

TERMS OF REFERENCE WORK PLAN:  
PROGRESS REPORT AS OF APRIL 17, 2009

Assessment Report Task/Progress	Start Date	End Date	Status
<b>COORDINATING AND SUPPORTING PROJECTS FOR THE ASSESSMENT REPORT</b>			
<b>Overall Coordination</b> <ul style="list-style-type: none"> <li>Project Management</li> <li>Report Writing (incorporating findings of the technical studies –text, maps, tables)</li> </ul>	2005	2010	In Progress
<b>UNDERTAKING COMMUNICATIONS INITIATIVES FOR THE ASSESMENT REPORT</b>			
<b>Overall communications/messaging</b> <ul style="list-style-type: none"> <li>Communications products -TCC information folders, water bottles, DVDs</li> <li>Public events</li> <li>Media Monitoring</li> </ul>	2005	2010	In Progress
<b>INFORMATION MANAGEMENT FOR THE ASSESSMENT REPORTS</b>			
<b>Overall data management</b> <ul style="list-style-type: none"> <li>Data sharing agreements -additional Water Quality data received</li> <li>Software Acquisition -MPAC parcel data received</li> <li>Mapping products</li> <li>Assessment Report Database</li> </ul>	2005	2010	In Progress
<b>UNDERTAKING A WATERSHED CHARACTERIZATION</b>			
<b>Watershed Characterization</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -writing underway, maps being revised</li> </ul>	2005	June 2009	In Progress
<b>WATER BUDGETS</b>			
<b>Conducting Conceptual Water Budgets</b> <ul style="list-style-type: none"> <li>Incorporate Potential Impacts from Climate Change -draft background paper prepared</li> </ul>	2005	2007	3 of 3 reports prepared
<b>Conducting a Tier 1 Water Budget and Stress Assessment</b> -minor changes being made by consultant to address Technical Rules and data provision	2007	2008	2 of 2 reports prepared
<b>Conducting a Tier 2 Water Budgets and Stress Assessments</b> -2 <sup>nd</sup> peer review meeting postponed by one month due to delays in work program	Dec 2008	Sept Oct? 2009	In Progress -4 by XCG Consultants -1 led by GRCA

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Conducting a Tier 3 Water Budget and Risk Assessment tbd	tbd	tbd	to be initiated, if required
Significant Groundwater Recharge Areas -revisions underway following receipt of peer review comments	Nov 2007	May 2009	In Progress - CAMC preparing report -Peer review underway
<b>LANDSCAPE SCALE VULNERABILITY ASSESSMENTS/ISSUES/THREATS</b>			
Delineating and applying scores to Highly Vulnerable Aquifers -methodology finalized -work underway for southern area -awaiting MOE response regarding need for Director's approval for northern area	Dec 2008	June 2009	In Progress -AECOM hired to complete work
Identifying issues, inventorying threats, assessing hazards in Highly Vulnerable Aquifers	2009	2010	Not initiated
Assessing Risks in Highly Vulnerable Aquifers	2009	2010	Not initiated
Delineating and applying scores to Significant Recharge Areas	See water budgets		
Identifying issues, inventorying threats, assessing hazards in Significant Recharge Areas	2009	2010	Not initiated
Assessing Risks in Significant Recharge Areas	2009	2010	Not initiated
<b>MUNICIPAL SYSTEMS - SURFACE WATER VULNERABILITY, THREATS/HAZARDS, RISKS</b>			
<b><i>3 Lake Ontario Intakes (Lake Ontario Collaborative Study)</i></b>			
Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones (Newcastle, Port Hope, Cobourg - Ganaraska SPA only) • Additional work underway to satisfy new requirements -Region of Peel received revised contract for the LOC work	2006	tbd	In Progress -Draft work plan developed to satisfy new requirements
Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones	2006	tbd	In Progress (Issues) Not initiated (Threats)
<b><i>10 Trent River/Bay of Quinte Intakes (led by TCC)</i></b>			
Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones • Additional work underway to satisfy new requirements • Edge map with Belleville (Quinte SPR) -draft report/technical memorandum received	2006	May 2009	In Progress -XCG Consultants undertaking work
Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones • Additional work underway to satisfy new requirements -issues presentation made by XCG at last SPC meeting -some additional data provided by MOE -completed analysis to identify % managed lands and application of nutrient units to pre-screen where agricultural	2006	Aug 2009	In Progress -XCG Consultants undertaking work

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operations can be considered significant			
<b>6 Trent River Intakes (led by City of Kawartha Lakes)</b>			
<b>Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements</li> </ul>	2007	May 2009	In Progress -XCG Consultants undertaking work
<b>Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -managed lands/nutrient units analysis completed</li> </ul>	2007	Aug 2009	In Progress -XCG Consultants undertaking work
<b>TECHNICAL WORK: MUNICIPAL SYSTEMS - GROUNDWATER VULNERABLE AREAS AND WATER QUALITY DRINKING WATER THREATS/ISSUES</b>			
<b>14 municipal well systems (led by TCC)</b>			
<b>Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -draft report/technical memorandum received for 7 northern sites -WHPA-E work completed for some sites/underway for others</li> </ul>	2006	June 2009	In Progress -XCG Consultants undertaking work
<b>Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -issues presentation made by XCG at last SPC meeting -managed lands/nutrient units analysis completed</li> </ul>	2006	Aug 2009	In Progress -XCG Consultants undertaking work
<b>13 municipal well systems (led by City of Kawartha Lakes)</b>			
<b>Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -model demonstration to CKL and TCC staff -determination of need for WHPA-E delineation underway for several systems</li> </ul>	2007	June 2009	In Progress -Jagger Hims Ltd undertaking work
<b>Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -managed lands/nutrient units analysis completed</li> </ul>	2007	Aug 2009	In Progress -Jagger Hims Ltd undertaking work
<b>2 municipal well systems (led by Hamilton Township)</b>			
<b>Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -revised report submitted to Township by Consultant</li> </ul>	2006	June 2009	In Progress -Jagger Hims Ltd undertaking work
<b>Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -managed lands/nutrient units analysis completed</li> </ul>	2006	Aug 2009	In Progress -Jagger Hims Ltd undertaking work

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<b>4 municipal well systems (led by Region of Durham)</b>			
<b>Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -WHPA-E delineation under consideration for one system</li> </ul>	2006	June 2009	In Progress -Jagger Hims Ltd undertaking work
<b>Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -managed lands/nutrient units analysis completed</li> </ul>	2006	Aug 2009	In Progress -Jagger Hims Ltd undertaking work
<b>1 municipal well system (led by Township of Havelock-Belmont-Methuen)</b>			
<b>Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -contract signed for delineation of WHPA-E</li> </ul>	2006	June 2009	In Progress -Jagger Hims Ltd undertaking work
<b>Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones</b> <ul style="list-style-type: none"> <li>Additional work underway to satisfy new requirements -managed lands/nutrient units analysis completed</li> </ul>	2006	Aug 2009	In Progress -Jagger Hims Ltd undertaking work
<b>2 Planned municipal well systems</b>			
<b>Delineating and applying vulnerability scores to Wellhead Protection Areas/Intake Protection Zones</b> <b>Issues</b> -discussions with Cavan-Monaghan staff re planned systems	tbd	tbd	Not initiated
<b>Identifying issues, inventorying threats, assessing hazards, assessing risks in Wellhead Protection Areas/Intake Protection Zones</b> -managed lands/nutrient units analysis completed	tbd	tbd	Not initiated
<b>PEER REVIEW OF VULNERABILITY STUDIES</b>			
<b>Peer Review of Municipal Well Vulnerability Studies</b> -Harden Environmental Ltd hired -start up meeting held -peer review of first set of studies initiated	March 2009	July 2009	In Progress
<b>Peer Review of Municipal Surface Water Intake Vulnerability Studies</b> -AECOM hired -start up meeting held -peer review of first set of studies initiated	March 2009	July 2009	In Progress
<b>CONSULTATION ON OVERALL PROPOSED ASSESSMENT REPORT</b>			
<b>Stakeholder Consultations</b> (outside of regulatory requirements)	May 2009	Oct 2009	Not initiated
<b>Public Notice of Draft Proposed Assessment Report</b> <ul style="list-style-type: none"> <li>Direct notification to landowners</li> <li>Web-site</li> <li>Direct mail outs to municipalities, First Nations, others</li> </ul>	January 2010	January 2010	Not initiated

<b>Assessment Report Task/Progress</b>	<b>Start Date</b>	<b>End Date</b>	<b>Status</b>
<ul style="list-style-type: none"> <li>Make available in public places</li> </ul>			
<b>Open Houses</b> <ul style="list-style-type: none"> <li>Minimum of 6 across region</li> </ul>	Feb 2010	Feb 2010	Not initiated
<b>Public comment period</b>	Jan 2010	Feb 2010	Not initiated
<b>Incorporate public comments</b>	March 2010	April 2010	Not initiated
<b>Public notice of proposed Assessment Report &amp; submit to Source Protection Authority</b>	April 2010	April 2010	Not initiated
<b>Public comment period</b>	April 2010	May 2010	Not initiated
<b>REVISE/UPDATE ASSESSMENT REPORT</b>			
<b>Revise/Update Assessment Reports</b>	Sept 2010	June 2012	Not initiated
<b>Source Protection Plan Task/Progress</b>	<b>Start Date</b>	<b>End Date</b>	<b>Status</b>
<b>PREPARATION OF SOURCE PROTECTION PLAN</b>			
<b>Source Protection Plan Development</b>	2010	Aug 2012	Not initiated

**ADDITIONAL NOTES:**

Additional threats training to be provided by Province (possibly in May)