



December 18, 2020

Clinton Stredwick
Municipal Planner
Township of Southgate
185667 Grey County Rd 9
Dundalk ON N0C 1B0

Dear Mr. Stredwick,

**RE: Site Plan Application SP13-20
100 Eco-Parkway, Dundalk
Township of Southgate (Geographic Township of Proton)
Applicant: Petawawa Biofuel LP**

The Grand River Conservation Authority (GRCA) has now had the opportunity to review the Servicing & Stormwater Management Report and site plans submitted in support of the above noted application.

Based on the information provided, the GRCA recommends deferral of the site plan application to allow the applicant an opportunity to respond to the comments provided below.

Required Comments:

1. GRCA does not accept the Rational Method for sizing of stormwater management facilities. Please provide hydrologic modelling for development of peak flows for existing and proposed conditions for all design storms.
2. Water quality and water quantity control measures should be demonstrated to achieve enhanced quality control and attenuation of post-development flows to pre-development rates as per the MECP Stormwater Management Planning and Design Manual, 2003. Please provide all calculations and modelling files in support of the stormwater management facility, including digital modelling files.
3. Due to the grading and berm proposed within the floodplain, a cut and fill balance is required to offset the loss of floodplain storage. The volume of fill proposed in the floodplain should be determined to ensure an equal amount of soil material is removed from within the regulatory floodplain on the property.

Advisory Comments to the Municipality:

4. The stormwater management report indicates that Oil and Grit Separators (OGS) can remove 84% of total suspended solids. Although manufacturers do indicate that this is

possible, GRCA will only accept OGS Units to remove 50% TSS, including ETV certified units. Nevertheless, we do support the use of OGS units in a treatment train.

5. To achieve Enhanced Water quality control, additional BMPS such as enhanced grassed swales or other measures should be included in the stormwater management design.

Please be advised that the GRCA Review fee of \$420 will be invoiced to the applicant.

Should you have any questions regarding this letter, please contact the undersigned at 519-621-2763 ext. 2231 or lwarner@grandriver.ca.

Sincerely,



Laura Warner
Resource Planner
Grand River Conservation Authority

c.c. Elisha Milne, Township of Southgate (via email)
Mark Bell, Petawawa Biofuel LP (via email)