

2010



**YDSS
ANNUAL
REPORT**

ON COMPLIANCE WITH
THE MINISTER'S CONDITIONS


York Region

Executive Summary

With the publication of this 2010 York Durham Sewage System (YDSS) Annual Report, The Regional Municipality of York has fulfilled all conditions stipulated in the Minister of the Environment's letter dated October 1, 2004. This report summarizes key YDSS infrastructure projects outlined in the Minister's letter and notes when requirements of each condition was met.

This year's annual report is being printed in very limited quantities and is available for viewing along with previous reports at www.york.ca

The following projects have all met the Minister's conditions:

- Duffin Creek Water Pollution Control Plant Expansion
- YDSS Interceptor Trunk Sewer
- Holland Landing/Queensville/Sharon Sewer Servicing
- West Rainbow Creek Trunk Sewer
- Southeast Collector Trunk Sewer
- 16th Avenue Trunk Sewer, Phase II
- Upper York Sewage Solutions (formerly Upper Leslie Trunk Sewer)
- Bathurst Collector and Langstaff Trunk Sewer

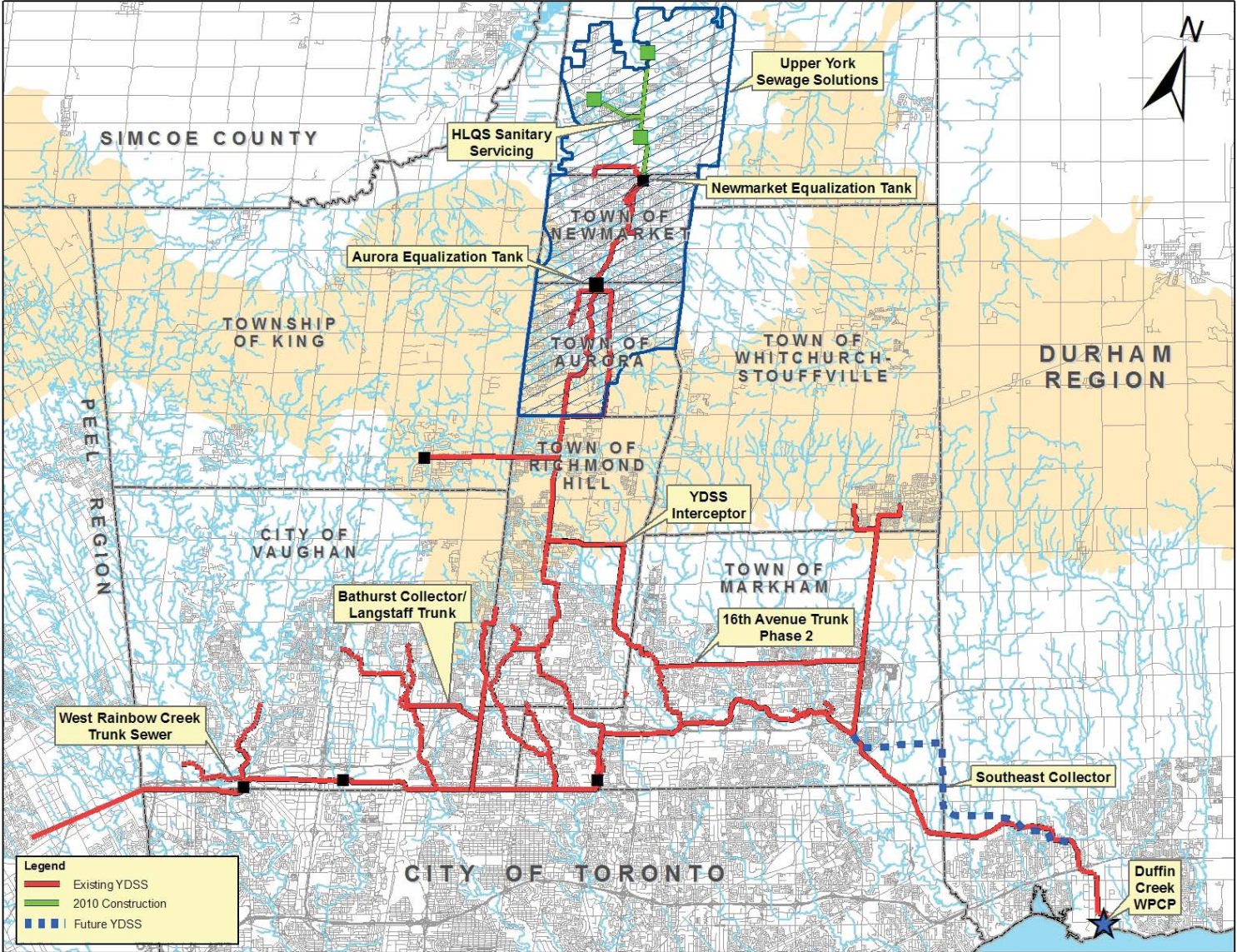
The Concord Diversion Sub-Trunk Sewer is no longer required as it was originally intended to temporarily divert flows to minimize system bottlenecks. Completion of the Bathurst Collector and Langstaff Trunk Sewer has eliminated these bottlenecks.

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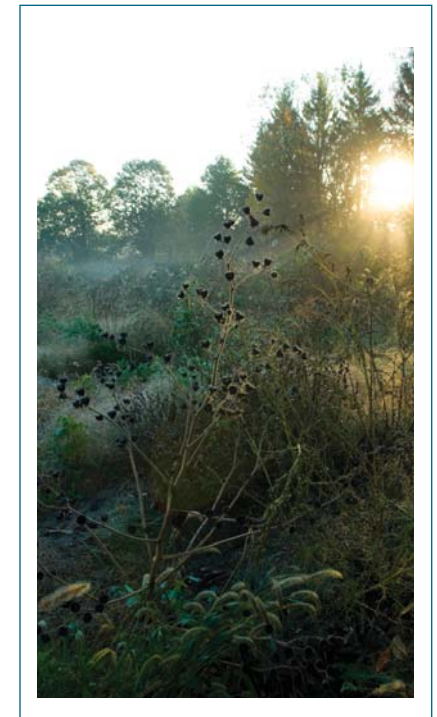
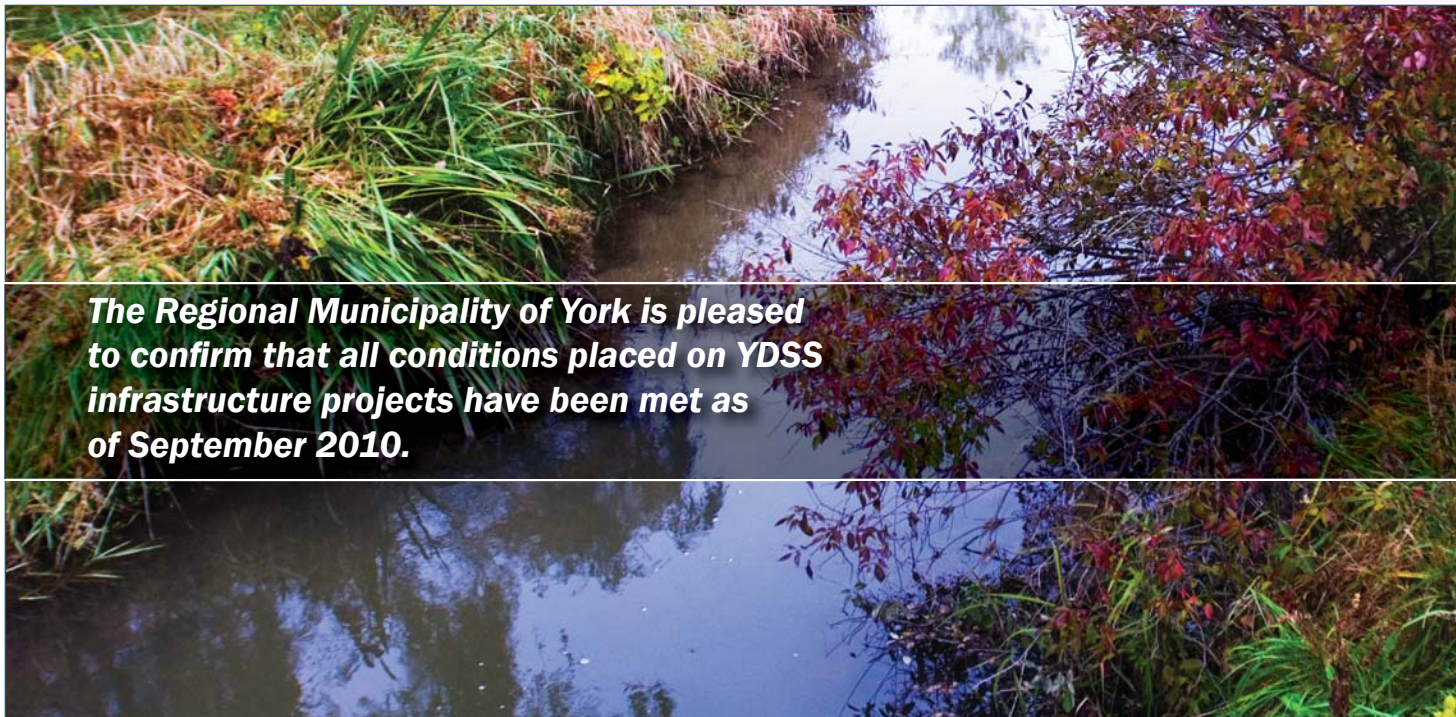


York Durham Sewage System



Minister's Conditions Addressed in 2010

Condition	Date of Compliance
<p>16th Avenue Trunk Sewer Phase 2: The Regional Municipality of York shall prepare, to the satisfaction of the Director, Central Regional Office, Ministry of the Environment and aquatic habitat improvement plan for a selected reach of each stream into which water is discharged for the proposed project, which will result in a net improvement to the environment. The approved plan shall be implemented prior to completion of the proposed project.</p>	<p>September 2010</p>
<p>Upper York Sewage Solutions (formerly Upper Leslie Trunk Sewer): The Terms of Reference shall be prepared in accordance with subsection 6(2)(a) of the Environmental Assessment Act.</p>	<p>March 11, 2010</p>



Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall develop monitoring and mitigation measures for the dewatering activities associated with the proposed project, including measures that address potential impacts to well users and the natural environment. These monitoring and mitigation measures shall assess the impacts of this project on long-term sustainability of groundwater and surface-water resources in the watershed and mitigate these impacts</p>	<p>Condition not applicable - dewatering not required</p>
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall hold a public information meeting to present these mitigation and monitoring measures within two months of receiving notice that the Director, Ministry of the Environment has approved the associated Permit to Take Water</p>	<p>Condition not applicable - dewatering not required</p>
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall ensure that all technical studies, reports and other documents prepared for this proposed project become part of the public record. These shall be made available for review upon request by any person and shall be accessible from York Region's website.</p>	<p>September 22, 2006</p>
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall, prior to making any application to this Ministry for a Permit to Take Water to carry out dewatering activities for this proposed project, consult with the public on the application</p>	<p>Condition not applicable - dewatering not required</p>
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall ensure that all technical studies prepared in support of this project be independently Peer Reviewed by appropriate experts, including, but not limited to, fishery biologists and hydrogeologists, and the review shall be documented in a report.</p>	<p>September 2006</p>
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall carry out and document a review of design and construction techniques. The results of this review shall be used as part of the Class EA process for this proposed project to evaluate all reasonable design and construction techniques for this proposed project, and to select the preferred design and construction techniques for the preferred alternative for this proposed project. The evaluation shall include an assessment of the impacts of the design and construction techniques on all local natural heritage features including, but not limited to, Lake Ontario. The results of the evaluation and the reasons for the selection of the preferred design and construction techniques shall be documented in a report by York Region to be placed in the public record for this proposed project. The report shall be provided, prior to construction, to the Director, Ministry of the Environment, Central Region.</p>	<p>September 22, 2006</p>

Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall conduct a detailed receiving water assessment, as part of the Class EA process, for the preferred alternative of the Duffin Creek Water Pollution Control Plant, to avoid adverse impacts to any nearby water users, nearby municipal drinking water supplies, swimming beaches, and to avoid adverse impacts to aquatic habitats, including fish spawning areas and fish migration routes. The assessment shall include the proposed effluent criteria, which includes a requirement for a non-acutely lethal effluent at end of pipe, and a mixing zone analysis (modelling) to predict plume delineation and various parameter concentrations within the plume, under different effluent loading and lake ambient conditions of interest.</p>	September 22, 2006
<p>Duffin Creek WPCP – Stage 3 Expansion - For the purposes of completing the consultation requirements under the Municipal Engineers Association Municipal Class Environmental Assessment, June 2000, York Region shall prepare a consultation plan</p>	September 22, 2006
<p>Duffin Creek WPCP – Stage 3 Expansion - As part of York Region's Class EA study for this project, York Region shall ensure that all technical studies prepared for this project are carried out to a level of detail and information that would be required for an application for a Certificate of Approval under the Ontario Water Resources Act.</p>	September 22, 2006
<p>Duffin Creek WPCP – Stage 3 Expansion - York Region shall submit an annual report to the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment, indicating the date that each condition was fulfilled and the results of the conditions having been fulfilled.</p>	Report submitted annually
<p>Southeast Collector Trunk Sewer - The Terms of Reference shall be prepared in accordance with clause 6(2)(E) of the Environmental Assessment Act.</p>	February 28, 2006
<p>Southeast Collector Trunk Sewer - The Terms of Reference shall include a commitment to fulfill the following conditions during the preparations for this project: As part of the Environmental Assessment, alternative routes will be identified and assessed.</p>	August 2007
<p>Southeast Collector Trunk Sewer - For the preferred alternative selected as the proposed undertaking, monitoring and mitigation measures for any dewatering activities associated with the undertaking (including measures that address potential impacts to well users and the natural environment) will be developed.</p>	August 2009

Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>Southeast Collector Trunk Sewer - The Environmental Assessment will include, among the criteria used to compare the alternatives, dewatering activities and impacts on existing water users and on all local surface, ground water and natural heritage features. Data and baseline information on the local geology, hydrogeology, identification of areas with high hydraulic heads, safe excavation depths, hydrology, ecology of the area; and characterization and prediction and locations, rates and amounts of pumping and potential impacts of the dewatering, by conducting pump tests and modelling must be collected for this purpose.</p>	August 2007
<p>Southeast Collector Trunk Sewer - All reasonable alternative design and construction techniques associated with the preferred alternative selected as the proposed undertaking shall be addressed as part of the environmental assessment. The environmental assessment will identify the preferred design and construction techniques and reason for the selection. The assessment will include the impacts of all design and construction techniques on all local natural heritage features.</p>	August 2009
<p>Southeast Collector Trunk Sewer - All technical studies prepared as part of the environmental assessment will be peer reviewed by appropriate experts, including, but not limited to, fishery biologists and hydrogeologists, and the review shall be documented in the environmental assessment.</p>	August 2009
<p>Southeast Collector Trunk Sewer - The Regional Municipality of York will prepare a technical analysis of the impacts of dewatering as part of the assessment and evaluation of alternative routes.</p>	August 2009
<p>Southeast Collector Trunk Sewer - For the preferred alternative selected as the proposed undertaking, The Regional Municipality of York shall prepare a detailed dewatering evaluation to be included as part of the environmental assessment.</p>	August 2009
<p>Southeast Collector Trunk Sewer - The Regional Municipality of York shall ensure that all technical studies for the preferred alternative selected as the proposed undertaking are carried out to a level of detail and information that would be required for an application for a Certificate of Approval and Permit to Take Water under the Ontario Water Resources Act.</p>	August 2009
<p>Upper York Sewage Solutions (formerly Upper Leslie Trunk Sewer) - The Terms of Reference shall be prepared in accordance with subsection 6(2)(a) of the Environmental Assessment Act.</p>	March 11, 2010
<p>16th Avenue Trunk Sewer Phase 2 - The Regional Municipality of York shall develop monitoring and mitigation measures for the dewatering activities associated with this proposed project, including measures that address potential impacts to well users and the natural environment. These monitoring and mitigation measures shall assess the impacts of this project on long-term sustainability of groundwater and surface water resources in the watershed and mitigate these impacts.</p>	October 5, 2004

Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>16th Avenue Trunk Sewer Phase 2 – The Regional Municipality of York shall hold a public information meeting to present these mitigation and monitoring measures within two months of receiving notice that the Director, Ministry of the Environment has approved the associated Permit to Take Water application.</p>	November 23rd and 25th, 2004
<p>16th Avenue Trunk Sewer Phase 2 – For the purpose of this proposed project, The Regional Municipality of York shall maintain its well complaint review committee process of Regional Council as an appropriate complaint resolution mechanism for any well impacts associated with this project. In addition, The Regional Municipality of York shall develop a program to provide independent technical advisory support for individual property owners to facilitate well interference complaints.</p>	February 9, 2005
<p>16th Avenue Trunk Sewer Phase 2 – The Regional Municipality of York shall ensure that all technical studies, reports, and other documents prepared for this proposed project become part of the Project File. These shall be made available for review upon request by any person and shall be accessible from The Regional Municipality of York website.</p>	March 2005
<p>16th Avenue Trunk Sewer Phase 2 – The Regional Municipality of York shall prepare, to the satisfaction of the Director, Central Regional Office, Ministry of the Environment an aquatic habitat improvement plan for a selected reach of each stream into which water is discharged for the proposed project, which will result in a net improvement to the environment. The approved plan shall be implemented prior to completion of the proposed project.</p>	September 2010
<p>16th Avenue Trunk Sewer Phase 2 – The Regional Municipality of York shall submit an annual report to the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment, indicating the date that each condition was fulfilled and the results of the conditions having been fulfilled.</p>	Report submitted annually
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall develop monitoring and mitigation measures for the dewatering activities associated with this proposed project, including measures that address potential impacts to well users and the natural environment. These monitoring and mitigation measures shall assess the impacts of this project on long-term sustainability of groundwater and surface water resources in the watershed and mitigate these impacts.</p>	July 13, 2005
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall hold a public information meeting to present these mitigation and monitoring measures within two months of receiving notice that the Director, Ministry of the Environment, has approved the associated Permit to Take Water application for this project.</p>	May 31, 2006

Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall assess and address, as part of any subsequent applications for Permits to Take Water for this proposed project, any cumulative impacts on the environment of additional dewatering activities occurring as a result of any other related sewer projects.</p>	<p>Summer, 2005</p>
<p>Bathurst Collector and Langstaff Trunk Sewer - For the purpose of this proposed project, The Regional Municipality of York shall maintain its well complaint review committee process of Regional Council as an appropriate complaint resolution mechanism for any well impacts associated with this project. In addition, The Regional Municipality of York shall develop a program to provide independent technical advisory support for individual property owners to facilitate well interference complaints.</p>	<p>December 2009</p>
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall ensure that all technical studies, reports and other documents prepared for this proposed project become part of the public record. These shall be made available for review upon request by any person and shall be accessible from The Regional Municipality of York's website.</p>	<p>April 2005</p>
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall, prior to making any application to this Ministry for a Permit to Take Water to carry out dewatering activities for this proposed project, consult with the public on the application.</p>	<p>May 31, 2006</p>
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall ensure that all technical studies prepared in support of this project be independently peer reviewed by appropriate experts, including, but not limited to, fishery biologists and hydrogeologists, and the review shall be documented in a report.</p>	<p>September 15, 2005</p>
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall carry out and document a review of sewer design and construction techniques, including an Earth Pressure Balance Tunnelling Machine. The results of this review shall be used to evaluate all reasonable design and construction techniques for this proposed project, and to select the preferred sewer design and construction techniques for the preferred route alignment for this proposed project. The evaluation shall include an assessment of the impacts of the design and construction techniques on all local natural heritage features including, but not limited to, the Baker Sugarbush. The results of the evaluation and the reasons for the selection of the preferred design and construction techniques shall be documented in a report by The Regional Municipality of York to be placed in the public record for this proposed project. The report shall be provided, prior to construction, to the Director, Ministry of the Environment, Central Region.</p>	<p>September 15, 2005</p>

Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>Bathurst Collector and Langstaff Trunk Sewer – The Regional Municipality of York shall conduct a detailed assessment of the impacts of any dewatering activities required to be carried out for the preferred alternative route alignment for this proposed project.</p>	July 13, 2005
<p>Bathurst Collector and Langstaff Trunk Sewer - The Regional Municipality of York shall ensure that all technical studies prepared for this project are carried out to a level of detail and include information that would be required for an application for a Permit to Take Water for dewatering activities under the Ontario Water Resources Act.</p>	September 15, 2005
<p>Bathurst Collector and Langstaff Trunk Sewer – The Regional Municipality of York shall submit an annual report to the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment, indicating the date that each condition was fulfilled and the results of the conditions having been fulfilled.</p>	Report submitted annually
<p>19th Avenue Interceptor – The Regional Municipality of York shall develop monitoring and mitigation measures for the dewatering activities associated with this proposed project, including measures that address potential impacts to well users and the natural environment. These monitoring and mitigation measures shall assess the impacts of this project on long-term sustainability of groundwater and surface water resources in the watershed and mitigate these impacts.</p>	March 7, 2006
<p>19th Avenue Interceptor – The Regional Municipality of York shall hold a public information meeting to present these mitigation and monitoring measures within two months of receiving notice that the Director, Ministry of the Environment, has approved the associated Permit to Take Water application for this project.</p>	August 24, 2006
<p>19th Avenue Interceptor – The Regional Municipality of York shall assess and address, as part of any subsequent applications for Permits to Take Water for this proposed project, any cumulative impacts on the environment of additional dewatering activities occurring as a result of any other related sewer projects.</p>	November 4, 2005
<p>19th Avenue Interceptor – For the purpose of this proposed project, The Regional Municipality of York shall maintain its well complaint review committee process of Regional Council as an appropriate complaint resolution mechanism for any well impacts associated with this project. In addition, The Regional Municipality of York shall develop a program to provide independent technical advisory support for individual property owners to facilitate well interference complaints.</p>	Compliance with this condition was achieved with York Region's decision to apply the Council Resolution Well Mitigation program and to develop a roster of technical experts.
<p>19th Avenue Interceptor – The Regional Municipality of York shall ensure that all technical studies, reports, and other documents prepared for this proposed project become part of the public record. These shall be made available for review upon request by any person and shall be accessible from The Regional Municipality of York's website.</p>	February 2005

Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>19th Avenue Interceptor – The Regional Municipality of York shall, prior to making any application to this Ministry for a Permit to Take Water to carry out dewatering activities for this proposed project, consult with the public on the application.</p>	December 8, 2005
<p>19th Avenue Interceptor – The Regional Municipality of York shall ensure that all technical studies prepared in support of this project be independently peer reviewed by appropriate experts, including, but not limited to, fishery biologists and hydrogeologists, and the review shall be documented in a report.</p>	Comments from the Peer Review Team were incorporated into the final Routing Report, Appendices and Baseline Report.
<p>19th Avenue Interceptor – The Regional Municipality of York shall conduct a new comparison of alternative route alignments having consideration for, among other criteria to be applied in the comparison, the potential dewatering impacts of each alternative. This shall be carried out in full consultation with the public and interested stakeholders. This comparison and the results, including the preferred route alignment which is selected, shall be documented in a report for the public record for this proposed project.</p>	October 17, 2005
<p>19th Avenue Interceptor – The Regional Municipality of York shall conduct a detailed assessment of the impacts of any dewatering activities required to be carried out for the preferred alternative route alignment for this proposed project.</p>	October 17, 2005
<p>19th Avenue Interceptor – The Regional Municipality of York shall carry out and document a review of sewer design and construction techniques. The results of this review shall be used to evaluate all reasonable design and construction techniques for this proposed project, and to select the preferred sewer design and construction techniques for the preferred route alignment for this proposed project. The evaluation shall include an assessment of the impacts of the design and construction techniques on all local natural heritage features including, but not limited to, the provincially significant Rouge Headwaters Wetland complex and the Jefferson Forest Area of Natural and Scientific Interest. The results of the evaluation and the reasons for the selection of the preferred design and construction techniques shall be documented in a report by The Regional Municipality of York to be placed in the public record for this proposed project. The report shall be provided, prior to construction, to the Director, Ministry of the Environment, Central Region.</p>	September 15, 2005
<p>19th Avenue Interceptor – The Regional Municipality of York shall submit an annual report to the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment, indicating the date that each condition was fulfilled and the results of the conditions having been fulfilled.</p>	Report submitted annually

Complete List of Minister's Conditions and Date of Compliance

Condition	Date of Compliance
<p>Holland Landing, Queensville, Sharon – The Regional Municipality of York shall review the study conducted under the Class EA for the proposed Holland Landing/Queensville Sanitary Sewer and Forcemain project, including the environment and environmental conditions and assessment of alternatives. The review shall ensure that the project and the mitigation measures are still valid given the current planning context and the current environmental setting. The Ministry of the Environment Central Regional Office and all other interested stakeholders shall be consulted during this review. In the event that changes are identified, The Regional Municipality of York shall proceed in accordance with the provisions of the Class EA governing modifications to the projects.</p>	August 2007
<p>Holland Landing, Queensville, Sharon - As part of The Regional Municipality of York's Class EA study for this project, it shall ensure that all technical studies are carried out to a level of detail and include information that would be required of an application for a Certificate of Approval under the Ontario Water Resources Act.</p>	August 2007
<p>Holland Landing, Queensville, Sharon - The Regional Municipality of York shall submit an annual report to the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment, indicating the date that each condition was fulfilled and the results of the conditions having been fulfilled.</p>	Report submitted annually
<p>West Rainbow Creek – The Regional Municipality of York shall plan and develop the West Rainbow Creek Sanitary Sewer Upgrades project of the York Durham Sewage System in accordance with the Schedule C procedures of the Municipal Engineers Association Municipal Class Environmental Assessment, June 2000.</p>	February 2007
<p>West Rainbow Creek – The Regional Municipality of York shall carry out and document a review of sewer design and construction techniques. The results of this review shall be used as part of the Class EA process for the proposed project to evaluate all reasonable design and construction techniques for this proposed project, and to select the preferred sewer design and construction techniques for the preferred route alignment for this proposed project. The evaluation shall include an assessment of the impacts of the design and construction techniques on all local natural heritage features including, but not limited to, the Woodbridge Cut Earth Science Area of Natural and Scientific Interest and Environmental Significantly Area. The results of the evaluation and the reasons for the selection of the preferred design and construction techniques shall be documented in a report by The Regional Municipality of York to be place in the public record for this proposed project. The report shall be provided, prior to construction, to the Ministry of the Environment, Central Region.</p>	February 2007
<p>West Rainbow Creek – The Regional Municipality of York shall submit an annual report to the satisfaction of the Director, Environmental Assessment and Approvals Branch, Ministry of the Environment, indicating when and describing and describing how the above conditions are being fulfilled.</p>	Report submitted annually