Present were: Chair J. Wideman, L. Armstrong, J. Brewer, T. Cowan, D. Craig, R. Deutschmann, T. Galloway, J. Haalboom, B. Halloran, R. Kelterborn, G. Lorentz, C. Millar, J. Mitchell, K. Seiling, and *C. Zehr

Members absent: S. Strickland

**MOTION TO RECONVENE IN OPEN SESSION**

MOVED by T. Cowan
SECONDED by C. Millar

THAT the meeting reconvene into Open Session.

CARRIED

**DECLARATIONS OF PECUNIARY INTEREST UNDER THE MUNICIPAL CONFLICT OF INTEREST ACT**

The following members re-declared their pecuniary interest related to an item in the closed session. They left the closed meeting for this discussion.

R. Deutschmann declared a conflict of interest due to an indirect pecuniary interest since he and his spouse are shareholders of corporations that have an interest in a property at 10 Duke Street West, Kitchener.

D. Craig declared a non-pecuniary interest due to his son owning property within the area of a proposed station on the rapid transit system.

T. Galloway declared a pecuniary interest due to his employment at the University of Waterloo.

K. Seiling declared a pecuniary interest in that two of his adult children own residential properties within the proposed corridor.

**DELEGATIONS**

i) James Parkin, MHBC Planning and Melanie Horton, CBM appeared before Committee re: CBM Aggregates Bromberg Application ZC-11/08, Lot 33 & 34, Concession 9, 2772 Greenfield Road, Ayr, ON. J. Parkin provided background information and indicated that the Region has delegated approval authority. J. Parkin noted that the Region has two issues with the application. The first issue is being opposed to the inclusion of a 5.3 hectare woodlot within the proposed extraction area. The second issue is the application of vertical zoning for aggregate operations. He stated that the Ministry of Natural Resources and the Township of North
Dumfries are in support of proposed scenario 2. A copy of the presentation is appended to the original minutes.

*C. Zehr entered the meeting at 1:18 p.m.

Chair Wideman stated that there is not a report on the agenda regarding this topic. He noted that R. Horne has delegated authority under the Planning Act to either approve this proposal or if he chooses to appeal the proposal R. Horne will come to Committee seeking direction on Council’s behalf.

Rob Horne, Commissioner Planning and Housing and Community Services provided background information. He stated that delegated authority is undertaken by by-law with specific parameters around what to approve and what to appeal. He highlighted that this application is currently under review as the case is with all development applications. He stated that he has not finished his review yet and if he seeks an appeal he will be coming to Council for direction to proceed in September.

a) E-11-085, No Parking on Bleams Road (Regional Road 4), Township of Wilmot

i) Kevin Shantz appeared before Committee. He highlighted his business Shantzholm Family Farm and thanked the Region for improvements on Bleams Road. He provided background information regarding his business and the current parking issues on Bleams Road. He noted his support for no parking on Bleams Road but not on both sides. He indicated that no parking should be only on the south side of Bleams Road. He asked that consideration be taken to allow for a grace period, that by-law officers issue warnings instead of tickets.

Committee members asked the delegation if he has spoken with staff with respect to the no parking on just one side of the road. K. Shantz stated that he did discuss it with staff and it wasn’t an option.

Committee members discussed the location in detail and highlighted that most of the complaints came from neighbouring farms stating the difficulties in manoeuvring farm equipment around the parked cars on the side of the road.

Some Committee members inquired about no parking only on the south side of Bleams Road. John Hammer, Director, Transportation highlighted that it is safer to have no parking on both sides because of the tractors. He stated it could create some problems to have no parking on the south side of the road but could try it for a year. Staff also stated that the Township of Wilmot was in support of no parking on both sides.

Some Committee members’ highlighted pedestrian safety should be the biggest concern.

G. Lorentz introduced an amendment to the motion for no parking on the south side of the road with a review after one year.

MOVED by G. Lorentz
SECONDED by J. Brewer

THAT the Regional Municipality of Waterloo amend Traffic and Parking By-law 06-072, as amended, to add to Schedule #1 “No Parking Anytime” on the south of Bleams Road (Regional Road 4) from 860 metres east of Queen Street (Regional Road 12) to 1060 metres east of Queen Street (Regional Road 12);
AND THAT there be a review after one year.

CARRIED

REPORTS – TRANSPORTATION AND ENVIRONMENTAL SERVICES

DESIGN AND CONSTRUCTION

b) CR-RS-11-052, Authorization to Expropriate Lands (1st Report) for Road Improvements to Trussler Road (Regional Road 70), New Dundee Road (Regional Road 12) to Bleams Road (Regional Road 56), in the City of Kitchener and Township of Wilmot

MOVED by L. Armstrong
SECONDED by B. Halloran

THAT The Regional Municipality of Waterloo direct and authorize the Regional Solicitor to take the following actions with respect to the expropriation of lands for the road improvements to Trussler Road, in the City of Kitchener and the Township of Wilmot, in the Region of Waterloo as detailed in report CR-RS-11-052 dated August 16, 2011:

1. Complete application(s) to the Council of the Regional Municipality of Waterloo, as may be required from time to time, for approval to expropriate land, which is required for the road improvements to Trussler Road and described as follows:

Fee Simple Partial Taking:

a) Part Lot 1, Concession 1, Block ‘A’, Township of Wilmot, being Part 1, on Reference Plan 58R-16917, PIN 22186-0234(LT) (1040 Huron Road)

b) Part Lot 1, Concession 1, Block ‘A’, Township of Wilmot, being Part 2, on Reference Plan 58R-16917, PIN 22186-0233(LT) (1465 Trussler Road)

c) Part Lot 1, Concession 1, Block ‘A’, Township of Wilmot, being Part 3, on Reference Plan 58R-16917, PIN 22186-0232(LT) (1359 Trussler Road)

d) Part Lot 136, German Company Tract, City of Kitchener, being Part 5, on Reference Plan 58R-16917, PIN 22728-0010(LT) (1434 Trussler Road)

e) Part Lot 135, German Company Tract, City of Kitchener, being Part 6, on Reference Plan 58R-16917, PIN 22728-0009(LT) (no municipal address)

f) Part Lots 129, 133 & 134, German Company Tract, City of Kitchener, being Part 9, on Reference Plan 58R-16917, PIN 22728-0005(LT) (no municipal address)

g) Part Lot 129, German Company Tract, City of Kitchener, being Part 11, on Reference Plan 58R-16917, PIN 22727-0022(LT) (808 Trussler Road)

h) Part Lot 2, Concession 3, Block ‘A’, Township of Wilmot, being Part 1, on Reference Plan 58R-16920, PIN 22207-0377(LT) (2483 Trussler Road)

i) Part Lot 13, Beasley’s New Survey, City of Kitchener, being Part 2, on Reference Plan 58R-16920, PIN 22723-0015(LT) (2878 New Dundee Road)
j) Part Lot 15, South side of Huron Road, Plan 585 and Part Lot 149, German Company Tract, City of Kitchener, being Part 12, on Reference Plan 58R-16920, PIN 22723-0006(LT) (no municipal address)

k) Part Lot 1, Concession 2, Block ‘A’, Township of Wilmot, being Parts 13 and 14, on Reference Plan 58R-16920, PIN 22207-0025(LT) (1743 Trussler Road)

2. Serve notices of the above application(s) required by the Expropriations Act;

3. Forward to the Chief Inquiry Officer any requests for a hearing that may be received;

4. Attend, with appropriate Regional staff, at any hearing that may be scheduled;

5. Discontinue expropriation proceedings or any part thereof, in respect of the above described lands, or any part thereof, upon the registration on title of the required documentation to complete a transaction whereby the required interests in the lands are conveyed; and

6. Do all things necessary and proper to be done, and report thereon to Regional Council in due course.

CARRIED

c) E-11-079, Consultant Selection - Class EA, Preliminary Design, Detailed Design and Construction Administration and Inspection Services, Weber Street Reconstruction from King Street to Blythwood Road and King Street Improvements from Weber Street to Highway 85 Southbound Ramp, City of Waterloo

MOVED by B. Halloran
SECONDED by T. Galloway

THAT the Regional Municipality of Waterloo enter into a Consultant Services Agreement with McCormick Rankin Corporation of Kitchener, Ontario to provide consulting engineering services for a Class Environmental Assessment (EA), preliminary design, detailed design, contract administration and construction inspection for Weber Street Reconstruction, King Street to Blythwood Road and King Street Improvements from Weber Street to Highway 85 southbound ramp, City of Waterloo at an upset limit of $268,796 plus applicable taxes for the Class EA, preliminary design and detailed design phases with contract administration and construction inspection to be paid on a time basis.

CARRIED

d) E-11-086, Consultant Selection – Class EA, Preliminary Design, Detailed Design and Construction Administration and Inspection Services, Ottawa Street Reconstruction from Mill Street to Imperial Drive, City of Kitchener

MOVED by T. Cowan
SECONDED by C. Zehr

THAT the Regional Municipality of Waterloo enter into a Consultant Services Agreement with MTE Consultants Inc. of Kitchener, Ontario to provide consulting engineering services for Class Environmental Assessment (EA), preliminary design, detailed design, contract administration and construction inspection for Ottawa Street Reconstruction, Mill Street to Imperial Drive, City
of Kitchener at an upset limit of $183,388.75 plus applicable taxes for the Class EA, preliminary design and detailed design phases with contract administration and construction inspection to be paid on a time basis.

CARRIED

e) E-11-087, Consultant Selection - Detailed Design and Services During Construction for the Preston WWTP Anaerobic Digestion Upgrade, City of Cambridge

MOVED by J. Brewer
SECONDED by T. Galloway

THAT the Regional Municipality of Waterloo enter into an Agreement for Professional Consulting Services with CIMA Canada Inc. of Kitchener, Ontario, to provide engineering services during the detailed design and construction phases of the Preston Wastewater Treatment Plant Anaerobic Digestion Upgrade in the City of Cambridge, at an upset fee limit of $635,275 plus applicable taxes.

CARRIED

TRANSIT

f) E-11-081, GRT Customer Issue Report

Received for information.

Committee members asked if the numbers presented in the report could also be expressed by ridership. Thomas Schmidt, Commissioner, Transportation and Environmental Services noted the numbers could be converted. T. Schmidt also pointed out that ridership has increased and complaints have decreased.

g) E-11-088, Fischer Hallman Express Bus Route - Free Service Promotion

MOVED by T. Galloway
SECONDED by C. Millar

THAT the Regional Municipality of Waterloo offer free transit on the new Fischer-Hallman express bus route for the period Monday, September 5th, 2011 until Sunday, September 11th, 2011 and also on each Friday from September 16th, 2011 until Friday, December 30th, 2011.

CARRIED

TRANSPORTATION


Received for information.

T. Schmidt highlighted that Bob Henderson, Manager, Transportation Engineering has been working with Ministry of Transportation trying to get the legislation changed and working on other changes with a number of other municipalities throughout Ontario and this is an important first step. T. Schmidt noted that the report is for information but that he has provided Chair
Wideman with a recommendation to show Council’s support and would like to see it move forward.

Staff responded to questions about the standardization of this device across the Region and the Province. Staff noted that this device will be Provincial legislation and the Region has been working with the local Municipalities on this so that it will be consistent and appropriate throughout the Region. T. Schmidt also noted that the device would be adopted by the Province but that it is up to the municipalities to decide where the sign would be used.

Committee members discussed in length the importance of pedestrian crossing signs at the new roundabout located at Homer Watson Boulevard and Block Line Road noting high volume of pedestrians in that area because of the high school.

Committee members inquired about the signage the City of Kitchener is using at their roundabouts. B. Henderson responded that the City of Kitchener is adopting the Region’s signage practices.

J. Wideman introduced the motion.

MOVED by C. Zehr
SECONDED by T. Cowan

THAT the Regional Municipality of Waterloo encourage the Ministry of Transportation to make the appropriate legislative amendments to the Highway Traffic Act to enable road authorities to use the new Type 2 Pedestrian Crossover device.

CARRIED

i) E-11-078, The Region of Waterloo 2010 Collision Report

Received for information.

j) E-11-084, Speed Limit on Snyder’s Road (Regional Road 1), Township of Wilmot

MOVED by L. Armstrong
SECONDED by J. Haalboom

THAT the Regional Municipality of Waterloo amend Traffic and Parking By-law 06-072, as amended, to:

a) Remove from Schedule 18 Rates of Speed, 70 km/h Maximum Speed on Snyder’s Road (Regional Road 1) from Nafziger Road (Regional Road 5) to 50 metres West of Brenneman Drive;

b) Add to Schedule 18 Rates of Speed, 60 km/h Maximum Speed on Snyder’s Road (Regional Road 1) from Nafziger Road (Regional Road 5) to 50 metres West of Brenneman Drive;

in the Township of Wilmot as outlined in report E-11-084, dated August 16, 2011.

CARRIED
WATER

k) E-11-067, Biosolids Master Plan Update

Nancy Kodousek, Director, Water Services provided a presentation. She highlighted the current Biosolids Management, Master Plan Decision-Making Process, Short Listed Strategies, Preferred Strategy, Heat Drying, Benefits, Life Cycle Costs and Proposed Implementation. A copy of the presentation is appended to the original minutes.

Committee members inquired about the size of the current facility in Ayr and if modifications will need to be made. N. Kodousek noted that there is enough capacity at that plant currently.

MOVED by B. Halloran
SECONDED by T. Cowan

THAT the Regional Municipality of Waterloo approve the Biosolids Master Plan Update including its recommended actions as itemized in Report E-11-067, dated August 16, 2011;

AND THAT the Commissioner of Transportation and Environmental Services be authorized to issue the Notice of Completion, and to provide the Biosolids Master Plan Update Report for public review and comment for a 30-day period in accordance with the Municipal Class Environmental Assessment Process.

CARRIED

REPORTS – PLANNING, HOUSING AND COMMUNITY SERVICES

COMMUNITY PLANNING


MOVED by J. Mitchell
SECONDED by T. Galloway


CARRIED

TRANSPORTATION PLANNING

m) P-11-072, Commuter Challenge 2011

Received for information.

R. Horne highlighted that attendance was nearly doubled this year and that the Region of Waterloo was first in Ontario and second in Canada.

INFORMATION/CORRESPONDENCE

a) Memo re: Participation in the 2011 Transportation Tomorrow Survey
Received for information.

R. Horne provided introductory comments.

**OTHER BUSINESS**

a) J. Wideman requested that staff bring forward an information report outlining R. Horne’s delegated authority under the *Planning Act*.

b) G. Lorentz requested that staff report back to Committee regarding how many gravel pits in the Region have not been restored.

c) Council Enquiries and Requests for Information Tracking List was received for information.

**NEXT MEETING** – September 6, 2011

**ADJOURN**

MOVED by G. Lorentz
SECONDED by L. Armstrong

THAT the meeting adjourn at 2:30 p.m.

CARRIED

**COMMITTEE CHAIR, J. Wideman**

**COMMITTEE CLERK, E. Flewwelling**
Member of the Region of Waterloo Planning and Works Committee:

**RE: Bromberg Pit Application, 2772 Greenfield Road, Township of North Dumfries**

CBM St. Marys Cement Inc. has submitted applications for a pit in the Township of North Dumfries adjacent to the existing Ayr Pit. The Township of North Dumfries approved the Zoning By-law Amendment (ZC 11/08) and adopted the Local Official Plan Amendment (OPA 04/08) on July 18, 2011. The last date for appealing the Zoning By-law Amendment is August 22, 2011.

The Region is the delegated approval authority for the adopted Local Official Plan Amendment. We will be appearing before the Planning and Works Committee on Tuesday, August 16 to provide the Committee with additional information on the Bromberg Pit. We are asking the Committee to support the Township approvals.

By way of background, the planning and Aggregate Resources Act applications were submitted over three years ago and have undergone a comprehensive review. The Township recently supported the applications, approved the zoning and adopted the OPA.

There are no public objections to the aggregate licence application.

Regional staff comments opposed the inclusion of a 5.3 hectare woodlot within the proposed extraction area of the Bromberg Pit. In response to these concerns, CBM developed an integrated operations and rehabilitation scenario, known as Scenario 2. CBM agreed to reassess the existing and approved Ayr Pit extraction area and rehabilitation plan. This is an unusual and progressive approach that has been commended by Regional, Township and Provincial staff.

Scenario 2 would reduce the area of both above and below water extraction in the Ayr Pit. Scenario 2 also proposes to protect provincially significant wetlands and a Regional ESPA, which are currently approved for extraction. CBM has committed to securing these revisions if the removal of the 5.3 hectare woodlot in the proposed Bromberg Pit is approved.

If approved, Scenario 2 would result in a 9 hectare reduction in below water extraction area and a 48 hectare increase in connected natural features linking natural heritage systems. The Township and MNR support Scenario 2.

The second issue raised in Regional staff comments is the application of vertical zoning for aggregate operations. Traditionally, depth of extraction is regulated under the licence, not the zoning. This issue is a Region-wide jurisdictional policy dispute between the Region and the Province. If the Region appeals the Township’s approved zoning by-law for the Bromberg Pit on this basis, it will cause the broader policy dispute to be the subject of a hearing between the Region and
Township. The issue of vertical zoning should be resolved Region-wide rather than dealt with as an application specific matter. Applications should be resolved under current approved policy.

In advance of the Committee meeting, we have provided the Committee with the following documents that are relevant to the discussions and decisions that have taken place:

- Scenario 2: Integrated Operations and Rehabilitation Scenario for the Bromberg Pit and Ayr Pit
- MNR Letter to St. Marys Cement Inc. regarding Scenario 2, dated April 21, 2011
- Recommendation and Conclusions from Planning Report No. PR-30/11 (Steve Jefferson Report, Township’s Planning Consultant)

We would be pleased to provide you with additional information. We will be available at the August 16 Committee meeting to answer any questions.

Sincerely,

Melanie Horton
Lands Manager
CBM Aggregates
Benefits of Scenario 2 as Compared to Protecting the Bromberg Woodlot and Maintaining the Ayr Pit as Presently Approved

- Establish linked system: 48 hectare (200%) increase in total area of connected natural features
- 9 hectare (20%) reduction in below water extraction areas.
- 1.7 hectare (100%) increase in restored environmental features (areas not extracted and converted to natural features).
- 21.2 hectare (100%) increase in rehabilitated environmental features (areas subject to extraction and rehabilitated to natural features).
- Small (5%) reduction in potentially available aggregate resource.
- Retain 10-11 hectares of provincially significant wetland and Regional ESPA presently within the approved extraction area.
- Enhanced buffer for Brook Trout fishery.
- Create ±8 ha of new interior habitat as a result of joining retained natural features (versus no interior habitat in existing woodlot or restoration plan).
- Provide greater separation distances for Reidsville residents at the north end of the Ayr Pit. Duration of extraction close to Reidsville is reduced.
April 21, 2011

Melanie Horton
St. Marys Cement Inc.
55 Industrial Street
Toronto, ON M4G 3W9

Dear Ms. Horton:

Re: Application for Category 1, Class A License under the Aggregate Resources Act
CBM St. Marys Cement Inc. – Bromberg Pit
Part Lots 33 & 34, Concession 9
Township of North Dumfries, Region of Waterloo

The Ministry is in receipt of correspondence provided (without prejudice) by MHBC Planning Ltd. on November 22, 2010 which describes and illustrates three scenarios for the operation and rehabilitation of the proposed Bromberg Pit and existing adjoining Ayr Pit. This material was submitted in response to concerns that have been raised by the Ministry and other agency reviewers regarding the proposed removal of the woodland on the Bromberg site and the approach to rehabilitation. St. Marys has met with representatives from the Ministry of Natural Resources, Region of Waterloo and Township of North Dumfries on a number of occasions over the last several months to discuss these matters. These discussions have provided the basis for the recent submission. The Ministry is appreciative of St. Marys’ efforts and interest in developing alternatives for consideration and maintaining an open dialogue on these matters.

After careful consideration of the November 22, 2010 submission in conjunction with earlier correspondence and the associated discussions that have ensued, the Ministry continues to see merit in pursuing Scenario 2 which provides for a comprehensive and coordinated approach to the operation and rehabilitation of the proposed Bromberg Pit and adjoining licenced Ayr Pit. The Ministry’s support for this approach is based on the specific conditions and context of the site and surrounding area, as discussed in more detail below, and is contingent upon the development of the proposed rehabilitation plan in greater detail to the Ministry’s satisfaction.

The Bromberg property is located within a sand and gravel resource area of primary significance. Through on site drilling and testing it has been confirmed that a quality aggregate deposit is present and that a variety of commercial products can be produced from the resources available. It is estimated there are approximately 5.3 million tonnes of resource on site, of which 970,000 tonnes (or approximately 18% of the total resource present) occurs in association with the woodland in the southeast of the property. Based on current rates of extraction at the Ayr Pit, the resources present on the Bromberg site would provide approximately 25-30 years of quality supply in a close to market area.
The Bromberg property is adjacent to an area of existing resource extraction. The proposed operation would represent an expansion of an existing extractive land use. The Bromberg Pit is to be operated in conjunction with the adjoining licenced Ayr Pit, and will utilize the existing infrastructure associated with the Ayr Pit including processing facilities, entrance and haul route. In the opinion of Ministry staff, the proposed operation is a logical expansion of the existing extractive land use; the continuation and expansion of resource extraction in this area would promote efficient use of land, take advantage of existing infrastructure and maximize recovery of quality resource in a close to market area that is already established for extraction.

The Bromberg woodland is approximately 5.3 ha and is located in the southeast portion of the property adjacent to the existing Ayr Pit to the east and surrounded by agricultural lands to north, west and south. The woodland has been described as a good quality mature deciduous woodland. It contains a number of trees of considerable age, is comprised largely of native species, and has a diverse ground flora. The woodland exhibits topographic variation, including a southwest facing slope, and supports a small number of area sensitive bird species and a large specimen of Butternut. A succeeding area of meadow and plantation provides some connection between the woodland and the existing on site pond and small wetland area at the north end of the property. The woodland has been previously managed for forest products under Ministry programs, and continues to contain trees that would yield valuable hardwood timber.

On the basis of this characterization, the Ministry has previously indicated the woodland exhibits some characteristics that would reasonably allow it to be identified as a significant woodland. Ministry staff continue to be of this opinion, but recognize there have been and remain differences of professional opinion among the parties regarding the significance of the woodland.

Recognizing the interim nature of mineral aggregate resource extraction, both the Provincial Policy Statement (PPS) and Aggregate Resources Act (ARA) require progressive and final rehabilitation of extraction sites to accommodate subsequent land uses in a manner compatible with surrounding uses and designations. The PPS and ARA also both require that impacts to the environment be minimized. Ministry staff is of the opinion the consideration of rehabilitation is relevant to assessing and minimizing environmental impacts for mineral aggregate operations. The rehabilitation of mineral aggregate operations may also be taken into consideration for the demonstration of no negative impacts where the rehabilitation of ecological functions is feasible.

Under the original proposed operational plan for the Bromberg Pit the 5.3 ha woodland is to be removed to allow for extraction of the resource present. Without rehabilitation the loss of the woodland would represent a permanent and therefore unacceptable negative impact. While the original Bromberg proposal provides for rehabilitation of the site, including some reforestation, through the discussions that have occurred it was recognized there was an opportunity to consider the rehabilitation of the Bromberg and Ayr Pits in a more comprehensive and integrated manner to allow for a broader landscape scale perspective and approach to the protection, restoration, and rehabilitation of natural heritage features and management of the aggregate resource.

Through these discussions three options (scenarios) for the operation and rehabilitation of the site(s) were identified. Scenario 1 reflects the original Bromberg Pit operational and rehabilitation plan, as submitted for review under the ARA. Under Scenario 1 the woodland is proposed to be
removed, with rehabilitation efforts confined to the Bromberg property; no amendment of the Ayr Pit licence rehabilitation plan is proposed under this scenario. The Ministry has expressed concerns with this approach and noted that further consideration of the proposed rehabilitation plan in relation to the value of resource and significance of woodland would be required. The Ministry’s concerns with this proposal were never fully addressed or resolved, as the discussion on these matters broadened to focus on other rehabilitation options. Further discussion would be required to determine if the Ministry’s concerns with this approach could be resolved should St. Marys wish to pursue Scenario 1.

Scenario 3 reflects a revised proposal for the Bromberg Pit to exclude the woodland from the extraction area. Like Scenario 1, no amendment to the Ayr Pit rehabilitation plan is considered under this approach and extraction would proceed around the woodland. While the Ministry could support this scenario, staff is of the opinion Scenario 2 provides for a more balanced approach to the protection and management of the resources present.

Unlike Scenarios 1 and 3, Scenario 2 provides for an integrated approach to the operation and rehabilitation of the Bromberg and Ayr Pits. While Scenario 2 would result in the removal of the woodland on the Bromberg property, in the opinion of Ministry staff Scenario 2 overall represents the most comprehensive and balanced approach to management of the aggregate resource and protection of natural heritage features. Scenario 2 provides for a number of benefits over the other options proposed, including the following:

- **Amendment of the approved Ayr Pit site plans to exclude approximately 10 ha of provincially significant wetland and other natural areas from the Ayr Pit extraction limit, and to provide for the rehabilitation of approximately 20 ha to natural/woodland area post-extraction;**

- **Establishment of a natural corridor/linkage across the Bromberg and Ayr properties to the Cedar Creek Valley, which will provide a mosaic of habitat types, across a varied topography, including significant areas of wetland and woodland;**

- **An increase in woodland area over the medium to long term, including approximately 8 ha of new interior forest habitat; and**

- **Enhanced protection of a brook trout fishery through retention of wetland and seepage areas that support a coldwater tributary of Cedar Creek.**

The Ministry recognizes the Bromberg woodland is of good quality and currently provides some ecological function. However, staff is of the opinion Scenario 2 reasonably minimizes impacts and through a combination of feature retention, restoration and rehabilitation will result in improved connectivity and ecological enhancements over those that would be retained with the protection of the Bromberg woodland alone. The approach could benefit the Cedar Creek Subwatershed and greater Regional ecosystem through increases in woodland and wetland habitat area and improved connectivity between significant natural heritage features over the medium to long term.

Scenario 2 also provides for the recovery of more than five million tonnes of quality aggregate resource on the Bromberg property and in a close to market area. An integrated approach to the
management of the Bromberg and Ayr Pits allows for the use of existing infrastructure and facilities and should result in overall operational efficiencies.

In the opinion of Ministry staff, by taking a broader landscape view Scenario 2 provides a coordinated, integrated and comprehensive approach to balancing competing resource interests. In the context of the site and surrounding region, Scenario 2 provides for an appropriate balance between the protection of natural features and functions and access to the resource. In the opinion of staff Scenario 2 represents good planning and wise use and management of resources, and will contribute to achieving the desired outcomes of the PPS and ARA.

The Ministry’s support for Scenario 2 is contingent on further consideration and agreement on the details of the rehabilitation plan. Topics that require further discussion and planning include operational phasing, topsoil conservation, planting treatments, and monitoring and management. Should St. Mary’s wish to pursue Scenario 2, further consideration must also be given to the coordination and timing of approval processes for the proposed Bromberg licence, amendment of the Ayr Pit licence, and authorizations required under the Endangered Species Act.

Scenarios 1, 2 and 3 were submitted to agency reviewers for consideration and comment on a draft, without prejudice basis. Until it is determined which scenario St. Marys will pursue, and any associated issues are addressed to staff’s satisfaction, the Ministry maintains its objection to the Bromberg licence proposal. Ministry staff would be pleased to meet with St. Marys and the other agencies to continue to discuss these matters and in an effort to find a resolution that may be acceptable to all parties.

Sincerely,

Original signed by

Mike Stone
District Planner

Cc: Chris Gosselin, Region of Waterloo
    Steve Jefferson, K Smart Associates Ltd. / Township of North Dumfries
    James Parkin, MHBC Planning Ltd.
    Diane Schwier, MNR
PLANNING REPORT NO. PR-30/11
FOR THE CORPORATION OF THE
TOWNSHIP OF NORTH DUMFRIES
CBM BROMBERG PIT

Meeting Date: July 18, 2011 Public Meeting Date: June 28, 2010

Property Owner: Hardy Bromberg
CBM St Marys: Melanie Horton
Applicant/Agent: James Parkin, MHBC Planning

Property Description:
Lot 33 and 34, Concessions 9
Township of North Dumfries
Regional Municipality of Waterloo
Municipal Address: 2772 Greenfield Rd.

Type: Official Plan Amendment Application No.: OPA-04/08
Purpose of Application:
To amend the Official Plan mapping by refining the boundary of the
Environmental Constraint Lands (Map 2B), the Hazard Lands (Map 6C)
and the Provincially Significant Wetland areas (Map 6A) within the
property.

Effect of Application:
To allow the refinement of the Official Plan mapping to identify the
location of significant environmental features on the site based on the
results of a Level 1 Natural Environment Study. The Study was
completed in support of the application to establish a new gravel pit on
the property.

Type: Zoning By-Law Amendment Application No.: ZC-11/08
Purpose of Application:
To change the zoning from Zone 1- Z.1 (Agricultural) to Zone 14 – Z.14
(Aggregate), Zone 12A-Z.12A (Environmental Protection 1) and an
overlay of Zone 12 C – Z.12C (Adjacent lands overlay) in order to permit
an aggregate extraction operation for a Category 1 – Class A pit below
the established water table.

Effect of Application:
To allow for the extraction of aggregate resources on the property from a
Category 1 – Class A pit that is below the water table, while protecting
significant environmental features (Provincially Significant Wetland).
1.0 RECOMMENDATIONS:

That Council for the Township of North Dumfries (the “Township):

1) Adopt Amendment No. 15 to the Official Plan for the Township (the “OPA #15”) regarding Township Application No. OPA-04/08, plus authorize the Mayor and CAO/Clerk to execute the adoption by-law regarding OPA #15;

2. Provide three readings of the proposed by-law regarding Township Application No. ZC-11/08 to amend the Township Zoning By-law No. 689-83, as amended (the “Zoning By-law”);

3. Direct staff to forward this staff report (PR-30/11) to the Ministry of Natural Resources as the current Township comments regarding the proposed Category 1 – Class A pit below the water table, including specifically Appendix B-3.2;

4. Supports the commitment from the proponent to negotiate revisions to the licence 5489 for the existing, adjacent CBM Ayr Pit prior to requesting approval of the license for the Bromberg property;

5. Direct staff to request and participate in negotiations between the interested parties to finalize the details of the integrated approach to the operation and rehabilitation of the Bromberg and Ayr Pits (such as the proponent, MNR, GRCA, and Region of Waterloo); and

6. Direct staff to return to Council for the consideration of any future integrated operation and rehabilitation plans for the Bromberg and Ayr Pits, in co-ordination with any additional Township comments to the Ministry of Natural Resources.

2.0 INTRODUCTION:

The Township of North Dumfries processed Applications No. OPA-04/08 and No. ZC-11/08 (the “Applications”) in accordance with Sections 17, 22 and 34 of the Planning Act. As a result, Township Council may now consider the adoption of OPA #15 (Appendix D-1) and providing three readings of the proposed by-law amending the Zoning By-law (Appendix D-2) to change the existing designation/zoning to allow for the establishment of a Category 1 – Class A pit below the water table.

Planning Report PR-30/11 (the “Report”) provides Township Council with a summary of activities and correspondence which have occurred since the public meeting was held on June 28, 2010. Attached as appendices to the Report are copies of the planning documents, figures, correspondence and a submission to the Ministry of Natural Resources (MNR) regarding the concurrent pit application.

The application proposed is to change the lands municipally known as 2772 Greenfield Road from Zone 1- Z.1 (Agricultural) to Z.14 (Gravel Pit), Zone 12A- Z.12A (Environmental Protection 1) and an overlay of Zone 12 C – Z.12C (Adjacent lands overlay) to the operation of a Category 1 – Class A pit below the water table to be established. An Official Plan Amendment is proposed to amend Maps 2B, 6A, and 6C within the Township Official Plan to designate the wetland onsite as Environmental Constraint lands, Hazards lands, and as a Provincially Significant Wetland (“PSW”).
8.0 CONCLUSIONS:

1) OPA #15 and the By-law for ZC-11/08 as proposed:

   (a) are consistent with the PPS (subject to the outcome of the multi-party negotiations being implemented through the pit licence process);
   (b) conform to the Growth Plan;
   (c) conform to or do not conflict with the ROPP; and
   (d) conform to or do not conflict with the Township’s Official Plan.

2) The proposed By-law does not conflict with any provisions of the Zoning By-law that it will amend.

In my professional planning opinion these steps represent appropriate planning of the future development of the subject land.

Submitted by:

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Consulting Township Chief Planner
K. SMART ASSOCIATES LIMITED

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Student Planner
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Attachments:  
Appendix A: A-1 Public Meeting Minutes  
Appendix B: B-1 CBM Bromberg proposed pit plans  
B-2 MHBC email July 8/11 re site plan notes  
B-3.1 Site Plan notes  
B-3.2 Township Site Plan comments for MNR  
B-4 Scenarios (MHBC – for information purposes only)  
Appendix C: Correspondence  
C-1 Stantec -- Nov 26, 2009  
C-2 MHBC -- May 18, 2009  
C-3 MAH -- June 28, 2010 re Provincial Interest  
C-4 MNR -- June 29, 2010 to CBM St Marys  
C-5 Region of Waterloo -- Dec 24, 2010 to MNR  
C-6 MHBC -- Feb 8, 2011  
C-7 Region of Waterloo -- June 23, 2010  
C-8 MNR -- April 21, 2011  
C-9 RMW – June 1, 2011  
C-10 CBM -- June 27, 2011
Region of Waterloo Biosolids Master Plan Update

Presentation to P&W Committee

August 16, 2011
Master Plan Decision-Making Process

World of Biosolids Alternatives

Step 1
(Presented in Figure)

Fatal Flaw Screening

Step 2

The Long List

Biosolids Strategies

Step 3

Detailed Evaluation

The Short List of Biosolids Strategies

Step 4

Analysis

Step 5

Ranked Strategies

Step 6

Preferred Biosolids Strategy

Legend
- Technologies
- Products
- End Uses

Must Have Criteria

Eliminates options that do not meet ‘Must Have Criteria’ (Integration, Sustainability, and Reliability)

Create strategies by combining long list options

Lower scoring options are eliminated from further evaluation

Life Cycle Assessment
Short Listed Strategies

• I: Contracted Disposal (incineration)
• II & IV: Heat-drying
  – II: Multiple sites (Waterloo, Kitchener, Galt)
  – IV: Centralized facility
• III: Stabilization (Lystek) & land application

  – Common to all:
    • Anaerobic digestion at larger plants with co-gen
    • Thermal aerobic digestion at smaller plants
Preferred Strategy

Elmira

Kitchener Waterloo* Galt (+ Preston)
- Anaerobic Digestion
  - Co-generation
  - Renewable fuel, Fertilizer
  - Electricity

Ayr (+New Hamburg & Hespeler)
- High Temperature Aerobic Digestion
  - Land application

* Conestogo, St. Jacobs, Heidelberg and Wellesley biosolids are transported to the Waterloo WWTP.
Heat Drying

Cake

Transportation

Dried material

Dryers
Heat Drying

• Reduces volume significantly (90% solids)
• Established technology: >100 installations in North America; 7 in Canada
• Provides flexibility for biosolids management
• Engineered to high Health & Safety Standards:
  – Fire risks managed through design & installation of safety features
  – Advanced equipment/instrumentation controls and standard operating procedures to mitigate risk
Benefits/Sustainability

• Use of heat-dried material as renewable fuel in cement kilns – coal replacement
• Use of heat-dried material as fertilizer:
  – 4 to 7% Nitrogen
  – 4 to 6% Phosphorus (as $\text{P}_2\text{O}_5$)
• Helps conserve natural gas, coal, phosphate and sulfur resources
• Potential to use sustainable energy by recovering waste heat or biogas
Additional Benefits

- Provides a long-term solution
- Provides diversity and flexibility
- Reduces the operational footprint of biosolids management
- Produces energy from biogas
- It is cost effective
- Produces a high quality dried material
  - Can be CFIA registered for use as a fertilizer
- Meets the Region's goals for environmental sustainability
Proposed Implementation

**Environmental Assessment Period**
- ATAD (at the Ayr WWTP) - Schedule B
- Heat Drying (at a centralized location in the Region) - Schedule B
- Dewatering (at the Elmira WWTP) - Schedule A
- Cogeneration (at the Kitchener, Galt, and Waterloo WWTPs) - Schedule A

**Implementation of the Preferred Strategy**
- ATAD at the Ayr WWTP
- Heat Drying at a centralized location in the Region
- Dewatering at the Elmira WWTP
- Cogeneration at the Kitchener, Galt, and Waterloo WWTP

**Timeline:**
- Current: 2011
- Future: 2021, 2026, 2031, 2036, 2041
Thank You