



Township of Georgian Bluffs & Township of Chatsworth BioGRID Joint Board Agenda



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July 12, 2019, 9:00 a.m., Georgian Bluffs Council Chambers

1. Call to Order

2. Declaration of Pecuniary Interest and the General Nature Thereof

3. Minutes of the Previous Meeting

a) May 17, 2019

Recommendation: That the Joint Board adopt the minutes of the meeting held on May 17, 2019.

4. Additions to the Agenda

5. Delegations or Deputations

6. Correspondence

a) MOECP - Food and Organic Waste Technical Working Group

Recommendation: That the Georgian Bluffs - Chatsworth Joint Board receives the MOECP - Food and Organic Waste Technical Working Group presentation paper for information.

b) Monthly Wastewater Reports – April 2019 – May 2019

Recommendation: That the Georgian Bluffs - Chatsworth Joint Board receives the Monthly Wastewater Reports for April 2019 to May 2019 from Aquatech Canadian Water Services Inc / GSS Engineering Consultants Ltd for information purposes

c) McSound Investments – Waste Water Disposal Agreement with McSound Investments

For the Boards consideration and direction.

7. Public Question Period

8. Reports

a) BioGRID Financial Statements - Year to Date

Recommendation: That the Georgian Bluffs-Chatsworth Joint Board receives the BioGRID Financial Statements – Year to Date for information purposes.

b) OPS2019-73 Generator Engine Rebuild

Recommendation: That the BioGRID Joint Board recommend that the Council of the Township of Georgian Bluffs and the Council of the Township of Chatsworth waive section 4.1 of the Georgian Bluffs purchasing policy (By-Law 2019-47) and award the Generator Engine Rebuild to The Wright Automotive Machine Shop at a cost of \$40,200.00.

9. Unfinished Business

- a) Discussion on the tour of the Dufferin SSO Plant with Ontario Clean Water Agency

10. New Business

11. Date of Next Meeting

12. Adjournment



Township of Georgian Bluffs & Township of Chatsworth BioGRID Joint Board Minutes



This document can be made available in other accessible formats or with communications supports as soon as practicable and upon request.

May 17, 2019, 9:00 a.m., Georgian Bluffs Council Chambers

Members Present:

Mayor Dwight Burley
Mayor Scott Mackey (Arrived at 9:49 a.m.)
Deputy Mayor Sue Carleton
Deputy Mayor Brian Gamble

Staff Present:

Rick Winters, CAO/Director of Operations – Georgian Bluffs
Patty Sinnamon, CAO/Clerk – Chatsworth
Kassandra Rocca, Treasurer – Georgian Bluffs
Val Manning, Treasurer – Chatsworth
Brian Anderson, Operations & IT Coordinator – Georgian Bluffs (Recording Secretary)

1. Call to Order

The meeting was called to order by Mayor Burley at 9:06 a.m.

2. Election of Chairperson

Mayor Burley transferred the chair to Brian Anderson, Recording Secretary who called for nominations for Chair of the BioGRID Joint Board.

Deputy Mayor Sue Carleton nominated Mayor Dwight Burley, Mayor Burley accepted the nomination.

No further nominations were received, by show of hands, all board members present confirmed Mayor Burley as Chair.

The Recording Secretary transferred the chair to Mayor Burley to continue the meeting.

3. Declaration of Pecuniary Interest and the General Nature Thereof

None declared.

4. Minutes of the Previous Meeting

a) November 16, 2018

Moved by: Deputy Mayor Gamble

Seconded by: Deputy Mayor Carleton

That the Georgian Bluffs – Chatsworth BioGRID Joint Board adopt the minutes of the meeting held on November 16, 2018.

Carried – Resolution Number BIO-2019-01

5. Additions to the Agenda (if required)

None

6. Delegations or Deputations (if required)

a) Traci Smith, BDO

i) Audit Planning Letter

ii) Draft Financial Statements

iii) Final Reporting Letter

Traci Smith provided the Board with a high level overview of the draft financial statements. They remain in draft format until approved by the board.

Ms. Smith also noted that these statements are being presented in a different format than in the past and this will affect all organizations

As noted in prior years, BDO must once again issue a qualified opinion as the actual revenue cannot be accurately confirmed.

The Due To and Due From accounts were reconciled in 2019, Georgian Bluffs is still floating the BioGRID \$150,000.00 for the operating fund.

There has been no increase in capital reserves since 2005.

The BioGRID did registered a small surplus due to the timing of year end services and invoicing.

The Board thank Traci for her presentation.

Moved by: Deputy Mayor Gamble
Seconded by: Deputy Mayor Carleton

That the Georgian Bluffs – Chatsworth BioGRID Joint Board approve the draft financial statements as presented by BDO.

Carried – Resolution Number BIO-2019-02

7. Correspondence

- a) Monthly Wastewater Reports – October 2018 – March 2019

Moved by: Deputy Mayor Carleton
Seconded by: Deputy Mayor Gamble

That the Georgian Bluffs-Chatsworth Joint Board receives the Monthly Wastewater Reports for October 2018 to March 2019 from Aquatech Canadian Water Services Inc / GSS Engineering Consultants Ltd for information purposes.

Carried – Resolution Number BIO-2019-03

- b) 2018 Annual Performance Report

Moved by: Deputy Mayor Carleton
Seconded by: Deputy Mayor Gamble

That the Georgian Bluffs - Chatsworth Joint Board receives the 2018 Annual Performance Report from Aquatech Canadian Water Services Inc / GSS Engineering Consultants Ltd for information purposes.

Carried – Resolution Number BIO-2019-04

It was noted that chloride levels were elevated. The engineer will continue to sample quarterly to see if this could be a water softener back wash issue from either commercial (year round) or residential (winter only).

8. Public Question Period

- a) Bill Wilson asked about haulers taking the septage to the Biodigester. Staff responded that once the hauler has loaded it he is under no obligation to dispose of at the biodigester.
- b) Pam Wilson asked if the septage can't be guaranteed to be taken to the biodigester why are we promoting it? Also she had a concern about the Environmental Impact and how land spreading be controlled.

9. Reports

a) Draft 2019 Budget

Moved by: Deputy Mayor Carleton
Seconded by: Deputy Mayor Gamble

That the Georgian Bluffs - Chatsworth Joint Board adopts the proposed 2019 budget.

Carried – Resolution Number BIO-2019-05

b) OPS2019-53 Amendment to the Agreement with Terracedent

Moved by: Deputy Mayor Carleton
Seconded by: Deputy Mayor Gamble

That the BioGRID Joint Board recommend to the Council of the Township of Georgian Bluffs and the Council of the Township of Chatsworth that the amendment to the Terracedent agreement be approved by both Councils and the necessary by-laws be passed.

Carried – Resolution Number BIO-2019-06

c) OPS2019-54 Waste Water Disposal Agreement – Jorcon Holdings Inc. (Owen Sound Subaru)

Moved by: Deputy Mayor Carleton
Seconded by: Deputy Mayor Gamble

That the BioGRID Joint Board recommend to the Council of the Township of Georgian Bluffs and the Council of the Township of Chatsworth that both Municipalities enter into an agreement to receive sewage from Jorcon Holdings at the current tipping rate of \$25.00 per cubic metre to be disposed of at the biodigester site as per the current tipping price in the fees and services by-law.

Carried – Resolution Number BIO-2019-07

10. Unfinished Business

None

11. New Business

a) Date to tour Dufferin SSO Plant with Ontario Clean Water Agency

The Dufferin SSO is currently being operated by OCWA. The Board has been invited to attend along with representatives from Owen Sound and Meaford should they be interested.

The Board agreed that either June 14th or 21st would be acceptable depending on OCWA's schedule.

b) Grey County Warden

The Warden for Grey County will be coming for a tour of Georgian Bluffs and the Biodigester will be one of the locations to be visited.

12. Date of Next Meeting

The next meeting will be July 12th at 9:00 in the Township of Georgian Bluffs Administration Offices

13. Adjournment

The meeting adjourned at 9:57 a.m. on a motion moved by Deputy Mayor Gamble.

Dwight Burley, Chair

Brian Anderson, Recording Secretary

Ministry of the Environment, Conservation and Parks

Food and Organic Waste Technical Working Group

June 26th, 2019

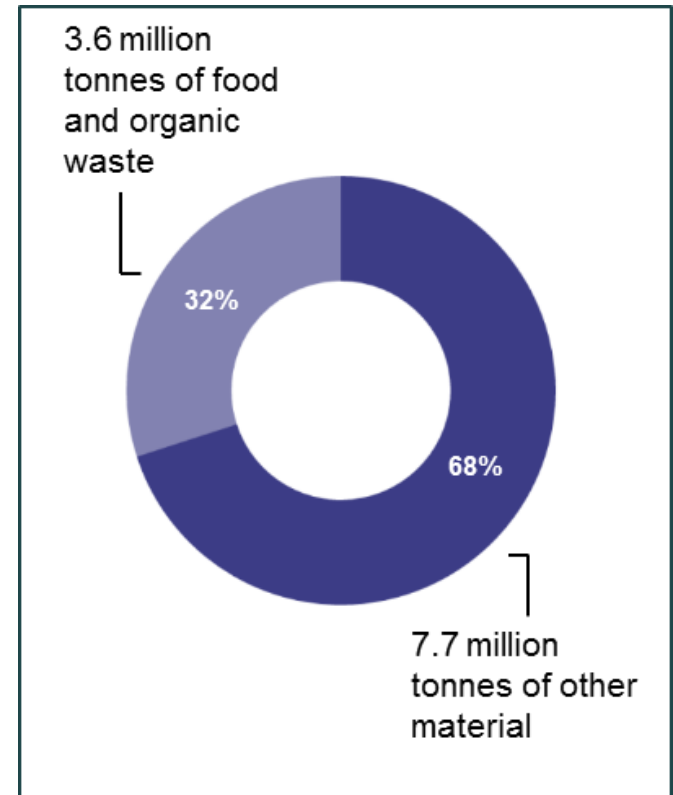
Context

- The Environment Plan and Discussion Paper on Reducing Litter and Waste in Our Communities committed the government to the following five actions on food and organic waste:
 1. Develop guidance to help municipalities, businesses and institutions meet their targets under the policy statement.
 2. Educate the public and business about reducing and diverting food and organic waste.
 3. Develop guidance for the safe donation and rescue of surplus food (in partnership with Ministry of Health).
 4. Develop a proposal to ban food waste.
 5. Provide clear rules for compostables and ensure compostables are accepted by existing and emerging green bin programs.
- In order to support this work, the ministry has convened a stakeholder steering committee and technical working groups.
- These groups will meet over the summer and fall to discuss a variety of issues including compostables, policy statement guidance, modernization of organic waste permissions and end-markets.

This technical working group is intended to discuss the implementation of the Food and Organic Waste Policy Statement and related guidance.

Background and Considerations

- About \$31 billion worth of food is wasted annually in Canada, of which about half occurs at the household level and the rest where food is grown, processed, transported and sold.
- Organic waste, such as food waste and scraps, make up about one third of Ontario's waste stream. When this material ends up in landfills, it creates methane, a potent greenhouse gas. The waste sector accounts for approximately 4% of greenhouse gas emissions in Ontario.
- In 2016, Ontarians generated about 11.3 million tonnes of waste. This includes 3.6 million tonnes of food and organic waste with just over 60% being sent for disposal, mostly to landfill.
- The industrial, commercial and institutional (IC&I) sector sends almost 75% of its organic waste to disposal, mainly to landfills.
- Most large municipalities in Ontario have voluntarily established household organic waste programs (i.e. green bin programs) to divert food waste and non-recyclable or soiled paper.
- Over 90 municipalities currently have green bin programs in place which accounts for 62% of Ontario households.



Policy Statement Overview

- The Food and Organic Waste Policy Statement, issued under the RRCEA, is an outcome based tool, which came into effect April 30, 2018.
- The policy statement is not a regulation, but provides legally-binding direction to, and sets targets for, both the public and private sectors to reduce and divert food and organic waste. The sectors include:
 - Provincial ministries
 - Municipalities
 - Industrial, Commercial and Institutional (IC&I) sector
 - Waste management industry
- The policy statement provides direction on the following areas:
 - Targets for reduction and diversion of food and organic waste
 - Prevention and reduction of food waste
 - Rescue of surplus food
 - Compostable products and packaging
 - Supporting infrastructure
 - Promoting beneficial end uses
- Parties subject to the statement must "be consistent with" any applicable policies.
- In cases of inconsistency, the province may request information on their efforts to be consistent and publicly disclose information relating to these efforts.



Areas for Discussion

The Policy Statement directs the province to (Policy 8.5):

- *Work with municipalities, the IC&I sector and others to develop guidance to support measurement and achievement of the targets established in the Policy Statement. Guidance could include:*
 - *Clarification on the types of food and organic waste collected for resource recovery.*
 - *Guidelines for establishing a baseline measurement used for measuring progress.*
 - *Clarification on how prevention, the rescue of surplus food and resource recovery efforts can be counted towards the targets.*

The Ministry is seeking advice from the Technical working group related to:

- Targets and how best to establish a baseline and measure progress.
- Monitoring compliance and reporting.

As we go through direction provided in the Policy Statement on targets and compliance, think about:

- 1. How best to ensure those entities captured are aware of their requirements?**
- 2. What types of guidance materials/tools would be helpful to assist those captured to meet requirements?**
- 3. How you or your association could help with #1 and 2 above?**

Targets



Overview of Targets by Sector

The policy statement sets targets for municipalities, industry, businesses, institutions and owners of multi-residential buildings to reduce and divert food and organic waste.



Single Family Residential

Existing curbside systems – by 2023

- 70% target (maintain/expand curbside).

Southern Ontario – by 2025

- 70% target for municipalities with population > 50,000 and density ≥ 300 persons per km².
- 50% target for municipalities with population > 50,000 and density ≤ 300 persons per km² or population 20,000 to 50,000 and density ≥ 100 persons per km².

Northern Ontario – by 2025

- 50% target for municipalities with population > 50,000 and densities ≥ 300 persons per km².



Multi-Unit Residential

50% target - by 2025

- Applies to multi-residential buildings (O.Reg. 103/94) with units of 6 or more in municipalities with populations of 5,000 or greater.

Other direction:

- Implement best practices.
- Provide promotion and education to residents.



IC&I Sector

Industrial & commercial – by 2025:

- 70% target for large facilities (O. Reg. 103/94) which generate 300kg/week or more.
- 50% target for other facilities which generate 300kg/week or more.
- All others – best efforts.


Institutions – by 2025

- 70% target for large facilities (O. Reg. 103/94) which generate 150kg/week or more.

Collected food and organic waste shall be sent for diversion and source separated food and organic waste should not be sent for disposal. Steps should also be taken to minimize contamination.

Materials to be Collected

The policy statement sets what materials count towards meeting the targets.



Shall include: Food waste, organic waste resulting from food preparation, soiled paper, and leaf and yard waste.

Encouraged to include:
Personal hygiene wastes
Sanitary products
Additional paper fibre products
Compostable products and packaging
Seasonal outdoor wastes
Pet waste.

Targets can be achieved through the following **prevention and/or diversion** actions:

- Prevention of food waste
- Rescue of surplus food
- Diversion of food and organics

What can be counted towards targets?

- **Food waste** is defined in the glossary as the edible parts of plants and animals that are produced or harvested but not ultimately consumed. This can include:
 - Food scraps from food preparation, serving, and consumption
 - Surplus food that is not suitable for safe redirection
 - Food that has spoiled or is inedible
- **Organic waste** resulting from food preparation can include inedible food materials such as:
 - Inedible seeds and nuts
 - Bones and seafood exoskeletons
 - Husks, shells and peels
 - Coffee grounds, coffee filters, and teabags
- **Soiled paper** is also a major component of food and organic waste that needs to be reduced or recovered. Soiled paper can include hand towels, napkins, tissues, and other paper products that are too soiled for recycling.
- **Municipalities subject to targets can include additional organic wastes** not associated with food preparation or soiled paper, including:
 - Leaf and yard wastes include leaves, brush, branches, and outdoor plants
 - Seasonal outdoor wastes, including Christmas trees, pumpkins, and decorative gourds
 - Flowers and houseplants

How can entities achieve targets?

- The following activities can count towards the **prevention and reduction** of food waste:
 - Promotion and education efforts to reduce consumer food waste
 - Reducing food waste throughout the supply chain by collaborating with suppliers, logistics providers and retailers
 - Reducing food waste at sourcing, purchasing, ordering and buying stages
 - Reducing food waste in production and operations and improving operational efficiency including storage, handling, processing, preparation, portioning, menu planning
- **Donation of surplus food** to food rescue organizations, social service agencies and food banks can count toward the rescue and redirection of surplus food before it becomes waste.
- The following activities can count towards the **diversion of food and organic waste**:
 - Redistribution/sale of food scraps to animal feed or other agricultural products
 - Collection and diversion of source separated food and organic waste through the provision of green bin programs
 - Diversion of food and organic waste through the provision of community composting sites or local event days
 - Diversion of food and organic waste through the provision of home composting units to residents and households
 - Collection and diversion of food and organic waste through mixed waste processing

How can entities measure targets?

- Persons or entities would measure the baseline year performance, set by MECP, on food and organics including (where possible and applicable):
 - **Generated** – entity measures this using in-house waste audits, accounting measures and inventory counting
 - **Rescued (donated)** – charities/organizations receiving donations
 - **Recovered (compost/anaerobic digestion/beneficial uses)** – haulers/specialty recyclers receiving waste for recovery
 - **Disposed (landfill)** – haulers receiving waste for disposal
- Ideally data would be gathered from a full year of activity, however if this is not available, data can be extrapolated from a short timeline.
- Diversion would be measured against the established baseline.
- Persons or entities will then assess their waste reduction and resource recovery efforts, make changes where necessary and re-measure until their target is met.
- It is recommended that prevention and reduction efforts are calculated separately from the donation of surplus food. Waste reduction cannot exceed more than the percentage of the total reported target.

Overview of calculator



Sample Calculator for Industrial & Commercial Facilities

Target Calculator For Industrial & Commercial Facilities

E - For Food and Organic Waste Only

Target Year	2025
Waste Reduction Rate	
Resource Recovery Rate	
Combined Waste Reduction & Resource Recovery Rate	
Waste Reduction & Resource Recovery Target	

Please select data input source (below)

Data Input Source

Is the establishment subject to O. Reg. 103/94 under the *Environmental Protection Act* ?

Please respond to the question (above)

Baseline Year (If Applicable)		Please select a year
Target Year	2025	

Overall Waste Diversion Rate

Baseline Year (%)	Target Year (%)
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Metric	Metric
Week	Week

	Baseline Year (kg/day) (Waste Audit)	Target Year (kg/day) (Waste Audit)	Baseline Year (kg/week OR year) (Waste Audit)	Target Year (kg/week or year) (Waste Audit)	Baseline Year (kg/year) (Direct Input)	Target Year (kg/year) (Direct Input)	Baseline Year (kg/year) (Total)	Target Year (kg/year) (Total)
Total waste generated	-	-	-	-	-	-	-	-
Food and organic waste generated	-	-	-	-	-	-	-	-
Waste in the Disposal Stream	-	-	-	-	-	-	-	-
Food and Organic Waste			-	-			-	-
All other wastes (non-organic) (if available)			-	-			-	-
Materials Diverted & Redistributed	-	-	-	-	-	-	-	-
Food and Organic Waste			-	-			-	-
All other wastes (non-organic) (if available)			-	-			-	-
Food Rescued/Donated			-	-			-	-

Compliance with direction on diversion



Diversification by Municipalities – Applicable Policies

	Municipalities with existing green bin systems		South Population > 50k Density > 300 pp/km ²	South Population > 50k Density < 300 pp/km ²	South Population > 20k Density > 100 pp/km ²	North Population > 50k Density > 300 pp/km ²
Target	70% by 2023		70% by 2025	50% by 2025		
Collection Method	Must maintain curbside, source separated collection		Must provide curbside collection, source separation preferred	Curbside collection and source separation optional but preferred		Must provide curbside collection, source separation preferred
Alternatives	Alternatives (e.g. mixed waste processing) can be used to supplement existing collection		Alternatives (e.g. mixed waste processing) can be used if targets can be achieved			
Who*	<ul style="list-style-type: none"> • Toronto • York • Ottawa • Hamilton • Peel • Halton • Durham • Niagara • Simcoe County • Guelph • Waterloo • Kingston • St Thomas • Barrie • Muskoka 	<ul style="list-style-type: none"> • Sudbury • Meaford • Orillia • Madawaska Valley • Perth (town) • Southgate • Blue Mountain • Belleville • Prince Edward County • Quinte West • Petawawa • Pembroke • Laurentian Valley 	<ul style="list-style-type: none"> • London • Windsor • Brantford • Peterborough • Sarnia 	<ul style="list-style-type: none"> • Chatham, within Chatham-Kent • Lindsay, within Kawartha Lakes • Simcoe, within Norfolk County 	<ul style="list-style-type: none"> • Cornwall • Woodstock • Stratford • Brockville • Owen Sound • Amherstburg • Leamington • LaSalle • Tecumseh 	<ul style="list-style-type: none"> • Thunder Bay • Sault Ste. Marie

*Based on 2016 Statistics Canada data.

When do municipalities have to come into compliance?

- The Resource Recovery and Circular Economy Act, 2016 requires municipalities to make amendments to official plans, zoning by-laws, other by-laws and prescribed instruments to be consistent with applicable policies in the Policy Statement within the following timeframes:

Tool	Timeframe for Consistency
Official Plans	Aligned with timelines noted in the Planning Act
Zoning by-laws	Three years after related Official Plan amendment
By-laws relating to waste reduction and resource recovery	Within two years of the Policy Statement coming into effect
Prescribed instruments	Within two years of the Policy Statement coming into effect

Which businesses do requirements apply to?

- **Retail shopping establishments:** the owner of an establishment that sells goods or services at retail to persons and whose establishment is at least 10,000 square metres or is located in a retail shopping complex and the owner of the establishment is solely responsible for waste management.
- **Retail shopping complexes:** the owner of a complex that contains premises occupied by establishments that sell goods or services at retail and whose complex is at least 10,000 square metres.
- **Restaurants:** the owner of a stand-alone restaurant, including a take-out restaurant, whose gross annual sales equal or exceed \$3 million for all restaurants operated by the owner.
- **Large manufacturing establishments:** the owner or operator of a manufacturing establishment where total annual hours worked by employees exceeds 16,000 hours.
- **Office buildings:** the owner of a building or group of buildings that has at least 10,000 square metres of office space.
- **Hotels and motels:** the owner of a hotel or motel that has more than 75 units.

*As defined in O. Reg. 103/94 of the Environmental Protection Act.

Diversion by businesses – Applicable Policies

	Large facilities with organic waste generation ≥300kg/per week	Other facilities with organic waste generation ≥300kg/per week	All facilities with organic waste generation <300kg/per week
Who	<ul style="list-style-type: none"> Large facilities defined in Reg. 103/94 (EPA), e.g. retail shopping and office building 10,000m² area Generate more than 300 kg per week Already source separate recyclables under Reg. 103/94 In communities with over 5000 people 	<ul style="list-style-type: none"> All other facilities <u>not</u> subject to O. Reg. 103/94 which generate over 300kg per week 	<ul style="list-style-type: none"> Includes all facilities which generate less than 300kg per week
Target	70% by 2025	50% by 2025	Best effort
Source separation	Yes	Yes	Preferred
Estimated facilities impacted*	<ul style="list-style-type: none"> Hotels – with 300 rooms Full service restaurant – serving over 2000 meals per week Fast food restaurant – serving over 3000 meals per week Grocery store – with over 20 staff Food processors with 100 staff 	<ul style="list-style-type: none"> Hotels – with 100 rooms Full service restaurant – serving over 1320 meals per week Fast food restaurant – serving over 1600 meals per week Grocery store – with over 11 staff 	All other facilities

*Based on estimates from other jurisdictions.

Diversion by Multi-residential Buildings

	Provide collection of food and organic wastes for their residents
Who	<ul style="list-style-type: none"> • Owners of multi-residential buildings that have 6 or more units across Ontario • Already source separate recyclables (O. Reg. 103/94, under the EPA) • Are located in communities with populations of 5000 or more
Target	50% by 2025
Source separation	Preferred
Potential buildings impacted	<ul style="list-style-type: none"> • Approximately 1.4 million units (out of a total 1.5 million units in Ontario) • Approximately 98% of these are located in Southern Ontario and 2% in Northern Ontario • Approximately 95% of these units are located in municipalities that provide or are directed to provide collection. Where collection is not available on-site technologies could be used.

Based 2016 RPRA and Statistics Canada data.

Additional Considerations:

- Some municipalities require new multi-residential developments to include infrastructure for organics diversion (e.g. Toronto, Markham, Richmond Hill, Vaughan).
- It is estimated that 10% or more of Ontario’s multi-residential units have tri-sorter chutes.
- More than 9 municipalities run organics programs or pilots for multi-residential units.
- Barrie, Guelph, Halton and Toronto require multi-residential buildings that they service to source separate.
- Many low-rise buildings can source separate without chutes (e.g. “green bins” placed in a suitable location for tenants to use).

Diversion by Institutions

	Schools	Colleges & Universities	Hospitals
Who	<ul style="list-style-type: none"> Large educational institutions with 350 or more students Generate 150kg / week or more of waste Already subject to source separate recyclables under Reg. 103/94 (EPA) In communities with over 5000 people 		<ul style="list-style-type: none"> Large hospitals - class A, B or F (Reg. 964) General hospitals with 100 beds, chronic hospitals with 200 beds Generate 150kg / week or more of waste Already subject to source separate recyclables under Reg. 103/94 (EPA) In communities with over 5000 people
Target	70% by 2025		
Source separation	Yes		
Estimated facilities impacted	1020 schools (20% of schools)	39 university campuses 58 college campuses	61 systems (86 hospital locations)

Based on estimates from Ontario and other jurisdictions.

Additional Considerations:

- More than 90% of those above are located in municipalities that will have collection systems upon implementation.
- Some municipalities such as Toronto, Waterloo and Ottawa already offer green bin programs to schools.
- More than 1700 schools across Ontario have been certified by EcoSchools, which assesses waste management.
- A number of hospitals already divert food waste, including in Toronto, Ottawa, Lindsay, Guelph, and Cornwall.

When do businesses, institutions and multi-residential have to come into compliance?

- Where the Resource Recovery and Circular Economy Act, 2016 requires the industrial, commercial and institutional sectors and waste management service providers to ensure that things are done in a manner that is consistent with applicable policies, the Policy Statement provides the following timelines for consistency:

Policies	Timeframe for Consistency
Applicable parties subject to one or more policies in Section 3 (Reduce Food Waste)	Within one year of the Policy Statement coming into effect
Applicable parties subject to policy 4.2 to 4.5 and 4.10 to 4.17 (Recover Resources from Food and Organic Waste)	Within the timelines established for targets in policy 2.1 (2023 to 2025)
Applicable parties subject to any other policy not identified above	Immediate upon the Policy Statement coming into effect

Review and Reporting Requirements

While the Policy Statement does not have traditional compliance and enforcement measures, the Resource Recovery and Circular Economy Act, 2016, allows for regulation-making authority to enable outcome-based review and reporting requirements:

Review

- Under the RRCEA, the Ministry can initiate a review of an entity's activities to determine the extent to which they are consistent with the Policy Statement.
- The entity would be required to report on the extent to which the target is being achieved.
- The Ministry can make the results of the review available to the public.

Report

- Under the RRCEA, if the Ministry finds the entity has failed to conduct the review or is not consistent with the Policy Statement it would require them to submit a report to describe the steps they would take to come into consistency and the proposed timelines for doing so.
- The Ministry can make the results of the report available to the public.

Potential tools for guidance and outreach

- Updated Ontario.ca webpage with guidance materials:
 - Could be generic or sector based
 - Could include web-based calculator, reporting templates (e.g. which could report aggregated data through respective associations or through other corporate social responsibility reporting)
 - Could link to other web-pages, including education/outreach, reporting, etc.
- Webinars for select sectors, working through associations.
- Updated web-pages and resources could be offered by associations, as per Policy Statement:
 - *3.2 Retail shopping establishments and retail shopping complexes that generate food waste, restaurants, hotels and motels and food processors that are large manufacturing establishments shall, in partnership with their industry associations, provide sector-based promotion and education to promote operational best practices that can prevent and reduce food waste.*
 - *4.8 Municipalities, working with municipal associations, shall provide promotion and education materials to residents that support and increase participation in resource recovery efforts available to residents of their community.*
 - *4.17 All retail shopping establishments, retail shopping complexes, office buildings, restaurants, hotels and motels, and large manufacturing establishments shall provide users of these facilities promotion and education materials that support and increase participation in resource recovery efforts.*

Questions for Group Discussion

- The following questions will help inform a path forward on the implementation of the Policy Statement and development of future guidance materials:
 1. Is there existing data that can make it easier to calculate progress?
 2. While waste audits would provide the most accurate information, what role could other comparable measures or proxies to assess food waste generation play in helping entities establish a baseline?
 3. How should the Ministry disseminate information to assist with compliance?
 4. How should data be gathered and reported? Could industry associations and existing corporate social responsibility reporting efforts play a role?
 5. What role could industry and municipal associations play in assisting in the provision of guidance?
 6. What other areas of guidance would be helpful?

1. Introduction

The team of Aquatech Canadian water services Inc. and GSS Engineering Consultants Inc. took over the operation of the Georgian Bluffs / Chatsworth Biodigester and the Derby Wastewater Treatment plant on January 1, 2016. The following report summarizes operational data, maintenance activities and compliance issue identified during the month of April, 2019. This report includes all information required under the Georgian Bluffs / Chatsworth Services Agreement.

2. Wastewater System – Derby Lagoons

2.1. Influent Flows (sewage)

The influent flows are determined through records provided by the Septic hauler and are tabulated as follows; for the month of April, the total influent flow was 748.07 m³, with an average daily flow of 24.94 m³ or approximately 43.37% of the rated capacity based on the monthly average.

2.2. Organic Volumes

The volumes for the organics are determined through records provided by the haulers and are tabulated as follows; for the month of April, the total volume of organics was 161.03 m³ with an average daily volume of 5.37 m³.

2.3. Total Volumes organics/sewage

The total volumes for the site are tabulated as follows; for the month of April, the total volumes was 909.10 m³ with an average daily flow of 30.30 m³ or approximately 52.70% of the rated capacity based on the monthly average.

2.4. Treated Flows

The irrigated flows were shut down on 31 October, 2018 for the season. As per the Certificate of Approval, spray irrigation will resume in May 2019.

Georgian Bluffs / Chatsworth Biodigester
and
Derby Wastewater Treatment Plant
Monthly Report – April 2019

15-057

2.5. Required Analysis as per Amended Certificate of Approval #4027-84PQMX

Table 1 Required Analysis - Adjacent Monitoring Wells/Ponds									
Date	Location	Conductivity (umho/cm)	Chlorides (mg/L)	Nitrate (mg/L)	pH	Total Phosphorus (mg/L)	Total Ammonia (mg/L)	Unionized Ammonia (mg/L)	Nitrite (mg/L)
	TW#1								
	TW#1A								
	TW#2								
	TW#2A								
	TW#3								
	TW#3A								
	TW#4								
	TW#4A								
	TW#5								
	TW#6								
	TW#6A								
	TW#7								
	TW#7A								
	TW#8								
	TW#9								
04/24/19	SW-North	775	81.1	<0.05	8.01	0.01	0.09	<0.01	<0.05
04/24/19	SW-East	1070	195	0.18	8.03	0.03	0.03	<0.01	<0.05
04/24/19	SW-West	515	13.2	<0.05	8.16	<0.01	0.03	<0.01	<0.05
Notes: Nitrites were non detectable, F – Frozen, TW – Test Well, SW – Surface Water Pond									

2.6. Repairs and Maintenance Details

Routine maintenance was done at the site. Flowmetrix onsite to verify flow meters. Turbo bolts had to be replaced.

2.7. Regulatory Issues

There were no regulatory issues at the lagoon during the month of April, 2019

2.8. Consumer Complaints/Inquiry and Actions Completed

There were no odour complaints for the month of April.

2.9. Bio-Digester Operations

Table 2 Bio-Digester Operations – Tank Level									
Date	Hydrolyzer			FOG			Digester	Digestate Storage	
	Liquid Level (m ³)	Stored Waste Volume (m ³)	Available Waste Volume (m ³)	Liquid Level (m ³)	Stored Waste Volume (m ³)	Available Waste Volume (m ³)	Liquid Level (cm)	Liquid Level (Small) (m)	Liquid Level (Large) (m)
1	1.58	56.93	43.07	0.98	18.15	31.85	89	1.61	3.54
2	1.68	60.53	39.47	2.39	44.08	5.92	88	1.61	3.55
3	1.62	58.37	41.63	1.45	26.72	23.28	88	1.61	3.56
4	1.72	61.98	38.02	1.37	25.26	24.74	88	1.61	0.36
5	1.4	50.44	49.56	1.22	22.55	27.45	88	1.61	3.58
6	1.73	62.34	37.66	1.11	20.41	29.59	88	1.61	3.59
7	1.44	51.89	48.11	1	18.39	31.61	88	1.61	3.59
8	1.13	40.72	59.28	0.91	16.86	33.14	87	1.61	3.6
9	1.81	65.22	34.78	0.9	16.55	33.45	86	1.61	3.61
10	1.5	54.04	45.95	0.84	15.55	34.45	88	1.61	3.62
11	1.53	55.13	44.87	1.13	20.85	29.15	87	1.61	3.63
12	1.48	53.33	46.67	3.4	62.77	-12.77	87	1.61	3.64
13	1.36	49	51	3.04	56.11	-6.11	86	1.61	3.65
14	1.06	38.19	61.81	3.04	56.05	-6.05	87	1.61	3.65
15	1.03	37.11	62.89	1.96	36.16	13.84	88	1.61	3.66
16	1.31	47.2	52.8	2.62	48.32	1.68	87	1.61	3.67
17	1.1	39.64	60.36	2.11	39	11	87	1.61	3.69
18	0.93	33.51	66.49	3.04	56.12	-6.12	87	1.61	3.7
19	1.4	50.44	49.56	1.73	31.84	18.16	87	1.61	3.72
20	1.25	45.04	54.96	1.61	29.69	20.31	86	1.63	3.76
21	1.08	38.91	61.09	1.16	21.35	28.65	86	1.63	3.77
22	1.6	57.65	42.35	1.26	23.23	26.77	86	1.63	3.79
23	1.54	55.49	44.51	2.69	49.7	0.3	85	1.63	3.8
24	1.71	61.61	38.39	1.04	19.21	30.79	85	1.63	3.8
25	1.48	53.33	46.67	2.93	53.98	-3.98	86	1.63	3.81
26	1.36	49	51	2.56	47.2	2.8	87	1.63	3.2
27	2.1	75.67	24.33	2.61	48.12	1.88	87	1.78	3.8
28	1.77	63.78	36.22	2.5	46.2	3.8	86	1.78	3.81
29	1.52	54.77	45.23	2.12	39.06	10.94	86	1.78	3.82
30	1.76	63.42	36.58	2.64	48.73	1.27	86	1.78	3.83
31									

NOTE: Hydrolyzer maximum volume – 100m³ FOG maximum volume – 50m³ Digestate Storage maximum volume – 6415 m³

2.10. Bio-Digester Operations – Power Production and Generator Status

Table 3
Bio-Digester Operations – Power Production and Generator Status

Date	Time	Operator(s)	Generator Status	Intellimonitor (Kwh)	Produced (Kwh)	Active Power At time of Inspection (kw)	Generator	Run
1	08:28:0	TU	ON	3269698	734	40	56863	19
2	07:02:0	TU	ON	3270432	796	40	56882	21
3	07:10:0	TU	ON	3271228	147	40	56903	4
4	07:09:0	TU	OFF	3271375	0	0	56907	0
5	06:34:0	TU	OFF	3271375	793	0	56907	22
6	10:38:0	TU	ON	3272168	847	40	56929	22
7	10:33:0	TU	ON	3273015	733	40	56951	20
8	06:33:0	TU	ON	3273748	763	40	56971	20
9	06:44:0	TU	ON	3274511	733	40	56991	20
10	06:52:0	TU	ON	3275244	779	40	57011	20
11	06:57:0	TU	OFF	3276023	787	0	57031	21
12	06:31:0	TU	ON	3276810	997	40	57052	26
13	11:37:0	TU	ON	3277807	673	40	57078	18
14	11:37:0	TU	OFF	3278480	554	0	57096	15
15	06:11:0	TU	ON	3279034	679	40	57111	18
16	06:15:0	TU	ON	3279713	728	40	57129	19
17	06:20:0	TU	ON	3270441	810	40	57148	21
18	06:23:0	TU	OFF	3271251	847	0	57169	24
19	14:44:0	TU	ON	3272098	778	40	57193	21
20	13:59:0	TU	OFF	3272876	753	0	57214	20
21	12:58:0	TU	ON	3273629	788	40	57234	10
22	12:55:0	TU	ON	3274417	565	40	57244	26
23	05:24:0	TU	ON	3274982	889	40	57270	23
24	06:09:0	TU	ON	3275871	879	40	57293	22
25	06:05:0	TU	ON	3276750	923	40	57315	22
26	06:08:0	TU	ON	3277673	967	40	57337	25
27	07:54:0	TU	ON	3278640	1058	35	57362	27
28	11:13:0	TU	ON	3289698	688	40	57389	18
29	06:19:0	TU	ON	3290386	957	40	57407	24
30	06:49:0	TU	ON	3291343	942	40	57431	24
31								
Total					22587			658

NOTE: TU – Troy Unruh

2.11. Bio-Digester Operational Recommendations

No recommendations for April, 2019.

1. Introduction

The team of Aquatech Canadian water services Inc. and GSS Engineering Consultants Inc. took over the operation of the Georgian Bluffs / Chatsworth Biodigester and the Derby Wastewater Treatment plant on January 1, 2016. The following report summarizes operational data, maintenance activities and compliance issue identified during the month of May, 2019. This report includes all information required under the Georgian Bluffs / Chatsworth Services Agreement.

2. Wastewater System – Derby Lagoons

2.1. Influent Flows (sewage)

The influent flows are determined through records provided by the Septic hauler and are tabulated as follows; for the month of May, the total influent flow was 688.77 m³, with an average daily flow of 22.22 m³ or approximately 38.64% of the rated capacity based on the monthly average.

2.2. Organic Volumes

The volumes for the organics are determined through records provided by the haulers and are tabulated as follows; for the month of May, the total volume of organics was 199.44 m³ with an average daily volume of 6.43 m³.

2.3. Total Volumes organics/sewage

The total volumes for the site are tabulated as follows; for the month of May, the total volumes was 888.21 m³ with an average daily flow of 28.65 m³ or approximately 49.83% of the rated capacity based on the monthly average.

2.4. Treated Flows

The irrigated flows were shut down on 31 October, 2018 for the season. As per the Certificate of Approval, spray irrigation was resumed on May, 19 2019. The total amount sprayed in May was 1001 m³.

Georgian Bluffs / Chatsworth Biodigester
and
Derby Wastewater Treatment Plant
Monthly Report – May 2019

15-057

2.5. Required Analysis as per Amended Certificate of Approval #4027-84PQMX

Table 1 Required Analysis - Adjacent Monitoring Wells/Ponds									
Date	Location	Conductivity (umho/cm)	Chlorides (mg/L)	Nitrate (mg/L)	pH	Total Phosphorus (mg/L)	Total Ammonia (mg/L)	Unionized Ammonia (mg/L)	Nitrite (mg/L)
	TW#1								
	TW#1A								
	TW#2								
	TW#2A								
05/27/19	TW#3	673	61.4	<0.05					
05/27/19	TW#3A	584	31.8	0.13					
05/27/19	TW#4	845	118	<0.05					
05/27/19	TW#4A	760	101	0.14					
05/27/19	TW#5	416	0.8	0.66					
05/27/19	TW#6	915	123	1.79					
05/27/19	TW#6A	974	142	1.84					
05/27/19	TW#7	711	74.7	<0.05					
05/27/19	TW#7A	495	21.9	0.68					
05/27/19	TW#8	1000	163	1.02					
05/27/19	TW#9	527	14.3	<0.05					
	SW-North								
	SW-East								
	SW-West								

Notes: Nitrites were non detectable, F – Frozen, TW – Test Well, SW – Surface Water Pond

2.6. Repairs and Maintenance Details

Routine maintenance was done at the site. New Blower was installed for aeration cell.

2.7. Regulatory Issues

There were no regulatory issues at the lagoon during the month of May, 2019

2.8. Consumer Complaints/Inquiry and Actions Completed

There were no odour complaints in May 2019.

2.9. Bio-Digester Operations

Date	Hydrolyzer			FOG			Digester	Digestate Storage	
	Liquid Level (m ³)	Stored Waste Volume (m ³)	Available Waste Volume (m ³)	Liquid Level (m ³)	Stored Waste Volume (m ³)	Available Waste Volume (m ³)	Liquid Level (cm)	Liquid Level (Small) (m)	Liquid Level (Large) (m)
1	1.74	62.7	37.3	3037	56.03	-6.03	86	3	3.82
2	1.57	56.57	43.43	2.62	48.34	1.66	86	3	3.83
3	2.89	104.13	-4.13	3.04	56.05	-6.05	86	3.43	3.82
4	2.74	98.73	1.27	2.18	40.26	9.74	86	4.65	3.72
5	2.74	98.73	1.27	3.04	56.11	-6.11	86	4.69	3.72
6	2.67	96.21	3.79	3.04	56.11	-6.11	86	4.75	3.72
7	2.54	91.52	8.48	2.5	46.14	3.86	86	4.81	3.72
8	2.49	89.72	10.28	2.89	53.34	-3.34	86	4.89	3.62
9	2.15	77.47	22.53	3.04	56.12	-6.12	86	4.93	3.2
10	1.88	67.74	32.26	2.89	53.34	-3.34	85	5.04	3.2
11	2.23	80.35	19.65	2.78	51.24	-1.24	85	5.13	3.2
12	1.93	69.54	30.46	2.19	40.33	9.67	86	5.22	3.2
13	1.58	56.93	43.07	1.11	20.46	29.54	86	5.32	3.2
14	1.86	67.02	32.98	1.67	30.81	19.19	85	4.27	3.34
15	1.81	65.22	34.78	1.57	28.93	21.07	88	4.28	3.35
16	1.54	55.49	44.51	3.04	56.12	-6.12	87	4.38	3.35
17	1.39	50.08	49.92	2.66	49.08	0.92	88	4.45	3.19
18	1.58	56.93	43.07	3.04	56.16	-6.16	85	4.53	2.29
19	1.28	46.12	53.88	1.61	29.61	20.39	85	4.6	1.79
20	1.39	50.08	49.92	1.52	27.95	22.05	85	4.68	1.79
21	1.09	39.27	60.73	1.28	23.54	26.46	85	4.73	1.79
22	1.07	38.55	61.45	3.04	56.07	-6.07	88	4.81	1.79
23	0.81	29.19	70.81	1.78	32.75	17.25	88	4.89	1.79
24	1.06	38.19	61.81	1.67	30.77	19.23	85	4.93	1.79
25	1.36	49	51	3.04	56.09	-6.09	85	5.01	1.79
26	1.17	42.16	57.84	1.04	19.11	30.89	88	5.21	1.79
27	0.98	35.31	64.69	0.92	16.94	33.06	85	5.36	1.79
28	1.43	51.53	48.47	3.04	56.11	-6.11	85	2.95	1.98
29	1.12	40.36	59.64	2.68	49.39	0.61	85	2.96	1.99
30	1.29	46.48	53.52	2.92	53.8	-3.8	85	2.97	1.99
31	1.15	41.44	58.56	2.61	48.17	1.83	85	2.98	1.99

NOTE: Hydrolyzer maximum volume – 100m³ FOG maximum volume – 50m³ Digestate Storage maximum volume – 6415 m³

2.10. Bio-Digester Operations – Power Production and Generator Status

Table 3
Bio-Digester Operations – Power Production and Generator Status

Date	Time	Operator(s)	Generator Status	Intellimonitor (Kwh)	Produced (Kwh)	Active Power At time of Inspection (kw)	Generator	Run
1	06:41:0	TU	ON	3292285	941	40	57455	24
2	06:19:0	TU	ON	3293226	1410	40	57479	31
3	14:07:0	TU	ON	3294636	1015	45	57510	23
4	13:07:0	TU	ON	3295651	1091	45	57533	22
5	06:04:0	TU	ON	3296742	650	50	57555	17
6	06:04:0	TU	ON	3297392	996	50	57572	20
7	06:23:0	TU	ON	3298388	1107	50	57592	23
8	06:14:0	TU	ON	3299495	1183	50	57615	24
9	06:16:0	TU	ON	3300678	1193	50	57639	24
10	06:16:0	TU	ON	3301871	1303	50	57663	28
11	09:46:0	TU	ON	3303174	1246	50	57691	25
12	11:19:0	TU	ON	3304420	943	50	57716	19
13	06:25:0	TU	ON	3305363	1167	50	57735	24
14	06:29:0	TU	ON	3306530	1104	50	57759	23
15	06:44:0	TU	ON	3307634	970	32	57782	22
16	06:09:0	TU	ON	3308604	1043	50	57804	22
17	06:10:0	TU	ON	3309647	1007	50	57826	23
18	08:36:0	TU	ON	3310654	788	45	57849	19
19	07:47:0	TU	ON	3311442	773	40	57868	20
20	10:49:0	TU	OFF	3312215	516	0	57888	14
21	06:15:0	TU	OFF	3312731	660	0	57902	17
22	06:33:0	TU	OFF	3313391	541	0	57919	14
23	06:29:0	TU	OFF	3313932	369	0	57933	10
24	06:25:0	TU	OFF	3314301	385	0	57943	11
25	09:06:0	TU	ON	3314686	548	40	57954	15
26	11:45:0	TU	ON	3315234	225	40	57969	6
27	06:53:0	TU	ON	3315459	403	40	57975	11
28	06:25:0	TU	OFF	3315862	446	0	57986	13
29	06:21:0	TU	OFF	3316308	462	0	57999	12
30	06:14:0	TU	ON	3316770	492	38	58011	13
31	06:21:0	TU	OFF	3317262	547	0	58024	15
Total					25524			584

NOTE: TU – Troy Unruh

2.11. Bio-Digester Operational Recommendations

No recommendations for May, 2019.

Brian M. Anderson

From: Rick Winters <rwinters@georgianbluffs.on.ca>
Sent: May 30, 2019 8:49 AM
To: Brian M. Anderson
Subject: FW: Waste water disposal agreement with McSound Investments Inc.

Can we include on the next agenda for BIOGRID.

Thanks

Rick

*Rick Winters, C.E.T.
CAO
Director of Operations
Township of Georgian Bluffs
177964 Grey Road 18
R.R. #3
Owen Sound, ON
N4K 5N5
(519)376-2729 phone
(519)372-1620 fax*

From: SGRO STEVE [mailto:Steve.Sgro@post.mcdonalds.ca]
Sent: Wednesday, May 29, 2019 3:35 PM
To: rwinters@georgianbluffs.on.ca
Cc: Christine <mcsgro@rogers.com>
Subject: Waste water disposal agreement with McSound Investments Inc.

Mr. Winters,

Thank you for taking my call to discuss the agreement between Georgian Bluffs and McSound Investments Inc. dated January 14th, 2010.

I am reaching out to you today to discuss the possibility of increasing our annual maximum collected allowance of 456,000 gallons. I feel that the penalty imposed on the amount collected above this ceiling is excessive, and does not allow for the continued growth of my business.

To explain my situation, please note the following.

1) my annual usage from the signing of the agreement in 2010 is as follows...

Note 1. Construction of new restaurant in 2012 caused artificial decrease in usage during construction.
Note 2. Break in line to holding tank allowed rain water into tank causing artificial increase in usage.

2010	423,000 gal.	Guests	415,817	Gal. per guest	1.02
2011	360,000 gal.	Guests	447,700	Gal. per guest	0.80

2012	386,000 gal.	Guests	415,301	Gal. per guest	0.93
2013	424,000 gal.	Guests	502,248	Gal. per guest	0.84
2014	421,000 gal.	Guests	500,112	Gal. per guest	0.84
2015	437,000 gal.	Guests	546,604	Gal. per guest	0.80
2016	449,000 gal.	Guests	582,378	Gal. per guest	0.77
2017	526,000 gal.	Guests	582,691	Gal. per guest	0.90
2018	493,000 gal.	Guests	590,514	Gal. per guest	0.83

2) When the agreement was signed, the cost per gallon was 0.032 cents per gallon. This amount was raised to 0.033 cents per gallon in January of 2018. This increase is a cost to our company of approximately \$500.00 per year. This fee has now increased to 0.035 cents as of February of this year. This will cost our company another \$1000.00 per year.

3) In 2011, Georgian Bluffs introduced a Monthly Admin Fee of \$90 per month. This fee increased to \$94.50 in January of 2018, and then again to \$99.23 in February of this year. This is an annual cost of almost \$1200.00 per year.

4) As you can see by the numbers listed above, our usage has not outpaced our guest counts, and is significantly lower with the build of the new restaurant in 2012 with updated conservation efforts.

I believe that our maximum allowable gallons before penalty should be increased for the following reasons.

1) At the time of signing the agreement, the annual administration fee was not in effect. This added cost to our company should be taken into consideration as an added burden on our organization.

2) The construction of the new restaurant in 2012, with a designed 20 to 40 year physical plant lifespan, showed our continued belief in the growth potential of Georgian Bluffs. We are just asking that the agreement grow with us, and not penalize us for our growth.

3) The cost per gallon, and the administration fees have increased over time. This is expected as costs increase with healthy growth. It is now the time where our growth has hit a new level and we are requesting this cap to be reviewed.

4) In reading the BioGRID Joint Board Minutes dated November 16, 2018, it is noted that both Elmira and Toronto had been approached in the attempt to have waste diverted to Chatsworth. There is also discussion of a 'coupon' system to try to have homeowners use the Chatsworth Bio-digester. I will assume by these comments that the Chatsworth Bio-digester is currently underutilized. If this is accurate, our increased usage should hopefully not be placing an unnecessary burden on the Bio-digester.

Thank you in advance for your time. If there are any further questions or concerns, feel free to reach out to me at any time. I await your reply.

Sincerely,



Stephen Sgro

McSound Investments, Owner

📞 (519) 270.6126

📍 PO Box 879 Owen Sound, ON. N4K 5S2

General Ledger

Annual Department Budget Report - Revenue and Expense

Fiscal Year Ending: DEC 31,2019 To Period 12 Accounts: ??-????-????

Account	Description	Prv Budget	Prv Actual	YTD Actual	YTD Budget
Fund: 04 GB Biodigestor					
Dept: 0150 Biodigestor - Capital Assets					
04-0150-9998	Change in Tangible Capital Ass	0.00	(143,548.20)	0.00	0.00
TOTALS		0.00	(143,548.20)	0.00	0.00
Dept: 1061 Biodigestor - V238 - New Holland Tractor					
04-1061-1110	V238 Salaries	0.00	0.00	0.00	0.00
04-1061-1111	V238 Benefits	0.00	0.00	0.00	0.00
04-1061-1249	V238 Materials & Supplies	0.00	0.00	0.00	0.00
04-1061-1250	V238 Vehicle Fuel	0.00	0.00	0.00	0.00
04-1061-1281	V238 Repairs & Maintenance	500.00	1,552.72	708.25	500.00
04-1061-1310	Future Capital - Tractor	0.00	1,577.47	0.00	0.00
TOTALS		500.00	3,130.19	708.25	500.00
Dept: 1062 Biodigestor - Expenditures					
04-1062-1110	Salaries	23,000.00	25,599.11	0.00	25,000.00
04-1062-1111	Benefits	7,000.00	7,677.07	0.00	8,000.00
04-1062-1112	Mileage	0.00	0.00	0.00	0.00
04-1062-1241	Office Supplies	0.00	63.18	0.00	0.00
04-1062-1242	Heat & Hydro	40,000.00	33,171.84	13,384.72	30,000.00
04-1062-1249	Materials & Supplies	1,500.00	2,968.47	5,323.24	2,500.00
04-1062-1250	Bad Debt Expense	0.00	0.00	0.00	0.00
04-1062-1251	Postage & Freight	0.00	0.00	0.00	0.00
04-1062-1252	Audit Fees	11,500.00	6,970.00	7,950.00	8,500.00
04-1062-1253	Service Contracts - Sunset Stri	0.00	45,543.55	17,376.73	45,000.00
04-1062-1254	Service Contracts	105,000.00	121,858.50	16,288.26	115,050.00
04-1062-1255	Telephone/Internet	750.00	740.00	510.00	750.00
04-1062-1256	Membership Fees	750.00	675.00	0.00	700.00
04-1062-1258	Insurance	13,500.00	13,936.32	14,190.12	14,000.00
04-1062-1259	Other Services	0.00	2,941.80	0.00	0.00
04-1062-1260	Professional Fees - Maintenanc	0.00	0.00	34,315.00	20,000.00
04-1062-1261	Professional Fees - Spec Proje	25,000.00	1,920.94	0.00	0.00
04-1062-1280	Septage Management	0.00	0.00	0.00	0.00
04-1062-1281	Repairs & Maintenance	20,000.00	20,879.20	22,010.31	20,000.00
04-1062-1282	Licenses	0.00	0.00	0.00	0.00
04-1062-1283	Digestate Disposal	65,000.00	31,355.63	40,420.50	60,000.00
04-1062-1284	Loss (Gain) on disposal of asse	0.00	0.00	0.00	0.00
04-1062-1289	Taxes	15,000.00	14,963.33	7,481.00	15,000.00
04-1062-1290	Capital	0.00	0.00	0.00	0.00
04-1062-1300	Transfer to Georgian Bluffs	0.00	0.00	0.00	0.00
04-1062-1301	Transfer to Chatsworth	0.00	0.00	0.00	0.00
04-1062-1310	Depreciation	0.00	0.00	0.00	0.00
04-1062-1311	Future Capital - Building	0.00	38,815.59	0.00	0.00
04-1062-1312	Future Capital - Equipment	0.00	102,090.41	0.00	0.00
04-1062-1313	Future Capital - Internal Roadw	0.00	1,064.73	0.00	0.00
TOTALS		328,000.00	473,234.67	179,249.88	364,500.00
Dept: 1064 Biodigestor - Revenue					
04-1064-7110	Tipping Fees	(60,000.00)	(52,478.92)	(11,005.73)	(60,000.00)
04-1064-7111	Sunset Strip Sewage	(19,000.00)	(72,697.88)	(29,774.30)	(85,000.00)
04-1064-7112	Hydro Generating	(75,000.00)	(78,657.69)	(31,532.66)	(80,000.00)
04-1064-7113	Hauled Sewage	(15,000.00)	(17,255.75)	(5,978.00)	(17,000.00)
04-1064-7114	Restaurant Waste	0.00	0.00	0.00	(3,000.00)
04-1064-7115	Bank Interest Earned	(2,000.00)	(3,589.16)	(1,767.17)	0.00
04-1064-7116	Miscellaneous Revenue	0.00	(5,098.00)	0.00	0.00
04-1064-7200	Transfer From GB (Operating)	(78,750.00)	(84,044.00)	(25,000.00)	(60,000.00)
04-1064-7201	Transfer From Chats (Operatin	(78,750.00)	(84,044.00)	(25,000.00)	(60,000.00)

General Ledger

Annual Department Budget Report - Revenue and Expense

Fiscal Year Ending: DEC 31,2019 To Period 12 Accounts: ??-????-????

Account	Description	Prv Budget	Prv Actual	YTD Actual	YTD Budget
04-1064-7210	Transfer from GB (Capital)	0.00	0.00	0.00	0.00
04-1064-7211	Transfer from Chats (Capital)	0.00	0.00	0.00	0.00
TOTALS		(328,500.00)	(397,865.40)	(130,057.86)	(365,000.00)
Dept: 9999 Biodigester - Transition Closing					
04-9999-9995	Change in Reserve for Future C	0.00	0.00	0.00	0.00
04-9999-9996	Change in Revenue Fund	0.00	65,048.74	0.00	0.00
TOTALS		0.00	65,048.74	0.00	0.00

REPORT SUMMARY

04-0150	Biodigester - Capital Assets	0.00	(143,548.20)	0.00	0.00
04-1064	Biodigester - Revenue	(328,500.00)	(397,865.40)	(130,057.86)	(365,000.00)
04-9999	Biodigester - Transition Closing	0.00	65,048.74	0.00	0.00
Total Revenue		(328,500.00)	(476,364.86)	(130,057.86)	(365,000.00)
04-1061	Biodigester - V238 - New Holland Tractor	500.00	3,130.19	708.25	500.00
04-1062	Biodigester - Expenditures	328,000.00	473,234.67	179,249.88	364,500.00
Total Expenditure		328,500.00	476,364.86	179,958.13	365,000.00
Excess Revenue Over (Under) Expenditures		0.00	0.00	(49,900.27)	0.00



Date Friday, July 12, 2019

From Troy Unruh, Utilities Coordinator

Subject **Generator Engine Rebuild**

Report No. OPS2019- 73

Recommendation

That the BioGRID Joint Board recommend that the Council of the Township of Georgian Bluffs and the Council of the Township of Chatsworth waive section 4.1 of the Georgian Bluffs purchasing policy (By-Law 2019-47) and award the Generator Engine Rebuild to The Wright Automotive Machine Shop at a cost of \$40,200.00.

Background

The BioGRID utilizes a 100kw methane gas engine with generator to produce electrical power for inserting into the electrical grid through a FIT contract. The engine requires rebuilding at every 20,000 hours.

Analysis

The Wright Automotive Machine Shop has provided the scheduled maintenance since 2017 when they provided lowest quote, and have maintained satisfactory service while holding their price the same.

The Wright Automotive Machine Shop completed the re-build of the original engine in 2013 as well as replaced the engine that was destroyed during the SUSGlobal management period in 2016 and are very familiar with the equipment and layout of the mechanics.

In 2013, the last time the engine was rebuilt, a RFP was distributed to seven companies with only one being returned and that required two companies, one for the removal and reinstallation and another for the rebuild.

It was determined that having the engine rebuilt in-frame was the most economical approach and direction was provided to complete the rebuild in this manners.

Financial Impact

The estimate provided by The Wright Automotive Machine Shop for the complete rebuild, new turbo and all labour is \$40,200.00 plus HST.

As this would be considered a capital purchase, the Biodigester would invoice both municipalities for 50% of the rebuild.

Implications

Should the engine not be rebuilt as per the manufacturer's recommendations the Biodigester runs the risk of another complete engine failure which would result in additional costs.

In addition the Biodigester would lose revenue from tipping fees since disposal would be limited to liquid waste into the lagoon.

Conclusion

The Wright Automotive Machine Shop has prepared an estimate to completely rebuild the gas engine in-frame, including the turbo charger and all labour for a price of \$40,200.00.

Supporting Documentation

Appendix 1—Wright Automotive Machine Shop Quote – Dated July 9, 2019

Respectfully Submitted:

Reviewed by:

Troy Unruh
Utilities Coordinator

Rick Winters, C.E.T.
CAO / Director of Operations

The Wright Automotive Machine Shop

168 Bruce Road 5
Tara, ON N0H 2N0
519-371-1314

Estimate

Date	Estimate #
7/9/2019	265

Name / Address
Township of Georgian Bluffs

Project

Description	Qty	Rate	Total
MAN Gas engine inframe rebuild: E 0836 LE202 All components required to do inframe rebuild, including new turbo charger & all labour	1	40,200.00	40,200.00
Includes inbound freight HST (ON) on sales		13.00%	5,226.00
Thank you for your business.		Total	\$45,426.00