



### Halifax Plant

Steps are being taken to minimize the odours in the downtown as a result of the plant shutdown. On Friday, July 10, two ozone generators were installed in a small shed adjacent to a catchbasin on the west side of Upper Water Street just north of Cogswell Street.



### This is how they work:

- Ozone is fed into the catchbasin via two flexible hoses through a pipe installed under the sidewalk and into the back of the catchbasin
- Ozone oxidizes the odour-producing compounds including hydrogen sulphide

At times, there may be insufficient ozone present to oxidize all of the odour-producing compounds. This is because their presence and concentration vary widely and are affected by numerous environmental conditions such as tide, weather conditions, wind speed and direction and temperature, to name a few. The units continue to work as they were designed to work and staff are continuously exploring ways to improve the performance of this system.

Plans are also in place to install activated carbon air filters in one or two catchbasins in the same area on a trial basis. The filters have been ordered and will be installed once received from the supplier.

Crews continue to work on a plan that would divert dry-weather flows to the Halifax plant. These flows will be screened and discharged through the existing Halifax WWTF outfall pipe, which extends approximately one kilometre into the harbour and provides 50-1 dilution. This measure is expected to reduce odour issues, screen floatables, and reduce the impact on the wastewater collection system resulting from stagnant flows. The present schedule call for flows from the collection system to be diverted to the plant in early September.

In the past couple of weeks, Mayor Peter Kelly, members of regional council and project staff have toured the Halifax Wastewater Treatment Facility and witnessed the flood damage to the plant that resulted in its malfunction.

### Dartmouth and Herring Cove Plants

The commissioning of the Dartmouth plant is ongoing and continues to treat all sewage from the Dartmouth area. The design of the exterior work to resolve the foam and odour issue is now completed. The connection to the interior of the building is underway. The work is forecast to be completed in approximately two months. The equipment used to feed ferric chloride to outgoing flows has been installed and will start to feed soon to control the emission of hydrogen sulphide.

The dry commissioning, which is the running/testing of the equipment without actually using liquid/sewage, of the Herring Cove Plant is close to completion. The flow of sewage to the plant for treatment will start after the plant has been running for a minimum of three weeks using clean water and after the SCADA Pack Circuit – used for automatic emergencies shut down of pumping station - has been commissioned.

### Halifax Water and HRM

Halifax Water and HRM continue to work diligently to restore the Halifax plant to full operation and to ensure all three of the Harbour Solutions Project wastewater treatment facilities are safeguarded from any similar type of occurrence.

It remains the intention of Halifax Water and HRM to see the Halifax plant back in operation in the spring of 2010, that any problems that led to the sequence of events that caused the flooding have been addressed, and that the water quality within Halifax Harbour is once again restored to levels enjoyed last summer by residents.

For up-to-date information please visit [www.halifax.ca](http://www.halifax.ca) and click on the "Harbour Solutions Halifax Treatment Plant News" front page reference. This section is dedicated to the Harbour Solutions Project generally and the Halifax WWTF specifically.