



Waste Disposal

There are many different types of waste disposal sites necessary to handle the waste produced by residents in Ontario. Waste disposal activities are considered to be potential drinking water threats because of the possibility of leaching a variety of contaminants into the ground and surface water sources.

Waste Disposal as a Drinking Water Threat

Waste disposal activities that are considered drinking water threats are listed in the *Clean Water Act, 2006*.

Significant drinking water threats are identified as:

- The disposal of hauled sewage to land by any method.
- Land application of processed organic waste.
- Land disposal of petroleum refining, industrial liquid, hazardous, and municipal waste.
- Storage of PCB waste, hauled sewage, tailings from mining, and processed organic waste.

Each threat identified has specific criteria it must meet to be considered a drinking water threat.



Where is Waste Disposal a Drinking Water Threat?

Waste disposal is considered a significant drinking water threat when it occurs in the most vulnerable areas around municipal drinking water sources called Wellhead Protection Areas (WHPAs) and Intake Protection Zones (IPZs). There are significant drinking water threats for waste disposal sites in:

- WHPA A, B and C in Deloro, Madoc, Peats Point, Point Anne, and Tweed.
- WHPA E in Madoc and Peats Point.
- IPZ 1 and 2 in Ameliasburgh, Belleville, Deseronto, Napanee, Picton, and Point Anne.
- IPZ 3a in Picton.
- WHPA-ICA in Tweed.
- The Hamlet of Point Anne has both WHPAs and IPZs because of the infrastructure of the system. Due to the uniqueness of this system, significant threats can occur in both WHPAs and IPZs.

Waste Disposal Sites in Quinte

Few waste disposal sites or threat activities are associated with waste disposal in the Quinte area. Additionally, there are historic land uses in Belleville and Picton that have identified two conditions for management of closed landfill sites. Zwick's Park and Delhi Park were used as landfill sites in the past. Contamination has been identified at both sites which could be a concern to the drinking water intakes in Belleville and Picton.



Restricted Land Use

Restricted land use allows municipalities to identify areas where the waste disposal activities should be prohibited (WHPAs A-E with a score of 8 or higher, and IPZ 1, 2, and 3 with a score of 8 or higher) or are exempted from these policies. This allows municipalities to create their own process to ensure that future development complies with the Quinte Source Protection Plan.



The Ministry of Environment, Conservation and Parks Involvement

The Ministry of Environment, Conservation and Parks (MECP) shall identify any monitoring and remedial action measures necessary prior to issuing MECP approvals related to waste disposal sites to ensure that certain activities are not a threat to drinking water.



Prohibition

Certain waste disposal facilities are prohibited in the future in WHPAs A, B, C and E with a score of 8 or higher (Deloro, Madoc, Peats Point, Point Anne, and Tweed), and IPZ 1, 2 and 3 with a vulnerability score of 8 or higher (Ameliasburgh, Belleville, Deseronto, and Napanee, Picton, and Point Anne), and WHPA-Issue Contributing Area in Tweed.