

AGENDA

Mississippi-Rideau Source Protection Committee

February 3, 2011

1 pm

Rideau Valley Conservation Authority (3889 Rideau Valley Drive, Manotick)

1.0	Welcome and Introductions	Pg.	<i>Chair Stavinga</i>
	a. Agenda Review		
	b. Notice of Proxies		
	c. Adoption of the Agenda (D)		
	d. Declarations of Interest		
	e. Approval of Minutes – January 6, 2011 (D)		
	▶ draft minutes attached as a separate document		
	f. Status of Action Items – Staff Report Attached (D)	1	
	g. Correspondence (D):	3	
	• Keith Willson, MOE re: Receipt of our <i>Proposed</i> ARs		
2.0	Non-Agricultural Source Material Presentation (I)		<i>Benoit Lebeau (OMAFRA)</i>
	OMAFRA staff will outline how the storage and application of non-agricultural source material is currently regulated and existing best management practices		
3.0	Nutrient Management Act Implementation Presentation (I)		<i>Christian Grothe (MOE)</i>
	MOE staff will outline how requirements under the <i>Nutrient Management Act</i> are implemented and enforced		
4.0	Source Protection Plan – Staff Report Attached (D)	7	<i>Sommer Casgrain- Robertson</i>
	Members will consider approving a work plan to develop Source Protection Plan policies, including public input and consultation elements		
5.0	Assessment Report – Staff Reports Attached (D)		<i>Sommer Casgrain- Robertson & Brian Stratton</i>
	a. Members will receive a summary of the public comments received on the <i>Proposed</i> Assessment Reports (comments will be considered by the MOE)	11	
	b. Staff will provide an overview of proposed Assessment Report updates	13	
6.0	2011 Meeting Schedule – Staff Report Attached (D)	27	<i>Sommer Casgrain- Robertson</i>
	Members will consider a 2011 meeting schedule, including meeting locations		
7.0	Community Outreach – Staff Report Attached (D)	29	<i>Chair Stavinga</i>
	Members & staff report on past activities and upcoming events and opportunities		
8.0	Other Business		<i>Chair Stavinga</i>
9.0	Member Inquiries		<i>Chair Stavinga</i>
10.0	Next Meeting – March 3, 2011, 1pm		<i>Chair Stavinga</i>
	Rideau Valley Conservation Authority (Monterey Boardroom)		
	3889 Rideau Valley Drive, Manotick		
11.0	Adjournment		<i>Chair Stavinga</i>

(I) = Information (D) = Decision

Delegations: If you wish to speak to an item on the Agenda please contact Sommer Casgrain-Robertson before the meeting (sommer.robertson@mrsourcewater.ca or 613-692-3571 / 1-800-267-3504 x 1147)

1.0 f) STATUS OF ACTION ITEMS

Date: January 24, 2011
To: Mississippi-Rideau Source Protection Committee
From: Sommer Casgrain-Robertson, Co-Project Manager
Mississippi – Rideau Source Protection Region

Recommendation:

1. That the Mississippi-Rideau Source Protection Committee receive the Status of Action Items staff report for information.

Staff & Chair Action Items:

Issue		Action	Lead	Status
1	Vacant “Other Interest” seat on the MRSPC	Fill the vacancy on the MRSPC	Sommer Casgrain-Robertson	In Progress Interviews are planned for February so a new member should be in place for the March meeting
2	Vacant “City of Ottawa” seat on the MRSPC	Fill the vacancy on the MRSPC	City of Ottawa staff	In Progress City of Ottawa staff are in the process of filling this seat
3	Ottawa River Watershed Inter-Jurisdictional Committee	Encourage MOE to take the lead role in establishing an Ottawa River watershed inter-jurisdictional committee	Chair Stavinga & Brian Stratton	Ongoing Baird completed a proposal to refine Ottawa’s IPZ-2s and delineate IPZ-1s and IPZ-2s for Gatineau’s intakes.
4	Uranium	MVC and local Health Units work together to raise public awareness about naturally occurring uranium in drinking water	Sommer Casgrain-Robertson	In Progress Jean-Guy Albert will continue to encourage Health Canada to release their “Uranium and Drinking Water” fact sheet they developed.
5	Compensation Models	Staff to collect other compensation models (e.g. Ottawa wetland policy, Alternate Land Use Services).	Sommer Casgrain-Robertson	In Progress Staff will build this in to the Source Protection Plan work plan.

MRSPC Member Action Items:

Issue		Action	Lead	Status
1	Drainage Act is under review	Follow the process to see if it will impact source protection work	Peter McLaren & Richard Fraser	In Progress Peter and Richard are following the review and will inform the Committee of any concerns they have.
2	Members were concerned that attendance might be low at public open houses and groups who should be involved in the process are not	Members were asked to provide Sommer with contact information for groups they feel should be involved in the process – they will be added to our mailing list.	All Members	Ongoing
3	OFEC Conference Calls & Training Sessions	Richard Fraser will provide the MRSPC with updates on OFEC conference calls & training sessions	Richard Fraser	Ongoing
4	Community Outreach opportunities	Members to notify Sommer of potential events and opportunities to engage the public about source protection	All members	Ongoing

1.0 g) CORRESPONDENCE

Date: January 24, 2011
To: Mississippi-Rideau Source Protection Committee
From: Sommer Casgrain-Robertson, Co-Project Manager
Mississippi – Rideau Source Protection Region

Recommendation

That the Mississippi-Rideau Source Protection Committee receive the Correspondence for information.

Attached Correspondence:

Correspondence From:		Regarding:	Response:
1	Keith Willson, MOE December 22, 2010	Receipt of <i>Proposed</i> Assessment Reports	No response required

**Ministry of
the Environment**

Source Protection Programs
Branch

14th Floor
40 St. Clair Ave. West
Toronto ON M4V 1M2

**Ministère de
l'Environnement**

Direction des programmes de protection
des sources

14^e étage
40, avenue St. Clair Ouest
Toronto (Ontario) M4V 1M2



ENV1174IT-2010-308 & 309

December 22, 2010

Mark Burnham, Chair
Mississippi Valley Source Protection Authority
4175 Hwy 511, RR 2
Stittsville, Ontario
K2S 2A7

Alan Arbuckle, Chair
Rideau Valley Source Protection Authority
PO Box 599, 3889 Rideau Valley Drive
Manotick, Ontario
K4M 1A5

Dear Mr. Burnham and Mr. Arbuckle:

This letter is to acknowledge receipt of the Proposed Assessment Report documents for the Mississippi Valley and the Rideau Valley Source Protection Areas submitted in accordance with section 17(1) of the *Clean Water Act, 2006*, to the Ministry of the Environment on December 22, 2010. Upon completion of the ministry's review of the Proposed Assessment Report, Ian Smith, the Director of Source Protection Programs Branch, will provide you with a decision.

Ministry staff may be in contact with Source Protection Authority staff should additional information be required to support the ministry's review of the Proposed Assessment Reports. I encourage you to provide any necessary information in a timely manner to assist in the completion of the review as quickly as possible.

If you have any questions relating to the Assessment Report reviews and approvals process, please contact me at 416-314-0560 or keith.willson@ontario.ca.

Thank you for your submission of the Proposed Assessment Report and helping to ensure that Ontario's source waters are protected.

Sincerely,

Original Signed by

Keith Willson
Manager, Source Protection Approvals
Source Protection Programs Branch
Drinking Water Management Division

cc: Janet Stavinga, Chair, Mississippi-Rideau Source Protection Committee
Paul Lehman, General Manager, Mississippi Valley Source Protection Authority
Dell Hallett, General Manager, Rideau Valley Source Protection Authority
Brian Stratton, Co-Project Manager, Mississippi-Rideau Source Protection Region
Sommer Casgrain-Robertson, Co-Project Manager, Mississippi-Rideau Source
Protection Region
Mary Wooding, Liaison Officer, MOE

SP file:

ENV1174IT-**2010-308** (Mississippi Valley)
ENV1174IT-**2010-309** (Rideau Valley)

4.0 Source Protection Plan

Date: January 24, 2011
To: Mississippi-Rideau Source Protection Committee
From: Sommer Casgrain-Robertson, Co-Project Manager
Mississippi – Rideau Source Protection Region

Recommendation 1:

That the Mississippi-Rideau Source Protection Committee approve the Source Protection Plan Work Plan.

Background

Across Ontario, Source Protection Committees are working with municipalities, farmers, property owners, businesses, industries, First Nations, environmental groups, Provincial Ministries and the general public. Together they are developing policies to prevent the contamination or overuse of water sources – lakes, rivers and aquifers – that supply municipal drinking water systems. The goal is to ensure clean, plentiful drinking water, now and for future generations.

Most source protection policies will aim to safely manage those land use activities that could contaminate drinking water, although prohibition can be used as a tool of last resort. All policies will be compiled in documents called Source Protection Plans. The Mississippi-Rideau Source Protection Committee must develop two Source Protection Plans – one for the Mississippi Valley watershed and one for the Rideau Valley watershed.

Drinking Water Threats

Certain land use activities involving chemicals or pathogens (e.g. bacteria) are considered a drinking water threat if they take place close to a municipal well or upstream of a municipal water treatment plant intake. This is because a leak, spill or runoff could soak into the ground and contaminate groundwater or runoff property and contaminate a lake or river. If this happened near a municipal well or intake, municipal drinking water could become contaminated.

The province has determined that under certain circumstances the following land use activities are considered drinking water threats. To be a threat most of the activities below must involve a minimum amount of material, be occurring on a minimum size area and/or involve a certain type of chemical. All the circumstances are listed in a provincial table accessible on our website on the *Assessment Report* page. The drinking water threat categories are:

- Sewage storage, treatment, transmission or disposal
- Waste disposal sites or application of untreated septage to land
- Agricultural source material (e.g. manure) storage, management or application
- Non-agricultural source material (e.g. biosolids) storage, handling or application
- Farm animal pasturing, grazing, outdoor confinement areas or farm yards
- Pesticide storage, handling or application
- Fertilizer storage, handling or application
- Fuel storage or handling
- Organic solvents storage or handling
- Dense Non-aqueous Phase Liquids (DNAPLSs) storage or handling
- Road salt storage, handling or application
- Snow storage
- Airplane de-icing

Significant Drinking Water Threats

Maps have been developed showing vulnerable areas around municipal wells (Wellhead Protection Areas) and upstream of municipal surface water intakes (Intake Protection Zones). The land use activities listed above are considered drinking water threats if they are taking place on land in these vulnerable areas.

Some of the land use activities above are considered significant drinking water threats if they are taking place on property within the most vulnerable sections of a Wellhead Protection Area or Intake Protection Zone (typically closest to the municipal well or intake pipe). These most vulnerable sections cover only 3% of the Mississippi Valley and Rideau Valley watersheds. Maps showing these areas can be viewed on our website on the *Assessment Report* page.

Source Protection Plan Policies

Source Protection Plans:

- Must contain policies to address significant drinking water threats; and
- May contain policies to address moderate and/or low drinking water threats.

Policies can address significant drinking water threats using one or more of the following tools:

- Education and Outreach
- Incentives
- Monitoring
- Provincial instruments (site specific approvals issued by the Province)
- Land use planning restrictions or requirements
- Risk management strategies
- Prohibition

Developing Source Protection Plans

The *Clean Water Act* and its regulations set out how Source Protection Plans must be developed:

- Issue a Notice of Commencement to:
 - All municipalities
 - People believed to be engaging in a significant drinking water threat
- Engage affected people/bodies in policy development
 - People/bodies believed to be engaging in a significant drinking water threat
- Pre-consultation with potential implementers
 - Could include provincial Ministries, municipalities, Conservation Authorities...
 - Provide draft policy wording and rationale and request written comments
- Post *Draft* Source Protection Plans
 - 35 day comment period
 - public meetings
- Post *Proposed* Source Protection Plans
 - 30 day comment period
- Submit *Proposed* Source Protection Plans to MOE

Work Plan

The following work plan has been developed to create Source Protection Plans for the Mississippi Valley and Rideau Valley watersheds. The key steps may not occur in exact sequence as it is necessary for some steps to occur simultaneously given the short timeline to complete Source Protection Plans. The order the steps are carried out will depend on the threat and which stakeholders, potential implementers and affected persons/bodies are involved.

Work Plan – Key Steps		Policy Status
1	Municipal Working Group <ul style="list-style-type: none"> Municipal involvement early in policy development is critical because: <ul style="list-style-type: none"> policies are being developed to protect the sources of water supplying their municipal drinking systems; and municipalities will likely be the implementer of many policies Six meetings will be held to work through the list of drinking water threats (each meeting will have a theme – agriculture, residential, industry/small business, commercial, municipal, other) The municipal working group is open to all municipal staff At each meeting municipal staff will have an opportunity to learn about specific drinking water threats and brainstorm and suggest policy ideas Different SPC members will also attend the meetings (based on the theme) to facilitate the break-out sessions 	Policy Ideas
2	Source Protection Committee Working Group <ul style="list-style-type: none"> Once a threat has been tackled by the municipal working group it is important that SPC members have an opportunity to brainstorm policy ideas in small break-out groups SPC working group sessions will be held prior to regular SPC meetings on the same day (in the morning Oct to April and early afternoon May to Sept) These sessions will be open to all SPC members Working group sessions will likely be held throughout 2011 to get policy concepts and draft policies developed for SPC consideration at meetings 	
3	Experts <ul style="list-style-type: none"> In addition to input from the two working groups, source water staff will also seek input from sector experts (municipalities, agencies, academic, industry) Their detailed knowledge about a particular threat, current best management practices, industry standards and regulations will be used to identify feasible policy ideas 	
4	Source Protection Committee <ul style="list-style-type: none"> An expert or staff member will introduce each new drinking water threat (definition, current regulations / practices, where it is a significant drinking water threat, number of existing threats and available policy tools) Staff will then recommend a policy concept based on input from the two working groups and experts The Committee will be asked to consider this recommendation and approve a policy concept 	Policy Concepts
5	Source Protection Authorities <ul style="list-style-type: none"> Each time the SPC approves a policy concept, it will be presented to the SPAs for their review and input The SPAs will also be informed about how potential implementers and affected persons/bodies will be involved in the next steps of policy development (who, when and how) 	

Work Plan – Key Steps		Policy Status
6	Engagement of Affected Persons/Bodies <ul style="list-style-type: none"> Input on approved policy concepts will be sought from persons/bodies believed to be engaging in a significant drinking water threat (e.g. themed open houses: residential, agriculture, industry, municipal) 	Policy Concepts
7	Pre-Consultation with Potential Implementers <ul style="list-style-type: none"> Approved policy concepts will be sent to agencies/bodies identified as the potential implementer for their review and input Potential implementers could include municipalities, Provincial Ministries and conservation authorities. 	
8	Draft Source Protection Plans <ul style="list-style-type: none"> The SPC will review and consider all input received from potential implementers and affected persons/bodies – they will revise policy concepts where possible to address concerns The SPC will be asked to approve draft policies for inclusion in their Draft Source Protection Plans Once all draft policies are approved, Draft Source Protection Plans will be posted for public consultation (35 day comment period and public meetings) Persons/bodies believed to be engaging in a significant drinking water threat will be invited to comment and attend the public meetings 	Draft Policies
9	Proposed Source Protection Plans <ul style="list-style-type: none"> The SPC will review and consider all input received on the Draft Source Protection Plans – they will revise draft policies where possible to address concerns The SPC will be asked to approve Proposed Source Protection Plans which will be posted for another public consultation phase (30 day comment period) The Proposed Source Protection Plans will be submitted to the SPAs, who in turn will submit them to the Ontario Ministry of the Environment along with any comments received during the public consultation period 	Proposed Policies

Schedule

A preliminary schedule is being developed that will show when each step will be undertaken for each drinking water threat. A general timeline is provided below.

		2011												2012							
	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
Policy Ideas																					
Policy Concepts																					
Draft Policies																					
Proposed Policies																					

5.0a Assessment Report
Comments Received on Proposed Assessment Reports

Date: January 24, 2011
To: Mississippi-Rideau Source Protection Committee
From: Sommer Casgrain-Robertson, Co-Project Manager
 Mississippi – Rideau Source Protection Region

Recommendation 1:

That the Mississippi-Rideau Source Protection Committee receive the summary of comments received on the Proposed Assessment Reports.

Background

Proposed Assessment Reports for the Mississippi Valley and Rideau Valley watersheds were posted for public consultation on November 19, 2010. The public was invited to submit comments by December 20, 2010. Five comment submissions were received and they were submitted to the Ontario Ministry of the Environment along with the Proposed Assessment Reports for review. The comments will be considered by the MOE when reviewing our Proposed Assessment Reports for possible approval.

Summary of Comments Received on Proposed Assessment Reports:

Commenter	Summary of Comments
Resident	What threat does the Richmond Bakery pose?
	Why are sewage force mains not identified as potential drinking water threats?
	Source protection process leaves people on private wells vulnerable. The process focuses on protecting municipal water which is already well protected.
Resident	Provide greater clarity about identifying quarries as threats versus transport pathways.
Resident	AR should reference the Ottawa region's responsibility not to degrade water quality in the Ottawa and Rideau Rivers for downstream users (e.g. treatment and discharge of landfill leachate in wastewater treatment plants).
	AR should note the potential impact climate change could have on future water quality.
Councillor	IPZ-2 within Carleton Place should be larger.

City of Ottawa Flagged as: unresolved municipal comment	IPZ-3 should have a vulnerability score of 7.2 up to the 24 hour time-of-travel. Beyond that the score should be 3.6.
Carleton Place Urban Forest / River Corridor Advisory Committee	AR provides very good knowledge foundation despite data limitations.
	MOE should provide technical guidance on assigning vulnerability scores in IPZs.
	Definition of IPZ-1 for Carleton Place and area delineated on map is inconsistent.
	The location and type of significant drinking water threats should be provided in the AR.
	Additional surface water monitoring stations should be installed upstream of Carleton Place.

5.0b Assessment Report Updated Assessment Report Workplan

Date: January 24, 2011
To: Mississippi-Rideau Source Protection Committee
From: Sommer Casgrain-Robertson, Co-Project Manager
 Mississippi – Rideau Source Protection Region

Recommendation 1:

That the Mississippi-Rideau Source Protection Committee approve the Updated Assessment Report Workplan staff report and direct staff to respond to the MOE accordingly.

Background

Now that Proposed Assessment Reports have been submitted to the MOE there are two ways in which the reports can be updated:

1. Before an Assessment Report is approved, MOE can direct new/updated information be included in an amended Proposed Assessment Report [Sec 17 (2) (b) of the Act]
2. After an Assessment Report is approved, a proposed update can be submitted to the MOE for consideration [Sec 19 of the Act]

Given the tight timeline to develop Source Protection Plans, MOE will only consider Assessment Report updates until June, 2011. After that, updates will have to wait until after Source Protection Plans have been submitted. Proposed updates received by June, 2011 will be considered through either of the two methods listed above.

Mississippi-Rideau – Proposed Updates

On October 1, 2010 staff submitted a letter to MOE requesting five Assessment Report updates. The letter is attached and the table below summarizes the five requested updates and their anticipated start dates and completion dates.

AR Update		Chapter	Start	Complete
1	Future Lanark Water Supply	5	Spring 2010	April 2011
2	On-going Confirmation of Significant Threats	5 & 6	Fall 2010	April 2011
3	Review of Westport GUDI designation	5	Fall 2010	Unknown
4	Review of IPZ-3 Vulnerability Scoring for City of Ottawa Intakes	6	Fall 2010	Unknown
5	Possible Significant Threats Reductions as a Result of ODWSP Early Response Program	5	Unknown	Unknown

MOE Response

On December 20, 2010 a letter was received from MOE in response to our proposed updated Assessment Report workplan. Their response letter is attached and below is a summary of their responses. Mississippi-Rideau staff have provided recommended responses for the SPC to consider.

1. Future Lanark Water Supply

MOE: Since construction of this future drinking water system is currently dependent on the municipality receiving substantial funding, it was suggested that it may be more appropriate to include this planned drinking water system in an updated Assessment Report once it has been confirmed that construction of the system is going to go ahead (e.g. funding is received). Public consultation would be undertaken at that time.

Staff agrees that the planned drinking water system for Lanark should be in a future Assessment Report once confirmation is received that the system is going to be constructed. In the meantime, the Wellhead Protection Area (WHPA) study will be completed and could be included in the municipality's Official Plan to alert current and future property owners about the possible designation and potential future land use policies. If the Assessment Report is ever updated to include the WHPA the remaining technical work is quite simple and could be completed by staff (managed lands, significant threats inventory). MOE will need to provide direction on how to address this planned system in our Proposed Assessment Report for Mississippi because the system is included in our approved Terms of Reference.

2. On-going Confirmation of Significant Threats

MOE: Site visits to confirm whether someone is engaging in a significant drinking water threat or not is considered an inefficient use of resources at this time and should not be undertaken. However, additional information collected during public consultation on the Assessment Report (e.g. responses to significant threat notices) can be incorporated into the Assessment Report if the report is already being amended or updated.

Staff: No site visits were proposed as staff agrees they would be an inefficient use of resources at this time. However, hundreds of responses were received to the significant threat notices mailed out in October, 2010 as part of the public consultation process on the Draft Assessment Report. The majority of responses confirmed that people are not engaging in a significant drinking water threat (e.g. the property does not have a septic system or home heating oil tank). Staff wants the opportunity to refine the significant threats enumeration in the current Proposed Assessment Reports because the initial counts are very high as broad assumptions had to be made about land use activities because of a lack of data. It was our original approach that a survey would be used to gather more accurate property scale information so people could be eliminated from the list. In addition, staff is currently working with the threats database following recent MNR directions. This work will result in the discontinuation of "polygons" in the significant threats counts.

Timing & Effort: Responses to the threats notices (a survey was attached) have already been received and need to be compiled by staff so official notices under the Source Protection Plan consultation requirements are not sent to these individuals. In addition, staff is currently updating the threats database to use only "parcels" and "lines" (no polygons). Therefore, a revised significant threats count will be available in April and should be incorporated into the Proposed Assessment Reports.

3. Review of Westport GUDI designation
MOE: MOE has confirmed that the Westport drinking water system is not classified as a GUDI system, therefore this update is no longer required.
Staff agrees.
4. Review of IPZ-3 Vulnerability Scoring for City of Ottawa Intakes
MOE: MOE has confirmed that this is an eligible update and requested that the review and any resulting work be undertaken as soon as possible. The MOE Liaison Officer should be kept updated on the status of this work and the anticipated completion date. Once the review of our Proposed Assessment Report is complete the MOE will provide direction on how this new information will be incorporated into the Assessment Reports.
Staff agrees with this approach and they have been working with City of Ottawa staff to review the IPZ-3 vulnerability scores for the Ottawa intakes. Any proposed changes will be presented to the SPC for their consideration, if approved they will be incorporated into the Assessment Reports.
Correction: Changes to IPZ-3 vulnerability scores for the Ottawa intakes could affect both Assessment Reports (Mississippi and Rideau) as IPZ-3 for the City of Ottawa intakes extends into both watersheds (not just the Rideau as noted in MOE's December 20, 2010 letter).
5. Possible Significant Threat Reductions as a Result of ODWSP Program
MOE: This work is considered out of scope at this time and should not be included in an updated Assessment Report.
<p>Staff: The Village of Merrickville-Wolford and the Municipality of North Grenville both received funding through the ODWSP to deepen their well casings to ensure water is only being drawn out of the deeper Nepean aquifer. This will significantly reduce the intrinsic vulnerability of their Wellhead Protection Areas meaning much smaller areas scored high enough to produce a significant drinking water threat (1500 fewer properties in the smaller areas). This means fewer "affected persons" will need to receive notices of commencement or be engaged in policy development for the Source Protection Plan.</p> <p>Timing and Effort: No additional technical work needs to be done to reflect this new situation in the Assessment Report. The current Proposed Assessment Report contains text and maps for both situations (current well casing depth and deepened casings), this is because the two aquifers supplying the wells were modeled separately and each set of results shown in the Assessment Report along with the combined results. Staff would like to update the Proposed Assessment Report to add a paragraph that casings are being deepened so study results for the shallower Oxford aquifer are no longer valid. In future, the approved Assessment Report can be updated to remove all references to the shallower Oxford aquifer (text, tables and maps).</p> <p>MOE must Confirm: Upon written confirmation from the municipal councils that work will proceed to deepen the casings, staff want to start using the reduced list of potential significant threats for the purposes of Source Protection Plan public consultation requirements (e.g. notices of commencement, engaging affected persons in policy development). Also, once municipalities have deepened their casings Draft Source Protection Plans should be able to reference the Wellhead Protection Area vulnerability scores for the deeper Nepean Aquifer (not the combined results) as the area subject to the proposed policies.</p>

Attachments:

- Proposed Updated Assessment Report Workplan (Oct 1, 2010)
- Approved Updated Assessment Report Workplan (Dec 20, 2010)

Mississippi – Rideau Source Protection Region

October 1, 2010

Mr. Ian R. Smith
Director, Source Protection Programs Branch
Ontario Ministry of the Environment
40 St. Clair West, 14th Floor
Toronto, ON M4V 1M2

Dear Ian:

**RE: WORKPLAN FOR UPDATED ASSESSMENT REPORT, MISSISSIPI-RIDEAU
SOURCE PROTECTION REGION**

As requested in your memorandum dated August 31, 2010, this letter provides the Ministry of the Environment (MOE) with a Workplan for an Updated Assessment Report for the Mississippi Valley and Rideau Valley Source Protection Areas to be submitted in June 2011. The Draft Proposed Assessment Report for the Mississippi Valley and Rideau Valley Source Protection Areas was posted for public comments on September 30, 2010.

The Draft Proposed Assessment Report identified the following two known data gaps to be filled in a 2011 Updated Assessment Report:

1) Future Lanark Water Supply

The Township of Lanark Highlands is currently seeking construction funding and is working on the design of a new municipal groundwater-based drinking water system for the Village of Lanark in Lanark County. This planned system has been studied in accordance with the provincial environmental assessment process and is included in the Approved Terms of Reference for the Mississippi Valley Source Protection Area. At the present time, Golder Associates (lead consultant) and Dillon Consulting (peer review consultant) are in the midst of completing a wellhead protection areas (WHPA) study for the future Lanark municipal groundwater system. Once the WHPA study is completed, Dillon Consulting will be retained to complete the Threats and Issues Evaluation, including managed lands and livestock density calculations. Public consultations on the study findings will subsequently be carried out. All tasks associated with the future Lanark water supply were included in the Mississippi-Rideau Source Protection Region's 2010/2011 business plan submission and thus the necessary funding and staff time arrangements are in place to complete this work.

2) On-going Confirmation of Significant Threat Counts

Site visits were not carried out to confirm significant threats circumstances on each property. Instead, a conservative approach was generally taken for the identification of significant threats in accordance with the provincial threats tables. 'Significant Threats Notification' letters are being sent out in early October to all property owners who have been identified as a potential significant threat. If requested, staff from the Mississippi-Rideau Source Protection Region (MRSPR) staff will work with property owners to obtain specific information with regard to significant threats. The updated significant threats count will be included in the 2011 updated Assessment Report. This task was included in the Mississippi-Rideau Source Protection Region's 2010/2011 business plan

submission and thus the necessary funding and staff time arrangements are in place to complete this work.

In addition to the above two items, the following items may result in changes to the Assessment Report findings that will need to be incorporated into a 2011 Updated Assessment Report:

3) Review of Westport GUDI Designation

The Westport Wellhead Protection Areas (WHPA) study was completed in 2009 by Malroz Engineering. This study was completed with the understanding that the wells are non-GUDI. Note that GUDI is a term used for wells where the groundwater entering the wells is under direct influence of surface water. It is understood that the non-GUDI designation is consistent with the hydrogeological findings of the WHPA study. However, it has recently been pointed out by MOE staff that the Certificate of Approval (C of A) for the Westport municipal groundwater system states that the wells are GUDI. In order to move forward in an appropriate manner, it is suggested that key people from the MOE, the municipality and Malroz engineering review and discuss available technical information about the wells in regard to a GUDI or non-GUDI designation. Depending on the outcome of this first step, the existing wellhead protection study will be sufficient for inclusion in the Assessment Report or a new study to identify WHAP zones E and F will be required. This task was not included in the Mississippi-Rideau Source Protection Region's 2010/2011 business plan submission. The cost and timing of this task is fully dependent on the outcome of the initial GUDI review.

4) Review of IPZ-3 Vulnerability Scoring for City of Ottawa Intakes

On September 2, 2010, revised IPZ-3 vulnerability scoring results for all five surface water systems were presented to the Mississippi-Rideau Source Protection Committee (MRSPC). Although the IPZ-3 vulnerability scoring results were approved by the Committee for inclusion in the Draft Proposed Assessment Report, a motion was passed to direct staff to work with the City of Ottawa, the consultants (Baird) and the MOE to further explore an alternative approach to the delineation of sub-zones and vulnerability scores for the two IPZ-3's for the City of Ottawa intakes that is in keeping with the Technical Rules. Furthermore, staff are to report back to the Committee in sufficient time to allow consideration of this new information as part of an amendment/update to the Assessment Report. This task was not included in the Mississippi-Rideau Source Protection Region's 2010/2011 business plan submission. The cost and timing is unknown at this time.

5) Possible Significant Threats Reductions as a Result ODWSP Early Response Program

Currently multiple municipalities are applying for funding under the ODWSP Early Response Program - Special Projects. A number of these applications are for projects that would result in alteration to the vulnerability mapping around their municipal wells. Should these applications be approved and projects completed, the significant threat counts for these systems would be significantly reduced. This would mean a number of properties previously identified as being significant threats will no longer be categorized as such.

The proposed projects involve extending the municipal well casings to ensure the wells do not draw water from the vulnerable shallow aquifer. By only drawing water from the

deep well protected aquifer, the vulnerability mapping for the shallow aquifer can be excluded. The result of these projects will be a safer source of drinking water resulting from additional protection. This will also significantly reduce the number of potential significant threats to the municipal source of drinking water. The Municipality of North Grenville, the Village of Merrickville-Wolford, and the City of Ottawa are among the applicants applying for funding.

The timing for the ODWSP Early Response approval process, and (if approved) subsequent project completion is unknown. If the projects progress quickly, it would be possible to only include the deep vulnerability maps in the updated Assessment Report and also revise the significant threats count.

Summary

The table below provides a summary of the 5 update items discussed above. As noted above, MRSPR staff are quite certain that items 1 and 2 will be completed in time for the June 2011 Updated Assessment Report. However, as described above, it is unknown at this time if the outcomes of items 3, 4 and 5 will require changes to the current Assessment Report.

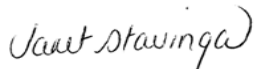
Item #	Update	Chapter	Start Date	Anticipated Completion Date
1	Future Lanark Water Supply	5	Spring 2010	April 2011
2	On-going Confirmation of Significant Threats	5 & 6	Fall 2010	April 2011
3	Review of Westport GUDI designation	5	Fall 2010	Unknown
4	Review of IPZ-3 Vulnerability Scoring for City of Ottawa Intakes	6	Fall 2010	Unknown
5	Possible Significant Threats Reductions as a Result of ODWSP Early Response Program	5	Unknown	Unknown

Please call me at (613) 692-3571 xt 1141 or email me at Brian.Stratton@mrsourcewater.ca if you have any questions.

Yours truly,



Brian Stratton, P.Eng
Co-Manager, Source Water Protection
Mississippi – Rideau Source Protection Region



Janet Stavinga
Chair
Mississippi-Rideau Source Protection Committee

cc Mary Wooding, MOE Liaison
Paul Lehman, General Manager, Mississippi Valley Conservation
Dell Hallett, General Manager, Rideau Valley Conservation Authority

**Ministry of
the Environment**

Source Protection Programs
Branch

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40 St. Clair Ave. West
Toronto ON M4V 1M2

**Ministère de
l'Environnement**

Direction des programmes de protection
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Log: ENV1174IT-2010-287

December 20, 2010

Ms. Janet Stavinga & Mr. Brian Stratton
Chair, Mississippi-Rideau Source Protection Region
c/o Rideau Valley Conservation Authority
Box 599, 3889 Rideau Valley Dr.
Manotick, ON K4M 1A5

Re: Mississippi-Rideau Source Protection Region Updated Workplan

Dear Janet and Brian:

Thank you for the submission of your Updated Assessment Report (UAR) workplan received by the ministry on October 1, 2010 for the Mississippi-Rideau Source Protection Region. Based on the analysis of the UAR workplan and discussions between the Source Protection Authorities (SPAs) and your Liaison Officer, I understand that only the Rideau Valley SPA will be submitting an UAR/amended proposed AR as further discussed in this letter.

This letter confirms the receipt of your UAR workplan and provides additional information relating to the project tasks identified in your workplan and the consultation requirements of the new/updated AR information.

As a reminder there are two ways in which an UAR can be completed:

- 1) through an UAR under section 19 of the Clean Water Act (CWA), 2006 following Director approval of an AR; or
- 2) through an amended proposed AR under section 17(2) (b) of the CWA, 2006, by which the Director provides directions to include the new/updated information in an amended proposed AR.

The Director's decision on the submitted Rideau Valley proposed AR will determine which route the new/updated information will be incorporated into the AR (i.e. either through the UAR under section 19, CWA or an amended proposed AR under section 17(2)(b), CWA). The decision letter I provide on the review of the submitted proposed AR will indicate this.

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Generally speaking, if your proposed AR is approved, then it is likely that your new/updated work will be completed through section 19, CWA as an UAR. If your AR is returned for amendments as a result of the review of the submitted proposed AR, I may also advise you to incorporate the new/updated tasks and resubmit the AR as an amended proposed AR since other amendments are required. Please note that despite the general statement included above, at any point, the ministry may decide that one route over the other should be taken in the interest of resource efficiencies and timing.

The workplan submitted for the Mississippi-Rideau Source Protection Region UAR has identified the following list of project tasks proposed to be completed. These tasks have been categorized under the following headings – updated tasks, amended tasks and out-of-scope tasks, which are defined below.

Updated Tasks – new tasks not yet completed or consulted upon:

- Future Lanark Water Supply; and
- Review of Westport GUDI Designation.

Amended Tasks – tasks partially or wholly contained in the proposed AR where the proposal is to change or update this information:

- Review of IPZ-3 Vulnerability Scoring for Ottawa Intakes (Lemieux and Britannia drinking water systems in the Rideau Valley source protection area).

Out-of-Scope Tasks – tasks that are not eligible or are not considered to be an efficient use of time and resources for this round of planning:

- On-going Confirmation of Significant Threat Counts; and
- Possible Significant Threats Reduction as a Result of the Ontario Drinking Water Stewardship Program (ODWSP) Response Program.

All of the above updated/amended project tasks are within scope of the AR and may proceed to be included in the UAR/amended proposed AR except for the tasks identified under the out-of-scope category. An explanation of the out-of-scope work is provided below. This letter is not acknowledging or approving methodologies or approaches that may have been presented in the UAR workplan submitted to the ministry. All project tasks identified in the UAR workplan must be completed following methodologies or approaches that are consistent with the technical rules unless an alternative method or approach approval has been granted.

The work associated with the verification of significant drinking water threats (SDWTs) and threats reduction as a result of the ODSWP is considered to be out-of-scope. Conducting site visits to carry out such work for the UAR will/can be verified when the plans are being developed. Conducting site visits at this time for the completion of the UAR/amended proposed AR is not considered to be an efficient use of resources and it is advised that any planned work associated with site visits to verify threats does not occur at this time. It is understood that the SPCs have consulted with affected parties when significant threats were identified during the AR development and if additional information has been gathered as a result of this consultation, this new information can be incorporated into an AR if the report is already being amended or updated.

The actual number of SDWTs in the AR is a continuously changing number and in the interest of an efficient use of resources the threat enumeration in the AR can be observed as a benchmark for SPCs to know their approximate workload in policy development. Additionally the policies in the plan will most likely be developed on an area basis (i.e., WHPA A, etc.) rather than individual parcels/properties. Therefore, to have an exact number of existing SDWTs enumerated in the AR does not accurately reflect the number of policies in the plan that will be written or required.

Ontario Regulation (O.Reg.) 287/07 section 19 requires that when the SPC begins preparing the source protection plan for a source protection area, the committee shall give notice to various stakeholders, including those engaged in activities that are SDWTs. Furthermore, sections 35 to 39 of O.Reg. 287/07 require that discussions with persons impacted by draft policies, including those undertaking activities identified as SDWTs, occur during the source protection plan policy development process before the draft plan is published for initial public comment. This could provide the SPCs the opportunity to gather additional information about the details of the presence or absence of these SDWTs. Since this work is associated with the policy development process it is not a priority to be completed or updated for the AR at this time. If SPC/SPA comes across additional SDWTs as they are completing their existing AR work, this information can be included in the AR; however additional consultation will be required with those new landowners who have been identified as undertaking a SDWT. If this particular task applies to your SPC/SPA and will impact your timelines to submit your UAR/amended proposed AR, notify your Liaison Officer in order to determine how this may be included in the AR or in the next round of planning.

It is my understanding that discussions between the SPA and the Liaison Officer have identified that the work associated with the future Lanark water supply system and the Westport GUDI work will not be completed at this time. There

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are delays associated with the Lanark system being brought online and the Westport system has been determined to not be classified as a GUDI system. Therefore the only project task to be completed is the review of the IPZ-3 vulnerability scoring for the two Ottawa intakes (Lemieux and Britannia drinking water systems) in the Rideau Valley SPA. As such, only the Rideau Valley SPA will be submitting an UAR/amended proposed AR. My decision letter following the review of your submitted proposed AR will provide additional directions on how to include this work. Your Liaison Officer may be in contact with you prior to the receipt of my decision letter to discuss any necessary details, (including the submission date) pertaining to the above.

The tasks that are listed as updated/amended above are within the scope of the UAR/amended proposed AR and are eligible expenditures under your transfer payment allocation. As part of the annual business plan review, the ministry will be assessing the work plans and requests for funds to undertake this work against the funds available. Please note that the direction in this letter does not consider the availability of program funds to complete the tasks rather whether the tasks are within scope. The province also reserves the right to verify and to recover transfer payment funds if it is determined that program funds were not used, or will not be used, for the intended purposes.

As a reminder, the consultation requirements are outlined in section 18 under O. Reg. 287/07, and must be completed for the updated tasks. For the amended tasks, the SPC/SPA must determine the appropriate extent of consultation required (i.e., letters to stakeholders, posting AR to internet, newspaper notices and/or public meetings) based on the changes that they impose on the AR.

Based on the UAR workplan submitted, it is unknown when the technical work for the IPZ-3 vulnerability scoring for Ottawa intakes IPZ-3 will be completed. The UAR workplan has identified a June 2011 submission to the ministry. Your Liaison Officer will be in regular contact with you to obtain updates on how this work is progressing and if necessary/appropriate my decision letter will state the actual submission date and the additional directions regarding the submission format of the work associated with this project task.

I recommend at this time that the amended task associated with the vulnerability scoring of the Ottawa intakes proceed according to the timelines presented and in accordance with the technical rules. If additional tasks arise that the SPC/SPA wants to include as new/updated information and/or if there are delays that will occur that will result in deviations from the timelines in the workplan submitted, please notify your Liaison Officer immediately. If the delays are significant, it is important for the SPC/SPA to know that the updated tasks may not be accepted by the ministry for review for this round of source protection planning, and that

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the amended AR may have to be submitted without all of the new work in order to get approval in support of the Plan. Extensions to UAR/amended proposed AR submissions will not generally be considered due to the extremely tight timelines that exist between now and the due date of the source protection plans by August 20, 2012.

I appreciate the amount of hard work the Mississippi-Rideau SPC and SPAs have done for their ARs and I anticipate that this high level of effort will continue in order to complete the UAR/amended proposed work for the Rideau Valley SPA and source protection plans for both SPAs by August 20, 2012.

I assure you that the ministry will continue to support Source Protection Committees and Authorities in achieving their compliance dates, whenever possible. I look forward to receiving your proposed ARs this month as well as the UAR/amended proposed AR for the Rideau Valley SPA.

Sincerely,



Ian Smith, Director
Source Protection Programs Branch
Ministry of the Environment

- c: Sommer Casgrain-Robertson, Project Manager, Rideau Valley Source Protection Authority
Paul Lehman, General Manager, Mississippi Valley Conservation Authority
Dell Hallett, General Manager/ Secretary Treasurer, Rideau Valley Conservation Authority
Alan Arbuckle, Chair of the Board of Directors, Rideau Valley Conservation Authority
Charely Worte, Conservation Ontario
Mike Garraway, Ministry of Natural Resources
Charlene Vantighem, Ministry of Natural Resources
Keith Willson, Manager, Source Protection Approvals, MOE
Katie Fairman, Supervisor, Source Protection Implementation, MOE
Neil Gervais, Liaison Officer, Source Protection Implementation, MOE
Heather Malcolmson, Manager, Source Protection Planning, MOE
Melanie Ward, Compliance Team Lead, Source Protection Approvals, MOE
Andrea Pearlstone, Program Analyst, Source Protection Approvals, MOE
Tu Van Duong, Partnership and Program Coordinator, Source Protection Planning, MOE

Ms. Janet Stavinga & Mr. Brian Stratton
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Mary Wooding, Liaison Officer, Source Protection Implementation, MOE

6.0 2011 Meeting Schedule

Date: January 24, 2011
To: Mississippi-Rideau Source Protection Committee
From: Sommer Casgrain-Robertson, Co-Project Manager
Mississippi – Rideau Source Protection Region

Recommendation:

1. That the Mississippi-Rideau Source Protection Committee approve the following meeting schedule for 2011:
 - **Thursday, January 6**
 - o 1pm, RVCA
 - **Thursday, February 3**
 - o 1pm, RVCA
 - **Thursday, March 3**
 - o 1pm, RVCA
 - **Thursday, April 7**
 - o 1pm, RVCA
 - **Thursday, May 5**
 - o 4pm, Merrickville
 - **Thursday, June 2**
 - o 4pm, Perth
 - **Thursday, July 7**
 - o 4pm, Carleton Place
 - **Thursday, August 4**
 - o 4pm, Almonte
 - **Thursday, September 1**
 - o 4pm, Montague
 - **Thursday, October 6**
 - o 1pm, RVCA
 - **Thursday, November 3**
 - o 1pm, RVCA
 - **Thursday, December 1**
 - o 1pm, RVCA

Background

The MRSPC will likely need to meet every month in 2011 in order to complete draft Source Protection Plan policies. When the meeting schedule is posted a footnote will be included informing the public that “under rare circumstances meetings may be relocated or cancelled so people are encouraged to visit the website or contact staff to confirm meeting details”.

The approved 2011 MRSPC Meeting Schedule will be:

- o Circulated to all MRSPC and Source Protection Authority members;
- o Posted on our website; and
- o Included in various communications outreaches.

7.0 Community Outreach

Date: January 24, 2011
To: Mississippi-Rideau Source Protection Committee
From: Sommer Casgrain-Robertson, Co-Project Manager
Mississippi – Rideau Source Protection Region

Recommendation:

1. That the Mississippi-Rideau Source Protection Committee receive the Community Outreach staff report for information.

Background

Staff and MRSPC members participate in many different community outreach activities to raise awareness and understanding of the source protection planning process. These activities include information booths at events, presentations at meetings and articles in newsletters and local papers. It is important that staff and members keep each other informed about the activities they are involved in so that we can coordinate our participation and prepare appropriate materials in advance. This includes coordinating with our neighbouring regions for outreach covering Eastern Ontario.

Past Activities

Members & staff are asked to give a verbal update on any other activities that took place in the past month related to source protection.

1. *Smiths Falls Committee of the Whole*
 - o January 10, Smith Falls (Sommer presented)
2. *Project Managers Meeting*
 - o January 11, Toronto (Brian attended)
3. *Provincial Chairs Meeting*
 - o January 17-18, Toronto (Sommer and Allison attended)
4. *Municipal Working Group Meeting*
 - o January 20, Perth (Allison, Sommer, George Braithwaite, Patricia Larkin and Mary Wooding attended)

Upcoming Activities

Members & staff are asked to give a verbal update about any other activities they know about in the coming months related to source protection.

1. *Eastern Regions Meeting*
 - o Feb 7, Brockville (Brian, Sommer and Allison attending)
2. *Municipal Working Group Meeting*
 - o February 17, Perth (Allison, Sommer, Bev Millar, Drew Lampman and Mary Wooding attending)
3. *Municipal Working Group Meeting*
 - o March 24, Perth (Allison, Sommer, Drew Lampman and Mary Wooding attending)

4. *Municipal Working Group Meeting*
 - April 21, Perth (Allison, Sommer, Eleanor Renaud and Mary Wooding attending)
5. *Municipal Working Group Meeting*
 - May 19, Perth (Allison, Sommer, George Braithwaite, Patricia Larkin, Carol Dillon and Mary Wooding attending)