

## TC Environmental Review – Mitigation Monitoring Report Form

Responsible Authority: Transport Canada

Project Title: Thunder Bay Airport Landfill Debris Removal

PWGSC Project No.: R.072879.001

PWGSC File No.:

The purpose of this record is to monitor the implementation of mitigation measures identified in the Environmental Review Record. It is the responsibility of the Project Manager to ensure that this record is completed over the duration of the project. This Mitigation Monitoring Report form must be completed in full. Specify in the table below whether the mitigation measures set out in the environmental assessment have been applied. If a mitigation measure has not been applied, specify the reason(s) why this has not been done. **A copy of the completed Mitigation Monitoring Report form should be included in the project file and a copy must be sent to the attention of Scott Thompson (fax: 416-590-8284) PWGSC, Environmental Services, upon completion of the project. PWGSC will forward a copy of the completed Mitigation Monitoring Report Form to Transport Canada.**

| Environmental Mitigation Measure   | Implementation Schedule/Date | Person/Title/Firm Responsible | Compliance (Task Complete – Yes or No/Date)<br>If No, Provide Reason |
|--|------------------------------|-------------------------------|--|
| Idling of gas powered vehicles and equipment should be kept to a minimum to the extent possible, and operated and licensed in accordance with regulatory requirements as applicable. |                              |                               |  |
| If any soil, sediment or debris are observed to become airborne, particularly on windy days, cover or wet down materials to prevent from becoming airborne.                          |                              |                               |  |
| Vehicles and other fuel powered equipment must be refueled in safe manner and done so away from any environmentally sensitive areas or waterways in case there is a spill.           |                              |                               |  |

| Environmental Mitigation Measure  | Implementation Schedule/Date | Person/Title/Firm Responsible | Compliance (Task Complete – Yes or No/Date)<br>If No, Provide Reason |
|---|------------------------------|-------------------------------|--|
| In the event of an accidental spill or leak of chemicals on land or into water, the emergency response plan will be implemented, and/or the MOE Spills Action Centre notified immediately. The spill or leak must be stopped, contained, and cleaned up at the contractor's expense so as to restore the environment to pre-disturbed conditions. |                              |                               |  |
| A slope stability and erosion control plan should be implemented throughout the project to maintain slope stability during excavation activities and to prevent erosion of the sloped area once the project is complete. Inspect, repair, and maintain erosion control measures during construction.  |                              |                               |  |
| Remove or keep erosion controls as necessary after the project is complete, and grade and stabilize areas disturbed during removal with certified grass seed as per Project Specifications. On slopes greater than 3:1, cover graded surface with appropriate erosion control blanket (geotextile).   |                              |                               |  |
| Install silt fences along base of excavation and re-graded slope to prevent damage by erosional loss to existing monitoring wells located at the base of the slope.   |                              |                               |  |
| The Project Specifications outline the required standards and texture for the imported soil to be used for backfilling the excavation.  |                              |                               |  |
| All dumpsite debris including associated soils, as well as other project waste, will be disposed of off-site, in a legal manner according to applicable regulations or recycled if possible. It is possible that some non-contaminated waste, such as boulders, trees, and brush, might be used as  |                              |                               |  |

| Environmental Mitigation Measure  | Implementation Schedule/Date | Person/Title/Firm Responsible | Compliance (Task Complete – Yes or No/Date)<br>If No, Provide Reason |
|---|------------------------------|-------------------------------|--|
| backfill material but this is dependent upon further discussion and agreement by various parties.   |                              |                               |  |
| No burning of waste on the property.  |                              |                               |  |
| Transportation of all equipment, materials, and supplies will follow all regulatory requirements, including those of the Transportation of Dangerous Goods Act if applicable.   |                              |                               |  |
| If temporary storage for sorting the dumpsite debris is required, store all debris materials in a lined area, as directed by the Department Representative or the Thunder Bay International Airport Authority.  |                              |                               |  |
| If a hazardous or designated substance is discovered or suspected during excavation or at any other time, then stop work and immediately notify Departmental Representative and the Thunder Bay International Airport Authority.  |                              |                               |  |
| Protect existing trees, shrubs and plants, and root zones, near the work site that are not required to be cleared.  |                              |                               |  |
| For the protection of wildlife and for aviation safety, keep the newly installed fence gate closed at all times to prevent movement of wildlife (especially deer) from the forested portion of the site to the active portions of the airport.  |                              |                               |  |
| Common Nighthawk survey (Threatened under SARA) prior to project commencement would assist in determining if they are present or absent in or near the project site. If they are found to be present (observed or evident by bird call) or found to be nesting (active nests observed) then the project should avoid their mating and nesting period so that possible project noise, vibration, |                              |                               |  |

| Environmental Mitigation Measure   | Implementation Schedule/Date | Person/Title/Firm Responsible | Compliance (Task Complete – Yes or No/Date)<br>If No, Provide Reason |
|--|------------------------------|-------------------------------|--|
| dust, and the like does not disturb their mating or nesting patterns.  |                              |                               |  |
| Should any other SARA listed Species at Risk or its critical habitat be encountered, measures are to be implemented to avoid destruction, injury or interference with the species, its residence and/or its habitat (e.g. through siting, timing or design changes) as per the Prohibitions of SARA. If the foregoing cannot be avoided the contractor should cease work and notify the Departmental Representative, who will contact Environment Canada's Environmental Assessment Unit, Ontario Region P.O. Box 5050, 867 Lakeshore Road, Burlington, ON L7R 4A6, (905) 336-4953 for all non-aquatic species matters to discuss management options to minimize, reduce or control adverse effects or compensatory mitigation and environmental effects monitoring. For aquatic species the local DFO office should be contacted. |                              |                               |  |
| Prior to construction the contractor shall prepare an emergency spill response plan that covers a spill on land and in the waterway, and prepare a regional and local agency contact list (e.g. MOE Spills Action Centre; MNR). All such measures and procedures will conform to pertinent provincial requirements.  |                              |                               |  |
| The contractor must apply adequate safety barriers and signage for the safety of workers and the public, including the placement of no trespassing signs for the public.   |                              |                               |  |
| Health and safety measures must be followed according to the Occupational Health and Safety Act during construction activities.  |                              |                               |  |

| Environmental Mitigation Measure  | Implementation Schedule/Date | Person/Title/Firm Responsible | Compliance (Task Complete – Yes or No/Date)<br>If No, Provide Reason |
|---|------------------------------|-------------------------------|--|
| All workers as applicable must wear appropriate protective equipment (e.g. safety boots, hard hats, protective eye wear, as appropriate). |                              |                               |  |
| All physical works should be safeguarded from damage (i.e. stabilized, covered up, etc.), should inclement weather occur.                 |                              |                               |  |

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Completed By:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Firm: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_