

**UTRSPA- Source Protection Assessment Report Content Checklist**

July 9, 2010

**NOTE: This Assessment Report Checklist lists page numbers which are approximate. This is due to formatting and possible changes in page breaks of the Assessment Report during the writing of this checklist. However the Section numbers are accurate.**

## UTRSPA- Source Protection Assessment Report Content Checklist

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NO.	SUMMARY OF LEGISLATIVE REQUIREMENTS	LEGISLATIVE REFERENCE			MINIMUM FORMAT	GUIDANCE	PAGE/MAP NO. IN ASSESSMENT REPORT
		CWA	REG 287/07	TECHNICAL RULES			
	<i>Excerpts listed below are from the Legislative requirements from the Clean Water Act (CWA), Regulation 287/07 and Technical Rules (Please refer to actual legislation for detailed wording)</i>	<i>Section reference for legislative requirement from its source document. Several requirements have multiple references to section within the CWA, Regulation 287/07 and Technical Rules</i>			<i>Minimum requirement for format in AR to meet legislative requirement</i>	<i>Additional guidance or linkage to other MOE guidance documents or training that should be considered when compiling the AR</i>	<b>To be completed by CA</b> – provide page or map number where legislative requirement is presented in AR
<b>ALTERNATE METHOD / APPROACH</b>							
i	<input type="checkbox"/> Alternate method or approach to requirements in the technical rules <ul style="list-style-type: none"> <li>o Rationale for the departure</li> <li>o Explanation of how the approach is equivalent or better,</li> <li>o A copy of the Director's approval included in the assessment report</li> </ul>			15.1, 15.2	Text  Copy of letter from Director	<p>In preparing an AR, a SPC may use an alternate method/approach for gathering information or for performing a task that departs from the method/approach prescribed in the Technical Rules under written confirmation from the Director.</p> <p>Rule 15.1 does not relieve the SPC from ensuring that an AR is prepared in accordance with an applicable requirement in the Act, regulations or ToR.</p>	
<b>WATERSHED CHARACTERIZATION COMPONENT</b>							
1	<input type="checkbox"/> Information sources for data used in developing the AR and the purposes for which it was used			9(2)(a)	Table	For the information contained in the watershed characterization these requirements must be included in the AR	Section 2.2: p. 2-2
2	<input type="checkbox"/> Methods of analysis applied to data			9(2)(b)	Text		Section 2 (throughout), Appendix 5 (throughout),
3	<input type="checkbox"/> Limitations in respect of TR 9 (2)(a & b) (information sources and methods of analysis)			9(2)(c)	Text		Section 2.4: p. 2-29

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4	<input type="checkbox"/> Identify watersheds in the source protection area		15 (2)(a)					Appendix 1: Map 1-1
5		o watershed boundaries			16(1)	Map	May be the same as the source protection area boundary or a different boundary depending on the situation for the SPA.	Appendix 1: Map 1-1
6		o subwatershed areas			16(2)(a)	Map	Subwatershed areas should reflect subwatersheds in the water budget.	Appendix 1: Map 1-1, 1-2
6A	<input type="checkbox"/> Describe watersheds				2, 16, 17, 18	Text	Where information is available – to align with lines 7-29	Section 2.3.1: p. 2-4, Appendix 5 p. 3
7	<input type="checkbox"/> Physical geography characterization for every watershed			13(1)(1)				Section 2.3.2: p. 2-4, Appendix 5
8		o the location and types of natural vegetative cover, including wetlands, woodlands and vegetated riparian areas and the percentage of land coverage of each			16(4)	Map Table		Appendix 5: p. 12-13, Map 23a, Map 24 and Map 25a. Section 2.3.2: p. 2-4 to 2-7
9		o location and types of aquatic habitats, including coldwater, mixed, and warm water fisheries, and macroinvertebrate communities			16(5)	Map		Appendix 5: p. 10-11 and 13-15, Section 2.3.2: p. 2-7, Appendix 5 Addendum p. 2-6
10		o a comparison of the communities described for TR 16(5) to similar communities not impacted by anthropogenic factors			16(6)	Text	The intent of this rule is to describe the impact human factors have had on some of the communities listed under 9 and in rule 16(5).	Section 2.3.2: p. 2-10 to 2-12

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11		<ul style="list-style-type: none"> <li>o a description of the species at risk within the source protection area, if relevant</li> </ul>			16(7)	Map Table	Species at risk can not be mapped at a scale that is prohibited by the Species At Risk Act. Mapping of general areas is acceptable but not required.	Appendix 5: Map 29. Appendix 5 Addendum p. 7 to 8, Section 2.3.3 p. 2-12
12	<input type="checkbox"/>	Characterization of surface water and groundwater quality and quantity in watersheds	15 (2)(b)			Text	This is a very high level description and reference to more detailed information in other areas of the AR.	Section 2.3.4, Appendix 5
13		<ul style="list-style-type: none"> <li>o surface water quality and groundwater quality across watersheds</li> </ul>			16(8), 9(3)(a), 18	Text Table Maps	Refer to TR 19 for considerations for assessing water quality	Section 2.3.4: p. 2-18 to 2-22, Appendix 5 p. 21 to 35, Appendix 5 Map 15 and Map 37
14	<input type="checkbox"/>	Human geography characterization		13(1)(1)		Text		Section 2.3.3, Appendix 5
15		<ul style="list-style-type: none"> <li>o areas of settlement, as defined in the Places to Grow Act, 2005</li> </ul>			16(2)(b)	Map	If not defined in the Places To Grow Act, define boundaries based on official plans or other maps of the area.	Appendix 1: Map 1-4
16		<ul style="list-style-type: none"> <li>o municipal boundaries</li> </ul>			16(2)(c)	Map		Appendix 1: Map 1-2
17		<ul style="list-style-type: none"> <li>o municipal population and population density</li> </ul>			16(2)(c)	Table Map	Including high, medium, and low density areas	Section 2.3.3:Table 2-3, Appendix 1: Map 2-1
18		<ul style="list-style-type: none"> <li>o federal lands</li> </ul>			16(2)(e)	Map	Lands owned and regulated by the federal government.	Section 2.3.3: p. 2-15
19		<ul style="list-style-type: none"> <li>o reserves as defined under the <i>Indian Act</i> (Canada), and their population and population density</li> </ul>			16(2)(d)	Table Map		Section 2.3.3: p. 2-14

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20		<ul style="list-style-type: none"> <li>○ One or more managed land maps</li> </ul>			16(9)	Map	Rules 16(9) and (10) require that one or more maps be developed. See	Appendix 1: Map 7-2-1 to 7-2-23
21		<ul style="list-style-type: none"> <li>○ One or more livestock density maps</li> </ul>			16(10)	Map	Technical Bulletin for more detail. Only required for the parts of each vulnerable area where the vulnerability score is >4.	Appendix 1: Map 7-2-1 to 7-2-23
22		<ul style="list-style-type: none"> <li>○ One or more percentage impervious surface area maps.</li> </ul>			16(11), 17	Table Map	Map must show the 1 km <sup>2</sup> grid, and the percentage impervious area within each grid square. The grid is centred in the SPA unless approved otherwise, but the grid cells are only required where they overlap with vulnerable areas.  Note these maps are only required for the parts of each vulnerable area where the vulnerability score is >4.	Appendix 1: Map 7-1-1 to 7-1-23
23	<input type="checkbox"/> Drinking Water Systems							
24		<ul style="list-style-type: none"> <li>○ drinking water system locations and area served by a system</li> </ul>			16(3)(a)	Map Table	This includes any DWS that is listed in rule 3(b). SPCs are not expected to know the locations served by every drinking water system. The watershed characterisation should reflect the knowledge available, how this was determined, and gaps in information as per TR 9(2)	Appendix 1: Map 1-3, Section 2.3.6: Table 2-4 p. 2-24

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25		o drinking water system classification and the number of users served by the system			16(3)(b) & (c)	Table		Section 2.3.6: p. 2-24 to 2-28
26		o the location of surface water intakes and wells that are part of the system			16(3)(d)	Map Table		Appendix 1: Map 4-1-1 to Map 4-1-23
27		o the maximum annual, average annual and average monthly pumping rates of surface water intakes and wells that are part of the system			16(3)(d)	Table		Section 2.3.6: p. 2-24 to 2-28
28		o location of monitoring wells related to the system			16(3)(e)	Map, Table		Appendix 1: Map 4-1-1 to Map 4-1-23
29	<input type="checkbox"/>	Interactions between physical and human geography		13(1)(1)		Text		Section 2: p. 2-15 to 2-18
<b>WATER BUDGET COMPONENT</b>								
30	<input type="checkbox"/>	Information sources for data used in developing the AR and the purposes for which it was used			9(2)(a)	Table	For entire water budget.	Appendix 6: p. 13 to 29
31	<input type="checkbox"/>	Methods of analysis applied to data			9(2)(b)	Text		Section 3.2: p. 3-3 to 3-10
32	<input type="checkbox"/>	Limitations in respect of TR 9 (2)(a & b) (information sources and methods of analysis)			9(2)(c)	Text		Section 3.6: p. 3-22, Appendix 6: p. 217 to 221

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33	<input type="checkbox"/> Conceptual water budget for every watershed (identify the different ways that water enters and leaves the watershed)		15(2)(c)		9(1)(b), 9(2)(d), 19, 24		TR 24 provides conditions under which an SPC is exempt from completing a separate conceptual water budget, specifically where the same information is included within a tier 1 or 2 water budgets. Refer to MNR's guidance on water budget.	Appendix 6: p. 193 to 212
34		<input type="checkbox"/> Assessment of physiography		13(1)(1)	19(1)	Map Text	Should include one or more of the following maps and text - physiographic regions - bedrock topography - ground surface topography - hummocky topography  The information may already be contained in the watershed characterization and can be referenced if this is the case.	Section 2.3.2 p. 2-4, Appendix 5: Maps 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, Appendix 6: p. 78 to 91

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35	<input type="checkbox"/>	Assessment of geology			19(2)	Map Text	Should include one or more of the following maps and text: - permeability distribution at surface and subsurface influences, runoff and infiltration/recharge trends - cross-sections of watershed scale aquifer units - bedrock geology - surficial geology - overburden thickness - soils  The information may already be contained in the watershed characterization and can be referenced if this is the case.	Section 2.3.2 p. 2-4, Appendix 5: Maps 2, 3, 4, 5, 6, 7, 8, 9, 12, 13, Appendix 6: p. 64 to 78
36	<input type="checkbox"/>	Assessment of how land cover across the area affects groundwater and surface water			19(9)	Map Text	Describe land cover (current conditions)	Section 2.3.2: p. 2-4, p. 2-8. Appendix 5 Map 30, Appendix 6: p. 157 to 159
37	<input type="checkbox"/>	For surface water within conceptual water budget						
38		<input type="checkbox"/> Assessment of surface water bodies and their flows and water levels	15(2)(c) (ii)		19(3)	Map Table	One or more maps, graphs and tables: - long term monthly flows and annual surface water flows - streamflow gauging stations	Appendix 6: p. 89 to 119.

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39			○ Assessment of Aquatic habitat dependant upon water depth, flow & temperature			19(11)	Table Map	One or more maps or tables: - aquatic habitats dependent on water depth, flow and temperature - fisheries - cold water vs. warm water	Section 2.3.2: p. 2-7, Appendix 5 Addendum, Appendix 6: p. 157, 160 to161.
40			○ Assessment of surface water control structures including any dams within the meaning of section 1 of the <i>Lakes and River Improvement Act</i> , and any plans that govern operations of the structure			19(4)	Map Table Text	How these control structures impact surface water flows; one or more of maps of dams, channel diversions and water crossings. Any plans that govern operations of the structure are not required to be included as part of the AR. A link could be provided for where the operational plan is located, if necessary.	Appendix 6: p. 91 to 96

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41			<ul style="list-style-type: none"> <li>○ Assessment of surface water intakes</li> </ul>			19(6)	Table Map	This should include DWSs in addition to those listed within the Watershed Characterization (TR 16(3)(a-d)), which would mean the inclusion of any surface water DWS that takes water for reasons other than drinking water, plus any drinking water system not listed in TR 16(3)(b). SPCs are not expected to know where every drinking water system is located, but should use all available sources of information to identify intakes. Where information is not available, estimates can be made on the numbers of systems and expected takings.	Appendix 6 p. 182-184
42			<ul style="list-style-type: none"> <li>○ Assessment of the maximum, actual and projected amounts of water taken annually from the watershed that require a permit under s. 34 of OWRA</li> <li>○ Assessment of the purpose for which water is being taken (TR 19(8))</li> </ul>	15(2)(c) (iii)		19(8), 19(10.1)	Table	<p>This row in the checklist combines several similar requirements to report on permitted takings (takings that are authorized with a PTTW).</p> <p>Three types of takings considered on an annual basis: actual, maximum, projected</p>	Appendix 6: p. 161 to 170, p. 183 to 184

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43			<ul style="list-style-type: none"> <li>○ Assessment of the maximum, actual and projected amounts of water taken annually from the watershed that do not require a permit under s.34 of OWRA</li> <li>○ Assessment of the purpose for which water is being taken (TR 19(10))</li> </ul>	15(2)(c) (iv)		19(10), 19(10.1)	Table	<p>This row in the checklist combines several similar requirements to report on takings that do not need a PTTW – Less than 50,000L per day and exempted takings.</p> <p>Three types of takings considered on an annual basis: actual, maximum, projected</p>	Appendix 6: p. 184 to 192
44		<input type="checkbox"/>	For groundwater within conceptual water budget						
45			<ul style="list-style-type: none"> <li>○ Assessment of groundwater aquifers, their direction of flows, and mapping of the water table and potentiometric surface(s).</li> </ul>	15 (2)(c)(ii)		19(5)	Map Text	<p>One or more maps can be used to express this: aquifer extent, water table, potentiometric surface(s), and ground water flow directions.</p> <p>The assessment should include estimates, if possible, of the inputs and outputs of the aquifer within the watershed/ subwatershed</p>	Appendix 6: p. 123 to 156

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46			<ul style="list-style-type: none"> <li>○ Assessment of wells</li> </ul>			19(6)	Table	<p>This should include DWSs in addition to those listed within the Watershed Characterization (TR 16(3)(a-d)), which would mean the inclusion of any surface water DWS that takes water for reasons other than drinking water, plus any DWS not listed in TR 3(b). SPCs are not expected to know where every DWS is located, but should use all available sources of information to identify intakes. Where information is not available, estimates can be made on the numbers of DWS and expected takings.</p> <p>One or more tables and maps can be used to express this: groundwater monitoring locations</p>	Appendix 6: p. 178 to 180, Section 2.3.5: p. 2-22 Section 2.3.6 p. 2-22 to 2-28
47			<ul style="list-style-type: none"> <li>○ Assessment of the maximum, actual and projected amounts of water taken-annually from the watershed that require a permit under s. 34 of OWRA</li> <li>○ Assessment of the purpose for which water is being taken (TR 19(8))</li> </ul>	15(2)(c) (iii)		19(8), 19(10.1)	Table	<p>This row in the checklist combines several similar requirements to report on permitted takings (takings that are authorized with a PTTW).</p> <p>3 types of takings considered on an annual basis: actual, maximum, projected</p>	Appendix 6: Tables 53-57, Figures 70, 71, Section 3.6

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48		<ul style="list-style-type: none"> <li>○ Assessment of the maximum, actual and projected amounts of water taken annually from the watershed that do not require a permit under s.34 of OWRA</li> <li>○ The purpose for which water is being taken as per (TR 19(10))</li> </ul>	15(2)(c) (iv)		19(8), 19(10), 19(10.1)	Table	<p>This row in the checklist combines several similar requirements to report on takings that do not need a PTTW – Less than 50,000L per day and exempted takings.</p> <p>3 types of takings considered on an annual basis: actual, maximum, projected</p>	Appendix 6: Table 63-66 Section 3.6.5
49		<ul style="list-style-type: none"> <li><input type="checkbox"/> Assessment of the interactions between groundwater and surface water</li> <li><input type="checkbox"/> Description of any interrelationships between the component elements of the conceptual water budget</li> </ul>			19(7), 9(2)(d)	Text Map	<p>Where appropriate, reference existing maps in other sections of the AR; must include maps showing:</p> <ul style="list-style-type: none"> <li>- ground water discharge areas</li> <li>- ground water recharge areas</li> </ul> <p>Recommend text describing, where information is available, volumes of water moving through discharge and recharge areas, and the relevance of these areas to other features (i.e. fish habitat)</p>	Appendix 6: Map 24, p. 193 to 201
50		<ul style="list-style-type: none"> <li><input type="checkbox"/> Assessment of the trends related to any items listed in TR 19(3 – 11)</li> </ul>			19(12)	Text	At a minimum describe trends in water quantity for surface and ground water.	Appendix 6: p. 193 to 212
51		<ul style="list-style-type: none"> <li><input type="checkbox"/> Climate and climate change</li> </ul>						

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52			<ul style="list-style-type: none"> <li>○ Assessment of the climate of the area including historical trends and existing projections related to changes in the climate</li> </ul>			19(13)	Text	Assessment of any available information including: <ul style="list-style-type: none"> <li>- climate stations with average annual precipitation</li> <li>- precipitation distribution</li> <li>- areas for climate stations</li> <li>- metrological zones</li> <li>- evapotranspiration</li> <li>- long term temperature and precipitation trends and averages (historical or projected)</li> </ul>	Appendix 6: p. 31 to 64
53			<ul style="list-style-type: none"> <li>○ Potential impacts climate change over the next 25 years will have on conclusions, and list of information sources used for the discussion</li> </ul>			9(2)(e)	Text	Based on the information from 19(13) and the analysis undertaken to complete the AR, the understanding of the effects climate change may have on the conclusions of the AR. For example, would the water budget change, would vulnerable areas change? Refer to Technical bulletin "Climate Change and the Director's Technical Rules"	
54	<input type="checkbox"/> <b>Tier 1 Water Budget for each subwatershed</b>			15(2)(c) (i)		20		See below for anticipated minimum format for individual requirements for water budget tiers.	Section 3.2.6, Table 3-2 p. 3-10
54A		<input type="checkbox"/> Quantify the amount of water that enters and leaves the watershed							

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55	<input type="checkbox"/>	Results of every calculation, assessment and assignment required by Parts III.3, III.4 and IX			9(3)(b)	Text		Section 3
56	<input type="checkbox"/>	Quantify actual amounts of water taken annually and the projected annual takings of water from the watershed that <ul style="list-style-type: none"> <li><input type="checkbox"/> require a permit under s. 34 of OWRA</li> <li><input type="checkbox"/> do not require a permit</li> </ul>	15(2)(c) (iii), 15(2)(c) (iv)		19(8), 19(10), 19(10.1)		If new information is obtained that updates information obtained for the conceptual water budget, this section should describe the updated information and the sources of that new information.	Section 3.2.5, p. 3-5 to 3-8, Table 3-1
	<input type="checkbox"/>	Maximum annual quantity of water that a person is permitted to take under the permit and the purpose for which water is being taken (TR 19(8))						
	<input type="checkbox"/>	Annual quantity of water taken and the purpose for which water is being taken for which a permit has not been issued (TR 19(10))						

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57	<input type="checkbox"/> subwatersheds delineated and stress levels assigned to <u>surface water</u> subwatersheds			9(1)(c) (v), 9(3)(d), 21, 31, 32	Table Text Map	One or more maps, tables and text to describe the following: <ul style="list-style-type: none"> <li>- surface water values for supply, demand and reserve and methods used to calculate these values</li> <li>- maximum monthly surface water stress levels with surface water intakes</li> <li>- future maximum monthly surface water stress levels with surface intake systems</li> <li>- table identifying maximum stress levels, municipal systems and decision to advance to tier 2</li> <li>- documented historical inability to meet demand</li> </ul>	Appendix 1: Map 3-1 to Map 3-6, Section 3.2 p. 3-3 to 3-10, Section 3.4 p. 3-13 to 3-20

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58	<input type="checkbox"/> subwatersheds delineated and stress levels assigned to <u>groundwater</u> subwatersheds			9(1)(c) (v), 9(3)(d), 21, 31, 33	Table Text Map	One or more maps, tables and text to describe the following: <ul style="list-style-type: none"> <li>- monthly groundwater values for supply, demand and reserve and methods used to calculate these values</li> <li>- maximum monthly groundwater stress levels with water well systems</li> <li>- future maximum monthly surface water stress levels with groundwater systems</li> <li>- annual groundwater stress levels with water well systems</li> <li>- future annual groundwater stress levels with water well systems</li> <li>- table identifying maximum stress levels, municipal systems and decision to advance to tier 2</li> <li>- documented historical inability to meet demand</li> </ul>	Appendix 1: Map 3-1 to Map 3-6, Section 3.3 p. 3-3 to 3-10, Section 3.4 p. 3-13 to 3-20
59	<input type="checkbox"/> Discussion of uncertainty factors assigned and analysis conducted in TR 36			9(2)(f), 34(2)(f) (ii), 35(2)(h) (ii)	Text		Section 3.4.1: p. 3-20

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60	<input type="checkbox"/> If needed: Tier 2 Water Budget				22, 24	Text	Note: Rule 22 replaced in new TR	
61		<input type="checkbox"/> Results of every calculation, assessment and assignment required by Parts III.3, III.4 and IX			9(3)(b)	Text		Section 3
62		<input type="checkbox"/> Discussion of uncertainty factors assigned and analysis conducted in TR 36			9(2)(f), 34(2)(f) (ii), 35(2)(h) (ii)	Text		Section 3.4.1: p. 3-20
63		<input type="checkbox"/> Quantify actual amounts of water taken annually and the projected annual takings of water from the watershed that <ul style="list-style-type: none"> <li>○ require a permit under s. 34 of OWRA</li> <li>○ do not require a permit</li> </ul> <input type="checkbox"/> maximum annual quantity of water that a person is permitted to take under the permit and the purpose for which water is being taken (TR 19(8)) <input type="checkbox"/> annual quantity of water taken and the purpose for which water is being taken for which a permit has not been issued (TR 19(10))	15(2)(c) (iii), 15(2)(c) (iv)		19(8), 19(10), 19(10.1)	Table	If new information is obtained that updates information obtained for the Tier 1 budget, this section should describe the updated information and the sources of that new information.	Section 3.2.5, p. 3-5 to 3-8, Table 3-1

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64	<input type="checkbox"/> subwatersheds delineated and stress levels for each <u>surface water</u> subwatershed assigned a significant or moderate stress level from Tier 1 and from which an existing or planned Type I, II or III system takes water			9(1)(c) (v), 9(3)(d), 23 – 25, 31, 34	Table Text Map	Include one or more of the following: <ul style="list-style-type: none"> <li>- Summary table for refined monthly surface water values for supply, demand and reserve and methods to calculate these values</li> <li>- Maximum monthly surface water stress levels with surface intake systems</li> <li>- Future maximum monthly surface water stress levels with surface intake systems</li> <li>- Table with maximum stress levels, municipal systems, and decision to advance to tier 3</li> <li>- Documented historical inability to meet demand</li> </ul>	Appendix 1: Map 3-1 to Map 3-6, Section 3.2 p. 3-3 to 3-10, Section 3.4 p. 3-13 to 3-20

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65	<input type="checkbox"/> Subwatersheds delineated and stress levels for each <u>groundwater</u> subwatershed assigned a significant or moderate stress level from Tier 1 and from which an existing or planned Type I, II or III system takes water			9(1)(c) (v), 9(3)(d), 23 – 25, 31, 35	Table Text Map	Include one or more of the following: <ul style="list-style-type: none"> <li>- Summary table for refined monthly groundwater values for supply, demand and reserve and methods to calculate these values</li> <li>- Maximum monthly groundwater stress levels with groundwater well systems</li> <li>- Future maximum monthly groundwater stress levels with groundwater well systems</li> <li>- Annual groundwater stress levels with well systems</li> <li>- Future annual groundwater stress levels with well systems</li> <li>- Table with maximum stress levels, municipal systems and decision to advance to tier 3</li> <li>- Documented historical inability to meet demand</li> </ul>	Appendix 1: Map 3-1 to Map 3-6, Section 3.2 p. 3-3 to 3-10, Section 3.4 p. 3-13 to 3-20

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66	<input type="checkbox"/> <b>If needed: Tier 3 Water Budget For Each Local Area</b>  <input type="checkbox"/> If information required to delineate a local area or to complete Tier 3 as per TR 29 and 30 cannot be readily ascertained, include <ol style="list-style-type: none"> <li>1. a plan with a work schedule to ascertain information necessary to delineate the local area or complete the Tier 3 water budget, and additional work that must be carried out as a result of ascertaining this information; and</li> <li>2. if, after completing the work the SPC becomes aware that the AR is no longer accurate or complete, an estimate of the date when SPC expects an updated AR and submitted to the Director under section 19 of the Act.</li> </ol>			30, 30.1	Text	Include refined integrated understanding in tier 3 water budget, if being undertaken  Work with your Liaison Officer to determine date an updated AR will be required.	Section 3.3.4 p. 3-12 Section 9 Table 9-1 p. 9-4
67	<input type="checkbox"/> Results of every calculation, assessment and assignment required by Parts III.3, III.4 and IX			9(3)(b)	Text		
68	<input type="checkbox"/> Discussion of uncertainty factors assigned and analysis conducted in TR 108 – 109			9(2)(f)	Text		

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69	<input type="checkbox"/> Quantify actual amounts of water taken annually and the projected annual takings of water from the watershed that <ul style="list-style-type: none"> <li>○ require a permit under s. 34 of OWRA</li> <li>○ do not require a permit</li> </ul> <input type="checkbox"/> maximum annual quantity of water that a person is permitted to take under the permit and the purpose for which water is being taken (TR 19(8))	<input type="checkbox"/> annual quantity of water taken and the purpose for which water is being taken for which a permit has not been issued (TR 19(10))	15(2)(c) (iii), 15(2)(c) (iv)		19(8), 19(10), 19(10.1)		If new information is obtained that updates information obtained for the Tier 2 budget, this section should describe the updated information and the sources of that new information.	
70	<input type="checkbox"/> Local areas/ IPZ-Q delineated for <u>surface water intakes</u> taking water from a subwatershed identified with a stress level of significant or moderate in tier 2				26, 28, 29, 76-78	Map Table	Water quantity vulnerability maps IPZ-Q	
71		<input type="checkbox"/> Risk Levels for each delineated local area – <u>surface water</u>			7(1), 9(1)(c) (vi), 9(3)(d), 97 – 107	Table Map	Local area risk level (significant, moderate or low)	
72	<input type="checkbox"/> Local areas/ WHPA-Q2/WHPA-Q2 delineated for <u>groundwater wells</u> taking water from a subwatershed identified with a stress level of significant or moderate in tier 2				27, 28, 29, 53 – 54	Map Table	Water quantity vulnerability maps WHPA Q1 and Q2	

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73		○ Risk Levels for each delineated local area – <u>groundwater</u>			7(1), 9(1)(c) (vi), 9(3)(d), 97 – 107	Table Map	Local area risk level (significant, moderate or low)	
74	<input type="checkbox"/>	Based on information in the water budget describe any existing or anticipated water shortages in the watershed	15(2)(c) (v)			Text	Include the conclusions for this requirement for tier 3, if completed for water budget	
75	<input type="checkbox"/>	<b>Threats for drinking water – quantity</b>					Only require threats and issues component when undertaking a tier 3 water budget	
76		<input type="checkbox"/> List Activities						
77		○ List of activities that are or would be drinking water threats (quantity)			110-113, 7(2)	Table Text	Reference list of threats in s.1.1 of regulation 287/07	
78		<input type="checkbox"/> List circumstances						
79		○ List circumstances for <u>significant, moderate and low</u> drinking water threats (quality)		13(1)(3) 13(1)(4) 13(1)(5)		Table Text	Circumstances are required to be listed for (1) prescribed drinking water threats where the tables of drinking water threats are identified by the province; (2) local circumstances for prescribed threats (which were not identified in number 1); and (3) circumstances associated with locally determined drinking water threats that have been approved by the Director.	

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80	<input type="checkbox"/>	Identifying areas where activities or conditions are significant, moderate or low (quantity)						
81		<input type="checkbox"/> Areas where activities are or would be <u>significant</u> drinking water threats (existing and future) (quantity)	15(2)(h) (i)		8(3), 9(1)(c) (ix), 127	Map Text		
82		<input type="checkbox"/> Areas where activities are or would be <u>moderate</u> drinking water threats (existing and future) (quantity)		13(1)(2) (i)	8(3), 9(1)(c) (ix), 132, 134, 134.1, 134.2	Map Text		
83		<input type="checkbox"/> Areas where activities are or would be low drinking water threats (existing and future) (quantity)		13(1)(2) (ii)	8(3), 9(1)(c)(ix), 135, 137	Map Text		
84	<input type="checkbox"/>	Enumeration of significant drinking water threats (quantity)						
85		<input type="checkbox"/> Number of locations at which a person is engaging in an activity that is or would be a significant drinking water threat		13(1)(6) (i)	9(1)(e)	Table Text	For considerations in enumerating threats refer to the threats and issues guidance documentation.	

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<b>VULNERABILITY COMPONENT</b>							
86	<input type="checkbox"/> Information sources for data used in developing the AR and the purposes for which it was used			9(2)(a)	Table	For vulnerability section(s) of AR	Section 4.3.1 p. 4-4, Section 4.4 p. 4-28, Section 4.5 p. 4-31
87	<input type="checkbox"/> Methods of analysis applied to data			9(2)(b)	Text	For vulnerability section(s) of AR	Section 4.3.2 p. 4-5, Section 4.3.3 p. 4-6, Section 4.3.5 p. 4-8 to 4-11, Section 4.3.5.2 p. 4-23, Section 4.3.6 p. 4-26, Section 4.4 p. 4-27 to 4-31, Section 4.5 p. 4-31 to 4-32
88	<input type="checkbox"/> Limitations in respect of TR 9 (2)(a & b) (information sources and methods of analysis)			9(2)(c)	Text	For vulnerability section(s) of AR	Section 4.6: p. 4-32, Section 3.6 p. 3-22
88A	<input type="checkbox"/> Uncertainty analysis			13 – 14	Text	For vulnerability section(s) of AR	Appendix 13, Section 4.3.6 p. 4-26, Section 4.4.1 p. 4-31, Section 4.5.1 p. 4-32
89	<input type="checkbox"/> Qualitative description of geophysical and hydrodynamic settings across the source protection area including information to support the delineation of HVA, SGRA, WHPA			5(1)	Text	Preamble/context to vulnerability section of AR	Section 3.2: p. 3-3 to 3-10, Section 3.3: p. 3-10 to 3-12 Section 2: p. 2-4 to 2-6

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90	<input type="checkbox"/> Groundwater vulnerability assessment across the source protection area			5(2), 37, 38, 38.1, 38.2, 9(1)(c)(i)	Map Text	<p>Indicate which of the four methods was used to determine groundwater vulnerability.</p> <p>Note: If a well in the ToR draws water from a deeper confined or protected aquifer the SPC may choose to use a deep aquifer vulnerability method to assign the groundwater vulnerability. This groundwater vulnerability can be used in assigning the WHPA vulnerability score. If this is the case, the SPC must also use a shallow aquifer groundwater vulnerability method to assign the groundwater vulnerability for the highly vulnerable aquifer (HVA). At this time, the two methods of assigning groundwater vulnerability must be mapped.</p> <p>If an SPC or their representatives have used two different methods of assigning groundwater vulnerability for reasons other than the consideration of a confined or deeper aquifer, and they select one method or a combined method, they are only required to map the chosen method to assign the groundwater vulnerability.</p>	<p>Section 4.3.5 p. 4-8 to 4-10, Section 4.4 p. 4-27, Section 4.5 p. 4-31</p> <p>Appendix 1 Map 4-1-1 to 4-1-23, Map 4-2-1, Map 4-3-1, Map 4-3-2</p>

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91	<input type="checkbox"/>	<b>Delineate Highly Vulnerable Aquifers</b>	15(2)(d)		5(3), 43, 43.1	Map Text		Section 4.4 p. 4-27  Appendix 1 Map 4-3-1, Map 4-3-2
92		<input type="radio"/> Vulnerability scores for HVA			8(1), 79, 9(1)(c)(iv)	Map Text		Section 4.4 p. 4-30 Appendix 1 Map 4-3-2
93	<input type="checkbox"/>	<b>Delineate Significant Groundwater Recharge Areas</b>	15(2)(d)		5(3), 44-46	Map Text	Include one or more of the following as required for the source protection area: - tier 1 SGRA map - refined tier 2 SGRA map - refined tier 3 SGRA map	Section 4.5 p. 4-31  Appendix 1 Map 4-2-1, Map 4-2-2, Map 4-3-1
94		<input type="radio"/> Vulnerability scores for SGRA			8(1), 9(1)(c)(iv), 80, 81	Map Text		Section 4.5, p. 4-31 to 4-32 Appendix 1 Map 4-2-2

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95	<input type="checkbox"/>	<b>Delineate Wellhead Protection Areas for drinking water systems in Terms of Reference</b>	15(2)(e)		5(3), 42, 47 – 54, 50.1	Map Text	Indicate which of the four methods was used for WHPA modelling.  Work with your Liaison Officer to determine date an updated AR will be required.	Section 4.3.5 p. 4-8 to 4-10, Section 9 Table 9-1 p. 9-4	
	<input type="checkbox"/>	Where information needed to delineate WHPA-E or WHPA-F cannot be ascertained, AR shall include;  1. a plan that includes a work schedule for ascertaining the information necessary, and  2. if necessary, an estimate of the date when the updated AR would be submitted to the Director.							
96		<input type="checkbox"/>	Vulnerability scores for WHPA's			8(1), 9(1)(c)(iv), 82 – 84	Map Text		Section 4.3.5.2 p. 4-23 Appendix 1 Map 4-5 and Map 4-6
97		<input type="checkbox"/>	Identification of transport pathways and elevation of vulnerability due to these pathways			39 – 41	Text Map	Describe why elevated due to transport pathways.	Section 4.3.5.1: p. 4-10 to 4-23
98	<input type="checkbox"/>	<b>Delineate Intake Protection zones</b>			5(4), 9(1)(c)(ii), 55-66, 68 –70	Map Text	For IPZ's work: Reference technical guidance on "How to score IPZ-1,2,3 "  TR 55.1: Director by written notice may classify an intake and the written notice shall be included in the AR	Not applicable	

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				CWA	REG 287/07	TECHNICAL RULES			
99			○ Classification of Intake Type as (A,B,C or D)			9(2)(b), 55	Map Text		Not applicable
100			○ Delineate IPZ-1 for drinking water systems in ToR	15(2)(e)		61-64	Map Text	Modification to IPZ-1 is possible if the modification is documented in the AR and a rationale is provided for the modification as per rule 64.	Not applicable
101			○ Delineate IPZ-2 for drinking water systems in ToR	15(2)(e)		65,66	Map Text	Brief summary of method used for IPZ-2 delineation.	Not applicable
102			○ Identification of the storm sewershed system for IPZ-2 with respect to every stormwater management works that may contribute to the intake			65(2)	Map Text	Brief summary of method used for sewershed system. When delineating the IPZ-2 into a sewershed, the time of travel must be considered.	Not applicable
103			○ Identification of transport pathways and incorporation into the IPZ-2 delineation			72-75	Map Text	Can include natural or anthropogenic transport pathways. At the discretion of the SPC, time of travel may be considered when determining the extent of the IPZ-2 into transport pathways other than sewersheds.	Not applicable

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				CWA	REG 287/07	TECHNICAL RULES			
104			○ Delineate IPZ-3	15(2)(e)		68-7074	Map Text	Differences in delineations in rules 68 and 70 depending on type of intake.  It is not mandatory to delineate this area for intake covered by rule 68.	Not applicable
105			○ Identification of transport pathways and incorporation into the IPZ-3 delineation			72-75	Map Text	Can include natural or anthropogenic transport pathways.	Not applicable
106			○ Vulnerability scores for IPZ-1,2, and 3			8(2), 9(1)(c)(iv), 86 – 96	Table Text Map	Documentation of how area vulnerability factors and source vulnerability factors have been determined is required (TR 92, 95). May want to consider including some information in an appendix. No scoring for IPZ-3 for Type A and B systems. Maps for scoring and delineation does not have to be separate – could combine requirements in the same map.	Not applicable
<b>DRINKING WATER THREATS – WATER QUALITY</b>									
107	<u>Threats Approach</u>							refer to threats and issues training documentation	
108	<input type="checkbox"/> List threats								

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109		○ For each vulnerable area, list of prescribed activities that are or would be drinking water threats	15(2)(g) (i)	1.1	7(3), 118	Table Text	Required to list in the AR those activities prescribed in regulation that are now or could in the future impact the source of drinking water. In AR reference the list of threats in s.1.1 of Regulation 287/07.	Appendix 10 Section 7.2.3 to 7.2.25 (p. 7-21 to 7-41)
110		○ For each vulnerable area, list of local activities that are or would be drinking water threats	15(2)(g) (i)		7(3), 119 – 122, 125	Table Text	These are locally based activities other than those already listed in regulation as prescribed drinking water threats. Must be listed separately from the prescribed activities. Local activities are those in the opinion of the Director can be added as activities that may be a drinking water threat. Include the Director's opinion letter in your AR or appendix to AR or as directed by the Director.	
		○ Hazard rating approved by Director must be listed for each local circumstance						
111		○ List conditions that result from past activities and are drinking water threats (quality)	15(2)(g) (ii)		7(4), 9(3)(c), 126, 139	Table Text	See TR 126 for details on including conditions. Hazard rating must be listed for conditions ( <u>see TR 139</u> ).	Potential conditions in Section 6.2 p. 6-7. Findings will be part of an amended assessment report; see Section 9 Table 9-1 p. 9-2

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112	<input type="checkbox"/> <b>List circumstances (threats approach)</b> <ul style="list-style-type: none"> <li>○ When identifying the circumstances in which an activity is or would be a significant, moderate, or low drinking water threat the AR may refer to the applicable parts of the Table of Drinking Water Threats that makes an activity a significant, moderate or low drinking water threat</li> </ul>			118.1		<p>These next three steps require a table or reference to tables of circumstances. It includes existing or future circumstances.</p> <p>Should the province release standard threats tables with a list of circumstances based on vulnerable area, vulnerability score, and whether it is a chemical, pathogen, or DNAPL threat – these tables can be used to meet the requirements of the rules (see row 117).</p> <p>Where the circumstances apply to a new threat, or the circumstance is a new circumstance under a prescribed threat, the SPC must also provide the hazard score provided by the Director when the local threat/circumstance was approved.</p> <p>Circumstances are required to be listed for:</p>	Appendix 10
113	<ul style="list-style-type: none"> <li>○ List circumstances for <u>significant, moderate and low</u> drinking water threats (prescribed circumstances for prescribed threats)</li> </ul>		13(1)(3) 13(1)(4) 13(1)(5)		Tables or references to tables	<p>(1) prescribed drinking water threats (where the tables of drinking water threats are identified by the province);</p>	Appendix 10

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114		○ List of circumstances for activities that are <u>significant, moderate and low</u> drinking threats (local circumstances for prescribed threats)		13(1)(3) 13(1)(4) 13(1)(5)	As enabled by TR 128, 133, 136	Tables or references to tables	(2) local circumstances for prescribed threats (which were not identified in number 1);	
115		○ List of circumstances for activities that are <u>significant, moderate and low</u> drinking water threats (local circumstances for local threats)		13(1)(3) 13(1)(4) 13(1)(5)	As enabled by TR 119-122, 125	Tables or references to tables	(3) circumstances associated with locally determined drinking water threats that have been approved by the Director.	
116	<input type="checkbox"/>	<b>Identifying areas where activities or conditions are or would be significant, moderate or low (quality) (threats approach)</b>					These sections require that the SPC produce maps that can be linked to the tables required in rows 113-115 to demonstrate the specific areas where any activity/circumstance is significant, moderate, or low. The maps and tables must allow a landowner to be able to determine whether they are significant, moderate or low, not just that they could be.	See below

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117	<ul style="list-style-type: none"> <li>○ Areas where activities that are or would be <u>significant, moderate and low</u> drinking water threats (existing and future) (quality)</li> </ul>	15(2)(h) (i)	13(1)(2) (i), 13(1)(2) (ii)	8(4), 9(1) (c)(ix), 127 - 129, 132 – 137	Map Text Table	<p>Recommendation is to have maps for chemical, pathogenic, and DNAPL threats. Refer to technical bulletins for further advice.</p> <p>May wish to combine with maps for vulnerability scoring greater than 4 (except for DNAPLs in groundwater). The province has set out the circumstances and vulnerability under which an activity is a significant, moderate or low drinking water threat. Explain in text the interpretation of the map of vulnerability scores and the tables of circumstances together that give the areas where activities are significant, moderate or low.</p>	Section 7.2.3 to 7.2.25 (p. 7-21 to 7-41) Appendix 1: Maps 7-3-1 to 7-3-23, Appendix 10
118	<ul style="list-style-type: none"> <li>○ Areas where <u>conditions</u> that result from past activities and listed as drinking water threats are <u>significant, moderate or low</u></li> </ul>	15(2)(h) (ii)	13(1)(2) (iii) and 13(1)(2) (iv)	8(5), 9(1) (c)(x), 138- 140, 140.1, 142-143, 142.1	Map Text	<p>May wish to combine with maps for vulnerability scoring greater than 4.</p> <p><a href="#">Note: changes to TR 138-143</a></p>	Potential conditions in Section 6.2 p. 6-7. Findings will be part of an amended assessment report; see Section 9 Table 9-1 p. 9-2

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119	<b><u>Issues Approach</u></b>					An issue can be linked to any drinking water system, including private systems within a vulnerable area. It is not limited to municipal systems listed in the ToR. Refer to the technical bulletin on identifying threats.	
120	<input type="checkbox"/> For drinking water issues identified in accordance with TR 114, and for which there are anthropogenic causes, include a description of drinking water issues in each of the vulnerable areas: <ul style="list-style-type: none"> <li>○ List parameter of concern</li> <li>○ List the well, intake, or monitoring well at which the issue occurred</li> <li>○ Issue Contributing Area</li> <li>○ Identification of the drinking water threats (TR 118, 119 or 126) that contribute or may contribute to the parameter or pathogen of concern</li> </ul>	15(2)(f)		6, 9(1)(c) (xii), 114-115, 131, 134.1	Text Table Map	<p>The SPC has flexibility In what they determine is an issue. If the SPC determines something is an issue that does not meet the tests in rule 114, then they are required to document information in the AR as per rule 115.1,</p> <p>If the issue meets the tests in rule 114, then they are required identify this in the AR.</p>	Section 5.5 Table 5-6, p. 5-11 to 5-14 Section 5.6 Table 5-7, p. 5-14 to 5-16
120A	<input type="checkbox"/> For drinking water issues not identified in accordance with TR 114, the description of the issue shall include <ul style="list-style-type: none"> <li>○ List parameter of concern</li> <li>○ Explanation of the nature of the issue and the possible causes of the issue</li> </ul>			115.1	Text or Table		

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121	<ul style="list-style-type: none"> <li>○ Where information specified by TR 115(3) or (4) cannot be readily ascertained, the AR shall include:                             <ol style="list-style-type: none"> <li>1. a plan and work schedule for ascertaining the information required in subrules 115(3) or (4), including any additional work that must be carried out as a result of ascertaining this information; and</li> <li>2. if, after completing the work the SPC becomes aware that the AR is no longer accurate or complete, an estimate of the date when the SPC expects an updated AR would be submitted to the Director under section 19 of the Act</li> </ol> </li> </ul>			116	Text Table	<p>For detailed contents of plan refer to threats and issues training documentation from MOE. Generally, a plan should include the work required as part of the plan, timeline for plan and who will undertake the work.</p> <p>Work with your Liaison Officer to determine date an updated AR will be required.</p>	<p>Section 5.6 Table 5-7, p. 5-14 to 5-16</p> <p>Section 9 Table 9-1 p. 9-3</p>
122	<input type="checkbox"/> <b>List circumstances (issues approach)</b>						

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			CWA	REG 287/07	TECHNICAL RULES			
123		○ List circumstances for significant or moderate drinking water threats (circumstances listed in the Tables of Drinking Water Threats for prescribed threats)		13(1)(3)	131.1, 134.2	Text Table Link to maps of ICA	The identification of threats and circumstances using the issues approach is different than the threats approach. The issues approach does not use the hazard score or align with the vulnerability scoring areas in the Tables of Drinking Water Threats. Instead, any threat (activity or condition) that is located in an issue contributing area, that can be linked to the chemical of concern (the issue) becomes a significant, or moderate threat as per Part XI.5 of the TRs.	
124		○ List of circumstances for activities that are <u>significant or moderate</u> drinking threats (for local circumstances for prescribed threats)			131.1, 134.2	Text Table, Link to maps of ICA		
125		○ List of circumstances for activities that are <u>significant or moderate</u> drinking water threats (for local circumstances for local threats)			131.1, 134.2	Text Table, Link to maps of ICA		
126	<input type="checkbox"/>	Identifying areas where activities or conditions which are or would be significant and moderate drinking water threats (quality) (issues approach)				Map Text	Under the issues approach threats are either significant or moderate.	
127		○ Areas where an activity is or would be a significant and moderate drinking water threat	15(2)(h) (i)		8(4), 9(1) (c)(xi), 131, 131.1 115(3)	Map Text	This is the Issue Contributing Area - Only issues identified under 114(1,2)	
128		○ Areas where conditions that result from past activities and listed as drinking water threats are or would be significant and moderate drinking water threats	15(2)(h) (ii)		8(5), 9(1) (c)(x), 141, 142.1 115(3)	Map Text	This is the Issue Contributing Area  <a href="#">Note: changes to TR 141 and 142.1</a>	

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			CWA	REG 287/07	TECHNICAL RULES			
129		○ Areas, activities or conditions that are located outside SPA boundaries, include a description of the issue and where it may be located			117	Text Map	Include a description of the drinking water issue and identify the SPA in which the SPC believes such activities or conditions may be located.	
130	<b><u>Event Based Approach</u></b>							
131	<input type="checkbox"/> <b>List threats (events based approach)</b>							
132		○ List of drinking water threats that are or would be identified through modelling approach (prescribed threats)	15(2)(g)	1.1	7(3), 9(2)(a-c), 130, 140.1	Text Table	Events based approach applicable to activities as well as conditions  Identified through a modelling approach or another method used in accordance with TR 15.1	
133		○ List of drinking water threats that are or would be identified through modelling approach (local threats)	15(2)(g)		7(3), 9(2)(a-c), 130, 140.1, 15.1	Text Table	Events based Approach applicable to activities as well as conditions  Identified through a modelling approach or another method used in accordance with TR 15.1	
134	<input type="checkbox"/> <b>List circumstances (events based approach)</b>							

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135		○ List the circumstances for activities that are prescribed threats and are <u>significant</u> drinking water threats based on modeling within the IPZ (prescribed circumstances for prescribed threats)		13(1)(3)	130 <u>15.1</u>	Text Table	The circumstances under which an activity is significant change as a result of the events based approach. Two additional circumstances must be added: 1. That the activity must be in the IPZ. 2. Modelling must show the activity can cause an issue at the surface water intake under an extreme event (TR 130).  Identified through a modelling approach or another method used in accordance with TR 15.1	
136		○ List the circumstances for activities that are prescribed threats and are <u>significant</u> drinking threats based on modeling within the IPZ (local circumstances for prescribed threats)			130 15.1	Text Table		
137		○ List the circumstances for activities that are local threats and are <u>significant</u> drinking water threats based on modelling within the IPZ (local threats)			130 15.1	Text Table		
138	<input type="checkbox"/>	Identifying areas where activities or conditions are significant drinking water threats (quality) (events based approach)			8(4), 130	Map Table Text	The area is the location where an activity is carried out.	
139	<input type="checkbox"/>	<b>Enumerating significant drinking water threats (quality) (all three approaches – threats, issues, events based)</b>						
140		○ Number of locations at which a person is <u>engaging in an activity that is or would be a significant</u> drinking water threat		13(1)(6)(i)	9(1)(e)	Table Text	For considerations in enumerating threats, refer to the threats and issues training from MOE.	Section 7.2.2, Tables 7-5 to 7-8, p. 7-17 to 7-20.
141		○ Number of locations at which a <u>condition listed as a significant</u> drinking water threat		13(1)(6)(ii)	9(1)(f)	Table Text		

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<b>OTHER REQUIRED COMPONENTS</b>							
142	<input type="checkbox"/> How the Great Lakes agreements were considered			9(2)(g)	Text		Section 8: p. 8-1 to 8-9
143	<input type="checkbox"/> Information sources for data used in developing the AR and the purposes for which it was used		14(1)	9(2)(a)	Table		Section 3.3.1 to 3.3.4 p. 3-10 to 3-12 Section 4.3.1 p. 4-4, Section 4.4 p. 4-28, Section 4.5 p. 4-31, Section 5.4 p. 5-9, Section 6 p.6-2, Section 7 Table 7-1 p. 7-2
144	Methods of analysis applied to data			9(2)(b)	Text		Section 3 p. 3-3 to 3-22, Section 4.3.2 p. 4-5, Section 4.3.3 p. 4-6, Section 4.3.5 p. 4-8 to 4-11, Section 4.3.5.2 p. 4-23, Section 4.3.6 p. 4-26, Section 4.4 p. 4-27 to 4-31, Section 4.5 p. 4-31 to 4-32, Section 5.3 p. 5-6 to 5-8, Section 6.1 p. 6-3 to 6-7, Section 7.1 p. 7-3 to 7-16
145	<input type="checkbox"/> Limitations in respect of TR 9 (2)(a & b) (information sources and methods of analysis)			9(2)(c)	Text		Section 9: p. 9-1 to 9-5
<b>CONSULTATION REQUIREMENTS</b>							
146	<b><u>Draft Assessment Report</u></b>					The AR should include text on how the SPC/SPA met the consultation requirements. An appendix to the AR could include examples of notices, letters to FN, municipalities, etc. Summary of comments considered should be a	Appendix 4 Section 1: p. 1-15 to 1-16.

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						document separate from the AR.	
147	<input type="checkbox"/> publish draft on internet		15(1)		Text	Internet posting example – not every posting needed.	Appendix 4
148	<input type="checkbox"/> make draft available for inspection by public at one or more locations, sufficient public access		15(1)		Text	Summary of posting dates, locations and name of publications.	Appendix 4
149	<input type="checkbox"/> publish notice in one or more newspapers, sufficient general circulation		15(2)(a)		Text	Summary of posting dates, locations and name of publications.	Appendix 4
150	<input type="checkbox"/> make notice available for public inspection at one or more locations, sufficient public access		15(2)(b)		Text	Summary of posting dates, locations and name of publications.	Appendix 4
151	<input type="checkbox"/> contents of notice <ul style="list-style-type: none"> <li>○ view draft on internet</li> <li>○ specific during times and locations to inspect draft</li> <li>○ date, times and locations of public meetings</li> <li>○ submit written comments to SPC by date specified in notice at least 35 days after newspaper notice published</li> </ul>		15(3)		Text	Newspaper notice example – not every notice needed.  The consultation period is required to be at least 35 calendar days in length.	Appendix 4
152	<input type="checkbox"/> give copy of notice to <ul style="list-style-type: none"> <li>○ Clerk in each municipality in ToR list</li> <li>○ Chief of bands</li> <li>○ Every person engaging in activities that are or would be a significant drinking water threat, listed in AR</li> <li>○ Chair of other SPCs that are listed in matters to discuss in ToR</li> </ul>		15(2)(c)		Text	Mailing lists to municipalities, bands, chair other SPCs (ToR linkage), GLs, LaMPs, RAPs.  Documentation of notice to every person engaging in activities that are or would be significant drinking water threats in the AR.	Appendix 4

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		CWA	REG 287/07	TECHNICAL RULES			
	<ul style="list-style-type: none"> <li>○ every person/body established under GLWQA, LaMPs, RAPs</li> </ul>					When providing a notice to persons engaging in activities that are or would be significant drinking water threats identify to that person why they are receiving the notice (i.e., that they are undertaking an activity that is or could be a significant drinking water threat).	
153	<input type="checkbox"/> at least one public meeting in the SPA at least 21 days after notice		15(4)		Text	Public meetings – dates, number per SPA	Appendix 4
154	<input type="checkbox"/> Finalizing proposed AR, consider <ul style="list-style-type: none"> <li>○ written comments submitted to SPC</li> <li>○ comments made at public meeting</li> </ul>		15(5)		Text	High level summary of comments received and how they impacted AR revisions to develop proposed AR should be developed and forwarded along with the AR to the ministry for consideration – not all individual comments should be submitted to the ministry.	Appendix 4
155	<b><u>Proposed Assessment Report</u></b>						This section will be filled when consultation on the proposed assessment report is complete
156	<input type="checkbox"/> Submission of proposed AR to SPA with <ul style="list-style-type: none"> <li>○ Summary of unresolved municipal comments</li> <li>○ Summary of unresolved first nation concerns</li> </ul>	16 (a)	16(1)		Transmittal Letter	Summary of unresolved comments from municipalities and bands must be sent to the ministry along with the AR. SPA should indicate clearly which comments are	

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		CWA	REG 287/07	TECHNICAL RULES			
						unresolved in relation to the regulatory requirements for contents of the AR.	
157	<input type="checkbox"/> SPC provide proposed AR to each municipality <input type="checkbox"/> SPC provide proposed AR and summary of unresolved first nation concerns to each band chief	16 (b)	16(1)			Mailing lists for municipalities and bands with an indication of the documentation provided to them.	
158	<input type="checkbox"/> SPC publish on internet and invite public to provide comments	16(c)			Text	Internet posting example	
159	<input type="checkbox"/> Submit comments within 30 days after internet posting		16(2)		Text	The consultation period is required to be at least 30 calendar days in length.	
160	<b><u>Proposed AR submission to Director</u></b>						This section will be filled when consultation on the proposed assessment report is complete
161	<input type="checkbox"/> SPA submit proposed AR to Director by 1st anniversary after ToR notice of approval posted to EBR		17(2)		Transmittal Letter to accompany AR and supporting documents	Transmittal Letter should include: -sent from the source protection authority to the Director - a reference to any unresolved comments from municipalities and bands - this checklist document with the last column completed that indicates the location or reference in the AR for each regulatory requirement -anticipated need for an updated AR and the timeline anticipated for delivery to the Director	

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		CWA	REG 287/07	TECHNICAL RULES			
						-any requested data requirements.	
162	<input type="checkbox"/> SPA submit proposed AR to Director with <ul style="list-style-type: none"> <li><input type="radio"/> Comments SPA makes</li> <li><input type="radio"/> Summary of unresolved municipal and band comments</li> <li><input type="radio"/> Written comments received by the SPA during 30-day consultation period</li> </ul>	17(1)	17(1)		Transmittal Letter	Summary of unresolved comments from municipalities and bands – must be an indication of what is unresolved.  Written comments received during 30-day consultation period – should be a summary of the comments in addition to hard copies.	
163	<input type="radio"/> Transmittal letter					This is not a regulatory requirement although it is recommended that the SPA include a letter that is addressed to the Director at MOE that accompanies the submitted AR. This letter can include a high level summary of how the regulatory requirements were met and the authority's comments on the AR.	
164	<input type="checkbox"/> SPA shall provide SPC with SPA comments on proposed AR and all written comments received during consultation period on proposed AR		17(1)		Text	Indication that SPC was provided with comments (SPA and during consultation period) – may indicate this in the submitted checklist.	

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### Glossary/Links

AR	Assessment Report	MOE	Ministry of the Environment
CA	Conservation Authority	RAPs	Remedial Action Plan
CWA	Clean Water Act, 2006 <a href="http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_06c22_e.htm">http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_06c22_e.htm</a>	REG	Regulation – General Regulation – 287/07 <a href="http://www.e-laws.gov.on.ca/html/regs/english/elaws_regs_070287_e.htm">http://www.e-laws.gov.on.ca/html/regs/english/elaws_regs_070287_e.htm</a>
DWS	Drinking water system	SPA	Source Protection Area
EBR	Environmental Bill of Rights – Environmental Registry	SPC	Source Protection Committee
FN	First Nations	Symbology	<a href="http://www.ene.gov.on.ca/en/water/cleanwater/cwadocs/MappingSym-bology.pdf">http://www.ene.gov.on.ca/en/water/cleanwater/cwadocs/MappingSym-bology.pdf</a>
GL	Great Lakes	Technical Bulletins	<a href="http://www.ene.gov.on.ca/en/water/cleanwater/cwa-technical-rules.php">http://www.ene.gov.on.ca/en/water/cleanwater/cwa-technical-rules.php</a>
GLWQA	Great Lakes Water Quality Agreement	ToR	Terms of Reference
ICA	Issue Contributing Area	TR	Technical Rules: Assessment Report, November 16, 2009 <a href="http://www.ene.gov.on.ca/en/water/cleanwater/cwadocs/Tech_Rules_For_Assessment_Report_16Nov09.pdf">http://www.ene.gov.on.ca/en/water/cleanwater/cwadocs/Tech_Rules_For_Assessment_Report_16Nov09.pdf</a>
LaMPs	Lakewide Management Plans		