



CANADIAN ENVIRONMENTAL ASSESSMENT ACT (CEAA 2012)

MITIGATION MEASURES AND ENVIRONMENTAL MONITORING

Series 3 Use of machinery on the worksite

Components affected and anticipated effects:

- Sound environment: Degradation of the sound environment around the project site during the construction period due to noisy worksite activities
- Air Quality: The use of equipment and machinery involves atmospheric emissions from the combustion of machinery fuel, and the raising of dust may affect the air quality
- Quality of soils, surface water and groundwater: The presence and use of machinery can cause oil or grease leaks that could result in contamination of the soil.
- Quality of life of residents: As a result of changes to the air quality and the sound environment as well as the potential for effects on health and safety; the raising of dust, atmospheric emissions and the noise caused by the work and the movement of machinery can affect the quality of life of nearby residents

PROJECT IDENTIFICATION	
Project title	New storage space
Project location	Canadian Space Agency, St-Hubert
Summary description	Installation of a new concrete slab

MITIGATION MEASURES TO BE IMPLEMENTED	ENVIRONMENTAL MONITORING			
	To be provided		Completed	COMMENTS (if not completed or N/A, please justify)
	Photos	Document	YES NO N/A	
MEASURES TO MINIMIZE THE EFFECTS ON AIR QUALITY AND THE SOUND ENVIRONMENT AS WELL AS ON THE QUALITY OF LIFE OF NEARBY RESIDENTS				
Observe normal working hours (7:00 am to 7:00 pm, Monday to Friday, avoiding public holidays), or according to the regulations in force. When required, obtain the necessary municipal authorizations				
Use equipment that is clean, in good operating condition, equipped with mufflers and conforming to regulations relating to emissions				
Avoid running engines unnecessarily				

Avoid unnecessary trips and extended waits				
Optimize travel to minimize the number of round trips				
Minimize the duration of operations requiring machinery				
Transport vehicles must comply with the Highway Safety Code and speed limits				
If necessary, clean traffic areas to minimize the raising of dust				
Use tarpaulins to cover loads likely to allow the escape of particles into the air. Firmly secure the tarpaulins				
MEASURES TO PREVENT EFFECTS ON THE QUALITY OF SOILS, GROUNDWATER AND SURFACE WATER				
Take steps to reduce the risk of accidental leaks and spills on the sites in question:				
- Delimit traffic areas for machinery and prohibit any traffic outside these areas				
- Use equipment that is clean and in good working condition to minimize leaks as well as the potential risks of breakage and spills				
- Do not perform equipment maintenance or refuelling on site				
- If machinery is stored for the night or for short periods of time, place it on non-porous surfaces more than 30 m from the natural environment where it will be possible to recover an accidental spill				
- If they are required on site, handle petroleum products with care, store them carefully at a distance of at least 30 m from the natural environment and dispose of them in accordance with regulations in order to prevent accidental spills				
- For the duration of the work with machinery, provide for the on-site presence of response equipment to deal with an accidental spill (absorbents, leakproof containers, etc.). Worksite employees must have the necessary training to intervene in case of a spill				
- Quickly recover any quantity spilled, even a small one, and manage it in accordance with the regulations in force		X		
- Inform workers of the precautions to be taken				
- Manage waste oil so as to comply with the regulations in force				
- Ensure that the contractor has a contingency plan to deal with any incident or spill that could occur on the worksite		X		
- Identify the resources and the emergency numbers of the entities to be informed in the event of a significant accidental spill		X		
IN THE EVENT OF AN ACCIDENTAL SPILL OF PETROLEUM PRODUCTS				
- Apply the emergency measures, contain the spill and remedy the situation that caused it (breakage, accidental operation, etc.)				
- Characterize the soil, the fill materials, or the water contaminated by an accidental spill, and dispose of it in accordance with regulations		X		
- Deposit contaminated soil directly into a truck or else store it in a pile on a waterproof membrane and cover it so as to prevent natural leaching. Characterize it	X	X		

before its disposal off site in an authorized location				
- The disposal of contaminated soil off site must be done at a location authorized to receive it		X		

Complete this environmental monitoring form and submit it to the CSA official on completion of the work