

Project and Work Plan Overview (Final)

This Aviation work plan has been prepared to support the environmental assessment (EA) for the Ridge Landfill expansion and is based on the commitments made in the final amended Terms of Reference (ToR) for the EA that was approved by the Ministry of the Environment and Climate Change (MOECC) in May of 2018.

Waste Connections of Canada (Waste Connections) is proposing an expansion of the Ridge Landfill in order to continue to provide long-term residual disposal capacity for the company's large IC&I customer base and as a regional and inter-regional waste management facility to serve the projected increase in population and economic growth in southern and central Ontario.

The Ridge Landfill has been in operation since 1966 and was previously expanded in 1999. Waste Connections owns 340 hectares (ha) of land at the Ridge Landfill. The existing Landfill Site Area, which is permitted by an ECA from the MOECC for waste management and environmental work purposes, is 262 ha. The area within which waste disposal is permitted, called the Waste Fill Area, is 131 ha or half of the Landfill Site Area. As of December 2017, it is estimated that the existing Waste Fill Area at the Ridge Landfill site will provide waste disposal capacity until approximately 2021 at the current fill rate.

The current approved capacity for the Ridge Landfill is 21 million cubic metres (m³). The site is approved to accept a maximum of 1,300,000 tonnes of waste per year (the MOECC approved annual waste disposal rate). The EA does not propose to increase the maximum annual fill rate (this would remain as-is); however, Waste Connections is seeking the EA to increase the life of the facility for a 20 year planning period, from 2022-2041.

The waste being landfilled is approximately 98% IC&I waste and 2% residential waste. As part of the EA approval, Waste Connections would agree to reduce their IC&I service area from all of Ontario to just southern and central Ontario, and their residential service area from Chatham-Kent and the neighbouring counties of Essex, Lambton, Middlesex and Elgin, to only the Municipality of Chatham-Kent.

This Aviation work plan outlines the tasks to support the evaluation of alternative methods, and to undertake an impact assessment once the preferred alternative method is determined. The following paragraphs provide a brief summary of the scope of the Aviation work, including protocols and/or standards to be adhered to while work is undertaken.

The Aviation scope of work will seek to identify potential aviation impacts caused by bird hazards resulting from an expanded landfill. These two technical disciplines will work closely together. The objectives of the aviation assessment are as follows:

- Establish the baseline conditions at Chatham-Kent Municipal Airport, including a review of airport diagrams, operating procedures and current bird hazard conditions.;
- Confirm requirements with Transport Canada and NAV Canada with respect to the Airport Zoning Regulations, including any anticipated changes, aviation safety and anticipated changes to operating procedures;

- Obtain updates on bird populations and flight patterns, current control procedures and planned future mitigation (this will require input from the Bird Hazard technical discipline); and
- Assess the potential impacts of the preferred site development alternative method and make recommendations for mitigation and monitoring, which will include continuation of the current Ridge Landfill Bird Management Plan.