POLLUTION PREVENTION REVIEWS FOR SMALL & MEDIUM-SIZED BUSINESSES

Who is Eligible for a Political Prevention Review?



Pollution Prevention Reviews are available to small and medium-sized business that are located within or extend into the 100-metre radius of a municipal wellhead, the 200-metre radius of a municipal surface water intake, the 2-year time of travel around a municipal well, or the IPZ-1 (intake protection zone one) around a municipal surface water intake as accepted through a municipal council resolution. Businesses with 500 employees or less are considered small or medium-sized and are eligible for pollution prevention reviews through the Ontario Drinking Water Stewardship Program.

For More Information on Pollution Prevention Reviews

Please contact your local Source Protection Region or Area:



120 Bayview Parkway, Box 11, Newmarket, ON L3Y 4W3 Tel.: 905.895.0716 Fax: 905.895.0751 info@conservationontario.ca





www.ontario.ca/cleanwater

This project has received funding support from the Ontario Ministry of the Environment. Such support does not indicate endorsement by the Ministry of the contents of the material.



PREVENTION REVI

Pollution prevention reviews look for ways that businesses can avoid or minimize pollution and waste and reduce potential threats to sources of drinking water and human health. They do this by looking at and analyzing the entire business, from production, to raw materials, to inventory control. Pollution prevention reviews are intended to address existing and potential impacts of business operations within vulnerable areas.



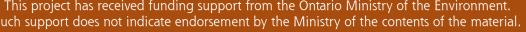
Why are Pollution Reviews Important

Pollution prevention reviews aim to proactively protect human health, sources of drinking water and the environment. They shift the emphasis of a business away from having to react during an environmental emergency to anticipating and preventing an emergency in the first place.

What are the Benefits of a Review

In addition to protecting human health, sources of drinking water and the environment, pollution prevention reviews also help businesses:

- Save money by reducing waste disposal, energy and raw materials costs.
 - Improve worker safety.
 - Improve operational and maintenance efficiencies.
 - Reduce business risks, fines, liability, remediation and insurance costs.
 - Reduce the expense for regulatory compliance.
 - Improve employee morale.
 - Improve public image and gain access to global and green markets.



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How do Pollution Reviews Work?

Pollution prevention reviews are conducted by a pre-qualified consultant and paid for by local, participating Conservation Authorities who have received funding from the Ministry of the Environment's Ontario Drinking Water Stewardship Program.

> On-site pollution prevention reviews typically last 2 to 4 hours and are followed by a customized report to the business within 2 to 3 weeks.

> > A trained consultant will visit and work with participating businesses to:



- Collect information on unit processes, products, raw materials, water usage, energy usage and waste generation.
- Highlight process efficiencies and inefficiencies.
- Identify areas of wastage and loss.
- Identify the constituents of pollutants.
- Help set targets for pollution prevention and cost effective pollution prevention strategies.

The consultant will undertake a detailed analysis of several key areas within the business with the goal of minimizing or eliminating the threat of contamination to sources of drinking water, including:

Product Design

Propose designs that reduce environmental impact or product reformulations that reduce the use of toxic materials.

Propose ways to increase product life.

Process Changes

Propose changes to the processes with the aim to find efficiencies.

i) Input Material Changes

- Propose ways to purify materials.
- Propose ways to substitute elements with less toxic materials.



ii) Technological Changes

- Propose changes to layout.
- Propose ways to increase automation.
- Propose ways to improve efficiencies to the process.
- Propose ways to improve equipment performance.
- Propose new technologies.

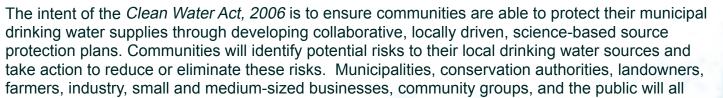
iii) Improved Operating Practices

- Propose ways to improve operations and maintenance procedures.
- Propose ways to improve management practices.
- Propose ways to improve stream segregation.
- Propose ways to improve material handling.
- Propose ways to improve production scheduling.
- Propose ways to improve inventory control.
- Propose ways to improve employee training.
- Propose ways to improve waste segregation.

The final report will be kept confidential between the participating business and the consultant and will not be given to any other organization. The recommendations provided in the report are for business owners to consider. Some businesses may consider a phased plan to address all recommendations starting with those that are easy and cost-effective and prioritizing others for the future. All recommendations and pollution prevention strategies are voluntary, but businesses can start by taking early action to improve their business operations, before regulatory policies and plans are in place.

work together to meet common goals.

Why is the Province Interested in Funding Pollution Prevention Reviews



One step that small and medium-sized businesses can take now is to participate in a cost-free pollution prevention review, especially if you are located in a vulnerable area. This will help businesses address potential threats to sources of drinking water, by growing knowledge and enhancing local business capacity to address significant threats of business operations.

For more information about this program, or to find out if your business qualifies, contact your local Source Protection Region or Area. You can find out which Source Protection Region or Area you live in at www.conservationontario.ca.



