

POST FILING COMMENTS

During the Acton WWTP Class EA review period the public and review agencies had the opportunity to make comments regarding the document. Comments received and proponent responses are summarized in the subsequent sections.

***Black Creek Geomorphic and Erosion Hazard Limit Assessment* report has been revised to incorporate comments received from Credit Valley Conservation (CVC). This updated *Black Creek Geomorphic and Erosion Hazard Limit Assessment* report will replace the previous version of the report contained in Appendix E.**

Ministry of the Environment

Ministry of the Environment

Central Region
Technical Support Section

5775 Yonge Street, 8th Floor
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Ministère de l'Environnement

Région du Centre
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May 4, 2011

File: EA 05 03 05

Ms. Magda Bielawski
Project Manager – Wastewater Planning
Regional Municipality of Halton
1151 Bronte Road
Oakville, ON L6M 3M1

**RE: TSS Comments:
Acton Wastewater Treatment Plant
Regional Municipality of Halton
Class Environmental Assessment
Environmental Study Report**

Dear Ms. Bielawski,

This letter is our response to the Notice of Study Completion for the above noted project. Having previously provided comments on the draft Environmental Study Report (ESR) on March 16, 2011, we have now reviewed the final ESR and provide the following comments:

Groundwater and Surface Water

Groundwater-related concerns expressed with respect to the draft ESR have been addressed in the finalized document. More detailed technical information will need to be submitted in support of a future application for a Permit to Take Water, if one is required.

Surface water staff has been working directly with Halton Region throughout the Environmental Assessment (EA) process and will continue to do so as the project is implemented. As such, surface water-related comments pertaining to the future Certificate of Approval application process will be submitted separately from this Class EA Notice of Completion response.

Air Quality

Appendix C includes a summary of an odour assessment conducted at Acton WWTP in 2010 which did not include all potential odour sources; for example, drying beds were excluded from the analysis. Studies carried out at the detailed design stage should include the full range of potential odour sources.

Section 8.2 states that no new remedial odour control measures are required for the Acton WWTP facility. This contradicts the odour assessment report in Appendix C, which recommends that odour control measures be implemented for the primary odour sources after the facility is expanded.

Table 5.3 describes the potential long term disruption (noise, dust, odour) associated with the "increase plant capacity" alternative as "minimal impacts associated with operation that could be mitigated". The ESR, however, lacks a commitment as to how these impacts will be mitigated.

Finally, Table 8.1 should address odour effects and proposed mitigation.

Thank you for the opportunity to comment on the draft ESR for this undertaking. Please feel free to contact me directly at (416) 325-6966, or via email at dan.minkin@ontario.ca, if you have any questions about these comments.

Yours truly,



Dan Minkin
Environmental Resource Planner and EA Coordinator
Air, Pesticides and Environmental Planning

- c. Tina Dufresne, Halton Peel District Office, MOE
Central Region EA File
A & P File



June 15, 2011

Public Works Department
Wastewater Planning
1151 Bronte Road
Oakville ON L6M 3L1

Ontario Ministry of the Environment
Central Region Office
5775 Yonge Street, 8th Floor
North York, Ontario
M2M 4J1

Attention: Mr. Dan Minkin, Environmental Resources Planner and EA Coordinator
Air, Pesticides and Environmental Planning

**Re: Acton Wastewater Treatment Plant Class Environmental Assessment
Technical Support Section Comments on Environmental Study Report**

Dear Mr. Minkin,

Thank you for providing comments in a letter dated May 4, 2011 on the draft Environmental Study Report for the Acton Wastewater Treatment Plant. Below are our responses to the issues raised in your letter:

Groundwater

Detailed technical information will be submitted in support of a future application for a Permit to Take Water, if one is required.

Surface Water

Surface water related comments were submitted in an e-mail dated May 6, 2011. The outstanding issue was related to the timing of the implementation of TP offsets. TP Offsets will be implemented as part of the first phase expansion to 5,600 m³/d. The need for additional TP offsets will be reviewed and appropriately implemented as part of the second phase expansion to 7,000 m³/d. The offsets will ensure that the next TP loading to the receiver is at least maintained at the current level of 156 kg/yr.

Noise and Air Quality

Noise and Air Quality impact assessments will be completed during detailed design to demonstrate compliance with applicable regulations established to manage facility air emissions including potential odourants, combustion by-products, and noise (i.e. Reg. 419/05 and NPC 205 and 232). Halton Region will develop and implement appropriate odour control measures for the proposed expanded facility, which could include enclosing process units, tank covers and vapour-phase technologies (such as Carbon Adsorption).

Lastly, drying beds were excluded from the analysis because they have been decommissioned thus no longer used.

The Regional Municipality of Halton



We trust that we have adequately addressed your concerns. If you have any further questions or have any additional concerns, please do not hesitate to contact me at 905 825 6000 ext. 7426, or by email to magda.bielawski@halton.ca.

During the review period the public and review agencies had the opportunity to make comments regarding this ESR. These comments and the proponent's responses have been documented and compiled as a new preceding section of the report. This new section is enclosed for your file.

Further to the Notice of Completion, the Report has now completed the 30 day review period. Please acknowledge that the Ministry of Environment has received no Part II Order requests and that Halton Region is proceeding with implementation of this project.

We thank you for your assistance with this project.

Sincerely,

A handwritten signature in black ink that reads "M. Bielawski".

Magda Bielawski, P.Eng.

cc: Ted Belayneh, Surface Water Group Leader, Water Resources Unit
Jennifer Dougherty, Water Quality Engineer, Credit Valley Conservation
Liam Marray, Senior Planner/Ecologist, Credit Valley Conservation

Credit Valley Conservation



May 5, 2011

Region of Halton
1151 Bronte Road
Oakville, Ontario
L6M 3L1

HALTON REGION
MAY 17 2011
PLANNING SERVICES

Attention: Magda Bielawski
Project Manager

Re: Acton WWTP Class EA Study
Part Lot 26, Concession 3
Town of Halton Hills

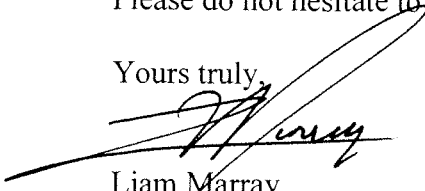
Staff of Credit Valley Conservation (CVC) have had an opportunity to review the Region of Halton Acton Wastewater Treatment Plant Class Environment Assessment Report prepared by Dillon dated March 2011 and provide the following comments. Over the last number years, the Region has worked cooperatively with CVC to address our concerns with respect to water quality, natural environment and natural hazards. On this basis, CVC has no objection to the approval of the ESR. CVC is looking forward to working with the Region during detail design.

As part of detail design, CVC requests a meeting with the Region and their consultants to discuss our requirements. In addition to the requirements outlined in the ESR, the following items would also need to be addressed:

- 1) Permit requirements pursuant to Ontario Regulation 160/06 – site plan, geodetic elevations, drainage/stormwater management plan including potential impacts to Black Creek from additional flows from the WWTP, geodetic elevations, geotechnical investigation to determine dewatering requirements, erosion and sediment control and
- 2) Commitments made by the Region during the meetings with CVC on March 25 and April 13, 2011.

Please do not hesitate to contact the undersigned if you have any additional questions.

Yours truly,



Liam Marray
Manager Planning Ecology



ACTON WWTP CLASS EA STUDY – Geomorphic and Erosion Hazard Limit Assessment

Follow up meeting with Credit Valley Conservation (CVC) and Parish Geomorphic Ltd.

Meeting Notes

Date: Wednesday, April 13, 2011

Time: 2:30 pm to 3:15 pm

Location: CVC Offices/1255 Old Derry Rd., Mississauga

Present:

Credit Valley Conservation: Liam Marray, Senior Planner/Ecologist
Rizwan Ul Haq, Supervisor, Engineering Plan Review

Parish Geomorphic Ltd.: John Parish

Halton Region: Magda Bielawski, Project Manager, Wastewater Planning
Caroline Hales, Project Manager, Wastewater Design & Construction

This meeting was held with representatives from CVC, Parish Geomorphic Ltd and Halton Region to follow up on CVC comments regarding the *Black Creek Geomorphic and Erosion Hazard Limit Assessment Study* received during separate meeting held on March 25, 2011.

Following items were discussed:

1. Level of risk associated with the meander belt migration. John P. explained there is not enough gradient or energy present to cause a great change to the meander belt and therefore the risk of channel migration is minimal. The text in the report will be updated to include this conclusion: **Action - John P.**
2. Update/clarify text in the report to use word 'trench/barrier' instead of 'buried stone bank treatment': **Action - John P.**
3. Materials that could be used to construct the trench/barrier include stone, clay, gravel, gravel plus sand, and concrete. The report will be updated to include more information about recommended material(s) that could be used for the proposed trench/barrier: **Action John P.**
4. Exact location and material for the trench/barrier will be determined through detail design.
5. Remove 'draft' from the report and update date to say April 2011: **Action John P.**

Bielawski, Magda

From: Marray, Liam [LMarray@creditvalleyca.ca]
Sent: Wednesday, April 13, 2011 8:11 AM
To: Bielawski, Magda; Dougherty, Jennifer
Cc: Ul Haq, Rizwan
Subject: RE: Revised mtng. minutes

Magda

I just quickly looked over the CVC section on page 126 and it is satisfactory.

Liam Marray
Credit Valley Conservation
Manager Planning Ecology
1255 Old Derry Road West
Meadowvale, Ontario L5N 6R4
Tel: (905) 670-1615 Ext. 239
Fax: (905) 670-2210
Email: lmarray@creditvalleyca.ca

From: Bielawski, Magda [mailto:Magda.Bielawski@halton.ca]
Sent: April 8, 2011 10:05 AM
To: Dougherty, Jennifer; Marray, Liam
Cc: Ul Haq, Rizwan
Subject: Revised mtng. minutes

Hi Jennifer and Liam,
I made revisions to the meetign notes (highlighted in yellow) based on your comments - let me know if you're in agreement.

One outstanding item from the mtng. minutes is point 10. 'CVC noted that they will be providing comments regarding section 9.2 pg. 126 of the ESR. This section discusses CVC approvals required.'

- could you please provide your revisions/comments so that I can included those in the mtng. minutes as well.

Also, could you provide Rizwan's title?

<<CVC Meeting Notes March 25_2011_draft revised April 8.doc>>

Thank you,
Magda

Magda Bielawski, P.Eng.
Project Manager, Wastewater Planning
Public Works, Wastewater Services
Tel: 905-825-6000 (ext.7426)
Toll Free: 1-866-442-5866

5/4/2011

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Thank you

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ACTON WWTP CLASS EA STUDY – COMMENTS ON DRAFT ENVIRONMENTAL STUDY REPORT (ESR)-

Meeting with Credit Valley Conservation (CVC)

Meeting Notes

Date: Friday, March 25, 2011
Time: 2:00 pm to 4:00 pm
Location: CVC Offices/1255 Old Derry Rd., Mississauga
Present:

Credit Valley Conservation: Liam Marray, Senior Planner/Ecologist
 Jennifer Dougherty, Water Quality Engineer
 Rizwan Ul Haq, Supervisor, Engineering Plan Review

Halton Region: Magda Bielawski, Project Manager, Wastewater Planning
 Caroline Hales, Project Manager, Wastewater Design & Construction

This meeting was held with representatives from CVC to gather comments on draft Acton WWTP ESR, Assimilative Capacity Study report and Black Creek Geomorphic and Erosion Hazard Limit Assessment report. Commitments made during this meeting are documented in the table below and are part of the Acton WWTP ESR.

CVC Comments	Region Response/Commitment
<p>Black Creek Geomorphic and Erosion Hazard Limit Assessment</p> <ol style="list-style-type: none"> Further investigation is required to determine how the meander belt/channel will migrate if its natural path will be restricted on the Acton WWTP property by a buried stone bank. Investigate the feasibility to remove the existing pond. Appropriate protection measures against bank erosion/channel migration to be determined in consultation with CVC during detailed design. A mutually agreeable resolution is to be determined before the end 	<ol style="list-style-type: none"> Parish Geomorphic to model a scenario for future proposed condition to predict the channel migration. Set up meeting with CVC to discuss the results. Meeting set up for April 13, 2011. During detail design the feasibility to remove the existing pond will be investigated. Noted.

<p>of the detailed design.</p> <p>4. Alternatives to the rip rap option presented are also to be considered.</p> <p>Floodplain Regulation Limits</p> <p>5. CVC noted that new flood plain regulation line mapping (to be provided by CVC) has been approved. This mapping should be used when designing Acton WWTP expansion.</p> <p>Assimilative Capacity Study and Black Creek Water Quality Issues</p> <p>6. There is evidence of backwater impacts such as decreased dissolved oxygen concentrations and nitrate-nitrogen concentrations being elevated beyond the Canadian Water Quality Guideline (CWQG).</p> <p>7. Concentration of Nitrites and Nitrates are elevated in Black Creek.</p> <p>Monitoring Program for water quality in Black Creek</p> <p>8. It is noted that the list provided on pg. 118 – 119 of the ESR does not represent the proposed monitoring program for water quality of Black Creek. As stated on pg. 111 of the ESR the Region will develop the proposed monitoring program in consultation with CVC and MOE.</p>	<p>4. Noted.</p> <p>5. The new flood plain regulation line mapping as provided by CVC (via e-mail dated March 25, 2011) will be used to ensure new infrastructure (buildings/tanks) is located outside of the flood plain. If it is determined that some of the new infrastructure cannot be located outside of the flood plain, than appropriate mitigation measures will be determined in consultation with CVC.</p> <p>6. The design of the outfall will incorporate mechanical mixing and/or aeration of the effluent and part of the creek. CVC to be included in the design review.</p> <p>7. It is already proposed that denitrification treatment process will be provided for the expanded Acton WWTP (pg. 94 of the ESR). The monitoring program for the Black Creek (pg. 111 of the ESR) will help to determine the requirement and timing of methanol addition in the future (for Phase II).</p> <p>8. Noted.</p>
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Chloride

9. CVC reiterated their concern regarding elevated chloride levels in Acton WWTP effluent.

CVC offered to applicable background information and advice on the implementation of incentive programs from similar initiatives in their watershed programming.

10. CVC noted that they will be providing comments regarding section 9.2 pg. 126 of the ESR. This section discusses CVC approvals required.

9. The Region will develop chloride management plan for implementation of two proposed mitigation measures to reduce chloride levels in the wastewater (1. requirement for all new developments to install high efficiency water softeners and 2. development of an incentive program to encourage existing water softener users to replace their current models with more efficient ones) including:
 - determination of resources required to develop and manage such chloride management plan (Regional departments to be involved and staff required)
 - estimation of funding required and source of funding

10. Noted. Comments received in e-mail dated April 13, 2011.

Errors and/or omissions

Please notify Magda Bielawski of any errors and/or omissions.

Ministry of Tourism and Culture

Ministry of Tourism and Culture

Culture Services Unit
Programs and Services Branch
401 Bay Street, Suite 1700
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Fax: 416 314 7175

Ministère du Tourisme et de la Culture

Unité des services culturels
Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto ON M7A 0A7
Tél. : 416 314-7265
Télééc. : 416 314 7175



April 26, 2011

Magda Bielawski (By email)
Project Manager
Halton Region

Dear Ms. Bielawski,

Project: Acton Wastewater Treatment Plant-Municipal Class EA
Location: 202 Churchill Drive, Halton Hills MTC File: 24EA042

On March 30, 2011 the Ministry of Tourism and Culture (MTC) received a Notice of Study Completion for the project mentioned above. As part of the Class Environmental Assessment process, the MTC has an interest in the conservation of cultural heritage resources including:

- archaeological resources,
- built heritage resources, and
- cultural heritage landscapes.

We have reviewed the Draft Environmental Study Report (ESR) dated March 2011 prepared by Dillon Consulting, available on the Region of Halton's website and have the following comments:

Archaeology

Section 3.2.3 Stage 1 Archaeological Assessment indicates that a Stage 1: Archaeological Background Research study was undertaken for the Acton WWTP.

Section 8.0 Summary of Effects and Mitigation Measures states that prior to construction, a Stage 2 archaeological assessment will be completed for the areas identified as high potential and clearance will be obtained from the Ministry of Culture. As per the Stage 1 archaeological assessment some monitoring during construction will occur.

The MTC has received a Stage 1 archaeological report, but we still need to review it. Reports are reviewed on a first in, first out basis. MTC may have additional comments while reviewing these reports. Depending on the contents of the reports, further archaeology may be required. Construction work involving ground disturbance cannot proceed until the Ministry has reviewed all reports and confirms in writing that it supports the recommendations included in the reports.

Built Heritage and Cultural Heritage Landscapes:

There were no built heritage and cultural heritage landscape concerns regarding this project.

Please do not hesitate to contact me if you have any questions.

Best Regards
Rosi Zirger
A/Heritage Planner
416-314-7159
rosi.zirger@ontario.ca

copy to: Katherine Cappella, Archaeological Review Officer/Ministry of Tourism and Culture

Bielawski, Magda

From: Bielawski, Magda
Sent: Wednesday, April 27, 2011 10:33 AM
To: 'Zirger, Rosi (MTC)'
Cc: Cappella, Katherine (MTC)
Subject: RE: Acton Wastewater Treatment Plant-Municipal Class EA, 202 Churchill Drive, Town of Halton Hills

Hello Rosi,

Thank you for your comments and we note that there could be more comments received pending your review of Phase I archaeological report. We also understand that construction work involving ground disturbance cannot proceed until the Ministry confirms in writing that it supports the recommendations included in the reports.

Thank You,

Magda Bielawski, P.Eng.
Project Manager, Wastewater Planning
Public Works, Wastewater Services
Tel: 905-825-6000 (ext.7426)
Toll Free: 1-866-442-5866

From: Zirger, Rosi (MTC) [mailto:Rosi.Zirger@ontario.ca]
Sent: Tuesday, April 26, 2011 10:47 AM
To: Bielawski, Magda
Cc: Cappella, Katherine (MTC)
Subject: Acton Wastewater Treatment Plant-Municipal Class EA, 202 Churchill Drive, Town of Halton Hills

Ms. Bielawski

Thank you for providing the Ministry of Tourism and Culture with Notice of Study Completion regarding the above mentioned project. Please find our letter attached.

Rosi Zirger

A/Heritage Planner | Central and Southeast
Ministry of Tourism and Culture | Culture Services Unit
Tel. 416.314.7159 | Fax. 416.314.7175

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Email: rosi.zirger@ontario.ca

5/4/2011

Indian and Northern Affairs Canada

Bielawski, Magda

From: CAU-UCA [CAU-UCA@ainc-inac.gc.ca]
Sent: Thursday, April 14, 2011 12:05 PM
To: Bielawski, Magda
Subject: Acton Wastewater Treatment Plant / Notice of Completion

Attachments: Incoming.pdf



Incoming.pdf (61
KB)

Dear Ms. Bielawski:

I am writing on behalf of the Consultation and Accommodation Unit (CAU) of Indian and Northern Affairs Canada (INAC). Your letter has been referred to us by Ms. Louise Trepanier (please see attached). The CAU's Consultation Information Service (CIS) has been established to help co-ordinate departmental responses to consultation-related queries within INAC. The CIS also provides information, primarily to federal officials, related to Aboriginal groups and their Aboriginal and/or treaty rights, to the extent that these are known by INAC.

As a rule, INAC officials do not participate in environmental assessment studies that pertain to projects off-reserve, nor do we track how other parties carry out their EA or consultation activities where no reserve lands or INAC programs are involved. Therefore, in future, please omit INAC from public information notifications for projects that do not intersect with reserve lands or engage INAC programs.

Thank you for your assistance in this matter.
Sincerely,

Dale Pegg
Manager
Consultation Information Service