>Species at Risk Act</i>	Federal
	Committee on the Status of Endangered Wildlife in Canada	Federal
	Ecosites of Ontario Ecological Land Classification System	Provincial
	Ontario <i>Endangered Species Act</i>	Provincial
Ecological and Human Health Risk	Canadian Drinking Water Quality Guidelines	Federal
	Ontario Drinking Water Standards	Provincial
Socio-Economic	Statistics Canada Input-Output Industry Codes Ontario BS212220	Provincial
	Statistics Canada Input-Output Industry Codes Ontario BS212220	Provincial
Land Use	Ontario Crown Land Use Policy Atlas	Provincial

Discipline	Objective / Standard / Guideline	Provincial / Federal
	Ontario Land Use Compatibility Guidelines (D-series)	Provincial
	Forest Management Plans	Provincial
Archaeology	Ontario <i>Heritage Act</i>	Provincial
	Standards and Guidelines for Consultant Archaeologists	Provincial
Built Heritage	Ontario <i>Heritage Act</i>	Provincial
	Ontario Regulation 9/06	Provincial
	Ontario Heritage Bridge Guideline	Provincial
	Ontario Heritage Trust	Provincial
	Standards and Guidelines for the Conservation of Historic Places in Canada	Federal
	Standards and Guidelines for the Conservation of Provincial Heritage Properties	Provincial