



Truck Transport
Company
Elmira, Ontario

*“A noise
assessment
ensured the
noise emitted
from the facility
met provincial
guidelines.”*

Purpose

The client owns a transport trucking company that hauls hazardous waste and materials. Following the transportation of the hazardous material, the interior of the transport truck vessels are washed at the facility. Wash water is sent to a water evaporator and the remaining sludge is picked up by a waste disposal company. The facility required an Environmental Compliance Approval (ECA) for air and noise to confirm that the potential source of pollution (i.e. air and noise) met the provincial guidelines.

Findings

Following a site visit and a records review, water samples were analyzed to determine the concentrations of different potential contaminants in the wash water. Information was also obtained from the evaporator manufacturer, including emission rates and noise levels of the equipment. A review of the analytical results determined that the majority of the contaminants met provincial guidelines based on preliminary screening. Following preliminary screening, petroleum hydrocarbons were identified as a contaminant requiring further investigation. Computer modeling was completed to determine the rate of air emissions from the evaporator and the concentration of petroleum hydrocarbons at surrounding receptors was calculated. This ensured that the air emissions from the facility met provincial guidelines. A noise assessment was completed, which determined the noise emitted from the facility (including the use of trucks) met provincial guidelines for surrounding residential properties. An ECA application for air and noise was submitted to and approved by the Ministry of the Environment and Climate Change.

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