



March, 2014

## CONSULTATION PACKAGE:

# Potential Changes to the Cataraqui Source Protection Plan: Policies for Short-term Storage of Liquid Waste

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A drinking water source protection plan is being developed by the Cataraqui Source Protection Committee for the area between Brockville and Napanee. A proposed version from August 2012 has been reviewed by the Ministry of the Environment. Some changes are now being considered based on Ministry comments, some of which could affect activities on your property.

From March 10 to 25, 2014 we are consulting with municipalities and people directly affected by the new policies proposed for the Cataraqui Source Protection Plan. The proposed new policies will affect landowners and tenants engaged in the activity of storing small quantities of liquid waste, including waste oil, at their properties within specific vulnerable areas around a municipal drinking water source.

Two new policies would apply to each of the groundwater wellhead protection areas (Cana, Lansdowne and Miller Manor WHPA-A and WHPA-B) and the surface water intake

protection zones (Brockville, Gananoque (James W. King) and Sydenham IPZ-1) where these types of activities rank as significant drinking water risks as per Provincial standards. The locations of these areas are shown on the attached map.

Please send comments on or before **Tuesday March 25, 2014** to:

Holly Evans, Environmental Technician  
Cataraqi Source Protection Authority (c/o CRCA)  
1641 Perth Road  
P.O. Box 160 Glenburnie ON K0H 1S0  
(613) 546-4228 ext. 233  
hevans@crca.ca

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## 1. NOTICE

### **Comment on Potential Changes to the proposed Cataraqui Source Protection Plan Prepared under the *Clean Water Act, 2006***

We invite you to review and comment on two new proposed policies to the proposed Cataraqui Source Protection Plan. The Source Protection Plan sets out policies to address identified risks to local drinking water sources from the short-term storage of liquid waste where it is generated.

#### **See the Two New Proposed Policies:**

- **Paper Copy** - review the paper copy of the two new policies and accompanying explanation in Section 6, 7 and 8 of this information package
- **Also available online** - view or download at [www.cleanwatercataraqui.ca](http://www.cleanwatercataraqui.ca)

**More information:** Project staff will meet with you at your convenience to answer questions or to discuss the proposed new policies. See the contact information below.

**Your written comments are invited on the  
proposed new policies by Tuesday March 25, 2014 to:**

**Cataraqui Source Protection Authority (c/o CRCA)  
P.O. Box 160, 1641 Perth Road, Glenburnie ON K0H 1S0  
hevans@crca.ca  
Fax: 613-547-6474**

#### **For more information contact:**

Holly Evans, Environmental Technician, Cataraqui Source Protection Authority,  
c/o Cataraqui Conservation Authority, PO. Box 160, 1641 Perth Road Glenburnie, ON K0H 1S0  
613-546-4228 ext. 233 or hevans@crca.ca

## 2. Background: Source Protection Planning

Work to protect municipal drinking water sources in Ontario is carried out under the *Clean Water Act, 2006* and is funded and directed by the Ontario Ministry of the Environment. In the Cataraqui Source Protection Area a source protection plan was developed through a collaborative process by the Cataraqui Source Protection Committee. The Committee had scientific, technical, administrative and communications support from the Cataraqui Region Conservation Authority. Similar work has been done in other areas across the Province.

In preparing the plan, the Cataraqui Source Protection Committee:

- worked with others to gather technical knowledge,
- endeavored to arrive at well-informed, consensus-based decisions that were made in an open and consultative manner,
- aimed to propose policies in the Cataraqui Source Protection Plan that are appropriate, effective, and economical for local communities, and
- made use of the available science to assess drinking water risks and issues and where there was uncertainty was mindful of the precautionary approach.

Certain activities on the land or in the water near a municipal water source have the potential to present a significant risk to that water source. In accordance with the *Clean Water Act*, the Source Protection Plan must ensure that existing activities cease to be significant drinking water risks and that these activities do not become significant risks in the future. Policies in the Plan may specify actions that property owners or tenants must take to manage, or eliminate, activities that affect the quality of municipal drinking water supplies.

The proposed Cataraqui Source Protection Plan was submitted to the Ministry of the Environment in August, 2012 may be amended through the addition of two new proposed policies to help manage short-term storage of liquid waste, as described below.

## 3. How may activities on your property be affected by the proposed two new policies?

We understand that the storage of waste, including waste oil, occurs on your property at the property address identified in the cover letter. This property is located within the identified vulnerable area of a municipal drinking water source (see the map that was attached to the covering letter).

If you do not store liquid waste, or there is no potential for the storage of liquid waste, including waste oil, to be engaged in on your property, please contact us so we may correct our information.

The identification of a significant risk activity(s) does not mean that the water source has already been impacted, but that the potential exists to contaminate the water source. Specifically, the proposed new policies mean that a risk management plan will be required to address activities that

could contribute contamination to surface water and/or groundwater supplies. This may include measures such as ensuring that liquid waste including waste oil is stored safely.

**Please be assured that, as per the Municipal Freedom of Information and Protection of Privacy Act, there is no personal identifying information in the proposed Source Protection Plan.**

#### **4. What is a risk management plan?**

A risk management plan is a site-specific document negotiated after the approval of the Source Protection Plan. It is negotiated by the person engaged in the activity and an accredited risk management official appointed by a municipality. The intent is that the risk management plan be voluntarily negotiated wherever possible. This means there is opportunity for discussion, flexibility and agreement as to how a significant drinking water risk will be regulated on a property in order to reduce the potential impact on drinking water sources. The risk management plan may include any risk management measures (i.e. practices being used that reduce the chance of a leak or spill) already in place.

#### **5. Why were two new policies required for the Source Protection Plan?**

As part of their recent comments on the proposed Source Protection Plan, the Ministry of the Environment identified that the risk posed by small quantities of liquid waste (e.g. waste oil from an auto repair shop) is not presently adequately regulated. As a result, the Source Protection Committee reviewed the proposed Plan and determined, in light of this information, that existing policies were not sufficient to address the risk posed by liquid waste which may be stored on sites in the applicable vulnerable areas. The Committee therefore developed new additional policies (two per applicable vulnerable area) to address this type of risk.

#### **6. What are the two new policies?**

The proposed two new policies to the proposed Source Protection Plan are waste related policies:

- Policy Type 1: Risk Management Plan for Waste Disposal Sites Not Regulated by Ontario Regulation 347/09 (General – Waste Management), and
- Policy Type 2: Restricted Land Use Risk Management Plans for Waste Disposal Sites Not Regulated by Ontario Regulation 347/09 (General – Waste Management)

**The wording of these policies is complicated but this is necessary to properly reference the language used in waste management legislation and to meet the provincial standards**

These policies do not apply to small quantities of domestic waste in private residences.

The first policy (New Policy Type 1) calls for the use of risk management plans to regulate existing and future storage of liquid waste materials on sites in the applicable vulnerable areas, (such as used oil from vehicular oil changes) which is not presently regulated. The second policy creates a flagging mechanism for municipalities to ensure that the first policy is implemented as required in the applicable areas.

## **7. Policy Type 1- Risk Management Plan for Waste Disposal Sites Not Regulated by Ontario regulation 347/09**

### **New Policy Type 1-CW (for groundwater wellhead protection areas)**

- a. The storage of hazardous waste at disposal sites and the storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste in WHPA-A and WHPA-B where the vulnerability score is 10, where they are significant drinking water threats are designated for the purpose of section 58 of the Clean Water Act. Therefore a risk management plan is required for these activities where they relate to future or existing uses.
- b. The risk management plan should consider, at a minimum, the suitability of the storage container(s), the repair and/or replacement of defective or unsuitable storage equipment, staff training and collection of waste materials by a licensed and qualified person, as per Ministry of the Environment requirements.
- c. The risk management plan shall be established within two years of the Source Protection Plan taking effect.

### **New Policy Type 1-CW (for surface water intake protection zones)**

- a. The storage of hazardous waste at disposal sites in IPZ-1 where the vulnerability score is 9, where they are significant drinking water threats, is designated for the purpose of section 58 of the Clean Water Act. Therefore a risk management plan is required for these activities where they relate to future or existing uses.
- b. The risk management plan should consider, at a minimum, the suitability of the storage container(s), the repair and/or replacement of defective or unsuitable storage equipment, staff training and collection of waste materials by a licensed and qualified hazardous waste collector, as per Ministry of the Environment requirements.
- c. The risk management plan shall be established within two years of the Source Protection Plan taking effect.

## 8. Policy Type 2 - Restricted Land Use Risk Management Plans for Waste Disposal Sites Not Regulated by Ontario regulation 347/09

To assist the municipality with identifying areas where waste disposal sites require risk management plans (New Policy Type 1), all land uses in the applicable areas are designated for the purpose of Section 59 (restricted land use) of the *Clean Water Act, 2006*. This means that when people seek necessary planning approvals municipalities will flag particular applications for further consideration if there is a possibility that a risk management plan may be required.

The specific waste storage activities will be added to the existing restricted land use policies as follows:

For groundwater wellhead protection areas:

- i. The storage of hazardous waste at disposal sites
- ii. the storage of wastes described in clauses (p), (q), (r), (s), (t) or (u) of the definition of hazardous waste

For surface water intake protection zones:

- i. The storage of hazardous waste at disposal sites

## 9. Why protect our water sources?

**Protecting our public water supplies protects public health.**

It also:

- avoids the cost and need to clean up contaminated water
- reduces the cost of water treatment
- eliminates the need to search for new drinking water sources when existing ones become contaminated or depleted
- ensures a long-term supply of clean water
- ensures an adequate supply for economic growth

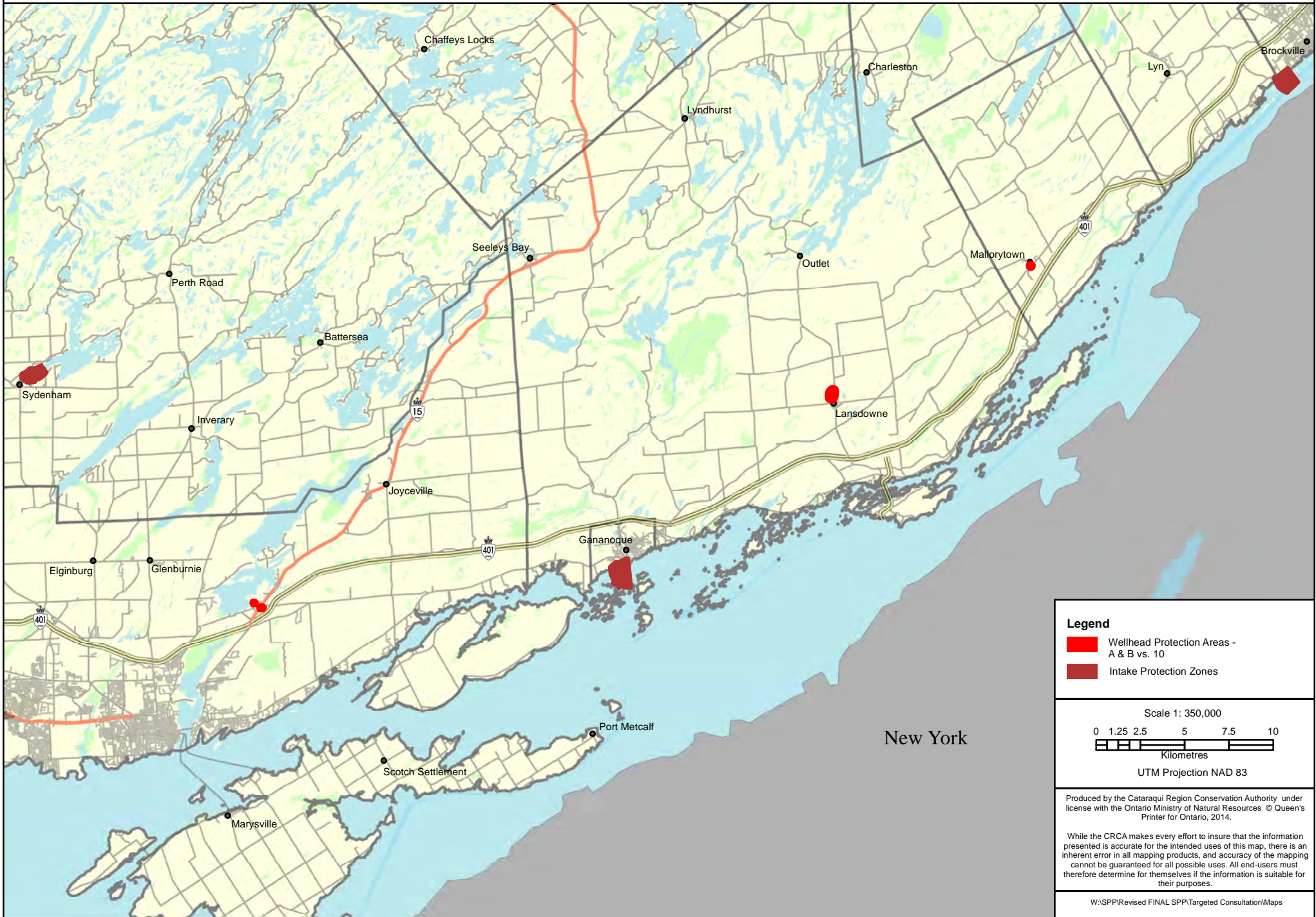
## 10. For More Information:

- [www.cleanwatercataraqui.ca](http://www.cleanwatercataraqui.ca)
- Holly Evans, Environmental Technician: 613-546-4228 ext. 233 or [hevans@crca.ca](mailto:hevans@crca.ca)
- <http://www.ene.gov.on.ca/environment/en/subject/protection/index.htm>

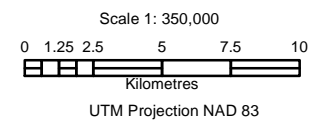




# Areas where Policy Applies Cataraqui Region Conservation Authority



- Legend**
- Wellhead Protection Areas - A & B vs. 10
  - Intake Protection Zones



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While the CRCA makes every effort to insure that the information presented is accurate for the intended uses of this map, there is an inherent error in all mapping products, and accuracy of the mapping cannot be guaranteed for all possible uses. All end-users must therefore determine for themselves if the information is suitable for their purposes.