

Impact Assessment Study – Mining Hazards

Terms of Reference

1. Description

The intent of an Impact Assessment Study – Mining Hazards is, generally, to protect the public and the environment from hazards associated with mineral or petroleum extraction and former mining sites.

2. Authority To Request

The policy basis for protecting mineral aggregate resource areas are:

- Section 10.1.10 of the Official Plan for Protection of Health and Safety
- Basis from the Provincial Policy Statement:
 - Development on, abutting or adjacent to lands affected by mine hazards; oil, gas and salt hazards; or former mineral mining operations, mineral aggregate operations or petroleum resource operations may be permitted only if rehabilitation or other measures to address and mitigate known or suspected hazards are under way or have been completed.
 - Sites with contaminants in land or water shall be assessed and remediated as necessary prior to any activity on the site associated with the proposed use such that there will be no adverse effects.

3. When Required

Development within 300 metres of a mine hazard, or abandoned pit or quarry.

4. Contents

The following outlines the minimum requirements for the study.

Objectives

- To identify or confirm if lands have been mined for minerals, petroleum or mineral aggregates and presence of mine hazards.
- Where a mine hazard, or abandoned pit or quarry exists:
 - a) Evaluate the potential risks to human health and property
 - b) Establish measures to address and mitigate known or suspected risks
 - a) Demonstrate that the site can be rehabilitated to support the proposed development



Background Study Area Context

- A description of the study area, current and historical land use, including history of mining and processing of minerals or petroleum.
- A description of the current Official Plan designation and Zoning as well as that of adjoining properties.
- The study area includes an area of influence of 300 metres from a mine hazard or abandoned pit or quarry.
- Based on input from the Province, the City may, at its discretion require assessment beyond 300 metres from a resource area (including along a haul route).
- Delineation of 75 metres from an abandoned petroleum resource operation, if applicable.

Issues to be explored and Analyzed Against Certain Criteria

- Confirmation of mineral / petroleum resources at a site specific and local scale (300 metres or more).
- Potential risks to human health and property
- Mitigation measures for known or suspected risks
- Demonstration of site rehabilitation to support the proposed development

Implementation Methodology to be Applied

- Demonstrate the absence of a mine hazard, or abandoned pit or quarry
- Mitigation measures, if applicable, must specify how they will be implemented and enforced by the applicant. Implementation and enforcement should consider available options under the Planning Act that are applicable to the proposal. Examples include, but are not limited to, establishing minimum setback requirements, and/or posting security deposits prior to the installation of any physical mitigation elements.
- Evaluation will be completed and documented based on requirements as set out in a pre-application consultation meeting between the applicant and city.
- CV required, in consultation with the applicable Provincial Ministry(ies), the City reserves the right to determine whom is a qualified person on the team if the above requirements are not met.

Reporting Requirements

- Pre-application consultation form;
- Report;
- Curriculum Vitae; and



- Field data sheets and Field data sheets and sampling site photographs.

5. Roles and Responsibilities / Qualifications

- A full Member of the Canadian Institute of Planners (MCIP) with specific experience in mineral aggregate planning and operations; and / or
- Professional Engineer or Certified Engineering Technologist with experience in mining operations.

