

## 8.0 Monitoring Program

Monitoring helps to confirm that predictions of effects are accurate and mitigation measures are effective. Monitoring also confirms that the commitments, conditions of approval, where applicable, and compliance with other environmental legislation (e.g. the *EPA*) are met. An Environment Specialist will be assigned to the project for the duration of construction to monitor construction activities and provide guidance on needed field changes.

As previously noted in **Chapter 6.0**, a project-specific Environmental Specification will be prepared to guide construction activities. The specification will be based on the commitments, requirements of all relevant environmental legislation, terms and conditions of approval (if any) and good environmental construction practices, e.g. as set out in Hydro One's *Environmental Guidelines for Construction and Maintenance of Transmission Facilities* (Hydro One 2009).

Some issues monitored during construction will include:

- Noise and dust levels;
- Water drainage, runoff, silt and spills;
- Waste materials management;
- Protection of cultural and heritage features;
- Effects on agricultural resources, e.g. minimizing soil compaction; and
- Storm water management measures at the construction site.

A post-construction monitoring program will include inspection of areas that have been restored, including any newly planted trees and any other vegetation, ditch crossings and potential erosion areas identified during construction (as required). The effects of the project, the effectiveness of the mitigation approaches, and the need for remedial action will be assessed during this program.