

Halifax Wastewater Treatment Facility

The first phase of the two-phase process to re-commission the Halifax wastewater treatment facility (WWTF) by Halifax Water was completed last September and continues to operate according to plan. This plan has flows of 7,000 cubic metres/hour being diverted through the Halifax WWTF, floatables screened out by the coarse and fine screening system, then discharged via the plant's existing outfall pipe which extends approximately one kilometre into Halifax Harbour.

The second phase involves the final recovery of all processes and systems in the WWTF with the expectation that the plant will be fully functional by late spring of this year. All damaged equipment is being repaired or replaced with the vast majority of the estimated \$11 million cost for the recovery effort being provided by the project's Builder's Risk Insurance policy that was in place at the time of the flooding. Some of the recent recovery milestones include:

- The five new raw water pumps ordered from Germany have been installed and are operational
- The grit removal system has been commissioned and is back on line.
- The Polymer feed pumps, and transfer pumps have been installed
- Pre commissioning of some equipment has commenced
- The Motor control Centre (MCC) that was damaged has been replaced with a new MCC
- All equipment that is to be replaced, including electrical components, have arrived



Crews working on new Motor Control Centre in basement of Halifax WWTF

Workers installing new transfer pumps in Halifax WWTF basement area



Crews working in Polymer feed area of Halifax WWTF

Dartmouth Wastewater Treatment Facility

The Dartmouth WWTF continues to treat wastewater flows and Substantial Completion has been granted. HRM will now assume ownership of the facility with a transfer of ownership to Halifax Water in the very near future.



Mike Deagle, Process Technician, checking odour control system instrumentation

Neil Grady, Process Technician, testing water samples in the laboratory

Herring Cove Wastewater Treatment Facility

The Herring Cove WWTF is now operating in the commissioning phase with the introduction of wastewater flows on December 14th, 2009. The 14 Day Performance Test got underway in April. The 14 Day Performance Test is one of the criteria that must be successfully completed prior to the granting of Substantial Completion. Substantial Completion sees HRM assume ownership of the facility and Halifax Water take over operation.



Densadeg wastewater treatment area



Katie MacDougall, Process Technician, performing system maintenance

Overall, the \$333M Harbour Solutions Project remains within budget. HRM and Halifax Water continue to work closely with its prime contractors and insurers to complete all three wastewater facilities in accordance with contract specifications as soon as possible.

It remains the intention of Halifax Water and HRM to see the Halifax WWTF back in full operation later this spring, that any problems that led to the sequence of events that caused the flooding are addressed, and that the water quality of Halifax Harbour is once again restored to levels enjoyed by residents in the summer of 2008.

For more information...

In-depth information about the Halifax WWTF along with other aspects of the Harbour Solutions Project are posted on the HRM website at <http://halifax.ca/HWWTF/index.html> and the Halifax Water website at halifaxwater.ca where newsletters, diagrams, photos, background materials, and answers to frequently asked questions can be found.