

Revisions to the UTRSPA Assessment Report – Section 1

White Cells- original text

Grey cells- new text

Yellow highlight- area of original text to be changed

Bright Green highlight- area of new text

Section 1– Introduction and Background

Section	Page	Text	Reason For Change	Changes Made
Cover And Footers		Amended Proposed Assessment Report Revised - August 12, 2011 1.0 Introduction and Background Approved	Reflect updated version	
		Updated Assessment Report November 14, 2014 1.0 Introduction and Background		
1.0	1-1	The Clean Water Act, 2006 required the establishment of Source Protection Committees to oversee the process locally. The Source Protection Committee developed and consulted on a work plan document called the Terms of Reference and submitted it to the Minister of the Environment for Approval. Based on the approved Terms of Reference the Source Protection Committee was to complete an Assessment Report and Source Protection Plan. The Assessment Report is a science-based document that forms the basis of the Source Protection Plan. The Plan is to contain policies to reduce the risk associated with threats to the drinking water sources identified in the Assessment Report.	verb tense change to match the rest of the section	
		The Clean Water Act, 2006 required the establishment of Source Protection Committees to oversee the process locally. The Source Protection Committee developed and consulted on a work plan document called the Terms of Reference and submitted it to the Minister of the Environment for Approval. Based on the approved Terms of Reference the Source Protection Committee completed an Assessment Report and Source Protection Plan. The Assessment Report is a science-based document that forms the basis of the Source Protection Plan. The Plan contains policies to reduce the risk associated with threats to the drinking water sources identified in the Assessment Report.		
1.0	1-11/2	The Clean Water Act, 2006 requires that Assessment Reports be completed for each Source Protection Area with a Source Protection Region (SPR). The Assessment Reports are to contain detailed information which identify vulnerable areas associated with drinking water systems, assess the level of vulnerability, identify issues related to the drinking water sources, identify activities within those vulnerable areas which pose threats to the systems, and assess the risk due to threats. The three Source Protection Areas of the	Verb tense changes	

Section	Page	Text	Reason For Change	Changes Made
		Thames-Sydenham and Region SPR as shown in the following Map 1-1. An Assessment Report is prepared for each Source Protection Area.		
		The Clean Water Act, 2006 requires that Assessment Reports be completed for each Source Protection Area with a Source Protection Region (SPR). The Assessment Reports contain detailed information which identify vulnerable areas associated with drinking water systems, assess the level of vulnerability, identify issues related to the drinking water sources, identify activities within those vulnerable areas which pose threats to the systems, and assess the risk due to threats. The three Source Protection Areas of the Thames-Sydenham and Region SPR are shown in the following Map 1-1. An Assessment Report is prepared for each Source Protection Area.		
1.1	1-2	This Assessment Report is modular in nature. It is comprised of several Sections and Appendices. The Sections are, in effect, a summary of various technical studies which are described later in this section. Each of the Sections is summarized in Section Summaries contained in Appendix 2. Material pertinent to a specific drinking water system is summarized in System Summaries included in Appendix 3. Maps form a large part of the content of the Assessment Report, and are contained in Appendix 1. Tabloid sized (11"x17") maps are included in this report, and may be printed on letter sized paper and remain mostly legible. The entire document is available on Compact Disk (CD) complete with the appendices to the Assessment Report .	AR and SPP now on same DVD	
		This Assessment Report is modular in nature. It is comprised of several Sections and Appendices. The Sections are, in effect, a summary of various technical studies which are described later in this section. Each of the Sections is summarized in Section Summaries contained in Appendix 2. Material pertinent to a specific drinking water system is summarized in System Summaries included in Appendix 3. Maps form a large part of the content of the Assessment Report, and are contained in Appendix 1. Tabloid sized (11"x17") maps are included in this report, and may be printed on letter sized paper and remain mostly legible. The entire document is available on DVD complete with the appendices to the Assessment Report and the Source Protection Plan .		
1.1	1-2	The Watershed Characterization Reports for the region were completed in 2008. A three volume report was produced for the Thames Watershed and Region which included the Upper Thames River Source Protection Area and the Lower Thames Valley Source Protection Area. A summary of the report was developed which included all of the mapping products used in the Watershed Characterization Report. The summary of the Thames Watershed and Region Watershed Characterization Report is included in Appendix 5. The summary and the full Watershed Characterization Reports are available in portable document format (Adobe PDF) on Compact Disk (CD) .	Reflect current organization of reports on DVD	
		The Watershed Characterization Reports for the region were completed in 2008. A three volume report was produced for the Thames Watershed and Region which included the Upper Thames River Source Protection Area and the Lower Thames Valley Source Protection Area. A summary of the report was developed which included all of the mapping products used in the Watershed Characterization Report. The summary of the Thames Watershed and Region Watershed Characterization Report is included in Appendix 5. The summary and the full Watershed Characterization Reports are available in portable document format (Adobe PDF) on		

Section	Page	Text	Reason For Change	Changes Made
		the Source Protection Plan DVD.		
1.1	1-3	Further, a Tier 3 local area risk assessment and water budget will be done to assess the water quantity threats at each drinking water system exhibiting a potential for stress in the Tier 2 assessment.	Update status	
		Further, a Tier 3 local area risk assessment and water budget was completed to assess the water quantity risks at each drinking water system exhibiting a potential for stress in the Tier 2 assessment.		
1.1	1-3	The Issues Evaluation Section describes the methods applied and the findings of the drinking water quality issues evaluation process across the Source Protection Area. The detailed methodology for the issues evaluation process is included in Appendix 8. A table of issues identified is included in the Issues Evaluation section as well as a description of the impact of identifying an issue. The findings reported in this section are also included in the System Summaries in Appendix 3.		
		The Issues Evaluation Section describes the methods applied and the findings of the drinking water quality issues evaluation process across the Source Protection Area. The detailed methodology for the issues evaluation process is included in Appendix 8. A table of issues identified is included in the Issues Evaluation section as well as a description of the impact of identifying an issue.		
1.1	1-4	This section also outlines the additional work required to investigate activities believed to be threats. An overview of this information is presented in the System Summaries included in Appendix 3.		
		This section also outlines the additional work required to investigate activities believed to be threats.		
1.2.4	1-6	Update Web Links http://www.ene.gov.on.ca/environment/en/resources/STD01_078436.html http://www.ene.gov.on.ca/environment/en/legislation/clean_water_act/STDPROD_081301.html	Update Web Links	
		https://www.ontario.ca/environment-and-energy/tables-drinking-water-threats https://www.ontario.ca/enviornment-and-eneqry/provinical-tables-circumstances		
1.2.6	1-7	Following the completion of the Assessment Report, a Source Protection Plan must be developed by the Source Protection Committee. The focus of the Source Protection Plan is to reduce or manage risks to drinking water sources. The Source Protection Plan will contain policies focused on activities which are identified as threats.	Verb tense	
		Following the completion of the Assessment Report, a Source Protection Plan must be developed by the Source Protection Committee. The focus of the Source Protection Plan is to reduce or manage risks to drinking water sources. The Source Protection Plan contains policies focused on activities which are identified as threats.		

Section	Page	Text	Reason For Change	Changes Made
1.3	1-9	Discussions with First Nations encouraged their participation on the Source Protection Committee. Those discussions led to the recent appointment of two of the three First Nations members on the Source Protection Committee. These two members were appointed by the London District Chief's Council to represent the eight First Nations in the region.	Still just 2?	
		Discussions with First Nations encouraged their participation on the Source Protection Committee. Those discussions led to the appointment of three First Nations members on the Source Protection Committee. These members were appointed by the London District Chief's Council to represent the eight First Nations in the region.		
1.3	1-10	<i>Table 1-1 SPC members and representation</i>	Reflect current SPC members	
		<i>See updated table appended to the end of this change log</i>		
1.5	12	The Terms of Reference for the Upper Thames River Source Protection Area were approved by the Minister of the Environment and the notice of approval posted on the Environmental Registry on April 20, 2009. This approval set the due date of this Assessment Report one year from the posting of the approval of the Terms of Reference, April 20, 2010, which was met. The report was further amended to produce the current Amended Proposed Assessment Report, due in December 2010.	Needs to reflect current AR status	
		The Terms of Reference for the Upper Thames River Source Protection Area were approved by the Minister of the Environment and the notice of approval posted on the Environmental Registry on April 20, 2009. This approval set the due date of the Assessment Report one year from the posting of the approval of the Terms of Reference, April 20, 2010, which was met. The report was amended to produce the Amended Proposed Assessment Report, dated in August 8, 2011. It has since been updated to the current Updated Assessment Report due to be submitted for approval in early 2015		
1.10.1	1-19	Caldwell First Nation is also established in the area near Rondeau Bay; however they currently do not have a reserve.	Reflect more accurate description of current area	
		Caldwell First Nation is also established in the area between Leamington and Rondeau Bay; however they currently do not have a reserve.		
1.8	1-14	Regulations require consultation on the Assessment Reports. This consultation, much like that of the Terms of Reference, requires a public meeting and posting of the Assessment Report for comment. Two posting periods are required: one posted by the Source Protection Committee for consultation on the draft proposed Assessment Report; and the second posted by the Source Protection Authority for comments on the proposed Assessment Report. The proposed Assessment Report is then submitted to the Ministry of the	Reflect updated AR	

Section	Page	Text	Reason For Change	Changes Made
		Environment along with comments received in the final posting period. The Director may then approve the Assessment Report or require changes to the report.		
		Regulations require consultation on the Assessment Reports. This consultation, much like that of the Terms of Reference, requires a public meeting and posting of the Assessment Report. Two posting periods are required: one posted by the Source Protection Committee for consultation on the draft proposed Assessment Report; and the second posted by the Source Protection Authority for comments on the proposed Assessment Report. The proposed Assessment Report is then submitted to the Ministry of the Environment along with comments received in the final posting period. The Director may then approve the Assessment Report or require changes to the report which has been referred to as the amended proposed Assessment Report. Once approved any revisions are included in an updated Assessment Report.		
1.8	1-16	<i>Table 1-4 Summary of planned UTRSPA Assessment Report Consultation</i>	No longer relevant	
		<i>Delete table contents but retain table with the following text:</i> Please refer to Assessment Report Consultation in Appendix 4 for details on Assessment Report consultation		
1.9	1-16	The following schedule describes at high level the work conducted so far, and the Source Protection Planning process.	Update to reflect current status	
		The following schedule describes at high level the work required to complete the Assessment Report and Source Protection Plan and update the Assessment Report and amended the Source Protection Plan before the approval of the first Source Protection Plan for the Thames-Sydenham and Region.		
1.9	1-17	<i>Figure 1-1 Source Protection planning schedule overview</i>	update figure	
		<i>See revised figure appended to this change log</i>		
1.9	1-19	The proposed report was updated and amended as required by the Director, due to additional technical work carried out, as described in Section 1.10.2. The Amended Proposed Assessment Report will also be posted on the Internet for a 30 day comment period.		
		The proposed report was amended as required by the Director, due to additional technical work carried out, as described in Section 1.10.2. The Amended Proposed Assessment Report was also posted on the Internet for a 30 day comment period. The current report is an Updated Assessment Report which fills in many of the data gaps identified in previous Assessment Reports. Local consultation with those affected by the updates has been conducted as well as a posting and open house in conjunction with the consultation on the amended proposed Source Protection Plan.		

Section	Page	Text	Reason For Change	Changes Made
1.10.1	1-20	<p>First Nations participate on the Source Protection Committee with the appointment of three First Nations members. Previously various staff of the Southern First Nations Secretariat and councilors from the First Nations have participated in various ways including informal participation in tours and meetings of the Source Protection Committee, forums and workshops held at various stages in the Source Protection Planning process. A First Nations liaison hired by the Conservation Authorities has been instrumental in the involvement of First Nation communities in many aspects of Source Protection Planning. Interest has been expressed in the participation in some of the technical studies.</p>	update	
		<p>First Nations participate on the Source Protection Committee with the appointment of three First Nations members. Previously various staff of the Southern First Nations Secretariat and councilors from the First Nations have participated in various ways including informal participation in tours and meetings of the Source Protection Committee, forums and workshops held at various stages in the Source Protection Planning process. A First Nations liaison hired by the Conservation Authorities has been instrumental in the involvement of First Nation communities in many aspects of Source Protection Planning.</p> <p>The Chippewas of Kettle & Stony Point First Nation (in St Clair Region Source Protection Area) passed a band council resolution requesting the Minister to include their intake in the Terms of Reference for the region and allow them to undertake the technical work to include Intake Protection Zones for their intake. Other First Nations in the Lower Thames Valley Source Protection Area participated in a study to assess a potential WHPA-E associated with their GUDI wells. The First Nations Working Group also explored potential policies which could be put in place on reserve to afford their groundwater a similar level of protection to municipal systems under the Source Protection Plan although they did not formally request to have their systems added to the Terms of Reference for the region.</p>		
1.10.2	20	<p>Several of the gaps identified in the Proposed Assessment Report are now filled. These include the Tier 2 water budget drought scenario analysis, the delineation, vulnerability assessment and threats assessment (vulnerability scoring approach) of WHPA-E, and threats assessment of sewer line threats. Filling of those data gaps in early 2011 allowed them to be included in the current Amended Proposed Assessment Report, thus allowing for the materials to be available to the Source Protection Committee for the development of the Source Protection Plan. The Source Protection Plan is required to be submitted in August 2012. Section 9 indicates the remaining few gaps in the Upper Thames River Source Protection Area Assessment Report.</p> <p>The Assessment Report can be amended if the Source Protection Committee becomes aware of the need to amend the report. Changes in understanding or factors such as land use which may have an impact on the Assessment Report may be brought to the attention of the Source Protection Committee. As a result of this new information or understanding, the Source Protection Committee may amend the Assessment Report in the future. The Source Protection Committee will also need to consider amendments to the Assessment Report when the Source Protection Plan is reviewed. The period for review of the Source Protection Plan will be established by the Minister in the approval of the Source Protection Plan.</p> <p>Any amendments to the Assessment Report would require consultation of those affected by the</p>		

Section	Page	Text	Reason For Change	Changes Made
		amendments.		
		<p>Several of the gaps identified in the Proposed Assessment Report are now filled. This updated Assessment report includes the completion of the Tier 3 Water Budget and Water Quantity Risk Assessment, as well as Issues Contributing Area delineation. The SGRA and related risk assessment information has also been updated. The Source Protection Plan is also amended and consultation on the Plan is occurring with this Assessment Report. Section 9 indicates the remaining few gaps in the Upper Thames River Source Protection Area Assessment Report.</p> <p>The Assessment Report can be updated if the Source Protection Committee becomes aware of the need to update the report. Changes in understanding or factors such as land use which may have an impact on the Assessment Report may be brought to the attention of the Source Protection Committee. As a result of this new information or understanding, the Source Protection Committee may update the Assessment Report in the future. The Source Protection Committee will also need to consider amendments to the Assessment Report when the Source Protection Plan is reviewed. The period for review of the Source Protection Plan will be established by the Minister in the approval of the Source Protection Plan.</p> <p>Any updates to the Assessment Report would require consultation of those affected by the amendments.</p>		
A11- Glossary				
		Add EBA – Event Based Area And Event Based Area – An area within which an activity is a significant drinking water threat based on event modelling. It may be comprised of parts of IPZ-1, IPZ-2 and IPZ-3		

