LAND USE COMPATIBILITY STUDY

FOR

CON 2 SWTSR PT LOT 234, TOWNSHIP OF SOUTHGATE

SUBMITTED TO:

Briarwood (Dundalk) Ltd.
[redacted]

SUBMITTED BY:

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SE #: 1272.001

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1.0 INTRODUCTION

Briarwood (Dundalk) Ltd. retained SONAIR Environmental Inc. (SONAIR) to prepare a Land Use Compatibility Study in support of a Zoning By-law Amendment (ZBA) and Official Plan Amendment (OPA) for a proposed residential development located at CON 2 SWTSR PT LOT 234 in the Township of Southgate. The proposal would introduce a sensitive land use to a residential, agricultural, commercial, and industrial area. At the request of the Township of Southgate and Grey County, a Land Use Compatibility Study is required which covers the environmental aspects of dust, odour and noise/vibration emissions.

The purpose of this assessment is to determine if dust, odour, and noise/vibration emissions from surrounding sources might adversely impact proposed sensitive land uses within the development.

This study was conducted in accordance with the Ministry of the Environment, Conservation, and Parks (MECP) Guidelines:

- Guideline D-1: Land Use Compatibility
- Guideline D-2: Compatibility between Sewage Treatment and Sensitive Land Uses
- Guideline D-6: Compatibility between Industrial Facilities and Sensitive Land Uses

Evaluation of surrounding land uses against the D-4 Guideline: Land Use On or Near Landfills and Dumps is completed under separate covers completed by third-party consultants.

1.1 Subject Site

The Client is proposing to develop the property located at CON 2 SWTSR PT LOT 234 in the Township of Southgate. The proposed development is a sensitive land use, consisting of two 5-storey buildings, each with 120 units.

The proposed development is currently zoned as Restricted Agricultural (A2) and is surrounded by Residential Type 1, 4, and 5 (R1, R4, R5) and Restricted Agricultural (A2) to the North, Open Space (OS) and Restricted Agricultural (A2) to the East, General Industrial (M1) to the South, and Restricted Agricultural (A2) to the West. The nearest existing residential area is located to the immediate Northwest of the subject site.

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The surrounding land can be characterized as:

Table 1 – Summary of Surrounding Land Use

Direction	Land Use
North	Primary Settlement Area, Hazard Lands
East	Primary Settlement Area, Hazard Lands, Rural, Provincially Significant Wetlands and Significant Costal Lands
South	Primary Settlement Area, Hazard Lands, Rural
West	Primary Settlement Area, Hazard Lands, Rural

A zoning map for the Township of Southgate is shown in Appendix A.

2.0 LAND USE COMPATIBILITY ASSESSMENT

2.1 Guideline D-2: Compatibility between Sewage Treatment and Sensitive Land Uses

Guideline D-2 – Compatibility between Sewage Treatment and Sensitive Land Use, sets out three (3) distinct capacities for sewage treatment plants and provides the minimum and recommended separation distance for each category. The criteria are provided in Table 2 below.

Table 2 – Guideline D-2 Sewage Treatment Plant Capacity Categorization Criteria

Capacity (m3/day)	Minimum Separation Distance (m)	Recommended Separation Distance (m)
<=500	<100 may be permitted	100
>500 to <25,000	100	150
>25,000	Case-by-case	Case-by-case

2.1.1 Summary of D-2 Facilities within the Study Area

A review of the surrounding area from the proposed development was completed to identify nearby sewage treatment facilities. Table 3 below provides a summary of the surrounding sewage treatment facilities.

Table 3 – D-2 Study Area Facility Classification

Facility	Address	Rated Capacity (m^3/day)	Distance* (m)	ECA/EASR (Year)	Comments
Dundalk Sewage Treatment Works	752015 Ida Street Part Lots 238 and 239, Concession 2	1,832	625	5657-9D9LYE (2013, 2015, 2018) 2611-937ME4 (2013)	Acceptable Range

**Measured from the property line of the proposed development to the closest potential odour source of the facility*

2.2 Guideline D-6: Compatibility between Industrial Facilities and Sensitive Land Uses

Guideline D-6 – Compatibility Between Industrial Facilities and Sensitive Land Uses, sets out three (3) distinct classes of facilities. The criterion is provided in Table 4 below.

Table 4 – Guideline D-6 Industrial Categorization Criteria

Category	Outputs	Scale	Process	Operation & Intensity
CLASS I	*NOISE:* Sound not audible off property. *DUST and/or ODOUR:* Infrequent and not intense. *VIBRATION:* No ground- borne vibration on plant property.	- No outside storage - Small scale plant or scale is irrelevant in relation to all other criteria for this Class	- Self-contained plant or building which produces/ stores a packaged product. Low probability of fugitive emissions	- Daytime operations only - Infrequent movement of products and/or heavy trucks
CLASS II	*NOISE:* Sound occasionally audible off property. *DUST and/or ODOUR:* Frequent and occasionally intense. *VIBRATION:* Possible ground-borne vibration, but cannot be perceived off property.	- Outside storage permitted - Medium level of production allowed	- Open process - Periodic outputs of minor annoyance - Low probability of fugitive emissions	- Shift operations permitted - Frequent movement of products and/or heavy trucks with the majority of movements during daytime hours
CLASS III	*NOISE:* Sound frequently audible off property. *DUST and/or ODOUR*: Persistent and/or intense. *VIBRATION:* Ground-borne vibration can frequently be perceived off property.	- Outside storage of raw and finished products -Large production levels	- Open process - Frequent outputs of major annoyances - High probability of fugitive emissions	- Continuous movement of products and employees - Daily shift operations permitted

The study area for Land Use Compatibility Assessments is established in the D-Series Guidelines. Depending on the Facility Class categorization around the facility the potential influence area will be as set out in Table 5 below. SONAIR has conservatively taken the position to review the impact from 1,000 meters around the subject site. The recommended setback distances as a function of Facility Class are also provided in Table 5.

Table 5 – Guideline D-6 Minimum Separation Distances and Potential Influence Areas

Class	Recommended Separation Distance	Potential Influence Area
I	20	70
II	70	300
III	300	1000

Further to Table 5, the D-6 guideline also suggests that while separation distances are typically measured between property lines, there is an alternative which allows for measuring from facility property line to a sensitive receptor. Additionally, guideline D-6 provides allowances for reducing the minimum separation distance required based on mitigation at industrial sites and provides for exceptions to the Minimum Separation Distances for some development sites.

2.2.1 Summary of D-6 Facilities within the Study Area

The 1,000-meter study area surrounding the proposed development is developed with predominantly neighbourhood, and employment land uses. Table 6 below provides a summary of the surrounding facilities, the nature of their operations, and if any potential impact exists.

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Table 6 – D-6 Study Area Facility Classification

Facility	Address	Distance (m)	Operations	ECA/EASR (Year)	MECP Industrial Class	Comments
Dundalk Equipment	752151 Ida St, Dundalk	45	Small Engine Repair Service	-	I	Within Potential Influence Area
Dundalk Transfer Station	752178 Ida St, Dundalk	257	Waste Management Service	A262302 (2003, 2011, 2016, 2018)	II	Within Potential Influence Area
AC3 Wood Products Ltd	51 Hanbury St, Dundalk	268	Pallet Supplier	-	I	Acceptable Range
The Grain Studio	41 Hanbury St, Dundalk	268	Custom Furniture Manufacturer	-	I	Acceptable Range
Enviro EZE Transport Inc.	11 Morrow Cir, Southgate	204	Trucking Company	-	I	Acceptable Range
Dundalk Self Storage	15 Bell Cir, Dundalk	205	Self-Storage Facility	-	I	Acceptable Range
Strictly Storage Inc.	40 Hanbury St, Dundalk	347	Self-Storage Facility	-	I	Acceptable Range
Van Alstine Automotive	42 Hanbury St, Dundalk	347	Auto Repair Shop	-	I	Acceptable Range
The Scrub Hub Self Serve Car and Truck Wash	50 Hanbury St, Dundalk	347	Self Service Car Wash	-	I	Acceptable Range
Grey County Truck Training	280 Victoria St W, Dundalk	206	Truck Training Centre	-	I	Acceptable Range
Flex Modular	5 Keppel St, Southgate	678	Modular Home Builder Facility	4158-7JAQT8 (2008) & 6742-4MTQUZ (2000) - N/A. Approvals for Alumi-Bunk Corporation	II	Acceptable Range
Highlands Fuels and Supply	92 Main St W, Dundalk	560	Equipment Repair and Fuel Delivery Services	-	I	Acceptable Range
Extensia International Systems Inc.	41 Proton St S, Dundalk	516	Sign Shop	-	I	Acceptable Range

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Facility	Address	Distance (m)	Operations	ECA/EASR (Year)	MECP Industrial Class	Comments
Dundalk Auto Glass	40 Artemesia St N, Dundalk	885	Auto Glass Shop	-	I	Acceptable Range
Canadian Fence & Hardware Inc.	151 Eco Pk Wy, Southgate	205	Fence Supply Store	-	I	Acceptable Range
Lystek	191 Eco Pk Wy, Southgate	0	Organic Materials Recovery Center	R-002-3505452735 (2015) 1401-8P4M7S (2012) 8850-8V6S7Z (2022) 5510-CVVMZC (2024)	II	Recommended Min Not Met
Jaguar	180134, Grey Rd 9, Southgate	893	Trucking Company	-	II	Acceptable Range
Jaguar Mfg	180130, Grey Rd 9, Southgate	940	Truck Repair and Servicing	-	I	Acceptable Range
Compost Site	173 Eco Pk Wy, Southgate	0	Dump/Compost Site	-	-	Addressed under D-4 Study (separate cover) per County/Township
GreenLid	101 Eco Pk Wy, Southgate	0	Compostable Product Manufacturer	-	II	Recommended Min Not Met
Wilson Storage Dundalk	131 Eco Pk Wy, Southgate	0	Self Storage	-	I	Recommended Min Not Met
Blue Mountain Covers	120 Eco Pk Wy, Southgate	413	Tarp/Cover Supplier	-	I	Acceptable Range
Near By Auto Collision Centre Ltd	170 Eco Pk Wy, Southgate	413	Auto Collision Center	-	I	Acceptable Range
Eco Park Vacant Lands	140, 160 Eco Pk Wy, & 752055, 752065, North of 752065 Ida St	>413	Various Permitted Uses	-	I - III	Within Potential Influence Area to Acceptable Range, Depending on Use

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3.0 IDENTIFIED FACILITIES WITH POTENTIAL IMPACTS

Based on the study area within a 1000m radius, one (1) Class I, and two (2) Class II facilities were identified as having potential for an adverse impact as a result of the proposed development.

3.1 Dundalk Equipment

Dundalk Equipment is a small engine repair service located approximately 45m to the West of the proposed development. Anticipated operations include maintenance and repair of 2-stroke and 4-stroke engines for outdoor equipment. This facility is expected to operate during regular 9 am to 5 pm hours and has been classified as a Class I facility based on a small-scale facility and nature of its operations. This facility is located within the potential influence area, but beyond the minimum separation distance.

A site visit was conducted by staff at SONAIR on February 6th, 2024, where no dust, odour or noise/vibration concerns were identified. A search in the MECP approval database returned no results for this facility.

Dust and odour emissions are not expected to be a concern given the scale and nature of its operations, as well as there are no outdoor processing or storage of materials.

Noise is also not expected to be an issue for minor maintenance and repair services, and generally not audible off-property. Existing residential dwellings are also located to the immediate North and South of the facility, which are located much closer in proximity and are expected to be more adversely impacted than the proposed development. While the proposed development is located beyond the minimum recommended separation distance, the existing residential dwellings fall within.

Based on the above, the facility is not expected to adversely impact the proposed development.

3.2 Dundalk Transfer Station

Dundalk Transfer Station is a waste management facility located at 752178 Ida St, approximately 257m to the West of the proposed development. Typical activities and operations associated with this waste management transfer facility include, but are not limited to receiving recyclable and non-recyclable wastes from the county/town's residents to be temporality stored on-site until sufficient quantities have been collected to make it economically feasible to transport the waste

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offsite. The facility operates only on Tuesdays, Thursdays and Saturdays from as early as 9 am to as late as 3 pm. This facility has been classified as a Class II facility based on a medium-scale facility and nature of its operations, where outdoor storage of waste can be identified, and dust emissions can be generated from unpaved roadways due to movement of vehicles. This facility is located within the potential influence area, but beyond the minimum separation distance.

The facility was not in operation during the site visit. However, dust, odour, and noise emissions are expected from this facility based on experience with other projects of similar facilities.

The depositing of waste in waste bins are not considered significant sources of dust; however, dust emissions are generally produced in areas where roads are unpaved due to movement of heavy trucks.

Waste bins, particularly those for disposal of garbage can post odour concerns, if the facility does not take appropriate measures to mitigate odour arising from these waste bins, such as removal of the bins off-site in a timely manner or when odour becomes an issue. It is not expected that other activities and equipment are considered significant sources of odour other than waste bins for garbage.

Noise emissions are typically generated from on-site heavy trucks travelling around the site to pick up full waste bins, and replacing full bins with empty bins.

A search in the MECP approval database shows that the site was issued Waste Disposal Site ECA and amended ECAs (A262302) in 2003, 2011, 2016 and 2018, to permit the site to be used as a transfer station, as shown in Appendix C. However, no approvals were found from an air and noise perspective.

A wind rose has been developed from local meteorological conditions, attached in Appendix B, indicating that prevailing winds are generally blowing from the Southwest and South to the Northeast and North. Therefore, dust and odour emissions are generally directed away from the proposed development.

Not only is the facility being buffered from the proposed development by the intervening commercial/industrial areas, but existing residential areas are also located to the immediate West of proposed development and is closer in proximity to the facility.

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Given the separation distance, intervening land uses, and existing sensitive receptors located in closer proximity to the facility, adverse impact from an air and noise perspective is not anticipated.

3.3 Lystek

Lystek is an organic materials recovery centre that is located at 191 Eco Pk Wy, to the immediate East of the proposed development. Anticipated operations include processing of biosolids and other organic residuals. This facility has been classified as a Class II facility based on the scale of the facility, nature of its operations, and measures in place as identified below.

Based on the site visit, no dust or odour concerns were identified; however, noise was identified as a result of trucks entering/existing the facility.

A search in the MECP approval database shows that this site has been issued an EASR (R-002-3505452735) for Standby Power Systems on May 6, 2015, an ECA (1401-8P4M7S) for Industrial Sewage Works on October 5, 2012, an ECA (8850-8V6S7Z) for Waste Disposal Sites on March 8, 2022, and an ECA (5510-CVVMZC) for Air on February 23, 2024.

Based on the ECA for Air, the facility has a maximum production capacity of 150,000 tonnes of organic waste per year. Details of the ECA indicate that the facility consists of the following processes and support units:

- underground storage tanks;
- outdoor lined and covered storage lagoons for storage of processed waste, each equipped with an iron oxide adsorption system for emissions control;
- reagent tanks for caustic storage;
- process reactors;
- ancillary structures including but not limited to weight scales, pumping wells and ground-water monitoring network;
- biofilter, used to control emissions from the organic materials recovery facility (including process reactors, underground storage tanks, caustic storage tanks, and tipping hall);
- natural gas, propane and biogas fired boilers for process heat; and
- biogas flare with a natural gas pilot.

In addition to the emission control systems in place as specified above, the facility is also required to develop an odour management plan to mitigate odour emissions.

Given that an Emission Summary and Dispersion Modelling (ESDM) report was prepared in support of the approval, it is anticipated that the facility will be in compliance with the applicable air quality standards and limits at the property line and beyond.

An Acoustic Assessment Report (AAR) was also submitted as part of the ECA application. Under NPC-300, the facility is required to assess the noise impact generated from the facility towards the closest sensitive receptors around the facility, including the subject site which is a noise sensitive zoned lot that is vacant and has been zoned to permit a noise sensitive land use. Since the facility has an obligation to ensure compliance with respect to noise emissions towards the subject site, it is expected that the facility will be in compliance with the requirements of NPC-300 at the proposed development.

As part of the ECA with limited operational flexibility, the facility is required to update the ESDM and AAR on an annual basis to ensure compliance with applicable air and noise standards.

Measuring the separation distance from property line to property line, the facility does not meet the minimum separation distance for a Class II facility of 70m. The MECP allows the inclusion of ancillary land uses into the separation distance if the lands onsite and/or at the facility are not of a sensitive nature. Given that most of the lands towards the middle and East of the site are non-developable, measurements can be taken from the closest property line of the facility to where the closest sensitive activity occurs or vice versa. The omission of the non-developable area of the site results in a separation distance of approximately 620m which is beyond the 300m area of influence. Therefore, the facility is located outside of the area of influence and is not expected to adversely impact the proposed development.

Based on the above and given that the facility already has an obligation to meet regulatory requirements pertaining to air and noise emissions at the property line and beyond, no adverse impact is expected from this facility on the proposed development from an air and noise perspective.

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3.4 GreenLid

GreenLid is an eco-friendly compostable product manufacturer located to the immediate South of the proposed development. Anticipated operations may include product mixing, molding and forming/pressing. This facility has been classified as a Class II facility based on the scale of the facility, and nature of its operations.

Based on the site visit, no dust, odour, or noise/vibration concerns were identified. A search in the MECP approval database returned no results for this facility.

Dust and odour emissions are not expected to be a concern given the scale and nature of its operations, as well as there are no outdoor processing or storage of materials. Operations are anticipated to be conducted within an enclosed building

Noise is expected from an on-site standby generator and trucks entering/exiting the facility; however, noise from these equipment are not expected to be an issue given that the generator is expected to be used in case of an emergency, and all loading docks are located to the South of the building, where noise emissions from these equipment would be directed towards the South and shielded by the building. Existing residential dwellings are also located to the immediate West of the facility, which are located much closer in proximity and are expected to be more adversely impacted than the proposed development.

Based on the above, the facility is not expected to adversely impact the proposed development.

3.5 Wilson Storage Dundalk

Wilson Storage Dundalk is a self-storage facility located to the immediate South of the proposed development. Anticipated operations include public self-storage. This facility has been classified as a Class I facility based on the scale of the facility, and nature of its operations.

A search in the MECP approval database returned no results for this facility.

Dust, odour, and noise/vibration emissions are not expected to be a concern given the scale and nature of its operations, as well as there are no outdoor processing or storage of materials. Self-storage facilities are not expected to be significant sources of these emissions.

While the facility abuts the subject property, the distance measured between the facility property line to the sensitive use of the proposed development is 277m, which is beyond the 70m area of

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influence for a Class I facility. Therefore, it is not expected that this facility will adversely impact the proposed development.

3.6 Future Industrial Land Uses

The lands along Eco Park Way to the South of the proposed development were reviewed to identify vacant lands that have commercial/industrial permitted land uses that may potentially impact the proposed development.

The vacant lands to the South of Eco Park Way (140, 160 Eco Park Way, and 752055, 752065, North of 752065 Ida Street) are zoned as General Industrial (M1). Based on the Township of Southgate Zoning By-law 19-2002, the following are permitted uses under the M1 Zone:

- Building Supply Outlet
- Bulk Sales Establishment
- Contractor's Yard
- Custom Workshop
- Haulage Business
- Light or Dry Industry
- Manufacturing Plant
- Transport Terminal
- Storage Industry
- Dry Cleaning Establishment
- Warehouse
- Public Garage
- Self-storage/mini-storage
- Motor Vehicle Washing Establishment
- Animal Hospital
- Open Storage accessory to a permitted use
- Uses, buildings or structures accessory to a permitted use, including business office and retail outlet

The identified industrial vacant lands are located at least 413m from the subject site, which is beyond the area of influence for Class I and II facilities. Therefore, future facilities considered as Class I or II are not expected to adversely impact the proposed development.

The proposed development would be located within the potential influence area, but beyond the minimum separation distance of a potential future Class III facility. Based on the permitted uses, Manufacturing Plant is anticipated to be the only permitted use that would be considered as Class

III facilities as the worst-case scenario, depending on the types of manufacturing operations, which could also result in a Class I or II facility based on the scale, nature of its operations, and potential mitigations implemented.

Future manufacturing operations or industries with the potential to impact the environment are required by the MECP to obtain applicable environmental approvals to ensure the facility comply with established regulations and meet required standards/limits at the facility property line and beyond. Numerous industrial vacant lands are located in closer proximity to existing sensitive land uses compared to the proposed development. The subject site is also currently zoned as Restricted Agricultural Zone (A2), which already permits for sensitive uses. From a noise perspective, guideline NPC-300 requires that facilities assess the impact on noise sensitive zoned lots (subject site). Therefore, given that future operations on the vacant lands, if considered as Class III facilities, are required to be compliant with regulatory requirements at the facility property line, the existing sensitive receptors in closer proximity, and on the subject site (which already permits for sensitive uses), it is anticipated that the proposed development will not result in new operational constraints or limit the ability of major facilities to apply or uphold applicable MECP approvals in the future.

Based on the above and given that the industrial vacant lands already have an obligation to meet environmental regulatory requirements at the facility property line, closest sensitive receptors, and on the subject site, no adverse impact is expected from the industrial vacant lands on the proposed development.

4.0 CONCLUSION AND RECOMMENDATIONS

SONAIR was retained by Briarwood (Dundalk) Ltd. to conduct a Land Use Compatibility Study to evaluate potential impacts from surrounding facilities towards the proposed development located at CON 2 SWTSR PT LOT 234 in the Township of Southgate.

Based on the evaluation of the various facility operations in the vicinity of the proposed development against the MECP D-2 and D-6 Guidelines, dust, odour, and noise/vibration concerns from identified facilities are not expected to adversely impact the proposed development.

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Given the findings and results of this Land Use Compatibility Study, the proposed development is expected to be compatible with the surrounding land uses.

5.0 REFERENCES

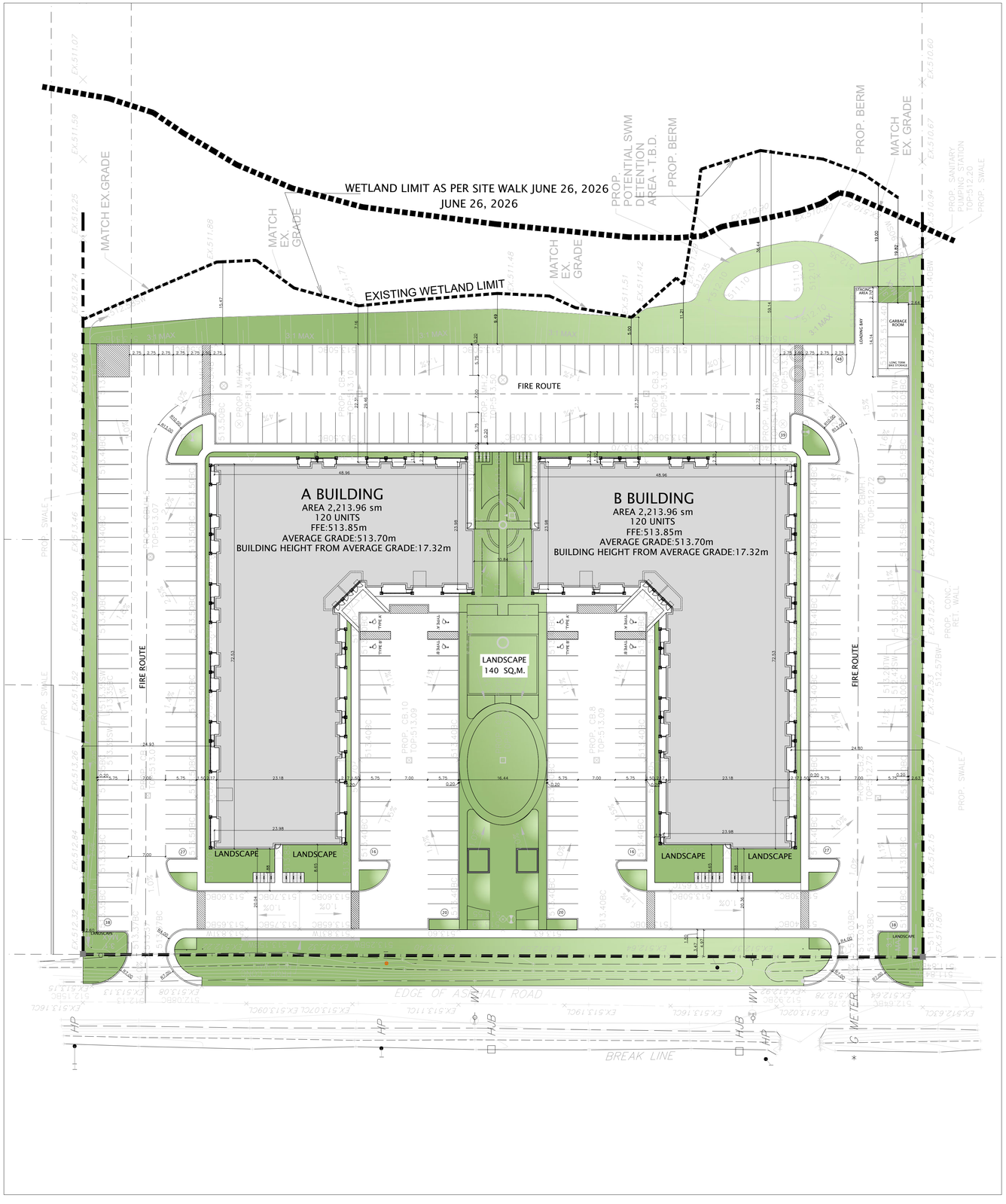
Ministry of the Environment, Conservation and Parks, "*D-1 Land Use and Compatibility"*, July 1995

Ministry of the Environment, Conservation and Parks, "*D-2 Compatibility between Sewage Treatment and Sensitive Land Use"*, August 1996

Ministry of the Environment, Conservation and Parks, "*D-6 Compatibility between Industrial Facilities"*, July 1995

APPENDIX A

SITE PLAN & DRAWINGS



PROPOSED DEVELOPMENT DATA

OBC: 3.2.2.45 group C, up to 5 storeys, Sprinklered

Building A– 5 Storey Apartment Building,
Building A– 120 units
Building Height from Average Grade 17.32m

Building B– 5 Storey Apartment Building
Building B– 120 units
Building Height from Average Grade 17.32m

SITE AREA	
NORTH SITE AREA	206,085.79 m2
RAIL EASEMENT SITE AREA	5,291.57 m2
SOUTH SITE AREA	64,472.77 m2
GRAND TOTAL SITE AREA	275,856.9 m2 2,969,299 sq.ft.
DENSITY	8.70 units per hectare
ZONING	R4

LOT COVERAGE AND SETBACKS FOR THE WHOLE DEVELOPMENT	
LOT COVERAGE (BUILDING AREA)	4,427.92 sm
LOT COVERAGE (GARBAGE ROOM)	48.82 sm
PAVED SURFACE(ROAD)	8,811.16 sm
PROPOSED LANDSCAPE AREA (NEW) PROPOSED DEVELOPMENT AREA (PLANTING, LAWN, WALKWAYS ETC:)	6,343.29 sm
FRONT YARD SET BACK(SOUTH SIDE)	20.36m
SIDE YARD SET BACK (EAST SIDE)	24.80m
SIDE YARD SET BACK (WEST SIDE)	24.93m
REAR YARD SET BACK (NORTH SIDE)	130.90m

WETLAND LIMIT AS PER SITE WALK JUNE 26, 2026
REAR YARD SET BACK 27.31m

GROSS FLOOR AREA	
A– Apartment Building	11,041.28sm (118,847.3sf)
B– Apartment Building	11,041.28sm (118,847.3sf)
TOTAL G.F.A	22,082.56sm (237,694.7sf)

BUILDING AREAS	
BUILDING –A–	
MAIN FLOOR AREA	2,213.96 m2
2ND FLOOR AREA	2,206.83 m2
3RD FLOOR AREA	2,206.83 m2
4TH FLOOR AREA	2,206.83 m2
5TH FLOOR AREA	2,206.83 m2
GFA–TOTAL AREA PER BUILDING	11,041.28 m2
BUILDING –B–	
MAIN FLOOR AREA	2,213.96 m2
2ND FLOOR AREA	2,206.83 m2
3RD FLOOR AREA	2,206.83 m2
4TH FLOOR AREA	2,206.83 m2
5TH FLOOR AREA	2,206.83 m2
GFA–TOTAL AREA PER BUILDING	11,041.28 m2
GFA–GRAND TOTAL AREA	22,082.56sm (237,694.7sf)

AMENITY AREA
with–in the buildings

A– Apartment Building	273.55sm (2,944.46sf)
B– Apartment Building	273.55sm (2,944.46sf)
	547.10sm (5,888.93sf)

outside of the buildings(balconies and patios)

A– Apartment Building	750.54 sm (8,127.18sf)
B– Apartment Building	750.54 sm (8,127.18sf)
	1,510.08 sm (16,254.37sf)
OUT DOOR PARK	140.00sm (1,506.95.46sf)

UNIT COUNT	
A– Apartment Building	120 UNITS
B– Apartment Building	120 UNITS
Total	240 UNITS

RENTAL UNITS

BUILDING A		BUILDING B			
2 BED	86	2 BED	86	TOTAL	172
3 BED	34	3 BED	34	TOTAL	68
TOTAL	120	TOTAL	120	TOTAL	240

GRAND TOTAL UNITS 240

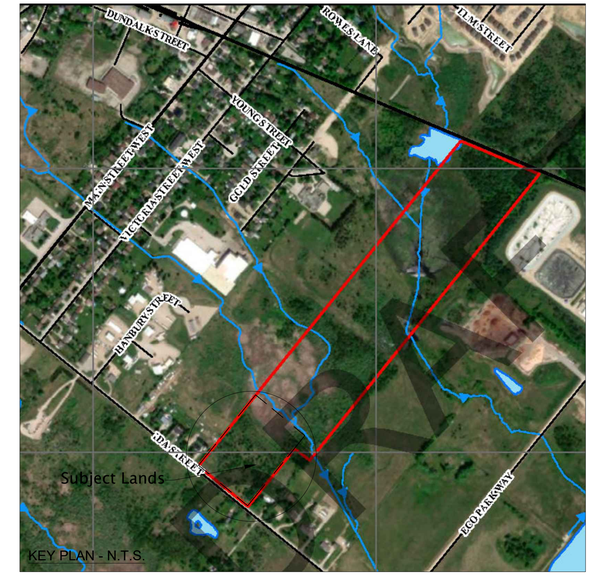
UNIT AREAS

A	3–bed	87.13sm	937.86sf
B	2–bed	65.61sm	706.22sf
C	2–bed	78.69sm	846.69sf

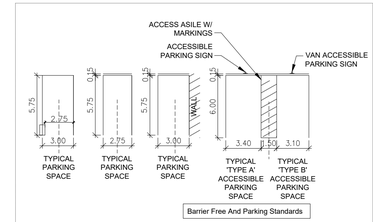
REQUIRED SURFACE PARKING	
PARKING STALLS 1.0 PER APARTMENT UNIT	240
PARKING STALLS VISITOR 0.2 PER TOTAL UNITS (240)	48
SURFACE PARKING SPACES REQUIRED	288
SURFACE PARKING SPACES PROVIDED	289

TOWNSHIP OF SOUTHGATE
ZONING BY–LAW
5.10 Parking Spaces for Handicapped
is in excess of 20 parking spaces, 1 space of the first 20 spaces required and
1 space out of each additional 100 spaces or portion thereof shall be provided near and accessible to the point of entrance to the building and clearly marked for the parking of the vehicles used by the disabled person or persons.

PARKING STALLS REQUIRED	6
PARKING STALLS PROVIDED	8



NOTE:
ALL LANDSCAPING IMAGES ARE FOR REFERENCE ONLY, SEE LANDSCAPE ARCHITECTS DWGS.
ALL SITE GRADES PROPOSED ON THIS AND FOLLOWINGS DWGS ARE SUBJECT TO CIVIL DWGS



No.	Description	Date	Rev.
5	ISSUED FOR CLIENT AND CONSULTANT REVIEW	SEPT. 29, 2026	
4	ISSUED FOR CLIENT AND CONSULTANT REVIEW	Aug. 21, 2026	
3	ISSUED FOR CLIENT AND CONSULTANT REVIEW (sidewalk connection)	Dec 09, 2024	
2	ISSUED FOR CLIENT AND CONSULTANT REVIEW	Oct 22, 2024	
1	ISSUED FOR CLIENT AND CONSULTANT REVIEW	Sept 30, 2024	

CLIENT:

DUNDALK CONCEPT	ELEVATION:	Drawing No. A-101
FLOOD PLAIN SITE PLAN		DATE ISSUED: JUNE 27,2024
PROJECT #: 2024-25	MARKETING NAME: -	S&C ARCHITECTS INC.
SCALE: 1:400	MUNICIPALITY:	T: (416)848–0991 F: (416)860–6101 INFO@SCARCHITECTS.CA 60 RANDALL DRIVE SUITE 10 AJAX, ONTARIO L1S 6L3

FACILITY NAMES

1. Dundalk Equipment
2. Dundalk Transfer Station
3. AC3 Wood Products Ltd.
4. The Grain Studio
5. Enviro EZE Transport Inc.
6. Dundalk Self Storage
7. Strictly Storage Inc.
8. Van Alstine Automotive
9. The Scrub Hub Self Serve Car and Truck Wash
10. Grey County Truck Training
11. Flex Modular
12. Highlands Fuels and Supply
13. Extensia International Systems Inc.
14. Dundalk Auto Glass
15. Canadian Fence & Hardware Inc.
16. Lystek
17. Jaguar
18. Jaguar Mfg
19. GreenLid
20. Wilson Storage Dundalk
21. Blue Mountain Covers
22. Near By Auto Collision Centre
23. Industrial Vacant Lands

LEGEND

- Class I Facility
- Class II Facility
- Class III Facility
- Industrial Vacant Lands

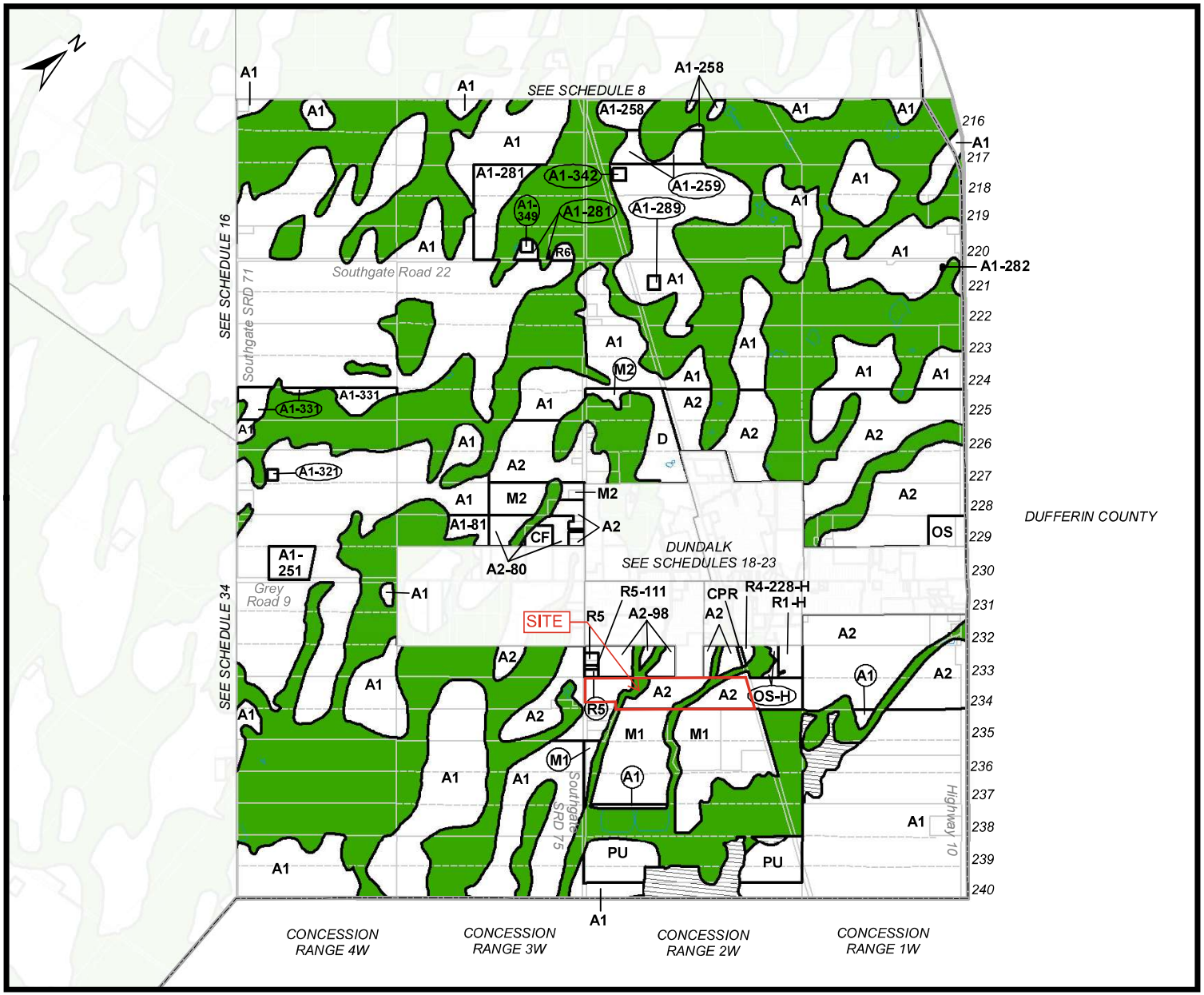
N

SONAIR ENVIRONMENTAL

ADDRESS:	DRAWN BY:	CHECKED BY:	CLIENT'S NAME:	CLIENT'S ADDRESS:	SCALE:
PO BOX 56702 PINE VALLEY PO VAUGHAN, ON L4L 8V3	DG	TL	Briarwood (Dundalk) Ltd.	[redacted]	As shown
SE#:	**DATE:**	**DRAWING NAME:**	**REVISION #:**	**NOTES:**	
1272.001	2026-09-02	D-6 Assessment	0	Site at CON 2 SWTSR PT LOT 234, Township of Southgate	

SONAIR ENVIRONMENTAL

ADDRESS:	DRAWN BY:	CHECKED BY:	CLIENT'S NAME:	CLIENT'S ADDRESS:	SCALE:
PO BOX 56702 PINE VALLEY PO VAUGHAN, ON L4L 8V3	[redacted]	TL	Briarwood (Dundalk) Ltd.	[redacted]	As shown
SE#:	**DATE:**	**DRAWING NAME:**	**REVISION #:**	**NOTES:**	
1272.001	2024-02-06	D-2 Assessment	0	Site at CON 2 SWTSR PT LOT 234, Township of Southgate	



TOWNSHIP OF SOUTHGATE
ZONING BY-LAW
SCHEDULE 17

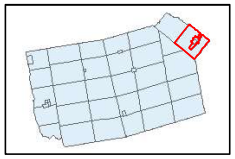
By-Law No _____

Date Passed _____

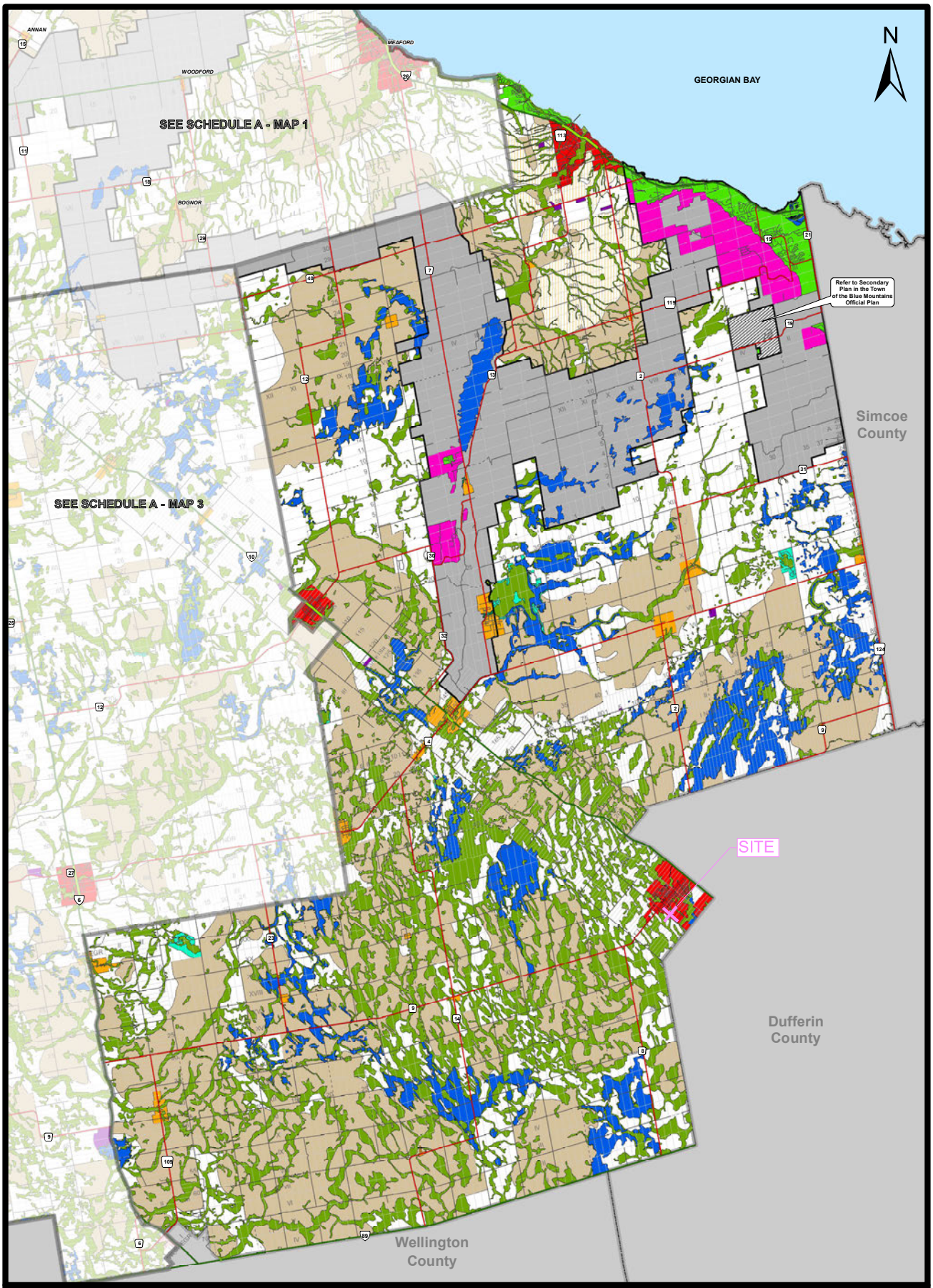
Mayor _____

Clerk _____

A1	Agricultural
A2	Restricted Agricultural
R1	Residential Type 1
R2	Residential Type 2
R3	Residential Type 3
R4	Residential Type 4
R5	Residential Type 5
R6	Residential Type 6
C1	Local Commercial
C2	General Commercial
C3	Highway Commercial
C4	Rural Commercial
C5	Recreational Commercial
C6	Campground Commercial
C7	Space Extensive Commercial
CF	Community Facility
D	Deferred Development
M1	General Industrial
M2	Rural Industrial
M3	Space Extensive Industrial
M4	Extractive Industrial
MH	Mobile Home Park
OS	Open Space
PU	Public Utility
	Environmental Protection
	Wetland
	Waterbody
	Property Boundary
	Lot & Concession
-1	Zone Exception
-H	Holding Provision



Scale: 25,000
Grey County - June 2016



Grey County

THE COUNTY OF GREY OFFICIAL PLAN

SCHEDULE A
Land Use Types

MAP 2

LEGEND

- Provincial Highway Connecting Link
- Provincial Highway
- County Road
- Local Road
- Seasonal Road
- Agricultural
- Special Agricultural
- Rural
- Primary Settlement Area *
- Secondary Settlement Area *
- Inland Lakes & Shoreline Settlement Area
- Recreational Resort Settlement Area
- Sunset Strip Settlement Area
- Industrial Business Park Settlement Area
- Space Extensive Industrial and Commercial
- Niagara Escarpment Plan Boundary **
- Niagara Escarpment Development Control Area
- Escarpment Natural Area
- Escarpment Recreation Area
- Hazard Lands
- Provincially Significant Wetlands and Significant Costal Lands

* refer to Secondary Schedules for further detail.

** certain settlement areas within the Niagara Escarpment Plan Boundary may be subject to Development Control.

SCALE 1:95,000

0 1,125 2,250 4,500 6,750 9,000 Meters

AUTHOR: Grey County Planning
FILE NAME: GR_OP_SchedA_Map2eastX36.mxd
CONSOLIDATION: May 1, 2023
INTERACTIVE MAP: geo.grey.ca
DOWNLOAD PDF: grey.ca/planning-development

This map is for illustrative purposes only. Do not rely on this map as being a precise indicator of routes, location of features or surveying purposes. This map may contain cartographical errors or omissions.

APPENDIX B

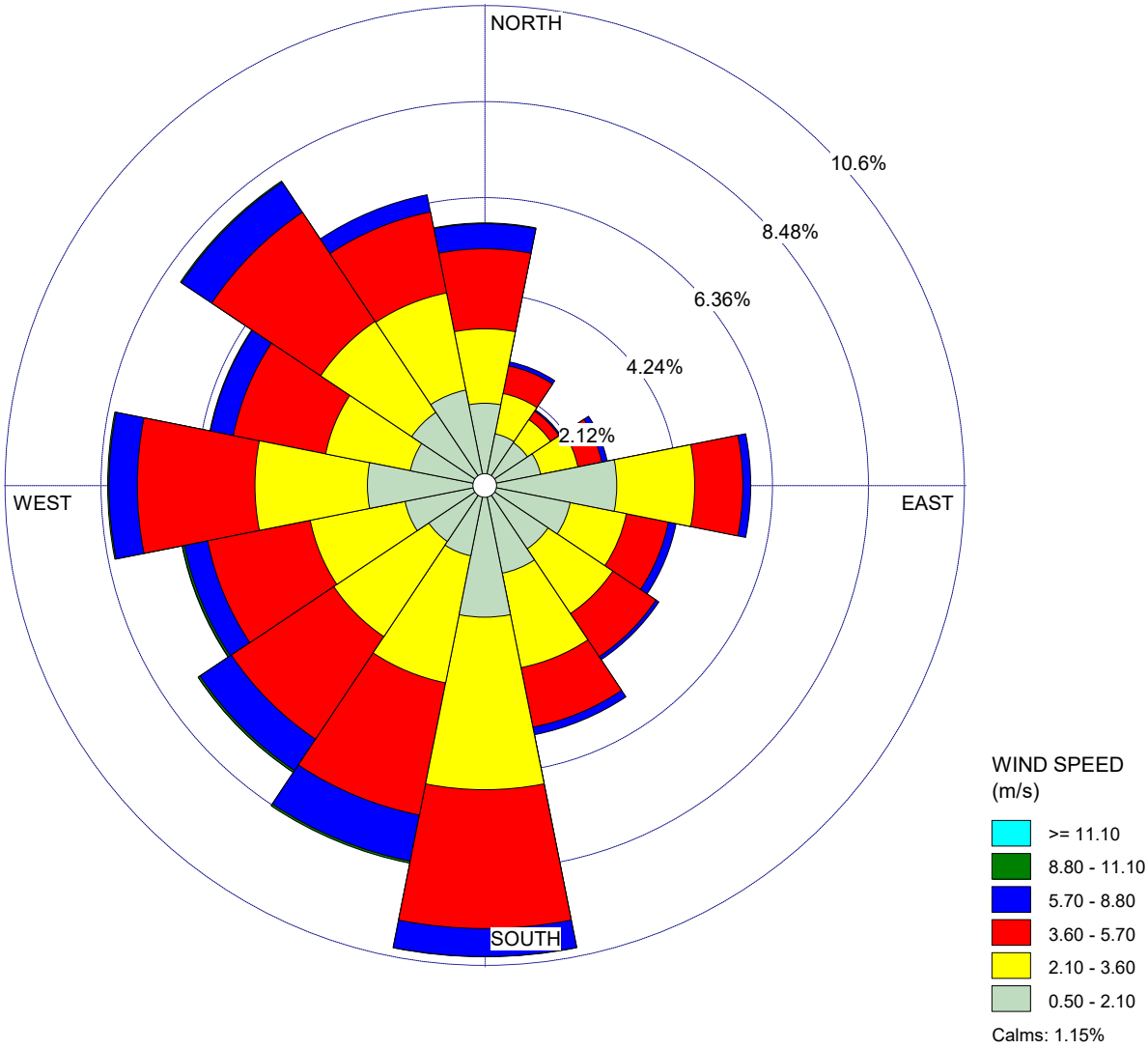
WIND ROSE

WIND ROSE PLOT:

Wind Rose Plot (2019-2023), Dundalk, ON

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
Climate ID: 6145504 Data retained from Environment Canada Hourly Data for Mount Forest (AUT) from 2019-2023.	**Start Date: 2019-01-01 - 00:00** **End Date: 2023-12-31 - 23:00**	**SONAIR Environmental Inc.**	
		MODELER: **DG**	SONAIR ENVIRONMENTAL
	CALM WINDS: **1.15%**	TOTAL COUNT: **42288 hrs.**	
	AVG. WIND SPEED: **3.05 m/s**	DATE: **2024-01-30**	PROJECT NO.: **1272.001**

WRPLOT View - Lakes Environmental Software

APPENDIX C

ECA / EASR APPROVALS

Content Copy Of Original

Ontario

Ministry of the Environment
Ministère de l'Environnement

ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 2611-937ME4
Issue Date: January 11, 2013

The Corporation of the Township of Southgate
185667 Grey Road 9
Rural Route No. 1
Dundalk, Ontario
N0C 1B0

Site Location: Eco Parkway
Township of Southgate, County of Grey

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

- ***sanitary forcemain*** to be constructed on Eco Parkway (from existing sanitary manhole MH299 to 425 metres east of existing sanitary manhole MH299), discharging to the existing sanitary sewer located on Eco Parkway, in the Township of Southgate, County of Grey;

all in accordance with the application dated August 8, 2012, and received on August 10, 2012, including final plans and specifications prepared by Triton Engineering Services Limited.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;

2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;

3. "District Manager" means the District Manager of the Owen Sound District Office of the Ministry;

4. "Ministry" means the Ontario Ministry of the Environment;

5. "Owner" means The Corporation of the Township of Southgate, and includes its successors and assignees;

6. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, the application for approval of the Works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

3. CHANGE OF OWNER

The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; and

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which Approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The Condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval of the existence of this Approval.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1 of the Environmental Protection Act
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal 's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 11th day of January, 2013

Sherif Hegazy, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

JO/

c: District Manager, MOE Owen Sound District Office.
Raymond D. Kirtz, P.Eng., Triton Engineering Services Limited.

CONTENT COPY OF ORIGINAL

Ontario

Ministry of the Environment | Ministère de l'Environnement

AMENDED PROVISIONAL CERTIFICATE OF APPROVAL
WASTE DISPOSAL SITE
NUMBER A262302

The Corporation of the Township of Southgate
R.R. #1
185667 Grey Road 9
Dundalk, Ontario N0C 1B0

Site Location: Dundalk Landfill Site
Lot 232, Concession 3
Southgate Township, County of Grey

You have applied in accordance with Section 27 of the Environmental Protection Act for approval of:

a 0.4 hectare Waste Disposal Site (Landfill) for the disposal of domestic, commercial waste and brush and tree cuttings, and the establishment and operation of a Waste Disposal Site (Transfer).

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(a) "**Act**" means the *Environmental Protection Act*, R.S.O. 1990, C.E-19, as amended;

(b) "**Bulking**" means the mixing of similar waste types into a single container in a secure and safe manner;

(c) "**Certificate**" means this Provisional Certificate of Approval;

(d) "**Competent**" means knowledgeable and able to carry out any necessary duties, in the following through instruction and practice;

i. Relevant waste management legislation, regulations and guidelines;
ii. Major environmental concerns pertaining to the waste to be handled;
iii. Emergency response procedures for the waste to be handled;
iv. Use and operation of any equipment to be used;
v. Emergency response procedures and alerting;
vi. Owner specific written procedures for the control of conditions that may cause an adverse effect; and
vii. Requirements of this Certificate;

(e) "**Director**" means Director, Environmental Assessment and Approvals Branch, Ontario Ministry of the Environment;

(f) "**District Manager**" means District Manager, Owen Sound District Office, Ontario Ministry of the Environment;

(g) "**Ministry**" and "**MOE**" means the Ontario Ministry of the Environment;

(h) "**OWRA**" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;

(i) "**Ontario Regulation 347**" means Ontario Regulation 347 - R.R.O. 1990, General - Waste Management, as amended from time to time, made under the *Act*;

(j) "**Ontario Regulation 189**" means Ontario Regulation 189/94, Refrigerants, or as amended, made under the *Act*;

(k) "**Owner**" means the Township of Southgate and any employees of the Township of Southgate responsible for

managing the operations of the Site;

(l) "**Residual Waste**" means waste that is destined for final disposal;

(m) "**Scavenging**" means the uncontrolled removal of reusable material from waste at a waste disposal site;

(n) "**Site**" means the property located at Lot 232, Concession 3 southwest of the Toronto & Sydenham Road, Township of Proton, County of Grey, more particularly described as Part 1 according to deposited Plan 17R1379 and includes both the landfilling and waste transfer activities; and

(o) "**white goods which contain refrigerants**" means appliances or equipment which contain, or may contain refrigerants, and which include, but are not restricted to, refrigerators, freezers and air-conditioning systems.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

General

1. This Provisional Certificate of Approval supersedes and replaces Provisional Certificate No. A2623-02 issued February 11, 1992.

2. Except as otherwise provided by these Conditions, the Site shall be designed, developed, used, maintained and operated, and all facilities, equipment and fixtures shall be built and or installed in accordance with the Application for a Certificate of Approval for a Waste Disposal Site dated November 1, 2002, and supporting documentation, and plans and specifications listed in Schedule "A".

3. The requirements specified in this Certificate are requirements under the Act. Issuance of this Certificate in no way abrogates the Owner's legal obligations to take all reasonable steps to avoid violating other applicable provisions of this legislation and other legislation and regulations.

4. The requirements of this Certificate are severable. If any requirements of this Certificate, or the application of any requirement of this Certificate to any circumstance, is held invalid, the application of such requirement to other circumstances and the remainder of this Certificate shall not be affected in any way.

5. The Owner must ensure compliance with all terms and conditions of this Certificate. Any non-compliance constitutes a violation of the Act and is grounds for enforcement.

6. (a) The Owner shall, forthwith upon request of the Director, District Manager, or Provincial Officer (as defined in the Act), furnish any information requested by such persons with respect to compliance with this Certificate, including but not limited to, any records required to be kept under this Certificate; and

(b) In the event the Owner provides the Ministry with information, records, documentation or notification in accordance with this Certificate (for the purposes of this condition referred to as "Information"),

(i) the receipt of Information by the Ministry;
(ii) the acceptance by the Ministry of the Information's completeness or accuracy; or
(iii) the failure of the Ministry to prosecute the Owner, or to require the Owner to take any action, under this Certificate or any statute or regulation in relation to the Information;
shall not be construed as an approval, excuse or justification by the Ministry of any act or omission of the Owner relating to the Information, amounting to non-compliance with this Certificate or any statute or regulation.

7. The Owner shall allow Ministry personnel, or a Ministry authorized representative(s), upon presentation of credentials,

to;

(a) carry out any and all inspections authorized by Section 156, 157 or 158 of the Act, Section 15, 16 or 17 of the **OWRA**, or Section 19 or 20 of the **Pesticides Act**, R.S.O. 1990, as amended from time to time, of any place to which this Certificate relates; and,
(b) without restricting the generality of the foregoing, to:

(i) enter upon the premises where records required by the conditions of this Certificate are kept;
(ii) have access to and copy, at reasonable times, any records required by the conditions of this Certificate;
(iii) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations required by the conditions of this Certificate; and
(iv) sample and monitor at reasonable times for the purposes of assuring compliance with the conditions of this Certificate.

8. Where there is a conflict between a provision of any document referred to in Schedule "A", and the conditions of this Certificate, the conditions in this Certificate shall take precedence. Where there is a conflict between the documents listed in Schedule "A", the document bearing the most recent date shall prevail.

9. Any information relating to this Certificate and contained in Ministry files may be made available to the public in accordance with the provisions of the *Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, C. F-31.

10. All records and monitoring data required by the conditions of this Certificate must be kept on the Owner's premises for a minimum period of three (3) years from the date of their creation.

Notification

11. The Owner shall ensure that all communications/correspondence made pursuant to this Provisional Certificate of Approval reference Certificate No. A262302.

12. The Owner shall notify the Director in writing of any of the following changes, within thirty (30) days of the change occurring:

(a) change of Owner or name of Owner;
(b) change of address or address of new Owner;
(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, 1991 shall be included in the notification to the Director; and
(d) any change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" (form 1 or 2 of Ontario Regulation 182, Chapter C-39, R.R.O. 1990, as amended from time to time).

13. (a) The Owner shall notify the District Manager, in writing, within thirty (30) days of appointing an operator responsible for managing the operations of the Site on behalf of the Owner.

(b) In the event of any change in ownership of the Site, the Owner shall notify in writing the succeeding owner of the existence of this Provisional Certificate of Approval, and a copy of such notice shall be forwarded to the Director.

Site Operations - General

14. On each operating day, the Owner shall conduct a visual inspection of the security fence, road and gravel pad and waste storage locations to ensure that any potential problems such as odours, dust, vectors, vermin, rodents and other nuisances are controlled, that all litter is picked up, and that any possibility of fire is minimized.

15. If at any time problems such as odours, dust, litter, noise, vectors, vermin, rodents or other nuisances are generated at the Site, including all on-Site roads, the Owner shall take appropriate, immediate remedial action to eliminate the problem.

16. No scavenging of waste is permitted to take place at the Site.

17. All wastes at the Site must be managed and disposed in accordance with the Act and Regulation 347.

18. All surface water runoff from the Site must be discharged in accordance with the EPA.

Site Operations - Landfill

19. Waste shall be deposited at the Site in accordance with Item 1, Schedule "A", Development and Operation Plan for the Village of Dundalk, Proton Landfill Site as approved by the Ministry.

20. No operation shall be carried out at the Site unless this Certificate including the reasons for this condition has been registered by the Owner as an instrument in the appropriate Land Registry Office against title to the Site and a duplicate registered copy thereof has been returned by the applicant to the Director.

21. No waste other than segregated brush, lumber and clean wood shall be burned at this site.

22. Access to the burning area by the public and other unauthorized personnel is prohibited when burning is being carried out.

23. No burning is to occur without the supervision of the operating authority.

Site Operations - Transfer Station

24. The Site Transfer Station's operating hours are restricted to 7:30 a.m. to 6:00 p.m. Monday to Friday and 7:30 a.m. to 4:00 p.m. Saturday. The Site shall be closed Sundays and Statutory Holidays.

25. The Site Transfer Station shall only accept the following types and quantities of wastes generated in the Township of Southgate:

(a) wood wastes such as brush, scrap lumber and stumps limited to 62 m^3 at any time;
(b) construction & demolition wastes, household bulky wastes such as furniture and mattresses, televisions and computers limited to 62 m^3 at any time;
(c) appliances including refrigerators and stoves and scrap metal limited to 92 m^3 at any time;
(d) recyclable (Blue Box) materials limited to 31 m^3 at any time;
(e) yard waste limited to 31 m^3 at any time;
(f) used tires limited to 31 m^3 at any time; and
(g) used oil limited to 2000 L at any time.

26. Prior to being accepted at the Site Transfer Station, all incoming waste shall be inspected by a Competent employee(s) and shall only be permitted to enter the Site if the Site is approved to accept that type of waste.

27. In the event that waste or recyclable materials cannot be removed from the Site Transfer Station and the total approved storage capacity is reached, the Owner shall:

(a) cease accepting additional waste to ensure the total approved storage capacity does not exceed the maximum amount approved by this Certificate; and
(b) submit to the District Manager, a schedule for removal the stored waste, within five (5) days of reaching the storage capacity; and
(c) remove stored waste in accordance with the schedule required in Condition 27(b).

28. (a) The Owner shall ensure that all white goods which contain refrigerants accepted at the Site Transfer Station, and which have not been tagged by a licensed technician to verify that the equipment no longer contains refrigerants, are stored in an upright position and in such a manner to allow for the safe handling and removal from the Site for removal of refrigerants by a licensed technician as required by Ontario Regulation 189; and

(b) The Owner shall maintain a detailed log of all white goods which contain refrigerants received. The log shall include the following: date of the record, types, quantities and source of white goods which contain refrigerants received, details on removal of refrigerants as required by Ontario Regulation 189 if refrigerants were removed on Site, and the quantities and destination of the white goods and/or refrigerants transferred from the Site.

29. With respect to waste oils, the Owner shall ensure that:

(a) Waste oil shall be stored in secondary containment that is adequate to contain any spills or leaks or run-off.
(b) Unidentified oils and/or oils which are suspected of containing PCB's, shall be handled as follows:

(i) they shall not be mixed (bulked), with other oils prior to testing. Oils which are lab-packed are not considered to be mixed under this Certificate; and
(ii) Oils which have been tested for PCB content and are found to have PCBs at or above 50 parts per million shall be forthwith reported to the District Manager and shall be managed in accordance with Ontario Regulation 362 and stored or removed from the Site to an approved PCB storage site, in accordance with written instructions from the District Manager.

30. Prior to the receipt of waste at the Site Transfer Station, the Owner shall implement the operating and maintenance procedures, as outlined in Item 3, Schedule "A", including training in these procedures.

Site Security

31. The Site shall be maintained in a secure manner, such that unauthorized vehicles cannot enter the Site.

32. The Owner shall limit access to and from the Site to the approved hours of operation and when the Site is supervised by a Competent person.

33. The Owner shall ensure that a sign, readable from the nearest public road, is posted at the entrance to this Site stating:

(a) the Owner's name;
(b) an emergency telephone number;
(c) a telephone number for complaints;
(d) operating hours; and
(e) acceptable waste types.

34. If at any time, the Owner receives complaints regarding the operation of the Site, the Owner shall respond to these complaints according to the following procedure:

(a) The Owner shall record each complaint on a formal complaint form as provided in Item 3, Schedule "A";
(b) The Owner, upon notification of the complaint shall initiate appropriate steps to determine all possible causes of the compliant, proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the complainant; and
(c) The Owner shall retain on-site a report written within one (1) week of the complaint date, listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the reoccurrence of similar incidents.

Spills

35. The Owner shall promptly take all necessary steps to contain and clean up any spills or upsets (including uncontrolled run-off to tile beds, drains, surface-water and groundwater supplies and wells) which result from this operation. All spills and upsets shall be immediately reported to the Ministry's Spill Action Centre at 1-800-268-6060 and shall be recorded in a written log or an electronic file format, as to the nature of the spill or upset, and action taken for clean-up, correction and prevention of future occurrences.

Contingency Measures

36. Within ninety (90) days of issuing this Certificate, the Owner shall have in place a Spill Contingency and Emergency Response Plan. The Plan shall include, but is not limited to:

(a) emergency response procedures to be undertaken in the event of a spill or process upset, including specific clean up methods;
(b) a list of contingency equipment and spill clean up materials, including names and telephone numbers of waste management companies available for emergency response; and
(c) a notification protocol with names and telephone numbers of persons to be contacted, including Owner's personnel, the Ministry Spills Action Centre and District Office, the local Municipality and Fire Department.

37. An up-to-date copy of the Spill Contingency and Emergency Response Plan shall be kept in a central location available to all staff, and a copy shall be submitted to:

(a) the Director, and
(b) the local Fire Department.

38. The Owner shall ensure that

(a) the equipment and materials outlined in the Spill Contingency and Emergency Response Plan are in a good state of repair, fully operational and immediately available; and
(b) all operating personnel are fully trained in the contingency equipment and materials' use and in the procedures to be employed in the event of an emergency.

Annual Report

39. By March 31, 2004, and on an annual basis thereafter, the Owner shall retain on-site an annual report covering the previous calendar year. Each report shall include, as a minimum, the following information:
(a) a summary of the waste loads removed from the Site;
(b) the number of waste loads rejected;
(c) any environmental and operational problems, that could negatively impact the environment, encountered during the operation of the Site and during the facility inspections and any mitigative actions taken;
(d) a statement as to compliance with all Conditions of this Provisional Certificate of Approval and with the inspection and reporting requirements of the Conditions herein; and,
(e) any recommendations to minimize environmental impacts from the operation of the Site and to improve site operations and monitoring programs in this regard.

Closure Plan

40. (a) The Owner shall submit, for approval by the Director, a written Closure Plan four (4) months prior to the permanent closure of the Site. This plan must include, as a minimum, a description of the work that will be done to facilitate closure of the Site and a schedule for completion of that work; and

(b) Within ten (10) days after closure of the Site, the Owner must notify the Director, in writing, that the Site is closed and that the Site Closure Plan has been implemented.

SCHEDULE "A"

This Schedule "A: forms part of Provisional Certificate of Approval No. A262302

1. Report titled "Development and Operation Plan, Village of Dundalk, Proton Landfill Site" prepared by Terraqua

Investigations Ltd, dated May 1992.

2. Application for a Provisional Certificate of Approval for a Waste Disposal Site signed by Ms. Bonnie Riddell, dated December 12, 2002.

3. Documentation in Support of Application for Approval of a Waste Disposal Site dated November 25, 2002 prepared by R.J. Burnside & Associates Limited.

4. Letter from Ms. B. Riddell, Clerk Administrator, Township of Southgate, to Environmental Assessment and Approvals Branch, dated January 14, 2003 re: Notification of area property owners.

5. Letter from Mr. J. Hollingsworth, R.J. Burnside & Associates Limited, to Environmental Assessment and Approvals Branch, dated January 20, 2003 re: revised details for used oil collection.

The reasons for the imposition of these terms and conditions are as follows:

1. The reason for Conditions 1, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, 18, 20, is to clarify the legal responsibilities and obligations imposed by this Provisional Certificate of Approval.

2. The reason for Conditions 2, 19 and 29 is to ensure that this Site is operated in accordance with the application submitted by the Company, and not in a manner which the Director has not been asked to consider.

3. The reason for Conditions 6 and 7 is to ensure that appropriate Ministry staff have ready access to the system in order to confirm that the system is being operated according to this Provisional Certificate of Approval. The condition is supplementary to the powers afforded a Provincial Officer pursuant to the Environmental Protection Act, the Ontario Water Resources Act, and the Pesticides Act, as amended.

4. The reason for Condition 21, 25, 26, 27, 28 and 29 is to ensure that the types and quantities of waste received at the Site are in accordance with that approved under this Certificate, and that waste storage is done in a manner and duration which does not result in a nuisance or a hazard to the health and safety of the environment or people.

5. The reason for Conditions 14, 15, 16, 19, 22, 23, 24 and 30 is to ensure that the site is operated in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.

6. The reason for Conditions 31, 32 and 33 is to minimize the risk of unauthorized entry and to ensure the Site is only operated in the presence of trained personnel and to ensure proper management of waste.

7. The reasons for Condition 35 is to ensure that the Owner immediately responds to a spill and notify the Ministry forthwith of any spills as required in Part X of the EPA so that appropriate spills response can be determined.

8. The reason for Conditions 36, 37 and 38 is to ensure that the Owner's staff are properly trained in the operation of the equipment used at the Site and emergency response procedures. This will minimize the possibility of spills occurring and will enable staff to deal promptly and effectively with any spills that do occur.

9. The reason for Condition 34 is to ensure that complaints are properly and quickly resolved and that complaints and follow-up actions have been documented.

10. The reason for Condition 40 is to ensure that the Site is closed in accordance with MOE standards and to protect the health and safety of the environment.

This Provisional Certificate of Approval revokes and replaces Certificate(s) of Approval No. A2623-02 issued on February 11, 1992

CONTENT COPY OF ORIGINAL

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the waste disposal site is located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 39, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted waste disposal site is approved under Section 39 of the Environmental Protection Act.

DATED AT TORONTO this 20th day of March, 2003

Ian Parrott, P.Eng.
Director
Section 39, *Environmental Protection Act*

VP/
c: District Manager, MOE Owen Sound
James R. Hollingsworth, P. Eng., R. J. Burnside & Associates Limited

CONTENT COPY OF ORIGINAL

Ontario

Ministry of the Environment
Ministère de l'Environnement

AMENDED PROVISIONAL CERTIFICATE OF APPROVAL
WASTE DISPOSAL SITE
NUMBER A262302
Issue Date: July 12, 2011

The Corporation of the Township of Southgate
RR1
185667 Grey Road 9
Dundalk, Ontario
N0C 1B0

Site Location: Dundalk Landfill/Transfer Site
Lot 232, Concession 3
Southgate Township, County of Grey

You have applied in accordance with Section 27 of the Environmental Protection Act for approval of:

a 6.6 hectare Waste Disposal Site consisting of closed landfill site on 0.8 hectares, a transfer site and the establishment and operation of a *Municipal Hazardous and Special Waste depot,*

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(a) **"Act**" means the *Environmental Protection Act*, R.S.O. 1990, C.E-19, as amended;

(b) "**Bulking**" means the mixing of similar waste types into a single container in a secure and safe manner;

(c) "**Certificate**" means this Provisional Certificate of Approval;

(d) **"competent person"** means a person or people who through their knowledge, training and experience is/are able to carry out any necessary duties in the following, through instruction and practice:

i. relevant waste management legislation, regulations and guidelines;

ii. major environmental concerns pertaining to the waste to be handled;
iii. emergency response procedures for the waste to be handled;
iv. use and operation of any equipment to be used;
v. operation and management of the *Site,* or area(s) within the *Site,* in accordance with the specific job requirements of each individual operator, and which may include procedures for receiving, screening and identifying, refusing, handling and temporarily storing wastes;
vi. *Owner* specific written procedures for the control of conditions that may cause an adverse effect;
vii. requirements of the *Certificate;* and
viii.record keeping procedures;

(e) "**Director**" means Director, Environmental Assessment and Approvals Branch, Ontario Ministry of the Environment;

(f) "**District Manager**" means District Manager, Owen Sound Area Office, Ontario Ministry of the Environment;

(g) **"Fire Code"** means Regulation 213/07 of the Fire Protection and Prevention Act, 1997;

(h) **"45-cubic metre MHSW storage container"** means the specialized portable storage container that is referred to in the Design and Operations Report that is identified in Item 11 of Schedule "A";

(i) **"lab packed"** means the waste management industry's recognized method of temporarily storing and transporting inventoried miscellaneous organic and inorganic wastes in a drum;

(j) **"MHSW Guidelines"** refers to the *Ministry* publication entitled "Household Hazardous Waste Collection and Facility Guidelines", dated May 1993;

(k) **"Municipal Hazardous and Special Waste"** and the acronym **"MHSW"** means hazardous waste or special waste that fall within waste classes 135, 145, 147, 148, 211, 212, 213, 221, 222, 231, 242, 251, 252, 253, 254, 261, 262, 263, 312 and 331 as defined in Ontario Regulation 347 and also includes waste anti-freeze, *WEEE,* waste wet cell batteries, waste dry cell batteries, waste lithium batteries from electronic devices, waste fluorescent tubes and waste energy efficient light bulbs and waste switches and thermostats that may contain mercury;

(l) "**Ministry**" and "**MOE**" means the Ontario Ministry of the Environment;

(m) "**OWRA**" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;

(n) "**Ontario Regulation 347**" means Ontario Regulation 347 - R.R.O. 1990, General - Waste Management, as amended from time to time, made under the *Act*;

(o) "**Ontario Regulation 189**" means Ontario Regulation 189/94, Refrigerants, or as amended, made under the *Act*;

(p) "**Owner**" means the Township of Southgate and any employees of the Township of Southgate responsible for managing the operations of the Site;

(q) "**PCB**" and "**PCBs"** means any monochlorinated or polychlorinated biphenyl or any mixture of them or mixture that contains one or more of them;

(r) "**Scavenging**" means the uncontrolled removal of reusable material from waste at a waste disposal site;

(s) "**Site**" means the property located at Lot 232, Concession 3 south-west of the Toronto & Sydenham Road, Township of Proton, County of Grey, more particularly described as Part 1 according to deposited Plan 17R1379. Additional lands include Part 1, Plan 17R3443, Part 1, Plan 16R5528 and Part 1, Plan 16R5526. The *Site* includes the closed landfilling area, the current waste transfer activities and the establishment of a *Municipal Hazardous and Special Waste* depot;

(t) **"Storage Guidelines"** means the *Ministry* document entitled "Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities" dated May 2007;

(u) **"tire unit"** is a standardize means of describing the total weight of all of the tires at the *Site* regardless of the individual weight of each of the tires. To report the number of tires in standardized tire units each tire weighing less than twelve kilograms is one tire unit and each tire weighing twelve kilograms or more is the number of tire units that results from dividing twelve into the number of kilograms that the tire weighs;

(v) **"WEEE"** means waste electrical and electronic equipment listed in Schedules 1 through 7 of *Ontario Regulation 393/04 of the Waste Diversion Act;* and

(w) "**white goods which contain refrigerants**" means appliances or equipment which contain, or may contain refrigerants, and which include, but are not restricted to, refrigerators, freezers and air-conditioning systems.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

General

1. This Provisional Certificate of Approval supersedes and replaces Provisional Certificate No. A262302 issued March 20, 2003, as amended.

2. Except as otherwise provided by these Conditions, the *Site* shall be designed, developed, used, maintained and operated, and all facilities, equipment and fixtures shall be built and or installed in accordance with the Applications for a Certificate of Approval for a Waste Disposal Site dated November 25, 2002 and February 25, 2011 and supporting documentation, plans and specifications listed in Schedule "A".

3. The requirements specified in this *Certificate* are requirements under the *Act.* Issuance of this *Certificate* in no way abrogates the *Owner's* legal obligations to take all reasonable steps to avoid violating other applicable provisions of this legislation and other legislation and regulations.

4. The requirements of this *Certificate* are severable. If any requirements of this *Certificate,* or the application of any requirement of this *Certificate* to any circumstance, is held invalid, the application of such requirement to other circumstances and the remainder of this *Certificate* shall not be affected in any way.

5. The *Owner* must ensure compliance with all terms and conditions of this *Certificate.* Any non-compliance constitutes a violation of the *Act* and is grounds for enforcement.

6. (a) The *Owner* shall, forthwith upon request of the *Director, District Manager,* or Provincial Officer (as defined in the *Act*), furnish any information requested by such persons with respect to compliance with this *Certificate,* including but not limited to, any records required to be kept under this *Certificate;* and

(b) In the event the *Owner* provides the *Ministry* with information, records, documentation or notification in accordance with this *Certificate* (for the purposes of this condition referred to as "Information"),

(i) the receipt of Information by the *Ministry;*
(ii) the acceptance by the *Ministry* of the Information's completeness or accuracy; or
(iii) the failure of the *Ministry* to prosecute the *Owner*, or to require the *Owner* to take any action, under this *Certificate* or any statute or regulation in relation to the Information;
shall not be construed as an approval, excuse or justification by the *Ministry* of any act or omission of the *Owner* relating to the Information, amounting to non-compliance with this *Certificate* or any statute or regulation.

7. The *Owner* shall allow *Ministry* personnel, or a *Ministry* authorized representative(s), upon presentation of credentials, to;

(a) carry out any and all inspections authorized by Section 156, 157 or 158 of the *Act,* Section 15, 16 or 17 of the ***OWRA***, or Section 19 or 20 of the **Pesticides Act**, R.S.O. 1990, as amended from time to time, of any place to which this *Certificate* relates; and
(b) without restricting the generality of the foregoing, to:

(i) enter upon the premises where records required by the conditions of this *Certificate* are kept;
(ii) have access to and copy, at reasonable times, any records required by the conditions of this *Certificate;*
(iii) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations required by the conditions of this *Certificate;* and
(iv) sample and monitor at reasonable times for the purposes of assuring compliance with the conditions of this *Certificate.*

8. Where there is a conflict between a provision of any document referred to in Schedule “A”, and the conditions of this *Certificate,* the conditions in this *Certificate* shall take precedence. Where there is a conflict between the documents listed

in Schedule "A", the document bearing the most recent date shall prevail.

9. Any information relating to this *Certificate* and contained in *Ministry* files may be made available to the public in accordance with the provisions of the *Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, C. F-31.

10. All records and monitoring data required by the conditions of this *Certificate* must be kept on the *Owner's* premises for a minimum period of three (3) years from the date of their creation.

Notification

11. The *Owner* shall ensure that all communications/correspondence made pursuant to this Provisional Certificate of Approval reference Certificate No. A262302.

12. The *Owner* shall notify the *Director* in writing of any of the following changes, within thirty (30) days of the change occurring:

(a) change of *Owner* or name of *Owner;*
(b) change of address or address of new *Owner;*
(c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, 1991 shall be included in the notification to the *Director;* and
(d) any change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" (form 1 or 2 of Ontario Regulation 182, Chapter C-39, R.R.O. 1990, as amended from time to time).

13. (a) The *Owner* shall notify the *District Manager*, in writing, within thirty (30) days of appointing an operator responsible for managing the operations of the *Site* on behalf of the *Owner;* and

(b) In the event of any change in ownership of the *Site,* the *Owner* shall notify in writing the succeeding owner of the existence of this Provisional Certificate of Approval, and a copy of such notice shall be forwarded to the *Director.*

***Site* Operations - General**

14. On each operating day, the *Owner* shall conduct a visual inspection of the security fence, road and gravel pad and waste storage locations to ensure that any potential problems such as odours, dust, vectors, vermin, rodents and other nuisances are controlled, that all litter is picked up, and that any possibility of fire is minimized.

15. If at any time problems such as odours, dust, litter, noise, vectors, vermin, rodents or other nuisances are generated at the *Site,* including all on-*Site* roads, the *Owner* shall take appropriate, immediate remedial action to eliminate the problem.

16. No *Scavenging* of waste is permitted to take place at the *Site.*

17. All wastes at the *Site* must be managed and disposed in accordance with the *Act* and its Regulations.

18. All surface water run-off from the *Site* must be discharged in accordance with the *OWRA.*

19. The service area for all waste and *MHSW* is the Counties of Grey, Bruce, Huron, Wellington, Simcoe, Dufferin, Perth and the Region of Waterloo.

Hours of Operation

20. The allowed operating hours of the *Site* are from to 7:30 a.m. to 6:00 p.m. Monday to Friday and 7:30 a.m. to 4:00 p.m. Saturday. The *Site* shall be closed Sundays and Statutory Holidays.

21. (a) When the *45-cubic metre MHSW storage container* is moved from the *Site* for use at the Egremont site that is owned by the Township of Southgate, *MHSW* that is normally accepted for storage in this container shall not be collected at the *Site;* and

(b) Within 30 days of issue of this *Certificate,* the *Owner* shall provide notice of the schedule for *MHSW* collection at the entrance to the *Site,* at the entrance to the Egremont site and on the *Owner's* web site.

<u>*Site* Operations - Landfill</u>

22. The *Site* may not receive waste for final disposal.

23. No operation shall be carried out at the *Site* unless this *Certificate* including the reasons for this condition has been registered by the *Owner* as an instrument in the appropriate Land Registry Office against title to the *Site* and a duplicate registered copy thereof has been returned by the applicant to the *Director.*

24. Burning of any material is prohibited at the *Site.*

<u>*Site* Operations - *MHSW* depot</u>

25. The *Municipal Hazardous and Special Waste (MHSW)* depot for the *Site* shall be developed, operated and maintain in accordance with the Conditions of this *Certificate* and the plans and specification in Schedule "A" of this *Certificate.*

26. The following Conditions apply to the *MHSW* depot:

(a) The *MHSW* Depot may accept only *MHSW;*

(b) The operation of the *MHSW* depot is limited to the *Bulking* of waste oil, waste anti-freeze, the collection of waste paint for *Bulking* or offer for re-use to the public and the collection and transfer of *MHSW* and associated *MHSW*solids and sludges;

(c) The Owner shall have absolute discretion in the refusal of any waste;

(d) *MHSW* shall be only accepted at the *MHSW* depot:
(i) from the Counties of Grey, Bruce, Huron, Wellington, Simcoe, Dufferin, Perth and the Region of Waterloo;
(ii) from householders responsible for those wastes;
(iii) from industrial, commercial and institutional (IC&I) businesses and farm operations where such wastes are considered unrelated to the operation of the business;
(iv) for any *MHSW* coming to the *Site* from industrial, commercial and institutional (IC&I) businesses and farm operations, the *Owner* shall fill out a form that identifies the name of the business or operation, the Vehicle Licence Plate number, the name of the person dropping off the waste, and shall have that person sign the form indicating that the business or operation is currently exempt from generator registration requirement for hazardous waste and/or waste oil and/or anti-freeze because they generate less than 5 kg per month of hazardous waste and/or less than 25 litres of waste oil and/or less than 25 litres of waste anti-freeze per month; and
(v) the maximum amount of *MHSW* that may be accepted at the *Site* from industrial, commercial and institutional (IC&I) businesses and farm operations in one day is 5 oil filters, 25-litres of waste oil, 25-litres of waste anti-freeze and 25-kilograms of hazardous waste.

(e) The maximum amounts of *MHSW* that are allowed to be received per day, stored on *Site* and the maximum allowed time of storage on *Site* are outlined in Schedule "B" of this *Certificate;*

(f) *MHSW* storage shall be restricted to three areas of the *Site* as follows:
i) An outdoor caged area of maximum size of 9 square metres, for the storage of waste cylinders such as propane containers;
ii) A Special Waste Building for storage of oil and antifreeze, *WEEE* and wet cell batteries;
iii) a *45-cubic metre MHSW storage container* for the storage of the remainder of the *MHSW* that is allowed to be stored on *Site*;

(g) Storage of *MHSW* in *45-cubic metre MHSW storage container* shall be in 205-litre drums that are either *lab packed* or contain non fragile solids or a homogeneous liquid;

(h) A maximum of 100 of the 205-litre drums containing *MHSW* may be stored in the *45-cubic metre MHSW storage container;*

(i) The holding tanks for waste oil or anti-freeze shall never exceed 90% of their capacities;

(j) In regards to the haulage of the *45-cubic metre MHSW storage container* from the *Site* the following applies:
Before the *45-cubic metre MHSW storage container* is allowed to be loaded onto a roll-off container truck, a *competent person* shall inspect the waste that is stored in the container and assess whether the storage is sufficiently safe and secure to allow it to be loaded onto a roll-off container truck. Once the *competent person*
is satisfied that the waste is properly secured in the container, they
shall provided written permission for the container to be loaded. A copy of the
written permission shall be kept as part of the daily records that are required by
Condition 49; and

(k) The receipt of waste class 312, is restricted to Sharps and Syringes that are received in biohazardous containers.

27. Management and Storage of *MHSW* shall be in accordance with the *Storage Guidelines* and the *MHSW Guidelines,* including but not limited to the following aspects:

(a) storage areas and containers containing flammable and/or ignitable materials shall be stored and managed in accordance with the *Fire Code* and shall be adequately grounded;
(b) waste motor oil may be bulked in a double-walled above ground waste oil storage tank that has a maximum capacity of 2200 litres. In addition, a maximum of 300 litres of oil may be stored in the *45-cubic metre MHSW storage container;*
(c) waste anti-freeze may be bulked in a storage tank maximum capacity of 1,300 litres that is provided with secondary containment of minimum capacity of 1430 litres. In addition, a maximum of 700 litres of waste anti-freeze may be stored in the *45-cubic metre MHSW storage container;*
(d) the waste oil and waste anti-freeze tanks shall be clearly labelled indicating their contents;
(e) with respect to the storage of waste wet cell batteries the following applies:
i) they may only be stored in neatly arranged non conducting wood or
fibreglass trays for secondary containment;
ii) they shall be placed on a wooden skid of approximate size 1.1 metres square;
iii) if they are not cracked, they may be stacked to a maximum of 4 high on
a wooden skid if the batteries are suitable for stacking;
iv) if safe to do so, a maximum of 2 skids of wet cell batteries may be stacked on one another;
v) batteries on skids shall be banded or shrink wrapped on the pallets before shipping; and
vi) cracked or wet cell batteries that are leaking shall not be stacked and
shall be handled with best management practices;
(f) waste propane cylinders and other waste cylinders may be only stored outside in a secure segregated area of maximum area of 9 square metres in a manner which prevents cylinders from being knocked over or cylinder valves from breaking;
(g) incompatible types of waste shall be segregated from one another during storage;
(h) waste received in fragile containers shall be *lab packed* if safe to do so;
(i) with respect to waste pharmaceuticals the following applies:
i) they may only be contained in a locked container to prevent
unauthorized access or removal; and
ii) when they are ready for transport, pharmaceuticals may be *lab packed;*
(j) the *Owner* shall have sufficient drums and lab-pack containers available on the premises for the storage of the waste collected;
(k) paint may either be bulked in to 205-litre drums or offered to the public for re-use;

(l) *MHSW* that is received and stored at the *MHSW* depot shall be in amounts which can be safely handled at the *Site* and in no case shall exceed the limits outlined in Schedule "B" of the *Certificate;*
(m) with the exception of cylinders such as used propane tanks, all *MHSW* shall be stored indoors;
(n) storage containers shall be clearly labelled indicating the type and nature of the *MHSW* stored;
(o) the indoor storage area shall be equipped with spill clean-up material;
(p) the indoor storage areas for *MHSW* shall be equipped with a means of ventilation;
(q) mercury containing devices such as switches, thermostats and thermometers shall be packed in suitable specialized containers or drums with packaging to prevent breakage;
(r) fluorescent bulbs and tubes shall be stored in suitable specialized containers or in drums with packaging to prevent breakage;
(s) sharps and syringes shall be placed in a sealed container that is labelled biohazardous and *lab packed* into a 205-litre storage drum or other suitable container;
(t) dry cell batteries shall be stored separately in pails by type (i.e. lithium batteries stored separately from nickel-cadmium batteries etc.) and in manner which prevents spontaneous ignition of stored batteries; and
(u) the electric terminals of lithium batteries shall be taped with electrical insulating tape to prevent shorting of the electric terminals.

28. With respect waste oil, paint or ballasts that may contain *PCBs* the following apply:

(a) For unidentified oils and/or oils which are suspected of containing *PCBs,* they shall not be mixed (bulked), with other oils prior to testing. Oils which are *lab packed* are not considered to be mixed under this *Certificate;*

(b) oil based paint which has been manufactured prior to 1972 shall be assumed to contain *PCBs* unless tested and found to contain less than 50 parts per million of *PCBs;*

(c) Waste light ballasts shall be checked by a *competent person* to see if they may contain *PCBs.* If they are found to likely contain *PCBs,* they shall be treated as *PCB* waste and shall be *lab packed* in a 205-Litre drum that is labelled "Ballasts that may contain *PCBs"*; and

(d) Light ballasts that are suspected of containing *PCBs* and waste oil, and paint which have been found to contain *PCBs* at or above 50 parts per million shall be reported forthwith to the *District Manager* and shall be managed in accordance with Ontario Regulation 362 and stored or removed from the *Site* to an approved *PCB* storage site, in accordance with written instructions from the *District Manager.*

29. The *Owner* may only offer waste paint for reuse provided that the following conditions are met:

(a) the container is labelled as to its contents;
(b) the container is undamaged such that the material may be transported without risk of leaks or spills;
(c) all transactions are recorded by invoice; and
(d) information on the type and volume of waste returned to the public through the *MHSW* depot shall be recorded in the records that are required by Condition 49 of this *Certificate.*

<u>*Site* Operations - Waste Transfer Station</u>

30. The *Site* Transfer Station shall only accept and store the following types and quantities of wastes generated in the Township of Southgate:

(a) wood wastes such as brush, scrap lumber and stumps limited to 62 m^3 at any time;
(b) construction and demolition wastes, household bulky wastes such as furniture and mattresses, limited to 62 m^3 at any time;

(c) appliances including refrigerators and stoves and scrap metal limited to 92 m^3 at any time;
(d) recyclable (Blue Box) materials limited to 31 m^3 at any time;
(e) yard wastes limited to 31 m^3 at any time;
(f) used tires limited to 1500 *tire units* at any time;
(g) kitchen organics limited to 3 m^3 at any time; and
(h) non-hazardous household refuse limited to 3 m^3 at any time.

31. The *Owner* shall ensure that:

(a) at least one dedicated *competent person* is at the *Site* to directly supervise the operation of the *MHSW* depot;

(b) during operating hours, all incoming *MHSW* shall be inspected by a *competent person,* prior to being accepted at the *MHSW* depot; and

(c) that they have a current list of *competent people* at the *Site* and available for inspection by a Provincial Officer.

32. Prior to being accepted at the *Site* Transfer Station, all incoming waste shall be inspected by a *competent person* and shall only be permitted to enter the *Site* if the *Site* is approved to accept that type of waste.

33. In the event that waste or recyclable materials cannot be removed from the *Site* Transfer Station and the total approved storage capacity is reached, the *Owner* shall:

(a) cease accepting additional waste to ensure the total approved storage capacity does not exceed the maximum amount approved by this *Certificate;* and
(b) submit to the *District Manager,* a schedule for removal the stored waste, within five (5) days of reaching the storage capacity; and
(c) remove stored waste in accordance with the schedule required in Condition 33 (b).

34. (a) The *Owner* shall ensure that all *white goods which contain refrigerants* accepted at the *Site* Transfer Station, and which have not been tagged by a licensed technician to verify that the equipment no longer contains refrigerants, are stored in an upright position and in such a manner to allow for the safe handling and removal from the *Site* for removal of refrigerants by a licensed technician as required by *Ontario Regulation 189;* and

(b) The *Owner* shall maintain a detailed log of all *white goods which contain refrigerants* received. The log shall include the following: date of the record, types, quantities and source of *white goods which contain refrigerants* received, details on removal of refrigerants as required by *Ontario Regulation 189* if refrigerants were removed on *Site,* and the quantities and destination of the white goods and/or refrigerants transferred from the *Site.*

35. The *Owner* shall forthwith implement the operating and maintenance procedures, as outlined in Item 3, Schedule "A", including training in these procedures.

<u>*Site* Security</u>

36. The *Site* shall be maintained in a secure manner, such that unauthorized vehicles cannot enter the *Site.*

37. The *Owner* shall limit access to and from the *Site* to the approved hours of operation and when the *Site* is supervised by a *competent person*.

38. The *Owner* shall ensure that a sign, readable from the nearest public road, is posted at the entrance to this *Site* stating:

(a) the *Owner's* name;

(b) an emergency telephone number;
(c) a telephone number for complaints;
(d) operating hours; and
(e) acceptable waste types.

39. If at any time, the *Owner* receives complaints regarding the operation of the *Site,* the *Owner* shall respond to these complaints according to the following procedure:

(a) The *Owner* shall record each complaint on a formal complaint form as provided in Item 3, Schedule "A";
(b) The *Owner*, upon notification of the complaint shall initiate appropriate steps to determine all possible causes of the compliant, proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the complainant; and
(c) The *Owner* shall retain on-*Site* a report written within one (1) week of the complaint date, listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the reoccurrence of similar incidents.

Spills

40. The *Owner* shall promptly take all necessary steps to contain and clean up any spills or upsets (including uncontrolled run-off to tile beds, drains, surface-water and groundwater supplies and wells) which result from this operation. All spills and upsets shall be immediately reported to the *Ministry's* Spill Action Centre at 1-800-268-6060 and shall be recorded in a written log or an electronic file format, as to the nature of the spill or upset, and action taken for clean-up, correction and prevention of future occurrences.

Environmental Emergency Plan

41. Within ninety (90) days of issuing this *Certificate,* the *Owner* shall have in place an Environmental Emergency Plan (E2 Plan). A copy of the E2 Plan shall be provided to the *District Manager* and the local Fire Department within 95 days of issue of this *Certificate.* The E2 Plan shall include, but is not limited to:

(a) the preparation for, the prevention of, the response to and the recovery from an environmental emergency;
(b) a list of emergency response equipment and spill clean up materials, including names and telephone numbers of waste management companies available for emergency response; and
(c) a notification protocol with names and telephone numbers of persons to be contacted, including *Owner's* personnel, the *Ministry's* Spills Action Centre and District Office, the local Municipality and Fire Department.

42. The *Owner* shall annually review and update as needed the Environmental Emergency Plan. An updated copy of the E2 Plan shall be kept in a central location available to all staff and for inspection by a Provincial Officer. A copy of the E2 Plan shall be submitted within 30-days of an update to:

(a) the *District Manager,* and
(b) the local Fire Department.

43. The *Owner* shall ensure that:

(a) the equipment and materials outlined in the Environmental Emergency Plan are in a good state of repair, fully operational and immediately available; and
(b) all operating personnel are fully trained in the Environmental Emergency response equipment and materials' use and in the procedures to be employed in the event of an emergency.

Inspections

44. On each operating day, a visual inspection by a *competent person* shall be conducted of the following areas of the *Site*:

i. loading/unloading area(s);
ii. processing area(s);
iii. storage area(s); and
iv. perimeter security fence or barriers.

45. A *competent person* shall inspect the entire *Site* each day the *Site* is in operation to ensure that:

(a) the *Site* is secure;
(b) there are any no off-*Site* impacts such as vermin, vectors, odour, dust or litter result from the operation of the *Site;*
(c) that the operations of the *Site* are not causing any adverse effects on the environment; and
(d) the Site is being operated in compliance with the *Certificate.*

46. Any deficiencies noted during the inspection shall be promptly corrected, including temporarily ceasing operations at the *Site* if needed.

47. Results of the inspection shall be recorded in the daily record log as outlined in Condition 49 of the *Certificate.*

48. The *Owner* shall have a *competent person:*

(a) on a regular basis, inspect all containment systems for cracks and spalling;
(b) on an annual basis, examine or test the oil storage tank to ensure there are no leaks;
(c) remedy any malfunction and/or deficiency which these inspections, examinations or tests reveal; and
(d) record the inspections as required by Condition 45 of the *Certificate.*

Daily Log Book

49. A log book or electronic file shall be maintained for a minimum of five years and shall include daily records of the following information. All amounts must be recorded in metric units:

(i) date of record;
(ii) the name of carrier and waste management Certificate of Approval number if the *MHSW* waste received is from an industrial, commercial or institutional business;
(iii) types, quantities, source and person delivering the *MHSW;*
(iv) daily estimates of the amount of *MHSW* and other wastes stored at the *Site;*
(v) quantities and destination of waste and residual materials shipped from the *Site;*
(vi) quantities of paint provided to the public for reuse;
(vii) a record of any waste refusals which shall include; amounts, reasons for refusal and actions taken;
(viii) a list of areas inspected and deficiencies observed;
(ix) any environmental and operational problems, that could negatively impact the environment or human health, encountered during the operation of the *Site* and any actions taken to mitigate the situation;
(x) the action taken for the clean up or correction of the spill, the time and date of the spill or process upset, and for spills, the time that the *Ministry* and other persons were notified of the spill in fulfilment of the reporting requirements in the *Act;* and
(xi) any recommendations to minimize environmental impacts from the operation of the Site.

Annual Report

50. By March 31, 2012, and on an annual basis thereafter, the *Owner* shall provide a copy to the *District Manager* of an annual report covering the previous calendar year. Each report shall include, as a minimum, the following information:

(a) a summary, in tabular form where possible, of the information required to kept in Condition 49;
(b) a statement as to compliance with all Conditions of this Provisional Certificate of Approval and with the inspection and reporting requirements of the Conditions herein;
(c) any recommendations to minimize environmental impacts from the operation of the *Site* and to

improve *Site* operations and monitoring programs in this regard; and
(d) provide a list of *competent people* at the *Site.*

Closure Plan

51. (a) The *Owner* shall submit, for approval by the *Director,* a written Closure Plan four (4) months prior to the permanent closure of the *Site.* This plan must include, as a minimum, a description of the work that will be done to facilitate closure of the *Site* and a schedule for completion of that work; and

(b) Within ten (10) days after closure of the *Site,* the *Owner* must notify the *Director,* in writing, that the *Site* is closed and that the *Site* Closure Plan has been implemented.

SCHEDULE "A"

This Schedule "A" forms part of Provisional Certificate of Approval No. A262302

1. Report titled "Development and Operation Plan, Village of Dundalk, Proton Landfill Site" prepared by Terraqua Investigations Ltd, dated May 1992.

2. Application for a Provisional Certificate of Approval for a Waste Disposal Site signed by Ms. Bonnie Riddell, dated December 12, 2002.

3. Documentation in Support of Application for Approval of a Waste Disposal Site dated November 25, 2002 prepared by R.J. Burnside & Associates Limited.

4. Letter from Ms. B. Riddell, Clerk Administrator, Township of Southgate, to Environmental Assessment and Approvals Branch, dated January 14, 2003 re: Notification of area property owners.

5. Letter from Mr. J. Hollingsworth, R.J. Burnside & Associates Limited, to Environmental Assessment and Approvals Branch, dated January 20, 2003 re: revised details for used oil collection.

6. Application for a Provisional Certificate of Approval for a Waste Disposal Site signed by Mr. Dave Milliner, Environmental Services Manager, Township of Southgate, dated September 4, 2003.

7. Letter from Mr. James Hollingsworth, R.J. Burnside & Associates Limited, to EAAB, dated September 9, 2003 outlining the reasons for the required amendment.

8. Application for a Provisional Certificate of Approval for a Waste Disposal Site signed by David Milliner, Environmental Services Manager, Township of Southgate, dated June 28, 2007.

9. Dundalk bulky Waste Transfer Station- Waste Depot Operations, prepared by James Hollingsworth, R.J. Burnside & Associates Limited, to EAAB, dated June 5, 2007.

10. Application for a Provisional Certificate of Approval for a Waste Disposal Site signed by David Milliner, Chief administrative Officer, Township of Southgate, dated February 25, 2011.

11. Design and Operations report with the title "Township of Southgate, Dundalk Waste Transfer Facility, MHSW Depot Operations," dated February 2011 and prepared by R.J. Burnside and Associates Limited.

12. May 20, 2011 letter from James R. Holingsworth, P.Eng., Manager, Solid Waste Services, R.J. Burnside & Associates Limited, to Jim Chisholm, P.Eng., Ministry of the Environment.

13. June 21, 2011 letter from James R. Hollingsworth, P.Eng., Solid Waste Services, R.J. Burnside & Associates Limited, to Jim Chisholm, P.Eng., Ministry of the Environment.

SCHEDULE "B"

This Schedule "B" forms part of Provisional Certificate of Approval No. A262302

Waste	Maximum daily amount received	Maximum amount allowed to be stored at *Site*	Maximum storage time at *Site*
Used oil	2,500 litres	2,500 litres	Until tank 90% full
Anti-freeze	2,000 litres	2,500 litres	Until tank 90% full
WEEE	1 tonne	5 tonnes	6 months
Tires	1500 tires units	1500 *tire units*	6 months
Wet Cell Batteries	100 batteries	500 batteries	6 months
Cylinders (i.e. Propane)	100 cylinders	1000 cylinders	6 months
Paint and solvent	500 litres	2,500 litres	6 months
All other *MHSW* not covered above in this table	Reasonable amounts reflective of normal activity of *MHSW* depot	Reasonable amounts reflective of normal activity of *MHSW* depot. Maximum total *MHSW* in the *45-cubic metre MHSW storage container* is 45 cubic metres.	6 months

The reasons for the imposition of these terms and conditions are as follows:

1. The reason for Conditions 1, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, and 18 is to clarify the legal responsibilities and obligations imposed by this Provisional Certificate of Approval.

2. The reason for Conditions 2, 22 and 27 is to ensure that this Site is operated in accordance with the application submitted by the Company, and not in a manner which the Director has not been asked to consider.

3. The reason for Conditions 6 and 7 is to ensure that appropriate Ministry staff have ready access to the system in order to confirm that the system is being operated according to this Provisional Certificate of Approval. The condition is supplementary to the powers afforded a Provincial Officer pursuant to the Environmental Protection Act, the Ontario Water Resources Act, and the Pesticides Act, as amended.

4. The reason for Conditions 14, 15, and 16 is to ensure that the site is operated in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.

5. The reason for condition 19 is to identify the service area for the site.

6. The reason for condition 20 is to specify the allowed hours of work of the site.

7. The reason for Condition 21 and 25 to 32 inclusive is to ensure that the types and quantities of waste received at the Site are in accordance with that approved under this Certificate, and that waste storage is done in a manner and duration which does not result in a nuisance or a hazard to the health and safety of the environment or people.

8. The reason for Condition 22 is because the landfill site is closed.

9. The reason for Condition 23 is to alert any body interested in the property that it has been used as a landfill site.

10. The reason for Conditions 24 is to prohibit the burning of waste as the landfill site is now closed and waste is no longer accepted for final disposal.

11. The reason for Condition 33 is to prevent an adverse effect from happening in the event that materials cannot be removed from the Site.

12. The reason for Condition 34 is to outline some of the requirement for the management of white goods which contain refrigerants at the site.

13. The reason for Condition 35 is so that proper operating and maintenance procedures be used at the site.

14. The reason for Conditions 36, 37, and 38 is to minimize the risk of unauthorized entry and to ensure the Site is only operated in the presence of trained personnel and to ensure proper management of waste.

15. The reason for Condition 39 is to ensure that complaints are properly and quickly resolved and that complaints and follow-up actions have been documented.

16. The reasons for Condition 40 is to ensure that the Owner immediately responds to a spill and notify the Ministry forthwith of any spills as required in Part X of the EPA so that appropriate spills response can be determined.

17. The reason for Conditions 41, 42, and 43 is to ensure that the Owner's staff are properly trained in the operation of the equipment used at the Site and emergency response procedures. This will minimize the possibility of spills occurring and will enable staff to deal promptly and effectively with any spills that do occur.

18. The reasons for Conditions 44 to 48 is to insure that the site is properly inspected and maintained.

19. The reason for Conditions 49 and 50 is to ensure that proper records of the operations of the site are kept and that the Ministry is informed annually of the operations of the site.

20. The reason for Condition 51 is to ensure that the Site is closed in accordance with MOE standards and to protect the health and safety of the environment.

This Provisional Certificate of Approval revokes and replaces Certificate(s) of Approval No. A262302 issued on March 20, 2003, as amended.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the waste disposal site is located;

And the Notice should be signed and dated by the appellant.

CONTENT COPY OF ORIGINAL

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Director
Section 39, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted waste disposal site is approved under Section 39 of the Environmental Protection Act.

DATED AT TORONTO this 12th day of July, 2011

Tesfaye Gebrezghi, P.Eng.
Director
Section 39, *Environmental Protection Act*

JC/
c: District Manager, MOE Owen Sound
James R. Hollingsworth, P.Eng., R.J. Burnside & Associates Limited

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Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

AMENDMENT TO ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER A262302
Notice No. 1
Issue Date: June 14, 2016

The Corporation of the Township of Southgate
185667 Grey County Road 9
Rural Route, No. 1
Dundalk, Ontario
N0C 1B0

Site Location: Dundalk Transfer Station and Closed Landfill Site
Lot 232, Concession 3
Southgate Township, County of Grey

You are hereby notified that I have amended Approval No. A262302 issued on July 12, 2011 for a 6.6 hectare Waste Disposal Site consisting of a closed landfill site on 0.8 hectares, a transfer site and a Municipal Hazardous and Special Waste depot , as follows:

I. For the purposes of this *Approval* , the following definitions are hereby amended:

"Approval" or "ECA" means this entire provisional Environmental Compliance Approval document, issued in accordance with Section 20.3 of the *EPA* , and includes any schedules to it, the application and the supporting documentation listed in Schedule "A";

"Director" means any *Ministry* employee pursuant to section 20.3 of Part II.1 of the *EPA* .

II. Condition 50 of this *Approval* is hereby amended as follows:

50. By March 31, 2017, and on a biennial basis thereafter, the *Owner* shall submit to the *District Manager* a "Biennial Report" which shall cover the 24 month period of the previous two years. Each report shall include, as a minimum, the following information:

(a) a summary, in tabular form where possible, of the information required to be kept in Condition 49;

(b) a statement as to compliance with all Conditions of this *Approval* and with the inspection and reporting requirements of the Conditions herein;

(c) the results and analyses of all groundwater, surface water, leachate and landfill gas monitoring, as specified in Schedule "C" of this *Approval* ;

(d) comparison of results to the appropriate Ministry standards and guidelines, including the *Ministry's* Reasonable Use Guideline and the Provincial Water Quality Objectives;

(e) any recommendations to minimize environmental impacts from the operation of the *Site* and to

improve *Site* operations and monitoring programs in this regard; and

(f) provide a list of *competent persons* at the *Site.*

III. The following Condition is hereby added to this *Approval* :

52. (a) Ground water, surface water and gas monitoring at the *Site* shall be carried out in accordance with Schedule "C".

(b) In the event the *Owner* recommends any changes to the environmental monitoring plan in the Biennial Report, the *Owner* shall provide a cover letter with the submission of the biennial report that clearly indicates the report contains proposed changes to the environmental monitoring plan and request the District Office review the proposed changes. The cover letter shall be addressed to the *District Manager* .

(c) Within fourteen (14) days of receiving written correspondence from the District Office confirming that the District Office is in agreement with the proposed changes to the environmental monitoring program identified in Condition 52 (b), the *Owner* shall forward a letter identifying the proposed changes, copies of the correspondences from the *District Manager* and all other correspondences and responses related to Condition 52 (b), to the *Director* requesting the *Approval* be amended to approve the proposed changes to the environmental monitoring plan.

(d) In the event any other changes to the environmental monitoring program are proposed outside of the recommendation of the Biennial Report, the *Owner* shall follow current *Ministry* procedures for seeking approval for amending the *ECA* .

IV. The following items are hereby added to Schedule "A" of this *Approval* :

14. Letter from Ian Mitchell, District Engineer, Owen Sound Area Office, Ministry of the Environment, dated April 13, 2006 to Mr. David Milliner, Corporation of the Township of Southgate, regarding changing reporting frequency from annual to bi-annual.

15. Letter from A.W. Bringleson, GM BluePlan Engineering Limited, dated March 31, 2015 to the Ministry of the Environment, enclosing an ECA application for amending Condition 50 of Approval A262302, and other supporting information.

V. This Schedule "C" forms part of Environmental Compliance Approval No. A262302

SCHEDULE "C"

	Monitoring Location	Sampling Frequency	Parameters
Ground Water Monitoring	DL1S, DL1D	Once every four years (Fall)	Arsenic, Barium, Boron, Calcium, Iron, Magnesium, Manganese, Phosphorus, Potassium, Sodium, Chloride, Nitrate, Nitrite, Sulphate, Alkalinity, Conductivity, Hardness, pH, Ammonia, Biological Oxygen Demand,
	DL2, DL3S, DL3I, DL3D, DL4, DL5R-04, MW-1, MW-2, MW-3	Once every year (Fall)	

			Dissolved Organic Carbon, Chemical Oxygen Demand, Total Dissolved Solids, Total Kjeldahl Nitrogen
	DL4, DL5R-04	Once every four years (Fall)	Volatile Organic Compounds
Surface Water Monitoring	SW-2, SW-3, SW-4	Twice every year (Spring and Fall)	Barium, Boron, Iron, Manganese, Potassium, Sodium, Chloride, Sulphate, Alkalinity, Conductivity, Field Temperature, Hardness, pH, Ammonia, Chemical Oxygen Demand, Dissolved Organic Carbon, Total Dissolved Solids, Total Phosphorus, Total Suspended Solids
Gas Monitoring	GP-1, GP-2, GP-3, GP-4, GP-5, GP-6, DL5R-04	Once every year (Fall)	Combustible Gas (Methane)

VI. The reasons for this amendment to the *Approval* are as follows:

1. The reason for Condition 50 is to change the reporting frequency from annual to bi-annual, in accordance with items 14 and 15 of Schedule "A".

2. The reason for Condition 52 is to demonstrate that the impacts on the natural environment from the closed landfill site are acceptable. Regular monitoring allows for the analysis of trends over time and ensures that there is an early warning of potential problems so that any necessary remedial/contingency action can be taken.

This Notice shall constitute part of the approval issued under Approval No. A262302 dated July 12, 2011

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal 655 Bay Street, Suite 1500 Toronto, Ontario M5G 1E5	AND	The Director appointed for the purposes of Part II.1 of the Environmental Protection Act Ministry of the Environment and Climate Change 135 St. Clair Avenue West, 1st Floor Toronto, Ontario M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 14th day of June, 2016

Dale Gable, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

MT/
c: District Manager, MOECC Owen Sound
Alen Bringleson, GM BluePlan Engineering Limited

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Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

AMENDMENT TO ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER A262302
Notice No. 2
Issue Date: June 13, 2018

The Corporation of the Township of Southgate
185667 Grey County Road 9
Rural Route, No. 1
Dundalk, Ontario
N0C 1B0

Site Location: Dundalk Transfer Station and Closed Landfill Site
Lot 232, Concession 3
Southgate Township, County of Grey

You are hereby notified that I have amended Approval No. A262302 issued on July 12, 2011 and amended on June 14, 2016 for a 6.6 hectare Waste Disposal Site consisting of a closed landfill site on 0.8 hectares, a transfer site and a Municipal Hazardous and Special Waste depot , as follows:

Schedule "C" of this *Approval* is hereby amended as follows:

SCHEDULE "C"

	Monitoring Location	**Sampling Frequency**	**Parameters**
Ground Water Monitoring	DL1S, DL1D	Once every four years (Fall)	Arsenic, Barium, Boron, Calcium, Iron, Magnesium, Manganese, Phosphorus, Potassium, Sodium, Chloride, Nitrate, Nitrite, Sulphate, Alkalinity, Conductivity, Hardness, pH, Ammonia, Dissolved Organic Carbon, Total Dissolved Solids, Total Kjeldahl Nitrogen
	DL2, DL3S, DL3I, DL3D, DL4, DL5R-04, MW-1, MW-2, MW-3	Once every year (Fall)	
	DL4, DL5R-04	Once every four	Volatile Organic

		years (Fall)	Compounds
Surface Water Monitoring	SW-2, SW-3, SW-4	Once every year (Fall)*	Barium, Boron, Iron, Manganese, Potassium, Sodium, Chloride, Sulphate, Alkalinity, Conductivity, Field Temperature, Hardness, pH, Ammonia, Dissolved Organic Carbon, Total Dissolved Solids, Total Phosphorus
Gas Monitoring	GP-1, GP-2, GP-3, GP-4, GP-5, GP-6, DL5R-04	Once every year (Fall)	Combustible Gas (Methane)

***Note:** To meet the requirement for once-a-year sampling, surface water samples must be taken more than once-a-year if dry conditions are encountered on a designated sampling day.

This Notice shall constitute part of the approval issued under Approval No. A262302 dated March 20, 2003

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;

b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;

2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1
of the Environmental Protection Act
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or** www.ert.gov.on.ca

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 13th day of June, 2018

Dale Gable, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

ND/
c: District Manager, MOECC Owen Sound
A.W. Bringleson, GM Blueplan Engineering Limited

Ministry of the Environment and Climate Change
Operations Division

Confirmation of Registration

Registration Number:R-002-3505452735
Version Number: 001

Date Registration Filed:May 06, 2015 12:49:18 PM

Dear Sir/Madam,

LYSTEK INTERNATIONAL INC
1425 BISHOP ST NORTH, UNIT
CAMBRIDGE ON N1R 6J9

You have registered, in accordance with Section 20.21(1)(a) of the *Environmental Protection Act* , the use, operation, construction, alteration, extension or replacement of a Standby Power located at:

191 Eco Park Way Dundalk ON N0C 1B0

Please note that the Standby Power is subject to the applicable provisions of O.Reg 245/11 and O. Reg. 346/12. Environmental Protection Act.
The activity related information provided during the registration process is included as part of the confirmation of registration as schedule 'A'
Dated on May 06, 2015

Director
Environmental Approvals Access and Service Integration Branch
Ministry of the Environment and Climate Change
2 St.Clair Avenue West,Floor 12A
Toronto ON M4V 1L5

Any questions related to this registration and the Environmental Activity and the Sector Registry should be directed to:

Ministry of the Environment and Climate Change
Customer Service Representative
Environmental Approvals Access and Service Integration Branch

Phone:(416) 314-8001
Toll free: 1-800-461-6090

Schedule 'A'

Part 3 . Activity Information

3.1 Registration Information

This form is to be used to register the use, operation, construction, alteration, extension, or replacement of the standby power system. Please confirm that you will be engaging in one or more of these activities.	☑ Yes	☐ No

3.2 Activity Design-Related Information

(a) Is the standby power system intended to be used only for the provision of electrical power during power outages or involuntary power reductions?	☑ Yes	☐ No
(b) Is the rated capacity of each generator unit that is part of the standby power system 700 kilowatts or less?	☑ Yes	☐ No
(c) Does the standby power system only use one or more of the following as fuel: - biodiesel; - diesel; - natural gas; or - propane?	☑ Yes	☐ No
(d) Is the wastewater from the standby power system, if any: - transferred to a waste management system that is subject to an Environmental Compliance Approval or is registered in the Environmental Activity and Sector Registry; - discharged to a sewage works that is subject to an Environmental Compliance Approval; or - discharged to a municipal sanitary sewer?	☑ Yes	☐ No

3.3 Environmental Activity and Sector Registration Exemptions

(a) Is the standby power system used to generate electricity at a renewable energy generation facility and is operated in the circumstances described in subsection 7(1) of Ontario Regulation 359/09 (Renewable Energy Approvals under Part V.0.1 of the Environmental Protection Act)?	☐ Yes	☑ No
(b) Is the standby power system associated with a building or structure that contains one or more dwellings and is used by the occupants of not more than three dwellings in the building or structure?	☐ Yes	☑ No
(c) Is the standby power system used in agriculture?	☐ Yes	☑ No
(d) Is the standby power system used solely to mitigate the effects of an emergency declared to exist under the Emergency Management and Civil Protection Act?	☐ Yes	☑ No
(e) Is the standby power system part of a large municipal residential system or small municipal residential system, as those systems are defined in Ontario Regulation 170/03 (Drinking Water Systems) made under the Safe Drinking Water Act, 2002?	☐ Yes	☑ No

Content Copy Of Original

Ontario

Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 8850-8V6S7Z
Issue Date: March 8, 2022

Lystek International Corp.
125 McGovern Dr, No. 1
Cambridge, Ontario
N3H 4R7

Site Location: Southgate Organic Materials Recovery Centre
191 Eco Park Way
Parts 1 & 2, Ref. Plan 16R-10075
Part-Lot 235 & 236, Concession 2 SWTSR
Geographic Township of Proton
Southgate Township, County of Grey
N0C 1B0

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

a 5.1 hectare Waste Disposal Site (Processing) encompassing the following:
- a 1950 m^2 (approximate) reinforced concrete and structural steel building for the receipt and processing of waste and for ancillary functions;
- five 50 m^3 pre-cast concrete underground storage tanks;
- one 31,600 m^3 and one 58,400 m^3 lagoon lined with a 30 mil geomembrane for the storage of treated waste;
- one 2,400 m^3 supplemental feed stock storage lagoon with a 30 mil HDPE geomembrane;
- two 19,500 L double-walled polyethylene reagent tanks for the storage of potassium hydroxide or, sodium hydroxide;
- one 30,500 L double-walled polyethylene reagent tanks for the storage of calcium hydroxide;
- four 9000 L single-walled steel process reactors (only three in operation at any one time);
- ancillary structures including but not limited to weigh scales, lagoon wet wells and groundwater monitoring network.

to be used for the processing of the following types of waste:
- sewage biosolids
- pulp and paper biosolids
- untreated septage
- processed organic waste
- liquid waste from food processing and preparation operations
- liquid industrial waste, restricted to leachate generated from compost facilities only.

Note: Use of the site for any other type of waste is not approved under this environmental compliance approval, and requires obtaining a separate approval amending this environmental compliance approval.

For the purpose of this environmental compliance approval, the following definitions apply:

(a) " ***Approval*** " means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed in Schedule "A";
(b) " ***competent*** " means an employee who has received training in accordance with Condition 22.1(a) and (b), and is knowledgeable and able to carry out any necessary duties;
(c) " ***Director*** " means any *Ministry* employee appointed in writing by the Minister pursuant to section 5 of the *EPA* as a Director for the purposes of Part V of the *EPA;*
(d) " ***District Manager*** " means the District Manager of the local district office of the *Ministry* in which the *Site* is geographically located;
(e) " ***EPA*** " means the *Environmental Protection Act,* R.S.O. 1990, C.E-19, as amended;
(f) " ***liquid waste from food processing and preparation operations*** " means liquid waste that results directly from food processing and preparation operations including food packing, food preserving, wine making, cheese making and restaurant operations;
(g) ***" low analysis farm fertilizer "*** means a fertilizer product registered with the Canadian Food Inspection Agency as a low analysis farm fertilizer;
(h) " ***NASM*** " means non-agricultural source material as defined by *Ontario Regulation 267/03;*
(i) " ***major works*** " means all aspects of the lagoon systems;
(j) " ***Ministry*** " and " ***MECP*** " both mean the Ontario Ministry of the Environment, Conservatoin and Parks;
(k) " ***OWRA*** " means the *Ontario Water Resources Act,* R.S.O. 1990, c. O.40, as amended;
(l) " ***Ontario Regulation 267/03*** " means Ontario Regulation 267/03 made under the *Nutrient Management Act,* 2002, as amended from time to time;
(m) " ***Reg. 347*** " means Regulation 347, R.R.O. 1990, General - Waste Management, made under the *EPA,* as amended from time to time;
(n) " ***Operator*** " means any person, other than the *Owner's* employees, authorized by the *Owner* as having the charge, management or control of any aspect of the *Site;*
(o) " ***Owner*** **"** means any person that is responsible for the establishment or operation of the *Site* being approved by this *Approval,* and includes Lystek International Corp., its successors and assigns;
(p) " ***PA*** " means the *Pesticides Act,* R.S.O. 1990, c. P-11, as amended from time to time;
(q) " ***Provincial Officer*** " means any person designated in writing by the Minister as a

provincial officer pursuant to section 5 of the *OWRA* or section 5 of the *EPA* or section 17 of *PA;*
(r) " ***processed organic waste*** " means waste that is predominantly organic in composition and has been treated by aerobic or anaerobic digestion, or other means of stabilization and includes sewage residue from sewage works that are subject to the provisions of the *OWRA;*
(s) " ***pulp and paper biosolids*** " means solid or liquid material that results from the treatment of wastewater generated by a manufacturer of pulp, paper, recycled paper or paper products including corrugated cardboard;
(t) " ***residual waste*** " means waste that is destined for final disposal. Land application as a *NASM* is not considered final disposal within the context of this *Approval;*
(u) " ***sewage biosolids*** " means the residue from a sewage treatment works following treatment of sewage and removal of effluent;
(v) " ***Site*** " means the entire 8.7 hectare waste disposal site located at municipal address 191 Eco Park Way and legally described as Parts 1 and 2, Reference Plan 16R-10075, and Part 1 and 2 on Reference Plan 10439, Lot 235 and 236, Concession-2 SWTSR, geographic Township of Proton, approved by this *Approval;*
(w) " ***treated waste*** " means waste that has fully completed the *Owner's* treatment process. Waste that is undergoing the treatment process is considered to be unprocessed;
(x) " ***untreated septage*** " means human body waste, toilet or other bathroom waste and mixtures containing human body waste, toilet or other bathroom waste that has not been treated to reduce pathogens.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1.0 Compliance
1.1 The *Owner* shall ensure compliance with all the conditions of this *Approval* and shall ensure that any person authorized to carry out work on or operate any aspect of the *Site* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
1.2 Any person authorized to carry out work on or operate any aspect of the *Site* shall comply with the conditions of this *Approval.*
2.0 In Accordance
2.1 Except as otherwise provided for in this *Approval,* the *Site* shall be designed, developed, built, operated and maintained in accordance with the application for this *Approval,* dated August 8, 2011, and the supporting documentation listed in Schedule "A".
2.2 (a) Use of the *Site* for any other type of waste, or other waste management activity, is not approved under this *Approval,* and requires obtaining a separate approval

amending this *Approval;* and
(b) Applications to amend this *Approval,* for reasons other than administrative amendments, shall include submission of a revised Design and Operations Report.
2.3 Each *major work* shall be constructed in accordance with the approved design presented in Appendices R, S and T, Item 2 of Schedule "A". The quality control / quality assurance procedures shall be implemented as proposed by the *Owner* in Appendix T, Item 2 of Schedule "A". Any significant variances from the approved design for the *Site* as detailed in Schedule "A" shall be subject to approval by the *Director.*
2.4 Within 120 days of completion of the construction of the *major works,* the *Owner* shall submit to the *District Manager,* with a copy sent to the *Director,* a construction report detailing the construction activities and any design changes made during construction of the *major works.* The report shall include, but not be limited to, the following:
(a) drawing(s) of the "as-built" lagoon(s); and
(b) a description of the various construction stages; and
(c) a description of the quality assurance/quality control measures followed during construction and a statement as to whether the liner installation met all quality assurance/quality control measures; and
(d) a description of any deviations from the design documentation submitted as Item 2, Schedule "A".

3.0 Interpretation

3.1 Where there is a conflict between a provision of any document, including the application, referred to in this *Approval,* and the conditions of this *Approval,* the conditions in this *Approval* shall take precedence.
3.2 Where there is a conflict between the application and a provision in any documents listed in Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the *Ministry* approved the amendment.
3.3 Where there is a conflict between any two documents listed in Schedule "A", other than the application, the document bearing the most recent date shall take precedence.
3.4 The conditions of this *Approval* are severable. If any condition of this *Approval,* or the application of any condition of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Approval* shall not be affected thereby.

4.0 Other Legal Obligations

4.1 The issuance of, and compliance with, this *Approval* does not:
(a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or
(b) limit in any way the authority of the *Ministry* to require certain steps be taken or to require the *Owner* and *Operator* to furnish any further information related to compliance with this *Approval.*
4.2 (a) All wastes at the *Site* shall be managed and disposed in accordance with the

EPA and *Reg. 347;* and
(b) Wastes generated by the activities undertaken at the *Site,* for example spent media from the biofilters, shall be classified, with confirmatory analysis as necessary, to determine the appropriate disposal requirements in accordance with *Reg. 347.*

5.0 Adverse Effect

5.1 The *Owner* shall take steps to minimize and ameliorate any adverse effect on the natural environment or impairment of water quality resulting from the *Site,* including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.
5.2 Despite an *Owner, Operator* or any other person fulfilling any obligations imposed by this *Approval* the person remains responsible for any contravention of any other condition of this *Approval* or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect to the natural environment or impairment of water quality.

6.0 Change of Owner

6.1 The *Owner* shall notify the *Director,* in writing, and forward a copy of the notification to the *District Manager,* within 30 days of the occurrence of any changes in the following information:
(a) the ownership of the *Site;*
(b) appointment of, or a change in, the *Operator* of the *Site;*
(c) the name or address of the *Owner;*
(d) the partners, where the *Owner* is or at any time becomes a partnership and a copy of the most recent declaration filed under the *Business Names Act,* R. S. O. 1990, c. B.17, shall be included in the notification.
6.2 No portion of this *Site* shall be transferred or encumbered prior to or after closing of the *Site* unless the *Director* is notified in advance and sufficient financial assurance is deposited with the *Ministry* to ensure that these conditions will be carried out.
6.3 In the event of any change in ownership of the *Site,* other than change to a successor municipality, the *Owner* shall notify the successor of and provide the successor with a copy of this *Approval,* and the *Owner* shall provide a copy of the notification to the *District Manager* and the *Director.*

7.0 Financial Assurance

7.1 (a) The *Owner* shall maintain Financial Assurance, as defined in Section 131 of the *EPA,* in the amount of **$773,019.92** . This Financial Assurance shall be in a form acceptable to the *Director* and shall provide sufficient funds for the analysis, transportation, *Site* clean-up, monitoring and disposal of all quantities of waste on the *Site* at any one time.
(b) Commencing on **March 31, 2026** and at intervals of four (4) years thereafter, the *Owner* shall submit to the *Director,* a re-evaluation of the amount of financial assurance to implement the actions required under Condition 7.1(a). The re-evaluation shall include an assessment based on any new information relating to the environmental conditions of the *Site* and shall include the costs of additional monitoring and/or implementation of contingency plans required by the *Director* upon review of the

closure plan and annual reports. The financial assurance must be submitted to the *Director* within twenty (20) days of written acceptance of the re-evaluation by the *Director.*

(c) Commencing on **March 31, 2023** , the *Owner* shall prepare an updated re-evaluation of the amount of Financial Assurance required to implement the actions required under Condition 7.1(a) for each of the intervening years in which a re-evaluation is not required to be submitted to the *Director* under Condition 7.1(b). The re-evaluation shall be included in the annual report required by Condition 27.

(d) The amount of Financial Assurance is subject to review at any time by the *Director* and may be amended at his/her discretion.

(e) If any Financial Assurance is scheduled to expire or notice is received, indicating Financial Assurance will not be renewed, and satisfactory methods have not been made to replace the financial assurance at least sixty (60) days before the financial assurance terminates, the financial assurance shall forthwith be replaced by cash.

8.0 Inspections

8.1 No person shall hinder or obstruct a *Provincial Officer* from carrying out any and all inspections authorized by the *OWRA,* the *EPA,* or the *PA,* of any place to which this *Approval* relates, and without limiting the foregoing:

(a) to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this *Approval* are kept;

(b) to have access to, inspect, and copy any records required to be kept by the conditions of this *Approval;*

(c) to inspect the *Site,* related equipment and appurtenances;

(d) to inspect the practices, procedures, or operations required by the conditions of this *Approval;* and

(e) to sample and monitor for the purposes of assessing compliance with the terms and conditions of this *Approval* or the *EPA,* the *OWRA* or the *PA.*

9.0 Information and Record Retention

9.1 Any information requested, by the *Ministry,* concerning the *Site* and its operation under this *Approval,* including but not limited to any records required to be kept by this *Approval* shall be provided to the *Ministry,* upon request **,** in a timely manner **.**

9.2 The receipt of any information by the *Ministry* or the failure of the *Ministry* to prosecute any person or to require any person to take any action, under this *Approval* or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:

(a) an approval, waiver, or justification by the *Ministry* of any act or omission of any person that contravenes any term or condition of this *Approval* or any statute, regulation or other legal requirement; or

(b) acceptance by the *Ministry* of the information's completeness or accuracy.

9.3 Any information relating to this *Approval* and contained in *Ministry* files may be made available to the public in accordance with the provisions of the *Freedom of Information and Protection of Privacy Act,* R.S.O. 1990, C. F-31.

9.4 All records and monitoring data required by the conditions of this *Approval* must be

kept on the Owner's premises for a minimum period of five (5) years from the date of their creation.

10.0 Approved Waste Types and Processes

10.1 (a) The *Owner* shall ensure that only the following types of waste generated from within the Province of Ontario are accepted at the *Site:*

(i) sewage biosolids;
(ii) pulp and paper biosolids;
(iii) untreated septage;
(iv) processed organic waste;
(v) liquid waste from food processing and preparation operations, and
(vi) liquid industrial waste, restricted to leachate generated from compost facilities only.

(b) The *Site* is prohibited from receiving:

(i) solid waste other than those specifically approved in Condition 10.1(a) and;
(ii) liquid industrial waste as defined by *Reg. 347* , with the exception of leachate generated from compost facilities as permitted in condition 10.1(a)(vi) above, and;
(iii) listed waste as defined by *Reg. 347.*

10.2 (a) Upon arrival at the *Site,* the *Owner* shall ensure that incoming waste is inspected by a *competent* person to confirm the source of the waste and that the waste is received from a *Ministry* approved waste hauler and verify that the waste is of a type that the *Site* is approved to receive;
(b) If any incoming waste load is known to, or is discovered to, contain unacceptable waste, that load shall not be accepted at the *Site;* and
(c) If any unacceptable waste is discovered on *Site,* that waste shall be removed from the *Site* within 48 hours and be disposed of in accordance with *Reg. 347.*
10.3 (a) The *Site* is approved for the receipt, processing and temporary storage of waste; and
(b) Processing shall be limited to the proprietary technology utilizing high shear mechanical mixing with alkali and temperature adjustments as described in Section 5.3 of Item 2, Schedule "A".

11.0 Feedstock Quality Control

11.1 The *Owner* shall pre-qualify all incoming waste, except for *untreated septage,* by requiring waste generators to submit a certificate of analysis from an accredited laboratory demonstrating that the waste to be received contains less than the maximum

allowable metal concentrations listed in Schedule "B". Alternatively, the *Owner* may undertake testing to pre-qualify waste on the waste generators behalf. Any sources of waste that exceed the criteria listed in Schedule "B" shall not be accepted.
11.2 The *Owner* shall conduct random tests on a weekly basis, as a minimum, of incoming waste to verify that incoming waste contains less than the maximum allowable metal concentrations listed in Schedule "B". All sources of incoming waste shall be tested at least once on an annual basis.
11.3 If any incoming waste is found to exceed the maximum allowable metal concentrations listed in Schedule "B", the *Owner* shall:
(a) re-test the incoming waste within 48 hours and, if it again fails to meet the maximum allowable metal concentrations listed in Schedule "B", reject the incoming waste from use in the process and dispose of it in accordance with *Reg. 347;* and
(b) test the next three consecutive shipments of incoming waste from that source; and
(c) if two out of three sampling events of the next three consecutive shipments of incoming waste fail to meet the maximum allowable metal concentrations listed in Schedule "B", the *Owner* shall discontinue to accept waste from that source; and
(d) in order to re-instate a waste generator, the waste generator shall re-submit to the *Owner* a certificate of analysis from an accredited laboratory demonstrating that their waste meets the maximum allowable metal concentrations listed in Schedule "B" and the *Owner* shall sample the first three consecutive loads for verification. If any samples of the incoming waste fail to meet the maximum allowable metal concentrations listed in Schedule B, the *Owner* shall reject the incoming waste from use in the process and dispose of it in accordance with *Reg. 347* and permanently discontinue accepting waste from that source.

12.0 Approved Quantity

12.1 The *Owner* shall ensure that the following maximum quantities of waste received on *Site* are adhered to:
(a) the combined total of dewatered *sewage biosolids,* dewatered *pulp and paper biosolids,* and dewatered *processed organic waste* received at the *Site* does not exceed 600 tonnes per day;
(b) the combined total of *untreated septage, liquid waste from food processing and preparation operations* and *sewage biosolids, pulp and paper biosolids, processed organic waste,* and/or liquid industrial waste does not exceed 300 tonnes per day; and
(c) the amount of *residual waste* transferred from the *Site* for final disposal does not exceed 200 tonnes per day.
12.2 The *Owner* shall ensure that the following maximum quantities of waste stored at the *Site* are adhered to:
(a) the total amount of waste stored within the processing building does not exceed **1000 tonnes** at any time;
(b) the total amount of waste stored in the feedstock holding tanks does not exceed **225 tonnes** and the feedstock storage lagoon does not exceed **2,400 cubic metres** at any time; and
(c) the amount of *treated waste* does not exceed **90,000 cubic metres** at any time.

12.3 In the event that *treated waste* cannot be removed from the *Site* and the total storage capacity as approved in Condition 12.2(c) is reached, the *Owner* shall cease accepting additional waste to ensure the total approved storage capacity of the *Site* does not exceed the maximum amount approved by this *Approval* and shall notify the *District Manager* that the maximum approved storage capacity has been reached and that incoming shipments have been discontinued.

13.0 Waste Storage

13.1 The *Owner* shall ensure that:

(a) all waste that meets Schedule 9 of *Reg. 347* (Slump Test) shall be received and stored within the confines of the processing building shown in Figure 4.1, Item 2 of Schedule "A", at all times;

(b) all waste that does not meet Schedule 9 of *Reg. 347* (Slump Test) shall be received and stored in the designated in-ground storage tanks shown in Figure 4.1, Item 2 of Schedule "A";

(c) all *treated waste* shall be stored in the designated storage lagoons shown in Figure 2.2, Item 2 of Schedule "A".

13.2 The *Owner* is prohibited from storing waste or *treated waste* in other locations of the *Site* not approved by Condition 13.1.

14.0 Treated Waste Quality Control

14.1 The *Owner* shall monitor the quality of *treated waste* as follows:

(a) weekly testing of pathogens from *treated waste* sampled at the reactors;

(b) monthly testing of metals from *treated waste* sampled at the reactors;

(c) monthly testing of the storage lagoon contents; and

(d) immediate testing of the contents of the storage lagoons in the event that the process reactor analytical results exceed the maximum allowable concentrations listed in Schedule "B".

14.2 The *Owner* shall ensure that *treated waste* tested in accordance with Condition 14.1:

(a) does not exceed the maximum allowable metal concentrations listed in Schedule "B"; and

(b) contains less than 1000 MPN / gram faecal coliform and less than 1 CFU / 25 gram salmonella.

14.3 *Treated waste* that:

(a) meets the requirements of Condition 14.2 (a) and (b); and

(b) has been sold as determined by a bill of sale;

is no longer subject to approval under Part V of the *EPA.*

14.4 *Treated waste* that exceeds the requirements of Condition 14.2 (b) may be returned to the process reactors for re-processing. Alternatively, it may be disposed of in accordance with *Ontario Regulation 267/03* or *Reg. 347.*

14.5 *Treated waste* that exceeds the requirements of Condition 14.2 (a) shall be disposed of in accordance with *Reg. 347.*

15.0 Hours of Operation

15.1 The *Site* is approved to operate seven (7) days per week, 24 hours per day.

15.2 Notwithstanding Condition 14.1, the *Owner* shall ensure that shipping and receiving are limited to:
(a) Monday through Friday from 6:00 a.m. to 6:00 p.m.; and
(b) Saturday from 7:00 a.m. to 4:00 p.m.

16.0 Signage and Security

16.1 The *Owner* shall ensure that the *Site* is maintained in a secure manner, such that unauthorized vehicles cannot enter the *Site.*
16.2 The *Owner* shall limit access to and from the *Site* to the approved hours of operation and when the *Site* is supervised by a *competent* person.
16.3 The *Owner* shall ensure that a sign, readable from the nearest public road, is posted at the entrance to this *Site* stating:
(a) the name of the *Site;*
(b) the *Owner's* name;
(c) and a 24 hour telephone number that can be used to contact the *Owner* in the event of an emergency or complaint.

17.0 Nuisance Control

17.1 The *Owner* shall ensure that the *Site* is operated and maintained such that the vermin, vectors, dust, litter, odour, noise and traffic do not create a nuisance, including but not limited to the following:
(a) all areas of the *Site* subjected to truck traffic shall be paved and dust on paved areas shall be removed as necessary;
(b) the *Site* shall be monitored daily for litter;
(c) the outdoor loading/unloading area shall be inspected and cleaned on a daily basis;
(d) the receiving area and processing area within the processing building shall be cleaned on a regular basis; and
(e) overhead doors to the tipping area shall remain closed except to admit incoming and outgoing vehicles.
17.2 With respect to shipment of waste to the *Site* and transfers from the *Site,* the *Owner* shall ensure that:
(a) there is no queuing or parking of vehicles that are waiting to enter this *Site* on any roadway that is not a distinct part of this *Site;*
(b) the exterior of all vehicles shall be free of debris and that vehicles do not deposit waste, dirt or other contaminants, including wash water from the interior cleaning of transfer vehicles, onto public roadways upon leaving the *Site;*
(c) the queuing of trucks shall be minimized and priority shall be given to vehicles emitting fugitive odours;
(d) waste shall be received at the Site in vehicles with appropriate Waste Management System Approvals (ECA) for the waste;
(e) material transferred from the Site in vehicles shall be in vehicles with appropriate approvals for the material; and
(f) alternate truck routes to the *Site,* rather than Main Street through Dundalk, are used as road conditions allow.

18.0 Site Inspections and Maintenance

18.1 The *Owner* shall ensure that this *Site* has a written comprehensive inspection program which includes all aspects of this *Site's* operations. At a minimum, the following areas are to be inspected daily by a *competent* person for cleanliness, security and any deterioration or discharges:
(a) loading / unloading areas:
(b) processing areas;
(c) storage tanks;
(d) lagoon liners; and
(e) security fence and property line.
18.2 The *Owner* shall ensure that the groundwater levels beneath the storage lagoons are monitored, at a minimum, on a weekly basis. During conditions of high groundwater and low storage lagoon contents, the *Owner* shall take action to prevent hydraulic uplift of the storage lagoon liner.
18.3 The *Owner* shall develop and implement a preventative maintenance program for all on *Site* equipment associated with the processing and managing of waste. The preventative maintenance program shall be maintained on *Site* and shall be available for inspection by a *Provincial Officer* upon request.

19.0 Spill Containment

19.1 The *Owner* shall ensure that all in-ground storage tanks are:
(a) equipped with high level alarms; and
(b) are either equipped with level measuring equipment or manually dipped for tank levels on a daily basis.
19.2 The *Owner* shall ensure that all reagent tanks are equipped with high level alarms and interstitial monitoring.
19.3 The *Owner* shall ensure that adequate spill containment is provided in the following areas:
(a) outdoor loading and unloading areas;
(b) indoor unloading area;
(c) reagent tank area; and
(d) processing area.

20.0 Emergency Response and Reporting

20.1 The *Owner* shall promptly take all necessary steps to contain and clean up any spills or upsets which result from this operation.
20.2 All spills, as defined by the *EPA,* shall be immediately reported to the *Ministry's* Spill Action Centre at 1-800-268-6060 and shall be recorded in a written log or an electronic file format, as to the nature of the spill or upset, and action taken for clean-up, correction and prevention of future occurrences.
20.3 (a) The *Owner* shall have in place a written emergency response plan. The plan shall include, but not be limited to, the following;

(i) as-built drawings which accurately reflect the final *Site* plan

layout and clearly indicates all storage areas;
(ii) emergency response procedures to be undertaken in the event of a spill or process upset;
(iii) a list of equipment and spill clean up materials, including names and telephone numbers of companies available for emergency response; and
(iv) a notification protocol, with names and telephone numbers of persons to be contacted, including *Owner* personnel, the *Ministry's* Spills Action Centre and District Office, the local fire and police departments, the local municipality and the Ministry of Labour;

(b) A copy of the emergency response plan shall be kept on the *Site* at all times, in a prominent location accessible to all staff;
(c) The *Owner* shall ensure that the equipment and materials outlined in the emergency response plan are immediately available on the *Site* at all times, are kept in a good state of repair, and are fully operational;
(d) The *Owner* shall ensure that all employees are fully trained in emergency response procedures and in the use of the equipment and related materials to be employed in the event of an emergency;
(e) The *Owner* shall review and update the emergency response plan when *Site* conditions change or on an annual basis. Specifically, the *Owner* shall ensure that the names and telephone numbers of the persons to be contacted as required under Condition 20.3(a)(iv) are up-to-date.

21.0 Contingency Planning

21.1 The *Owner* shall have in place a written contingency plan which specifies, as a minimum, the procedures to be followed in the event of a labour disruption, transportation disruption, interruption in utility services, flooding, inability of receiving sites to accept waste or other business disruption to the operation.
21.2 The *Owner* shall develop a mitigative measures plan to be used in the event of non-compliance with the Reasonable Use Guidelines (Guideline B-7) at the property boundary. The mitigative measures plan shall list possible mitigative measures, discuss the feasibility of implementation and provide an analysis on the effectiveness of containment of each measure. The plan shall be reviewed and revised, on a biannual basis at a minimum, in response to additional information received from the groundwater monitoring program required by Condition 25.1. The plan shall be available for review by a *Provincial Officer* on request.

22.0 Training

22.1 (a) The *Owner* shall ensure that *Site* personnel are trained, and receive annual refresher training, on the operation and management of the *Site,* or area(s) within the *Site,* in accordance with the specific job requirements of each individual, including but

not limited to:

(i) an outline of the responsibilities of the *Site* personnel;
(ii) personnel training protocols;
(iii) any environmental concerns pertaining to the wastes accepted at the *Site;*
(iv) occupational health and safety concerns pertaining to the wastes received;
(v) proper receiving and recording procedures (including recording procedures of wastes which are refused at the *Site);*
(vi) proper storage, handling, sorting and shipping procedures;
(vii) operation of equipment and procedures to be followed in the event of a process upset or an emergency situation,
(viii) record keeping procedures;
(ix) inspection procedures; and
(x) procedures for recording and responding to public complaints.

(b) the *Owner* shall ensure that *Site* personnel who oversee operations at the *Site* are trained, and receive annual refresher training in:

(i) relevant waste management legislation, including but not limited to *Reg. 347;*
(ii) terms, conditions and operating requirements of this *Approval.*

23.0 Complaints

23.1 If at any time the *Owner* receives complaints regarding the operation of the *Site,* the *Owner* shall respond to these complaints according to the following procedure:
(a) The *Owner* shall record each complaint on a formal complaint form. The information recorded shall include:

(i) the nature of the complaint;
(ii) the name, address and telephone number of the complainant;
(iii) weather conditions and wind direction;
(iv) what operations were occurring at the time of the complaint; and
(v) the time and date of the compliant.

(b) The *Owner,* upon notification of the complaint shall initiate appropriate steps to determine all possible causes of the complaint and proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the complainant; and
(c) The *Owner* shall verbally notify the District Office within two (2) business days of the complaint date, listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the reoccurrence of similar incidents.

24.0 Record Keeping

24.1 The *Owner* shall maintain a written record of the daily *Site* operations. The information record shall include the following as a minimum:
(a) date of record;
(b) types, quantities and source of waste received during the day of record;
(c) in the event that a load of waste is rejected during the day of record:

(i) the type of waste refused; and
(ii) the reason the waste was refused; and
(iii) the origin of the waste.

(d) quantities and destination of *low analysis farm fertilizer, NASM,* waste and/or residual materials transferred from the *Site* during the day of record;
(e) a calculation of the total quantities of waste and *treated waste* stored on *Site* during the day of record;
(f) a description of out-of-service durations of any control, treatment, disposal or monitoring processes experienced during the day of record, and
(g) any spills or operational upsets experienced during the day of record.

24.2 The *Owner* shall maintain written records of the results of the quality control testing required by Conditions 11.0 and 14.0. The records shall include:
(a) date, time, and location from which samples were collected; and
(b) sample volume collected and handling procedures; and
(c) analysis completed on each sample and name of facility conducting the analytical work; and
(d) analytical results for each sample; and
(e) conclusions drawn with respect to the results of the quality control testing.

24.3 The *Owner* shall maintain a written record of the inspections undertaken in accordance with Conditions 18.1 and 18.2. The record shall include:
(a) the name and signature of person that conducted the inspection;
(b) the date and time of the inspection;
(c) a list or a description of what was inspected;
(d) a list of any deficiencies noted;
(e) recommendations for remedial action to correct the deficiencies noted; and

(f) the date, time and description of actions taken to correct deficiencies.
24.4 The *Owner* shall maintain a written record of preventative maintenance undertaken in accordance with Condition 18.3. The record shall include:
(a) the name and signature of the person that conducted the maintenance:
(b) the equipment or part of the equipment on which maintenance was performed; and
(c) the type of maintenance performed.

25.0 Monitoring

25.1 A groundwater monitoring program shall be implemented and carried out by the *Owner* in accordance with Schedule "C".
25.2 During each monitoring event, the monitoring network shall be visually inspected. Changes in the physical condition of each well will be noted and necessary repairs undertaken. Monitoring wells that are shown to be damaged beyond repair, or whose integrity is in doubt, will be decommissioned in accordance with current regulations and standard procedures and replaced, if necessary.
25.3 The *Owner* shall notify the *District Manager* if any of the analytes meet or exceed the Tier 2 trigger levels as described in Section 10.3, Item 2 of Schedule "A".
25.4 (a) The *Owner* may request and obtain written consensus of the *District Manager,* for any proposed changes to the monitoring program, prior to these changes taking effect; and
(b) The *Owner* shall make an application requesting amendment of this *Approval* to reflect the *District Manager* approved changes to the monitoring program.

26.0 Public Advisory Committee

26.1 Upon issuance of this *Approval,* the *Owner* shall continue to maintain a public advisory committee for this *Site.*
26.2 The role of the public advisory committee shall include but not be limited to:
(a) monitoring and recommending improvements regarding *Site* operations;
(b) recommending improvements regarding existing monitoring programs, waste haul routes, traffic safety and contingency measures;
(c) providing a forum for dissemination, review and exchange of information and for members of the public to ask questions and raise concerns; and
(d) consider complaints on request of a complainant.
26.3 (a) The *Owner* shall, in consultation with the public advisory committee, agree to a terms of reference for the committee which includes, but is not limited to, a description of how the public advisory committee shall carry out its duties and a dispute resolution strategy to resolve issues or disagreements between the public advisory committee and the *Owner.*
(b) The *Owner* shall provide a copy of the terms of reference to the *Director* and *District Manager* for placement on the public record.
(c) The *Owner,* in consultation with the public advisory committee, or at the request of the majority of the public advisory committee, may amend the terms of reference from time to time. The amended terms of reference shall be forwarded to the *Director* and *District Manager* for placement on the public record.
26.4 The *Owner* shall provide the following, as a minimum, to the public advisory

committee for review and recommendations:
(a) the annual report required by Condition 27.1;
(b) any proposed changes to the Environmental Compliance Approval for the *Site;* and
(c) any complaints received and complaint resolution actions taken.
26.5 The *Owner* shall provide members of the public sufficient notice of, and the opportunity to attend, the public advisory committee meetings and shall ensure that minutes of the meetings shall be made available to the public and the *Ministry* in a timely fashion .
26.6 After the first full year of operation, and on an annual basis thereafter, the *Owner* shall review, in consultation with the members of the public advisory committee, the need for the committee. The *Owner,* upon written consent of the *District Manager,* may dispense with the public advisory committee if, after a period of time and after giving sufficient notice, there is no interest from the public in continuing with it.
26.7 The *Owner* shall not construe any recommendations provided by the public advisory committee as supervisory or regulatory to the operation of the *Site* or as an approval of operations of the *Site.*

27.0 Annual Report

27.1 By March 31st of each year, the *Owner* shall prepare and submit to the *District Manager* an annual report for *Site* operations conducted the previous calendar year. The report shall include, as a minimum, the following information:
(a) a monthly summary of the waste received at the *Site,* including the quantity and the source;
(b) a monthly summary of any rejected waste and/or *residual waste* transferred from the *Site,* including the quantity and the destination;
(c) a monthly summary of the amount of waste processed;
(d) a monthly summary of the quantity of *low analysis farm fertilizer* transferred from the *Site;*
(e) a monthly summary of the quantity of *NASM* transferred from the *Site;*
(f) monthly and annual mass balances of incoming waste versus outgoing waste and *low analysis farm fertilizer;*
(g) a monthly summary of the analytical results obtained;
(h) a plan of the *Site* depicting monitoring locations;
(i) a table(s) reporting on groundwater level monitoring beneath the lagoon liners and the amount of groundwater pumped out;
(j) a table(s) outlining monitoring locations sampled, analytical parameters sampled, and sampling results;
(k) an assessment of groundwater quality in relation to the *Ministry's* Reasonable Use Guidelines (Guideline B-7);
(l) conclusions of the monitoring data, a review of the adequacy of monitoring programs, recommendations for any changes to monitoring programs that may be necessary;
(m) a summary of any environmental and/or operational problems that could negatively impact human health or the environment encountered during the operation of the *Site*

and remedial measure undertaken and mitigating measure enacted to prevent reoccurrence;
(n) a summary of any Public Advisory Committee engagement or any Aboriginal community engagement undertaken;
(o) a summary statement as to compliance with all Conditions of this *Approval;*
(p) re-evaluation of financial assurance as required by Condition 7.1 (c).

28.0 Closure Plan

28.1 (a) Four (4) months prior to the permanent closure of the *Site,* the *Owner* shall submit to the *District Manager* written notification of the decision to cease activities accompanied by a closure plan. The closure plan shall include, at a minimum, a list of activities necessary for the safe and secure closure of the *Site* and a schedule for execution of the activities; and
(b) Within ten (10) days of completion of all activities of the closure plan submitted in accordance with Condition 28.1(a), the *Owner* shall notify the *Director* and *District Manager,* in writing, that the *Site* is closed and that the closure plan has been fully implemented.

Schedule "A"

This Schedule A forms part of Environmental Compliance Approval No. 8850-8V6S7Z.

1. Application for a Certificate of Approval for a Waste Disposal Site dated August 8, 2011, signed by Frederick A. Mosher.
2. Design and Operations Report, Revision 1, prepared for Lystek International Inc., dated August 2012 inclusive of figures, tables and appendices O, P, R, S, T, V, X, and Y.
3. Letter report dated March 31, 2014 and supporting documentation addressed to Director, Environmental Approvals Access and Service Integration Branch from Mr. Tej Gidda, Conestoga_Rovers & Associates requesting approval for increase capacity for feedstock, storage location, amendments to process tanks and hours of operation.
4. Letter dated September 5, 2014 addressed to Mr. Frederick Mosher, Lystek International Inc. from Mr. Dale Gable, Ministry of the Environment requesting detailed design drawings and summary report on First Nations Consultation.
5. Letter dated September 22, 2014 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Tej Gidda, Conestoga-Rovers and Associates providing detailed drawings and letters to First Nations.
6. Letter dated October 3, 2014 addressed to Mr. Frederick Mosher, Lystek International Inc. from Mr. Dale Gable, Ministry of the Environment requesting clarification on the detailed design drawings.
7. Letter dated October 14, 2014 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Tej Gidda, Conestoga-Rovers and Associates providing a response to detailed design clarification comments.
8. Environmental Compliance Approval Application dated August 22, 2018, signed by Rick Mosher, Chief Technology Officer, Lystek International Inc. and prepared by GHD Limited, including all attached supporting information.
9. E-mail dated February 28, 2019 to David Lee, P. Eng., Senior Review Engineer,

Environmental Assessment and Permissions Branch, Ministry of the Environment, Conservation and Parks from Dana-Jill Stroeder, P. Eng., GHD.
10. Financial Assurance re-evaluation dated March 31, 2021, and prepared by Simon Meulendyk, Southgate OMRC Plant Manager, Lystek International Corp.

Schedule "B"

This Schedule B forms part of Environmental Compliance Approval No. 8850-8V6S7Z.

Incoming Feedstock Quality Requirements

Regulated Metals	Maximum Allowable Metal Concentration (mg/kg dry weight)
Arsenic	170
Cadmium	34
Cobalt	340
Chromium	2800
Copper	1700
Mercury	11
Molybdenum	94
Nickel	420
Lead	1100
Selenium	34
Zinc	4200

Schedule "C"

This Schedule C forms part of Environmental Compliance Approval No. 8850-8V6S7Z.

Groundwater Monitoring Program

Sampling Location	Frequency	Parameters
MW1, MW3, MW4, PMW5, PMW6, PMW7, PMW8 and PMW9	Quarterly	water levels
MW1, MW3, MW4, PMW5, PMW6, PMW7, PMW8 and PMW9	High flow (April, May or November) and Low flow (July, August, December or January)	pH, alkalinity, chloride, electrical conductivity, phosphorous, ammonia-N, nitrate, nitrite, total kjehldahl nitrogen, potassium, copper and zinc.

The reasons for the imposition of these terms and conditions are as follows:

The reason for Conditions 1.1, 1.2, 4.1, 4.2, 5.1, 5.2, 9.2 and 20.1 is to clarify the legal rights and responsibilities of the Owner under this Approval.
The reasons for Conditions 2.1, 2.2, 2.3, 2.4 and 27.1 is to ensure that the Site is designed, operated, monitored and maintained in accordance with the application and

supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider.
The reason for Conditions 3.1, 3.2, 3.3 and 3.4 is to clarify how to interpret this Approval in relation to the application and supporting documentation submitted by the Owner.
The reason for Condition 6.1 to ensure that the Site is operated under the corporate name which appears on the application form submitted for this Approval.
The reason for Condition 6.2 to restrict potential transfer or encumbrance of the Site without the approval of the Director. Any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.
The reason for Condition 6.3 is to ensure that subsequent owners of the Site are informed of the terms and conditions of this Approval. This also applies to all supporting documentation listed in Schedule "A".
The reason for Condition 7.1 is to ensure that sufficient funds are available to the Ministry to clean up the Site in the event that the Owner is unable or unwilling to do so.
The reason for Condition 8.1 is to ensure that appropriate Ministry staff have ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this Approval. This condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the EPA and OWRA.
The reason for Condition 9.1, 9.3 and 9.4 is to ensure the availability of records and drawings for inspection and information purposes.
The reason for Condition 10.1 is to specify the approved areas from which waste may be accepted and the types of waste that may be accepted for processing at the Site.
The reason for Condition 10.2 and 10.3 is to ensure that only waste approved under this Approval are received at the Site.
The reason for Condition 10.4 is to specify the waste management activities approved at this Site based on the Owner's application and supporting documentation.
The reason for Conditions 11.1, 11.2 and 11.3 is to ensure that the waste accepted at the Site is of an acceptable quality. Condition 11.2 includes random testing of untreated septage.
The reason for Condition 12.1 is to ensure that the quantities of waste received at the Site are in accordance with that approved under this Approval.
The reason for Condition 12.2 and 12.3 is to ensure that the amount of waste present on Site does not exceed the storage capacity of the Site based on the Owner's application and supporting documentation.
Conditions 13.1, 13.2, 18.2, 19.1, 19.2 and 19.3 are included to ensure that waste storage is done in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.
The reason for Conditions 14.1, 14.2 and 14.3 is to ensure that treated waste transferred from the Site is managed according to its quality and in a manner which does not result in a nuisance or hazard to the health and safety of people or the environment.
The reason for Conditions 15.1 and 15.2 is to specify the hours of operation for the Site

based on the Owner's application and supporting documentation.
The reason for Conditions 16.1 and 16.2 is to minimize the risk of unauthorized entry and to ensure the Site is only operated in the presence of trained personnel and to ensure proper management of waste.
The reason for Condition 16.3 is to ensure that emergency responders and the public have the necessary contact information in the event of an emergency or complaint.
The reason for Condition 17.1 is to ensure that the Site is operated in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.
The reason for Condition 17.2 is to ensure that waste is transported to and from the Site in a manner which minimizes the negative impacts of transport vehicles on the community. The Owner has committed to utilizing alternate routes as much as possible, however certain conditions such as spring load restrictions or road closures due to construction or adverse weather conditions may not permit the use of alternate trucking routes.
The reason for Conditions 18.1 and 18.3 is to ensure that all equipment and facilities are maintained in good working order.
The reason for Condition 20.2 is to ensure that the Owner notifies the Ministry forthwith of any spills as required in Part X of the EPA so that appropriate spills response can be determined.
The reason for Condition 20.3 is to ensure that the Owner is prepared and properly equipment to take action in the event of a spill, fire or other operation upset.
The reason for Conditions 21.1 and 21.2 is to ensure that the Owner follows a plan with an organized set of procedures for identifying and responding to unexpected but possible problems at the Site.
The reason for Condition 22.1 is to ensure that the Owner's staff is properly trained in the operation of the equipment used at the Site and in emergency response procedures.
The reason for Condition 23.1 is to ensure that complaints are properly and quickly resolved and that complaints and follow-up actions have been documented.
The reason for Conditions 24.1, 24.2, 24.3 and 24.4 is to ensure that accurate records are maintained to ensure compliance with the conditions in this Approval.
The reason for Conditions 25.1, 25.2 and 25.3 is to demonstrate that the storage lagoon is performing as designed and the impacts on the natural environment are acceptable. Regular monitoring allows for the analysis of trends over time and ensures that there is an early warning of potential problems so that any necessary remedial/contingency action can be taken.
The reason for Condition 25.4 is to outline a mechanism by which changes may be made to the monitoring program in response to field conditions.
The reason for Conditions 26.1, 26.2, 26.3, 26.4, 26.5, 26.6 and 26.7 is to establish a forum for the exchange of information and public dialogue on activities carried out at the Site. Open communication with the public is important in helping to maintain high standards for Site operation and environmental protection.

The reason for Condition 28.1 is to ensure that the Site is closed in accordance with Ministry standards and to protect the health and safety of the environment.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 8850-8V6S7Z issued on October 5, 2012 and all amending notices.

In accordance with Section 139 of the *Environmental Protection Act,* you may by written notice served upon me and the Ontario Land Tribunal within 15 days after receipt of this notice, require a hearing by the Tribunal. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Notice") shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;

b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the *Environmental Protection Act,* a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

Registrar*
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

and

The Director appointed for the purposes of Part II.1 of the *Environmental Protection Act*
Ministry of the Environment, Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or** www.oltt.gov.on.ca

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental Protection Act.*

DATED AT TORONTO this 8th day of March, 2022

[redacted]

Mohsen Keyvani, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

DL/
c: District Manager, MECP Owen Sound
Simon Meulendyk B.E.S., P.Ag., Lystek International Corp.

Content Copy Of Original

Ontario

Ministry of the Environment
Ministère de l'Environnement

ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 1401-8P4M7S
Issue Date: October 5, 2012

Lystek International Inc.
1425 Bishop St, No. Unit 16
Cambridge, Ontario
N1R 6J9

Site Location: 191 Eco Park Way
Parts 1 & 2, Ref. Plan 16R-10075
Part-Lot 235 & 236, Concession 2 SWTSR
Township of Southgate, County of Grey

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the establishment of stormwater management *Works*to serve the Organic Materials Recovery Centre located at 191 Eco Parkway in the Township of Southgate, to provide Enhanced water quality protection and to attenuate post-development peak flows to pre-development levels, discharging to a subsurface infiltration gallery and an existing ditch on Eco Park Way, for all storm events up to and including the 100 year return storm, consisting of the following:

Stormwater Management System
a stormwater management system, for the collection, treatment and disposal of stormwater run-off from a catchment area of 4.0 hectares, relying on vegetated swales, an extended detention wet pond and infiltration gallery consisting of the following:

Vegetated Swales
approximately 850 m long, vegetated triangular ditch and swale system having a top width varying from approximately 1.6 m to 6.0 m, discharging to a wet pond identified below;

Wet Pond
an extended detention wet pond having a permanent pool storage volume of 1,730 m 3 , an extended detention storage volume of 245 m 3 , a total active storage volume of 1,096 m 3 during the 100-year storm event and a total active storage volume of 3,777 m 3 , consisting of the following:

an overland inlet to the forebay consisting of a swale identified above;

a 3.6 m wide maintenance access road;

a 27.0 m long forebay with a permanent pool of 1.9 m depth complete with a forebay berm having a 1.0 m (clear stone filter) crest width set at an elevation of 510.00 m;

a wet cell with a permanent pool of 1.9 m depth, complete with an outlet control structure identified below:

- a 6.0 m long, 200 mm diameter perforated pipe surrounded with a clear stone jacket on non-woven geotextile liner, connected to a 200 mm diameter pipe complete with a 200 mm diameter gate valve, discharging to an outlet control structure identified below;

- a 1800 mm diameter outlet control structure (maintenance hole MH1) complete with a 150 mm diameter outlet pipe to an infiltration gallery identified below, set at an elevation of 509.90 m and a fabricated riser-outlet tee controlled by a 90 mm diameter horizontal orifice plate, set at an elevation of 510.00 m, allowing for a maximum discharge rate of 0.003 m 3 /s to provide quality control by detaining the 25 mm storm event over duration of 29.7 hours and to provide quantity control for the 2 to 100 year storm events, allowing for a maximum discharge rate of 0.011 m 3 /s during the 100 year storm event, discharging via a 300 mm diameter outlet pipe and a rip-rap pad to an existing ditch along Eco Parkway and then into a wetland that drains to Foley Drain that ultimately drains to Grand River;

- a trapezoidal emergency spillway to provide outlet for storms exceeding the 100 year event, consisting of a 6.0 m wide concrete wall with top elevation of 511.00 m, complete with a high flow weir notch at 3.0 m wide set at an elevation of 510.70 m and a low flow weir notch at 0.20 m wide set at an elevation of 510.60 m, discharging via an overflow swale to an existing ditch along Eco Parkway and then into a wetland that drains to Foley Drain that ultimately drains to Grand River

Infiltration Gallery
a 60 m long, 4.0 m wide and 1.0 m deep subsurface infiltration gallery, set between an elevation of 509.00 and 510.00 m, complete with a 20 mm to 30 mm clearstone wrapped all sides with non-woven geotextile and a 60 m long, 150 mm diameter perforated distribution pipe and four (4)100 mm diameter inspection wells;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned *Works* ;

all in accordance with supporting documents listed in **Schedule 'A'** .

For the purpose of this environmental compliance approval, the following definitions apply:

"Approval" means this entire document and any schedules attached to it, and the application;

"Director" means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA;*

"District Manager" means the District Manager of the local district office of the *Ministry* in which the Site is geographically located;

"EPA" means the Environmental Protection Act , R.S.O. 1990, c.E.19, as amended;

"Ministry" means the ministry of the government of Ontario responsible for the *EPA* and *OWRA* and includes all officials, employees or other persons acting on its behalf;

"Owner" means Lystek International Inc. and its successors and assignees;

"OWRA" means the Ontario Water Resources Act , R.S.O. 1990, c. O.40, as amended;

" *Source Protection Plan"* means a drinking water source protection plan prepared under the Clean Water Act, 2006; and

"Works" means the sewage works described in the *Owner* 's application, and this *Approval.*

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1.1 The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval* , and the application for approval of the W *orks.*

1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The issuance of and compliance with the Conditions of this *Approval* does not:

(a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage *Works* ; or

(b) limit in any way the authority of the *Ministry* to require certain steps be taken to require the *Owner* to furnish any further information related to compliance with this *Approval* .

2. EXPIRY OF APPROVAL

This *Approval* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Approval.*

3. CHANGE OF OWNER

The *Owner* shall notify the *District Manager* and the *Director,* in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of *Owner;*

(b) change of address of the *Owner;*

(c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act , R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager;* and

(d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act , R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager.*

4. EFFLUENT STORMWATER MONITORING AND RECORDING

The *Owner* shall, upon issuance of the *Approval* , carry out the following effluent stormwater monitoring program:

4.1 All samples and measurements taken for the purposes of this *Approval* are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stormwater stream over the time period being monitored.

4.2 The *Owner* shall ensure that samples collected of an event at the following sampling locations, are collected when effluent stormwater is being discharged from the existing outlet structures, by means of the specified sample type and analyzed for each parameter listed and all results recorded:

Table 1 - Effluent Stormwater Monitoring	
Location	**1.**Wet cell of the pond, on downstream side of the forebay berm (approximately 50-meters upstream of pond outlet) **2.** Pond outlet to MH1/infiltration gallery, from within wet cell of the pond, above/at clearstone outlet (approximately 50-meters downstream of forebay berm) **3.** At 300 mm diameter piped pond outlet to an existing ditch along Eco Parkway, when flowing discharge present, or from MH1 contents at inlet end of piped outlet when no discharge flow present.
Frequency*	Once in the 1st and 4th quarters Twice in the 2nd and 3rd quarters
Sample Type**	Grab
Parameters	Biological Oxygen Demand (BOD5) Total Suspended Solids Total Phosphorus Total Kjeldahl Nitrogen Total Ammonia Nitrogen field pH field Temperature Un-ionized Ammonia Nitrite Nitrogen Nitrate Nitrogen Potassium

Notes:

* Samples shall be collected within twenty four hours after a rainfall event (more than 10 mm rainfall in 24 hour period) resulting in a stormwater discharge from SWM Pond at an interval of approximately one (1) month between consecutive sampling events.

** The three samples collected per sampling event shall be individual equal-volume grab samples, then wholly combined to make-up a representative single-composite sample for lab analysis.

4.3 The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:

(a) the Ministry's Procedure F-10-1, “Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only)", as amended from time to time by more recently published editions;

(b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions;

(c) the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.

4.4 The temperature and pH of the effluent stormwater from the *Works* shall be determined in the field at the time of sampling for Total Ammonia Nitrogen. The concentration of un-ionized ammonia shall be calculated using the total ammonia concentration, field pH and field temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for ammonia (un-ionized).

4.5 The measurement frequencies, sampling parameters and/or sampling locations specified in Table 1 are minimum requirements, which may, after 24 months of monitoring in accordance with this Condition, be modified by the *District Manager* in writing from time to time.

4.6 The *Owner* shall retain for a minimum of three (3) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this *Approval* .

5. CONTINGENCY AND REMEDIAL ACTION PLAN

5.1 The *Owner* shall prepare and submit for approval to the *District Manager* a contingency and remedial action plan within one (1) year plus 3-months start of operations at the facility, or two (2) years from issuance date of this *Approval* , whichever comes first. The contingency and remedial action plan shall identify trigger mechanisms based on the effluent stormwater monitoring results for parameters of concern obtained under Condition 4. The contingency and remedial action plan shall describe the contingency measures to be implemented when identified trigger mechanisms are exceeded. The *Owner* shall maintain the contingency plan current.

5.2 If, in the opinion of the *District Manager* , failure of the appropriate contingency plan(s) and remedial measures is confirmed by the *Owner* or a Provincial Officer of the Ministry, the *Owner* shall, immediately upon notification from the *District Manager* , implement any necessary additional contingency plan(s) and remedial measures, including, but not necessarily limited to, the contingency and remedial action plan as approved under Condition 5.1.

5.3 If the *District Manager* deems the additional appropriate contingency plan(s) and remedial measures taken as per condition 5.2 to be unsuitable, insufficient or ineffective, the *District Manager* may direct the *Owner* , in writing, to take further remedial measures, as well as making repairs or modifications to equipment or processes, or to prohibit any discharge of potentially contaminated stormwater from the site to the receiving ground-water and surface water and dispose the potentially contaminated stormwater off-site in a preapproved manner.

6. OPERATION AND MAINTENANCE

6.1 The *Owner* shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the stormwater management *Works* do not constitute a safety or health hazard to the general public.

6.2 The *Owner* shall ensure that the design storage volumes are maintained at all times.

6.3 The *Owner* shall undertake an inspection of the condition of the stormwater management *Works* , at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the above noted stormwater management *Works* to prevent the excessive build-up of sediment, debris and/or decaying vegetation to avoid reduction of capacity of the *Works* . The *Owner* shall also regularly inspect and clean out the inlet to and outlet from the *Works* to ensure that these are not obstructed.

6.4 The *Owner* shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at a readily accessible location for inspection by the *Ministry* . The logbook shall include the following:

(a) the name of the *Works* ; and

(b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the stormwater management *Works* .

7. REPORTING

7.1 In addition to the obligations under Part X of the Environmental Protection Act, the *Owner* shall, within ten (10) working days of the occurrence of any reportable spill as defined on Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the *District Manager* describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.

7.2 A performance report shall be prepared by a licensed Professional Geoscientist or Professional Engineer qualified in the field of stormwater/surface water management, and submitted to the *District Manager* on an annual basis within ninety (90) days following the end of the calendar year. The first such report shall cover the first annual period following the commencement of the monitoring program and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

(a) a summary and interpretation of all monitoring data, including an overview of the success and adequacy of the stormwater management *Works* ;

(b) a description of any operating problems encountered and corrective actions taken;

(c) a summary of annual stormwater management *Works* inspection reports as required by Condition 6.3;

(d) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the stormwater management *Works* ;

(e) a summary of any effluent quality assurance or control measures undertaken in the reporting period; and

(f) a summary of the calibration and maintenance carried out on all effluent monitoring equipment.

8. RECORD KEEPING

The *Owner* shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this *Approval*

9. SOURCE WATER PROTECTION

The *Owner* shall, within sixty (60) calendar days of the Minister of the Environment posting approval of a *Source Protection Plan* on the environmental registry established under the Environmental Bill of Rights, 1993 for the area in which this *Approval* is applicable, apply to the *Director* for an amendment to this *Approval* that includes the necessary measures to conform with all applicable policies in the approved *Source Protection Plan.*

Schedule 'A' forms part of this *Approval* and contains a list of supporting documentation/information received, reviewed and relied upon in the issuance of this *Approval* .

SCHEDULE A

1. Application for Approval of Sewage Works submitted by Lystek International Inc. dated September 19, 2011;

2. Stormwater Management Report, Lystek Dundalk, Organic Materials Recovery Centre and enclosed design drawings dated September, 2011, prepared by Conestoga-Rovers & Associates;

3. Stormwater Management Report, Lystek Southgate, Organic Materials Recovery Centre dated (revised) February 2012 together with enclosed design drawings and cover letter dated February 23, 2012, Hydrogeological Assessment dated March 21, 2012 and letters dated March 1, 2012, March 21, 2012, May 1, 2012, May 4, 2012, June 14, 2012 and any other project related correspondence prepared by Conestoga-Rovers & Associates.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the *Approval* and the practice that the *Approval* is based on the most current document, if several conflicting documents are submitted for review. The Condition also advises the *Owner* their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this *Approval* .

2. Condition 2 is included to ensure that, when the *Works* are constructed, the *Works* will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment..

3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the works are made aware of the *Approval* and continue to operate the works in compliance with it.

4. Condition 4 is included to enable the *Owner* to evaluate and demonstrate the performance of the

Works on a continual basis, so that the *Works* are properly operated and maintained based on parameters outlined in Condition 4, Table 1 and Condition 5 as specified in the *Approval* and that the *Works* does not cause any impairment to the receiving ground-water and watercourse.

5. Condition 5 is included to establish the effluent trigger levels which the *Owner* is obligated to use best efforts to strive towards on an ongoing basis. These trigger levels are to be used as a mechanism to trigger corrective action pro-actively and voluntarily before environmental impairment occurs.

6. Condition 6 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from this approved stormwater management *Works* are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the *Works* . It is also required to ensure that adequate storage is maintained in the stormwater management facilities at all times as required by the design. Furthermore, Conditions 6 is included to ensure that the stormwater management *Works* are operated and maintained to function as designed.

7. Condition 7 is included to provide a performance record for future references and to ensure that the Ministry is made aware of problems as they arise, so that the Ministry can work with the *Owner* in resolving the problems in a timely manner.

8. Condition 8 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the *Works.*

9. Condition 9 is included to ensure that the works covered by this *Approval* will conform to the significant threat policies and designated Great Lakes policies in the *Source Protection Plan.*

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal 655 Bay Street, Suite 1500 Toronto, Ontario M5G 1E5	AND	The Director appointed for the purposes of Part II.1 of the Environmental Protection Act Ministry of the Environment 2 St. Clair Avenue West, Floor 12A

Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal 's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 5th day of October, 2012

Tesfaye Gebrezghi, P.Eng.
Director
appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

HV/
c: District Manager, MOE Owen Sound
Ron Cherkewski, P. Eng., Conestoga-Rovers & Associates

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 5510-CVVMZC
Issue Date: February 23, 2024

Lystek International Corp
125 McGovern Dr
Cambridge, Ontario
N3H 4R7

Site Location: Organic Materials Recovery Centre
191 Eco Pky
Southgate Township, County of Grey
N0C 1B0

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

An organic materials recovery facility, consisting of the following processes and support units:

- underground storage tanks;
- outdoor lined and covered storage lagoons for the storage of processed waste, each equipped with an iron oxide adsorption system for emissions control;
- reagent tanks for caustic storage;
- process reactors;
- ancillary structures including but not limited to weigh scales, pumping wells and ground-water monitoring network;
- Biofilter, used to control emissions from the organic materials recovery facility (including process reactors, underground storage tanks, caustic storage tanks and tipping hall);
- natural gas, propane and biogas fired boilers for process heat; and
- biogas flare with a natural gas pilot

including the Equipment and any other ancillary and support processes and activities, operating at a Facility Production Limit of up to 150,000 tonnes of organic waste per year, discharging to the air as described in the Original ESDM Report.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "ACB list" means the document entitled “Air Contaminants Benchmarks (ACB) List: Standards, guidelines and screening levels for assessing point of impingement concentrations of air contaminants”, as amended from time to time and published by the Ministry and available on a Government website;
2. "Acceptable Point of Impingement Concentration" means a concentration accepted by the Ministry as not likely to cause an adverse effect for a Compound of Concern that,
    a. is not identified in the ACB list, or
    b. is identified in the ACB list as belonging to the category “Benchmark 2” and has a concentration at a Point of Impingement that exceeds the concentration set out for the contaminant in that document.
    With respect to the Original ESDM Report, the Acceptable Point of Impingement Concentration for a Compound of Concern mentioned above is the concentration set out in the Original ESDM Report;
3. "Acoustic Assessment Report" means the report, prepared in accordance with Publication NPC-233 and Appendix A of the Basic Comprehensive User Guide, prepared and signed by Sam East of GHD and dated May 31, 2022 submitted in support of the application, that documents all sources of noise emissions and Noise Control Measures present at the Facility, as updated in accordance with Condition 5 of this Approval;
4. "Acoustic Assessment Summary Table" means a table prepared in accordance with the Basic Comprehensive User Guide summarising the results of the Acoustic Assessment Report, as updated in accordance with Condition 5 of this Approval;
5. "Approval" means this entire Environmental Compliance Approval and any Schedules to it;
6. "Basic Comprehensive User Guide" means the Ministry document titled "Basic Comprehensive Certificates of Approval (Air) User Guide” dated March 2011, as amended;
7. "Biofilter" means the enclosed biofilter, filled with organic media, used to control emissions from the organic materials recovery facility (including reactor tanks, liquid waste storage tanks, caustic storage tanks and tipping hall), described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
8. "Company" means Lystek International Corp operating as Lystek International Corp that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA;
9. "Compound of Concern" means a contaminant described in paragraph 4 subsection 26 (1) of O. Reg. 419/05, namely, a contaminant that is discharged

from the Facility in an amount that is not negligible;

10. "Description Section" means the section on page one of this Approval describing the Company's operations and the Equipment located at the Facility and specifying the Facility Production Limit for the Facility;
11. "Director" means a person appointed for the purpose of section 20.3 of the EPA by the Minister pursuant to section 5 of the EPA;
12. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
13. "Emission Summary Table" means a table described in paragraph 14 of subsection 26 (1) of O. Reg. 419/05;
14. "Environmental Assessment Act" means the Environmental Assessment Act, R.S.O. 1990, c.E.18;
15. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19;
16. "Equipment" means equipment or processes described in the ESDM Report, this Approval and in the Schedules referred to herein and any other equipment or processes;
17. "Equipment with Specific Operational Limits" means the biofilter, iron oxide adsorption systems, biogas fired boilers, biogas flare, any Equipment related to the thermal oxidation of waste or waste derived fuels, fume incinerators or any other Equipment that is specifically referenced in any published Ministry document that outlines specific operational guidance that must be considered by the Director in issuing an Approval;
18. "ESDM Report" means the most current Emission Summary and Dispersion Modelling Report that describes the Facility. The ESDM Report is based on the Original ESDM Report and is updated after the issuance of this Approval in accordance with section 26 of O. Reg. 419/05 and the Procedure Document;
19. "Exhausted" means the capacity of the iron oxide to adsorb contaminant emissions is reached, and the iron oxide media in the Iron Oxide Adsorption System is no longer able to effectively reduce emissions;
20. "Facility" means the entire operation located on the property where the Equipment is located;
21. "Flare" means the biogas flare used for the thermal destruction of flammable gases described in the Company's application, this Approval and in the supporting documentation referred therein, to the extent approved by this Approval;
22. "Facility Production Limit" means the production limit placed by the Director on the main product(s) or raw materials used by the Facility;

23. "Highest Ranking Person" means the highest ranking person regularly present at the Facility who has management responsibilities relating to the Facility;
24. "Iron Oxide Adsorption System" means the iron oxide adsorption systems, used to control emissions from each of the storage lagoons (storage lagoon 1 & 2), described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
25. "Log" means a document that contains a record of each change that is required to be made to the ESDM Report and Acoustic Assessment Report, including the date on which the change occurred. For example, a record would have to be made of a more accurate emission rate for a source of contaminant, more accurate meteorological data, a more accurate value of a parameter that is related to a source of contaminant, a change to a Point of Impingement and all changes to information associated with a Modification to the Facility that satisfies Condition 2;
26. "Manager" means the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, or any other person who represents and carries out the duties of the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, as those duties relate to the conditions of this Approval;
27. "Minister" means the Minister of the Environment, Conservation and Parks or such other member of the Executive Council as may be assigned the administration of the EPA under the Executive Council Act;
28. "Ministry" means the ministry of the Minister;
29. "Modification" means any construction, alteration, extension or replacement of any plant, structure, equipment, apparatus, mechanism or thing, or alteration of a process or rate of production at the Facility that may discharge or alter the rate or manner of discharge of a Compound of Concern to the air or discharge or alter noise or vibration emissions from the Facility;
30. "Noise Control Measures" means measures to reduce the noise emissions from the Facility and/or Equipment including, but not limited to, silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers;
31. "O. Reg. 419/05" means Ontario Regulation 419/05: Air Pollution – Local Air Quality, made under the EPA;
32. "Odour Management Plan" means a document which describes the current and planned odour management and control measures and the odour performance of the Facility.
33. "Original ESDM Report" means the Emission Summary and Dispersion Modelling Report which was prepared in accordance with section 26 of O. Reg. 419/05 and

the Procedure Document by GHD and dated May 31, 2022 submitted in support of the application, and includes any changes to the report made up to the date of issuance of this Approval;

34. "Point of Impingement" has the same meaning as in section 2 of O. Reg. 419/05;
35. "Point of Reception" means Point of Reception as defined by Publication NPC-300;
36. "Pre-Test Plan" means a plan for the Source Testing including the information required in Section 5 of the Source Testing Code;
37. "Procedure Document" means Ministry guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated March 2018, as amended;
38. "Processes with Significant Environmental Aspects" means the Equipment which, during regular operation, would discharge one or more contaminants into the air in an amount which is not considered as negligible in accordance with section 26 (1) 4 of O. Reg. 419/05 and the Procedure Document;
39. "Publication NPC-207" means the Ministry draft technical publication "Impulse Vibration in Residential Buildings", November 1983, supplementing the Model Municipal Noise Control By-Law, Final Report, published by the Ministry, August 1978, as amended;
40. "Publication NPC-233" means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended;
41. "Publication NPC-300" means the Ministry Publication NPC-300, “Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300”, August 2013, as amended;
42. "Schedules" means the following schedules attached to this Approval and forming part of this Approval namely:
    - Schedule A - Supporting Documentation
    - Schedule B - Source Testing Procedures;
    - Schedule C- Procedure to Calculate and Record the 10-minute Average Concentration of Odour.
43. "Sensitive Receptor" means any location where routine or normal activities occurring at reasonably expected times would experience adverse effect(s) from odour discharges from the Facility, including one or a combination of:
    a. private residences or public facilities where people sleep (e.g.: single and multi-unit dwellings, nursing homes, hospitals, trailer parks, camping

grounds, etc.),

b. institutional facilities (e.g.: schools, churches, community centres, day care centres, recreational centres, etc.),

c. outdoor public recreational areas (e.g.: trailer parks, play grounds, picnic areas, etc.), and

d. other outdoor public areas where there are continuous human activities (e.g.: commercial plazas and office buildings);

44. "Source Testing" means sampling and testing to measure emissions resulting from operating the Biofilter and the Iron Oxide Adsorption System, under conditions which yield the worst case emissions within the approved operating range of the Biofilter and the Iron Oxide Adsorption System, or as close as possible to the approved Facility Production Limit, or at operating conditions when the rates of odour, ammonia and hydrogen sulphide emissions from the Facility are anticipated to be maximum, which satisfies paragraph 1 of subsection 11(1) of O. Reg. 419/05;

45. "Source Testing Code" means the Ontario Source Testing Code, dated June 2010, prepared by the Ministry, as amended;

46. "Substantiated Complaint" means a complaint received either by the Company or the District Manager that has been confirmed by staff of the Ministry the cause of which is attributed to the Company's activities at the Facility;

47. "Toxicologist" means a qualified professional currently active in the field of risk assessment and toxicology that has a combination of formal university education, training and experience necessary to assess contaminants;

48. "Trained Personnel" means one or more Facility personnel trained or knowledgeable through instruction and/or practice and able to carry out any necessary duties related to the operation of the Equipment and procedures to be followed in the event of a process upset or an emergency situation; and

49. "Written Summary Form" means the electronic questionnaire form, available on the Ministry website, that documents whether Modifications were undertaken at the Facility and compliance with the Approval, in the previous calendar year.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. **GENERAL**
    1. Except as otherwise provided by this Approval, the Facility shall be designed, developed, built, operated and maintained in accordance with the terms and conditions of this Approval and in accordance with the following Schedules attached hereto:
        - Schedule A - Supporting Documentation
        - Schedule B - Source Testing Procedures;
        - Schedule C- Procedure to Calculate and Record the 10-minute Average Concentration of Odour.

2. **LIMITED OPERATIONAL FLEXIBILITY**
    1. Pursuant to section 20.6 (1) of the EPA and subject to Conditions 2.2 and 2.3 of this Approval, future construction, alterations, extensions or replacements are approved in this Approval if the future construction, alterations, extensions or replacements are Modifications to the Facility that:
        a. are within the scope of the operations of the Facility as described in the Description Section of this Approval;
        b. do not result in an increase of the Facility Production Limit above the level specified in the Description Section of this Approval; and
        c. result in compliance with the performance limits as specified in Condition 4.
    2. Condition 2.1 does not apply to,
        a. the addition of any new Equipment with Specific Operational Limits or to the Modification of any existing Equipment with Specific Operational Limits at the Facility; and
        b. Modifications to the Facility that would be subject to the Environmental Assessment Act.
    3. Condition 2.1 of this Approval shall expire ten (10) years from the date of this Approval, unless this Approval is revoked prior to the expiry date. The Company may apply for renewal of Condition 2.1 of this Approval by including an ESDM Report and an Acoustic Assessment Report that describes the Facility as of the date of the renewal application.

3. **REQUIREMENT TO REQUEST AN ACCEPTABLE POINT OF IMPINGEMENT CONCENTRATION**
    1. Prior to making a Modification to the Facility that satisfies Condition 2.1.a. and 2.1.b., the Company shall prepare a proposed update to the ESDM Report to reflect the proposed Modification.

2. The Company shall request approval of an Acceptable Point of Impingement Concentration for a Compound of Concern if the Compound of Concern is not identified in the ACB list as belonging to the category “Benchmark 1” and a proposed update to an ESDM Report indicates that one of the following changes with respect to the concentration of the Compound of Concern may occur:
    a. The Compound of Concern was not a Compound of Concern in the previous version of the ESDM Report and
        i. the concentration of the Compound of Concern exceeds the concentration set out for the contaminant in the ACB list; or
        ii. the Compound of Concern is not identified in the ACB list; or
    b. The concentration of the Compound of Concern in the updated ESDM Report exceeds the higher of,
        i. the most recent Acceptable Point of Impingement Concentration, and
        ii. the concentration set out for the contaminant in the ACB list,if the contaminant is identified in that document.
3. The request required by Condition 3.2 shall propose a concentration for the Compound of Concern and shall contain an assessment, performed by a Toxicologist, of the likelihood of the proposed concentration causing an adverse effect at Points of Impingement.
4. If the request required by Condition 3.2 is a result of a proposed Modification described in Condition 3.1, the Company shall submit the request, in writing, to the Director at least 30 days prior to commencing to make the Modification. The Director shall provide written confirmation of receipt of this request to the Company.
5. If a request is required to be made under Condition 3.2 in respect of a proposed Modification described in Condition 3.1, the Company shall not make the Modification mentioned in Condition 3.1 unless the request is approved in writing by the Director.
6. If the Director notifies the Company in writing that the Director does not approve the request, the Company shall,
    a. revise and resubmit the request; or
    b. notify the Director that it will not be making the Modification.
7. The re-submission mentioned in Condition 3.6 shall be deemed a new submission under Condition 3.2.

8. If the Director approves the request, the Company shall update the ESDM Report to reflect the Modification.
9. Condition 3 does not apply if Condition 2.1 has expired.

4. **PERFORMANCE LIMITS**
    1. Subject to Condition 4.2, the Company shall not discharge or cause or permit the discharge of a Compound of Concern into the air if,
        a. the Compound of Concern is identified in the ACB list as belonging to the category "Benchmark 1" and the discharge results in the concentration at a Point of Impingement exceeding the Benchmark 1 concentration; or
        b. the Compound of Concern is not identified in the ACB list as belonging to the category “Benchmark 1” and the discharge results in the concentration at a Point of Impingement exceeding the higher of,
            i. if an Acceptable Point of Impingement Concentration exists, the most recent Acceptable Point of Impingement Concentration, and
            ii. the concentration set out for the contaminant in the ACB list, if the contaminant is identified in that document.
    2. Condition 4.1 does not apply if the benchmark set out in the ACB list has a 10-minute averaging period and no ambient monitor indicates an exceedance at a Point of Impingement where human activities regularly occur at a time when those activities regularly occur.
    3. The Company shall, at all times, ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300.
    4. The Company shall, at all times, ensure that the vibration emissions from the Facility comply with the limits set out in Ministry Publication NPC-207.
    5. The Company shall operate any Equipment with Specific Operational Limits approved by this Approval in accordance with the Original ESDM Report and Conditions No. 11 and 12 in this Approval.

5. **DOCUMENTATION REQUIREMENTS**
    1. The Company shall maintain an up-to-date Log.
    2. No later than June 30 in each year, the Company shall update the Acoustic Assessment Report and shall update the ESDM Report in accordance with section 26 of O. Reg. 419/05 so that the information in the reports is accurate as of December 31 in the previous year.
    3. The Company shall make the Emission Summary Table (see section 27 of O. Reg. 419/05) and Acoustic Assessment Summary Table available for

examination by any person, without charge, by posting it on the Internet or by making it available during regular business hours at the Facility.

4. The Company shall, within three (3) months after the expiry of Condition 2.1 of this Approval, update the ESDM Report and the Acoustic Assessment Report such that the information in the reports is accurate as of the date that Condition 2.1 of this Approval expired.
5. Conditions 5.1 and 5.2 do not apply if Condition 2.1 has expired.

6. **WRITTEN SUMMARY FORM**
    1. Subject to Condition 6.2, the Company shall prepare, and make available to the Ministry upon request, no later than August 31of each year, a Written Summary Form signed by the Highest Ranking Person.
    2. Condition 6.1 does not apply if:
        a. Condition 2.1 has expired; and
        b. the Written Summary Form has been completed for the year in which Condition 2.1 expired.

7. **OPERATION AND MAINTENANCE**
    1. The Company shall prepare and implement, not later than three (3) months from the date of this Approval, operating procedures and maintenance programs for all Processes with Significant Environmental Aspects, which shall specify as a minimum:
        a. frequency of monitoring of the parameters for the Biofilter and the building as required in the conditions of this Approval;
        b. procedures for monitoring the performance of the Iron Oxide Adsorption System;
        c. procedures for the operation of the Flare such that at least 98 percent of any gas vented to the Flare is destroyed.
        d. all appropriate measures to minimize odour and noise emissions from all potential sources, including but not limited to a contingency plan to deal with the storage of incoming materials when the Facility is shut down;
        e. frequency of inspections and scheduled preventative maintenance;
        f. procedures to prevent upset conditions;
        g. procedures to minimize all fugitive emissions;
        h. procedures to prevent and/or minimize odorous emissions;
        i. procedures to prevent and/or minimize noise emissions; and
        j. procedures for record keeping activities relating to the operation and

maintenance programs.

2. The Company shall ensure that all Processes with Significant Environmental Aspects are operated and maintained in accordance with this Approval, the operating procedures and maintenance programs.
3. The Company shall keep all doors in the enclosed building of the Facility fully closed at all times, except when used for necessary personnel or vehicle entrance and exit.
4. Flare shall be operated with a flame present at all times when gas is vented through the Flare such that at least 98 percent of the gas is destroyed.
5. The Company shall record the following information each time the Flare is used:
   a. start time, stop time and date of flaring; and
   b. reason for flaring
6. A pilot flame must be present at all times when gas is vented through the Flare. The pilot flame shall be continuously monitored by a thermocouple to detect the presence of a flame.
7. Flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Visible emissions shall be continuously monitored and recorded while flaring is occurring.

8. **COMPLAINTS RECORDING AND REPORTING**
   1. A designated representative of the Company shall be available to receive complaints twenty-four (24) hours per day, seven (7) days per week.
   2. If at any time, the Company receives any environmental complaints from the public regarding the operation of the Facility approved by this Approval, the Company shall respond to these complaints according to the following procedures:
      a. Step 1: Record of Complaint - The Company shall record each complaint in a computerized tracking system. The information to be recorded shall include the following:
         i. name, address and the telephone number of the complainant, if known;
         ii. time and date of the complaint; and
         iii. details of the complaint;
      b. Step 2: Investigation of Complaint - After the complaint has been

received by the Company, the Company shall within two (2) business days of the complaint date report, either to the District Manager by phone during office hours or to the Ministry's Spills Action Centre at 1-800-268-6060 off office hours, on the receipt of the complaint. The Company shall immediately initiate investigation of the complaint. The investigation shall include, as a minimum, the following:

i. determination of the activities undertaken in the Facility at the time of the complaint;

ii. meteorological conditions including, but not limited to the ambient temperature, approximate wind speed and its direction; and

iii. determination if the complaint is attributed to activities in the Facility and if so, the possible cause(s) of the complaint;

c. Step 3: Corrective Action - The Company shall determine the remedial action(s) to address the cause(s) of the complaint and implement the remedial action(s) to eliminate the cause(s) of the complaint, as soon as practicably possible, and to prevent a similar occurrence in the future;

d. Step 4: Written Response - The Company shall document the response provided to the complainant, if known, and shall make the document(s) available for inspection by staff of the Ministry upon request. The response shall include the results of the investigation of the complaint, the action(s) taken or planned to be taken to address the cause(s) of the complaint, and if follow-up response(s) would be provided. The Company shall, within three (3) business days, submit a report to the District Manager on that complaint, and all proposed action(s) to prevent recurrence of the complaint in the future;

e. Step 5: Recording - All of the information collected and action(s) taken must be recorded in the computerized tracking system; and

f. Step 6: Investigation Into Whether Suspension Warranted - If a complaint cannot be resolved to the satisfaction of the District Manager, or in the District Manager’s opinion, an excessive number of verified complaints have been received during a short time period, the Company shall, upon written notice from the District Manager, submit, within three (3) business days of receiving the written notice, a written assessment of the complaint(s) including the results of any investigations conducted pursuant to condition 8.2.b, a list of actions with timelines that the Company is taking to address the cause of the complaint and provide a written assessment of whether a reduction in the amount of or a cessation from receiving waste would address the source of the complaint.

9. **RECORD KEEPING REQUIREMENTS**
    1. Any information requested by any employee in or agent of the Ministry concerning the Facility and its operation under this Approval, including, but not limited to, any records required to be kept by this Approval, shall be provided to the employee in or agent of the Ministry, upon request**,** in a timely manner.
    2. Unless otherwise specified in this Approval, the Company shall retain, for a minimum of five (5) years from the date of their creation all reports, records and information described in this Approval, including,
        a. a copy of the Original ESDM Report and each updated version;
        b. a copy of each version of the Acoustic Assessment Report;
        c. supporting information used in the emission rate calculations performed in the ESDM Reports and Acoustic Assessment Reports;
        d. the records in the Log;
        e. copies of each Written Summary Form prepared under Condition 6.1 of this Approval;
        f. records of maintenance, repair and inspection of Equipment related to all Processes with Significant Environmental Aspects; and
        g. all records related to environmental complaints made by the public as required by Condition 8 of this Approval.

10. **ODOUR MANAGEMENT PLAN**
    1. The Company shall operate the Facility at all times in accordance with the most recent version of the Odour Management Plan.
    2. The Company shall submit to the District Manager and the Director for review, an Odour Management Plan that describes the operations of the Facility and the odour control measures in place and planned for the Facility no later than six (6) months from the date of this Approval.
    3. The Odour Management Plan shall include the following:
        a. Facility and process descriptions including but not limited to normal and transient operations, start-up and shutdown, foreseeable maloperations and upsets, and unforeseen upsets which occurred, and sources of odour emissions associated with these operations;
        b. An inventory of estimated or quantified odour emission rates from all significant sources of odour emission at the Facility prepared in accordance with the Ministry's Procedure for Preparing an Emission Summary and Dispersion Modelling Report dated February 2017, as

amended;

c. Best management practices developed in accordance with the Ministry's Technical Bulletin on Best Management Practices for Industrial Sources of Odour and adopted in the Facility;

d. Odour levels at the Sensitive Receptors assessed in the ESDM Report, calculated in accordance with the procedures in Schedule C of this Approval, and updated with the inclusion of additional odour sources when identified;

e. A summary of Environmental Complaints relating to odour received by the Company and, where applicable, the results of the investigation(s) of the root causes, remedial actions implemented by the Company to address the sources of the complaints, and an analysis by the Company of the Environmental Complaints relating to odour to identify potential trends in the root causes;

f. Analysis of the information in (d) and (e) above to assess the odour performance of the Facility and the need to consider or implement further odour reduction measures in the Facility; and

g. Contingency actions that the Facility will implement when the Facility is shut down, including but not limited to procedures for the processing, storage or disposal of incoming material at locations other than the Facility.

4. The Company shall:
   a. update and revise the Odour Management Plan:
      i. within three (3) months of the implementation of any proposed modifications that may impact odour emissions; or
      ii. if directed or agreed to in writing by the District Manager.
   b. maintain the updated Odour Management Plan at the Facility and make it available to the Ministry staff upon request.
5. The Company shall record, and retain such records, each time a specific preventative and odour impact reduction measure described in the Odour Management Plan is implemented.
6. If Substantiated Complaints have been received by the Company and the Ministry and the Company has been unable to resolve the Substantiated Complaints to the satisfaction of the District Manger, the District Manager may require the Company to prepare an odour technology benchmarking analysis undertaken with the objective of determining the technically feasible reduction in predicted odour impact at Sensitive Receptor(s), that includes:

a. A comprehensive list of all control methods for odour impact reduction based on the following:
    i. a comparison of methods used by other facilities in the same or similar industrial sector to reduce odour emissions from the sources of odour emission at the Facility;
    ii. a review of emission control requirements and strategies from other jurisdictions including the United States, United Kingdom and European Union that are relevant to the Facility; and
    iii. where applicable, identification of technologies from other sectors with similar issues as the Facility, including preventative steps such as material substitutions, process changes and add-on controls or treatment methods;

b. An evaluation of the technical feasibility of the identified control options individually, and where applicable, control options in combination. This evaluation will include the availability and applicability of the option to the odour source, technical considerations, and any site-specific considerations; and

c. A ranking of feasible options, or option combinations with an assessment of predicted impact reductions at Sensitive Receptor(s) for odour sources and aggregate facility emissions of odour including percent contribution, odour concentrations and frequency assessment at sensitive receptors, as compared to current operations.

11. **BIOFILTER**

1. Operation and Maintenance

a. The Company shall maintain an empty bed residence time of at least 45 seconds in the Biofilter;

b. The Company shall prepare and implement the operating procedures and maintenance programs for the Biofilter, including:
    i. the frequency of inspection and replacement of the media in the Biofilter;
    ii. procedures for monitoring the performance of the Biofilter; and
    iii. procedures for any record keeping activities relating to the operation and maintenance of the Biofilter;

c. The Company shall perform a quarterly review of the operational data of the Biofilter, including an analysis of parameters (including but not limited to all of the parameters identified in Condition 11.2) trends and

their comparison to the design levels and submit a report to the District Manager, not later than two (2) weeks after end of the previous quarter.

2. Monitoring
    a. The Company shall monitor and record the following physical parameters of the Biofilter and the building, through a combination of sensors, meters and physical probes, at frequencies as recommended by the Equipment suppliers or as determined by operational needs, except for frequencies identified in this Approval:
        i. Biofilter:
            a. process air flow through each cell;
            b. differential pressure across media bed in each cell;
            c. media temperature in each cell;
            d. inlet air temperature;
            e. process air relative humidity;
            f. water flow of the media irrigation water;
            g. moisture content of media in each cell (once every three (3) months as a minimum); and
            h. ammonium ions and nitrates in the media (once every three (3) months as a minimum);
        ii. Building:
            a. hydrogen sulphide; and
            b. ammonia;
    b. The Company shall monitor, record and keep in a log the concentration of ammonia manually, every six (6) hours, minimum 3 times per day from Monday to Friday, and every eight (8) hours, minimum 2 times per day on Saturdays (excluding statutory holidays) or at a frequency as agreed or directed by the District Manager at the inlet and outlet (just before the process air enters the Biofilter) of the humidifier;
    c. The Company shall notify the District Manager in writing when the rolling arithmetic average concentration (weekly) of ammonia leaving the humidifier (just before the process air enters the Biofilter) exceeds 25 parts per million.

3. Source Testing
    a. If Substantiated Complaints have been received by the Company and the Ministry and the Company has been unable to resolve the

Substantiated Complaints to the satisfaction of the District Manger, the District Manager may require the Company to perform Source Testing to determine the rates of emission of odour, ammonia and hydrogen sulphide compounds from the Biofilter, in accordance with the procedures in Schedule B with changes necessary to the testing and/ or require the Company to, in consultation with the District Manager, conduct a test to identify potential leak points which could be a source of fugitive emissions during Facility operation.

12. **IRON OXIDE ADSORPTION SYSTEM**
    1. Operation and Maintenance
        a. The Company shall maintain an iron oxide media content of approximately 8,400 kilograms in each of the Iron Oxide Adsorption Systems;
        b. The Company shall prepare and implement the operating procedures and maintenance programs for the Iron Oxide Adsorption Systems, including:
            i. the frequency of inspection and replacement of the iron oxide media in the Iron Oxide Adsorption Systems;
            ii. procedures for monitoring the performance of the Iron Oxide Adsorption Systems; and
            iii. procedures for any record keeping activities relating to the operation and maintenance of the Iron Oxide Adsorption Systems;
        c. The Company shall ensure that the iron oxide media in the Iron Oxide Adsorption Systems are replaced before it is Exhausted.
        d. The Company shall perform a quarterly review of the operational data of the Iron Oxide Adsorption Systems, including an analysis of parameters (including but not limited to all of the parameters identified in Condition 12.2b) trends and their comparison to the design levels and submit a report to the District Manager, not later than two (2) weeks after end of the previous quarter.
    2. Monitoring
        a. The Company shall monitor the operational parameters of the Iron Oxide Adsorption Systems, either as specified in the Manual of the Iron Oxide Adsorption Systems manufacturer, or as deemed necessary in accordance with site operational conditions. The results of monitoring these parameters shall be recorded in a log.
        b. Critical and key performance parameters of the Iron Oxide Adsorption

Systems,such as the hydrogen sulphide and ammonia concentration measured at the inlet and outlet of Iron Oxide Adsorption Systems, shall be monitored on a daily basis or at a frequency as agreed or directed by the District Manager. Any parameter deviation outside of its accepted range shall be promptly communicated to the Trained Personnel so that corrective action(s) can be undertaken.

3. Source Testing
   a. If Substantiated Complaints have been received by the Company and the Ministry and the Company has been unable to resolve the Substantiated Complaints to the satisfaction of the District Manger, the District Manager may require the Company to perform Source Testing to determine the rates of emission of odour, ammonia and hydrogen sulphide compounds from the Iron Oxide Adsorption System, in accordance with the procedures in Schedule B with changes necessary to the testing and/ or require the Company to, in consultation with the District Manager, conduct a test to identify potential leak points which could be a source of fugitive emissions during Facility operation.

13. **CHANGE OF OWNERSHIP**
    1. The Company shall notify the Director in writing, and forward a copy of the notification to the District Manger, within thirty (30) days of the occurrence of any changes to facility operations;
       a. the ownership of the Facility;
       b. the operator of the Facility;
       c. the address of the Company;
       d. the partners, where the Company is or any time becomes a partnership and a copy of the most recent declaration filed under the *Business Names Act,* R.S.O. 1990, c. B.17, shall be included in the notification;
       e. the name of the corporation where the Company is or at any time becomes a corporation, other than a municipal corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C.39, shall be included in the notification.
    2. In the event of any change in ownership of the Facility, the Company shall notify the successor of the existence of this Approval and provide the successor with a copy of this Approval, and the Company shall provide a copy of the notification to the District Manager and the Director.

14. **REVOCATION OF PREVIOUS APPROVALS**
    1. This Approval replaces and revokes all Certificates of Approval (Air) issued

under section 9 EPA and Environmental Compliance Approvals issued under Part II.1 EPA to the Facility in regards to the activities mentioned in subsection 9(1) of the EPA and dated prior to the date of this Approval.

SCHEDULE A

Supporting Documentation

1. Environmental Compliance Approval Application, dated May 27, 2022, signed by Michael Beswick and submitted by the Company;
2. Emission Summary and Dispersion Modelling Report, prepared by GHD and dated May 31, 2022;
3. Acoustic Assessment Report prepared and signed by Sam East of GHD and dated May 31, 2022;
4. Additional information packages submitted by email by Matthew Griffin of GHD dated September 9, September 26, September 27 and October 2, 2023.

SCHEDULE B

Source Testing Procedures

1. The Company shall submit, not later than three (3) months prior to the Source Testing, to the Manager a Pre-Test Plan for the Source Testing required under this Approval. The Company shall finalize the Pre-Test Plan in consultation with the Manager.
2. The Company shall not commence the Source Testing required under this Approval until the Manager has approved the Pre-Test Plan.
3. The Company shall notify the Manager, the District Manager and the Director in writing of the location, date and time of any impending Source Testing required by this Approval, at least fifteen (15) days prior to the Source Testing.
4. The Company shall submit a report (hardcopy and electronic format) on the Source Testing to the Manager, the District Manager and the Director not later than three (3) months after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include, but not be limited to:
    1. an executive summary;
    2. an identification of the applicable North American Industry Classification System code (NAICS) for the Facility;

3. records of operating conditions at the time of Source Testing, including but not limited to the following:
    a. production data and equipment operating rate as a percentage of maximum capacity;
    b. Facility process information at the time of testing;
    c. description of the emission sources controlled by the Biofilter and the Iron Oxide Adsorption System at the time of testing;
    d. records of weather conditions such as ambient temperature and relative humidity, wind speed and direction at the time of testing; and
    e. operational description of the general building ventilation serving the tipping hall at the time of testing;
4. results of Source Testing, including the emission rate, emission concentration, and relevant emission factor.

5. The Director may not accept the results of the Source Testing if:

    a. the Source Testing Code or the requirements of the Manager were not followed;
    b. the Company did not notify the Manager, the District Manager and Director of the Source Testing; or
    c. the Company failed to provide a complete report on the Source Testing.

6. If the Director does not accept the results of the Source Testing, the Director may require re-testing. If re-testing is required, the Pre-Test Plan strategies need to be revised and submitted to the Manager for approval. The actions taken to minimize the possibility of the Source Testing results not being accepted by the Director must be noted in the revision.
7. The Company shall update their ESDM Report in accordance with Section 26 of O. Reg. 419/05 with the results from the Source Testing if the calculated emission rates from the Source Testing are higher than the predicted rates in the ESDM Report and make these records available for review by staff of the Ministry upon request. Dispersion calculations for the 10-minute average concentration of Odour, at the Point of Impingement and the most impacted Sensitive Receptor, shall be calculated in accordance with the procedure outlined in Schedule C. The updated Emission Summary Table from the updated ESDM Report shall be submitted with the Source Testing report.

SCHEDULE C

Procedure to Calculate and Record the 10-minute Average Concentration of Odour

1. Calculate and record one-hour average concentration of odour at the Point of Impingement and at the most impacted Sensitive Receptor, employing the AERMOD atmospheric dispersion model or any other model acceptable to the Director, that employs at least five (5) years of hourly local meteorological data and that can provide results reported as individual one-hour average odour concentrations;
2. Convert and record each of the one-hour average concentrations predicted over the five (5) years of hourly local meteorological data at the Point of Impingement and at the most impacted Sensitive Receptor to 10-minute average concentrations using the One-hour Average to 10-Minute Average Conversion described below; and
3. Record and present the 10-Minute Average concentrations predicted to occur over a five (5) year period at the Point of Impingement and at the most impacted Sensitive Receptor in a histogram. The histogram shall identify all predicted 10-minute average odour concentration occurrences in terms of frequency, identifying the number of occurrences over the entire range of predicted odour concentration in increments of not more than 1/10 of one odour unit. The maximum 10-minute average concentration of odour at the Sensitive Receptor will be considered to be the maximum odour concentration corresponding to 99.5% of the time in the 5 year modelling period at the most impacted Sensitive Receptor. If elimination of meteorological anomalies in accordance with the section 6.5 of the ministry's document titled "Air Dispersion Modelling Guideline for Ontario" dated February 2017, as amended, is considered before considering frequency, only those anomalies per year of meteorology over the full modelling grid as required under section 14 of O. Reg. 419/05 shall be removed.
4. Use the following formula to convert and record one-hour average concentrations at the Point of Impingement and at the most impacted Sensitive Receptor to 10-minute average concentrations:

   $X_{10min} = X_{60min} * 1.65$

   where X_{10min} = 10-minute average concentration

   X_{60min} = one-hour average concentration

   (Equation: X Subscript 10 min Baseline equals X Subscript 60 min Baseline times 1.65, where X Subscript 10 min Baseline equals 10-minute average concentration and X Subscript 60 min Baseline equals one-hour average concentration.)

The reasons for the imposition of these terms and conditions are as follows:

1. **GENERAL**
   Condition No. 1 is included to require the Approval holder to build, operate and maintain the Facility in accordance with the Supporting Documentation in Schedule A considered by the Director in issuing this Approval.
2. **LIMITED OPERATIONAL FLEXIBILITY, REQUIREMENT TO REQUEST AN ACCEPTABLE POINT OF IMPINGEMENT CONCENTRATION AND PERFORMANCE LIMITS**
   Conditions No. 2, 3 and 4 are included to limit and define the Modifications permitted by this Approval, and to set out the circumstances in which the Company shall request approval of an Acceptable Point of Impingement Concentration prior to making Modifications. The holder of the Approval is approved for operational flexibility for the Facility that is consistent with the description of the operations included with the application up to the Facility Production Limit. In return for the operational flexibility, the Approval places performance based limits that cannot be exceeded under the terms of this Approval. Approval holders will still have to obtain other relevant approvals required to operate the Facility, including requirements under other environmental legislation such as the Environmental Assessment Act.
3. **DOCUMENTATION REQUIREMENTS**
   Condition No. 5 is included to require the Company to maintain ongoing documentation that demonstrates compliance with the performance limits as specified in Condition 4 of this Approval and allows the Ministry to monitor on-going compliance with these performance limits. The Company is required to have an up to date ESDM Report and Acoustic Assessment Report that describe the Facility at all times and make the Emission Summary Table and Acoustic Assessment Summary Table from these reports available to the public on an ongoing basis in order to maintain public communication with regard to the emissions from the Facility.
4. **WRITTEN SUMMARY FORM**
   Condition No. 6 is included to require the Company to prepare, and make available to the Ministry upon request, a yearly Written Summary Form, to assist the Ministry with the review of the site's compliance with the EPA, the regulations and this Approval.
5. **OPERATION AND MAINTENANCE**
   Condition No. 7 is included to require the Company to properly operate and maintain the Processes with Significant Environmental Aspects to minimize the impact to the environment from these processes.
6. **COMPLAINTS RECORDING AND REPORTING PROCEDURE**
   Condition No. 8 is included to require the Company to respond to any environmental complaints regarding the operation of the Equipment, according to

a procedure that includes methods for preventing recurrence of similar incidents and a requirement to prepare and retain a written report.

7. **RECORD KEEPING REQUIREMENTS**
   Condition No. 9 is included to require the Company to retain all documentation related to this Approval and provide access to employees in or agents of the Ministry, upon request, so that the Ministry can determine if a more detailed review of compliance with the performance limits as specified in Condition 4 of this Approval is necessary.
8. **ODOUR MANAGEMENT PLAN**
   Condition No. 10 is included to emphasize that the Facility/ Equipment must be operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval.
9. **BIOFILTER**
   Condition No. 11 is included to emphasize that the Biofilter must be maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval and to require the Company to gather accurate information so that the environmental impact and subsequent compliance with the EPA, the regulations and this Approval can be verified.
10. **IRON OXIDE ADSORPTION SYSTEM**
    Condition No. 12 is included to emphasize that the Iron Oxide Adsorption System must be maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval and to require the Company to gather accurate information so that the environmental impact and subsequent compliance with the EPA, the regulations and this Approval can be verified.
11. **CHANGE OF OWNERSHIP**
    Condition No. 13 is included to require the Company to notify/report to the Ministry so that compliance with the EPA, the regulations and this Approval can be verified.
12. **REVOCATION OF PREVIOUS APPROVALS**
    Condition No. 14 is included to identify that this Approval replaces all Section 9 Certificate(s) of Approval and Part II.1 Approvals in regards to the activities mentioned in subsection 9(1) of the EPA and dated prior to the date of this Approval.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 6808-BQAPV3 issued on July 6, 2020

In accordance with Section 139 of the *Environmental Protection Act,* you may by written notice served upon me, the Ontario Land Tribunal and in accordance with Section 47 of the *Environmental Bill of Rights,* 1993, the Minister of the Environment, Conservation

and Parks, within 15 days after receipt of this notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Notice") shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the *Environmental Protection Act,* a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

Registrar* Ontario Land Tribunal 655 Bay Street, Suite 1500 Toronto, Ontario M5G 1E5 OLT.Registrar@ontario.ca	and	The Minister of the Environment, Conservation and Parks 777 Bay Street, 5th Floor Toronto, Ontario M7A 2J3	and	The Director appointed for the purposes of Part II.1 of the *Environmental Protection Act* Ministry of the Environment, Conservation and Parks 135 St. Clair Avenue West, 1st Floor Toronto, Ontario M4V 1P5

*** Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or** www.olt.gov.on.ca

This instrument is subject to Section 38 of the *Environmental Bill of Rights,* 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at https://ero.ontario.ca/, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental*

Protection Act.

DATED AT TORONTO this 23rd day of February, 2024

[redacted]

Nancy E Orpana, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

SM/
c: District Manager, MECP Owen Sound
Matthew Griffin, GHD Ltd.

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Ontario

Ministry of the Environment | Ministère de l'Environnement

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 4158-7JAQT8
Issue Date: September 9, 2008

Alumi-Bunk Corporation
5 Keppel St.
Dundalk, Ontario
N0C 1B0

Site Location: Alumi-Bunk Corporation
5 Keppel St., Dundalk
Southgate Township, County of Grey

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) paint spray booth for the application of solvent based coatings at a maximum rate of 3.0 litres per hour, equipped with one (1) paint spray gun and 9.68 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 9.06 actual cubic metres per second at ambient temperature, through a stack, having an exit diameter of 1.07 metre, extending 2.6 metres above the roof and 9.14 metres above grade;

- one (1) paint spray booth, referred to as the lacquer booth, for the application of solvent based coatings at a maximum rate of 1.0 litre per hour, equipped with one (1) natural gas fired burner having a maximum heat input of 1,371,600 kilojoules per hour, one (1) paint spray gun and 6.69 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 5.66 normal cubic metres per second, through a stack, having an exit diameter of 0.61 metre, extending 4.57 metres above the roof and 8.38 metres above grade; and

- one (1) welding room used for gas metal arc welding, exhausting into the atmosphere at a volumetric flow rate of 2.36 cubic metres per second, through a stack, having an exit diameter of 0.61 metre, extending 7.6 metres above the roof and 1.5 metres above grade;

all in accordance with the following:

1. Application for Approval (Air & Noise) dated August 21, 2007 and signed by Ms. Joanne Wilcke, Human Resources, Alumi-Bunk Corporation, and all supporting information associated with the application provided by Henderson Paddon & Associates Limited including additional information provided by Joanne Wilcke via email and facsimile dated August 21, 2008; and

2. Application for a Certificate of Approval (Air), and all supporting information dated May 19, 2000 and signed by Tammy Seeley, Human Resources, as well as additional information provided by Tammy Seeley and dated July 25, 2000 and July 26, 2000.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Act" means the *Environmental Protection Act;*

(2) "Certificate" means this Certificate of Approval issued in accordance with the Act;

(3) "District Manager" means the District Manager, Barrie District Office, Southwest Region of the Ministry;

(4) "Equipment" means the paint spray booths and welding exhaust described in the Owner's applications, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(5) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;

(6) "Ministry" means the Ontario Ministry of the Environment;

(7) "Owner" means Alumi-Bunk Corporation, and includes its successors and assignees; and

(8 “Publication NPC-205” means Ministry Publication NPC-205 "Sound level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.

2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

OPERATING AND MAINTENANCE

3. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:

(1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

(d) the frequency of inspection and replacement of the filter material in the Equipment;

(e) procedures for recording and responding to environmental complaints; and

(f) appropriate measures to minimize odorous emissions from all potential sources.

(2) implement the recommendations of the operating and maintenance Manual.

RECORD RETENTION

4. The Owner shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Certificate. These records as well as the Manual shall be made available to staff of the Ministry upon request. The Owner shall retain:

(1) all records on the maintenance, repair and inspection of the Equipment; and

(2) all records on the environmental complaints, including:

(a) a description, time and date of each incident;

(b) operating conditions (e.g. the product name(s) being sprayed, any upset conditions, etc.) at the time of the incident; and

(c) a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

5. The Owner shall notify the District Manager, in writing, of each environmental complaint and the measures taken to address the cause of the complaint within five (5) business days of the complaint.

PERFORMANCE

6. The Owner shall ensure that the noise emissions from the Equipment comply with the limits set in Publication NPC-205.

7. The Owner shall restrict the use of the paint spray booths' intake and exhausts fans to the daytime period between 7:00 AM and 7:00 PM.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition No. 3 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

3. Condition No. 4 is included to require the Owner to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

4. Condition No. 5 is included to require the Owner to notify staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

5. Condition No. 6 is included to provide minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Equipment.

6. Condition No. 7 is included to ensure that the proposed paint spray booth's intake and exhausts fans, are not extended beyond the stated hours. Operation outside these hours, when ambient sound levels are significantly lower, may result in non-compliance with the established sound level limits.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 6742-4MTQUZ issued on August 8, 2000.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;

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4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal 655 Bay Street, 15th Floor Toronto, Ontario M5G 1E5	AND	The Environmental Commissioner 1075 Bay Street, 6th Floor Suite 605 Toronto, Ontario M5S 2B1	AND	The Director Section 9, *Environmental Protection Act* Ministry of the Environment 2 St. Clair Avenue West, Floor 12A Toronto, Ontario M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 9th day of September, 2008

Zafar Bhatti, P.Eng.
Director

JB/
c: District Manager, MOE Barrie District Office
Owen Sound Area Office
Catherine Freeman, Henderson Paddon & Associates

CONTENT COPY OF ORIGINAL

Ontario

Ministry of the Environment | **Ministère de l'Environnement**

CERTIFICATE OF APPROVAL
AIR
NUMBER 6742-4MTQUZ

Alumi-Bunk Corporation
5 Keppel Street
Dundalk, Ontario
N0C 1B0

Site Location: 5 Keppel Street
Dundalk Village, County Of Grey

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) paint spray booth for the application of solvent based coatings at a maximum rate of 3.0 litres per hour, equipped with one (1) paint spray gun and 9.68 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 9.06 actual cubic metres per second at ambient temperature, through a stack, having an exit diameter of 1.07 metre, extending 2.6 metres above the roof and 9.14 metres above grade;

- one (1) paint spray booth, referred to as the lacquer booth, for the application of solvent based coatings at a maximum rate of 1.0 litre per hour, equipped with one (1) natural gas fired burner having a maximum heat input of 1,371,600 kilojoules per hour, one (1) paint spray gun and 6.69 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 5.66 normal cubic metres per second, through a stack, having an exit diameter of 0.61 metre, extending 4.57 metres above the roof and 8.38 metres above grade;

all in accordance with the application for a Certificate of Approval (Air), and all supporting information dated May 19, 2000 and signed by Tammy Seeley, Human Resources, as well as additional information provided by Tammy Seeley and dated July 25, 2000 and July 26, 2000.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(i) "Act" means the *Environmental Protection Act;*

(ii) "Certificate" means this Certificate of Approval issued in accordance with the Act;

(iii) "Company" means Alumi-Bunk Corporation;

(iv) "Equipment" means the two (2) spray booths described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(v) "Manual" means a document or a set of documents that provide written instructions to staff of the Company; and

(vi) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment; and

(d) all appropriate measures to minimize odorous emissions from all potential sources; and

(2) implement the recommendations of the operating and maintenance Manual; and

(3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition the Company is required to keep records and to provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Appeal Board and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Board. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

CONTENT COPY OF ORIGINAL

The Secretary*	AND	The Environmental Commissioner	AND	The Director
Environmental Appeal Board		1075 Bay Street, 6th Floor		Section 9, *Environmental Protection Act*
2300 Yonge St., 12th Floor		Suite 605		Ministry of the Environment
P.O. Box 2382		Toronto, Ontario		2 St. Clair Avenue West, Floor 12A
Toronto, Ontario		M5S 2B1		Toronto, Ontario
M4P 1E4				M4V 1L5

*** Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 8th day of August, 2000

Dave Staseff, P.Eng.
Director
Section 9, *Environmental Protection Act*

CL/
c: District Manager, MOE Owen Sound

Content Copy Of Original

Ontario

Ministry of the Environment
Ministère de l'Environnement

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 5657-9D9LYE
Issue Date: December 2, 2013

The Corporation of the Township of Southgate
185667 Grey Road 9 Dundalk
Southgate, Ontario
N0C 1B0

Site Location: Dundalk Sewage Treatment Works
Lot 238 & 239, Concession 2
Southgate Township, County of Grey
N0C 1B0

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

Upgrade of the Dundalk Sewage Treatment Works (STW) for the collection, transmission, treatment and disposal of domestic sewage from the former Village of Dundalk, located at the above site location, discharging to Foley Drain and ultimately to the Grand River, rated at the capacity mentioned below and consisting of the following *Works* :

Dundalk STW *(Rated Capacity)*	
Average Daily Flow	1,832 m 3 /d

PROPOSED WORKS

Pumping Station

- 50 kW diesel generator to provide standby power for the raw sewage pumping station.

- control building to house raw sewage pump control equipment (variable frequency drives, ultrasonic transducer controllers), generator automatic transfer switch and other necessary electrical equipment.

Post Aeration Cell and Blower Building

- blower control equipment (variable frequency drives).

Tertiary Treatment Filter Building

- dissolved oxygen monitoring equipment for blower control

- air piping and fine bubble air diffusers in the effluent channel.

PREVIOUS WORKS

Pumping Station

- a submersible sewage pumping station including a 3.05 m diameter wet well equipped with two (2) submersible pumps, each rated at 47 L/s at 10 m TDH and a 230 mm diameter forcemain discharging to the waste stabilization ponds via an inlet structure

Waste Stabilization Ponds

- four (4) waste stabilization ponds with a total surface area of approximately 146,500 m^2 at an operating depth of approximately 1.8 m, providing a total storage volume of approximately 208,500 m^3 and a retention period of 114 days at an average day flow of 1,832 m^3/day, complete with interconnecting piping, influent and effluent flow control structures

Chemical Feed System

- a 2.2 m square single storey chemical metering building housing one (1) chemical metering pump complete with a flow recorder and totalizer

- a 24.5 m^3 capacity chemical storage tank (located outdoors) complete with insulation and heat tracing

Post Aeration Cell and Blower Building

- an oval earthen post-aeration cell with an operating depth of approximately 2.1 m, equipped with a fine bubble aeration diffuser system

- a 6.9 m x 5.7 m blower building housing two (2) rotary positive displacement blowers (1 standby) each rated at approximately 235 L/s at 35 kPa

Tertiary Treatment Filter Building

- filter influent pumping station equipped with three (3) submersible pumps with variable frequency drives, two (2) pumps rated at 42.4 L/s at 7.6 m TDH and one (1) pump rated at 24.7 L/s at 5.5 m TDH

- a 5,680 L capacity chemical storage tank (located in the filter building) and two (2) chemical metering pumps capable of feeding alum solution at a maximum rate of 8.3 L/hr and an in-line static mixer

- a polymer feed system comprised of two (2) 450 L capacity day tanks with mixers and two (2) chemical metering pumps capable of feeding polymer solution at a maximum of 2.1 L/hr

- a flocculation tank complete with a mixer, sized for a hydraulic retention time of 10 minutes at an average day flow of 1,832 m^3/day

- an automatic backwash filter comprised of two (2) cells with a surface area of 16 m^2, consisting of 300 mm anthracite layer, 250 mm silica sand layer over a 465 mm gravel bed, complete with lateral underdrain system and an air scour system

- a 50 m^3 filter effluent tank equipped with two (2) submersible pumps and one (1) provisional standby pump (for filter backwash), each rated at 53 L/s at 15 m TDH, with discharge to the existing V-notch weir to measure effluent discharge via outfall to the Foley Drain

- a 50 m^3 filter backwash waste tank equipped with two (2) submersible pumps (to pump filter

backwash water to the raw sewage pumping station located at the head end of the sewage works), each rated at 26 L/s at 10 m TDH.

- effluent flow measuring equipment.

Water Level Recording Station

- a gauging station on the Grand River, complete with a heated stilling well and level recorder.

and other controls, piping, valves, drains, and appurtenances essential for the proper operation of the aforementioned sewage works,

all in accordance with supporting documents listed in **Schedule B** .

For the purpose of this environmental compliance approval, the following definitions apply:

"Approval" means this entire document and any schedules attached to it, and the application;

"Average Daily Flow" means the cumulative total sewage flow to the sewage works during a calendar year divided by the number of days during which sewage was flowing to the sewage works that year;

"BOD5" (also known as TBOD 5) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;

"Bypass" means diversion of sewage around one or more unit processes within the *Sewage Treatment Plant* with the diverted sewage flows being returned to the *Sewage Treatment Plant* treatment train upstream of the *Final effluent* sampling location, and discharging to the environment through the *Sewage Treatment Plant* outfall;

"CBOD5" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;

"Daily Concentration" means the concentration of a contaminant in the effluent discharged over any single day, as measured by a composite or grab sample, whichever is required;

"Director" means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA;*

"EPA" means the Environmental Protection Act , R.S.O. 1990, c.E.19, as amended;

"E. Coli" refers to the thermally tolerant forms of Escherichia that can survive at 44.5 degrees Celsius;

"Emergency Situation" means a structural, mechanical or electrical failure that causes a temporary reduction in the capacity of the *Sewage Treatment Plant* or an unforeseen flow condition that may result in:

a) danger to the health or safety of any person; or,
b) injury or damage to any property, or serious risk of injury or damage to any property;

"Event" means an action or occurrence, at a given location within the *Sewage Treatment Plant* that causes a *Plant Bypass or Plant Overflow.* An *Event* ends when there is no recurrence of a *Bypass* or *Overflow* in the 12-hour period following the last *Bypass* or *Overflow* . Two *Events* are separated by at least 12 hours during which there has been no recurrence of a *Bypass* or *Overflow;*

"Equivalent equipment" means a substituted equipment that meets the required quality and performance standards of a named equipment;

"Final Effluent " means sewage discharge via the *Sewage Treatment Plant* outfall after undergoing the full train of unit processes as listed in the *Approval;*

"Grab Sample" means an individual sample of at least 1000 millilitres collected in the appropriate container at a randomly selected time over a period of time not exceeding 15 minutes;

"Limited Operational Flexibility" (LOF) means the *Modifications* that the *Owner* is permitted to make to the *Works* under this *Approval;*

"Ministry" means the ministry of the government of Ontario responsible for the *EPA* and *OWRA* and includes all officials, employees or other persons acting on its behalf;

"Modifications" means any addition, replacement, alteration, expansion or optimization for the Works as specified under *Limited Operational Flexibility;*

"Monthly Average Concentration" means the arithmetic mean of all *Daily Concentrations* of a contaminant in the effluent sampled or measured, or both, during a calendar month;

"Monthly Average Daily Flow" means the cumulative total sewage flow to the sewage works during a calendar month divided by the number of days during which sewage was flowing to the sewage works that month;

"Monthly Average Loading" means the value obtained by multiplying the *Monthly Average Concentration* of a contaminant by the *Monthly Average Daily Flow* over the same calendar month:

"Notice of Modifications" means the form entitled “Notice of Modifications to Sewage Works”;

"Owner" means Township of Southgate and its successors and assignees;

"OWRA" means the Ontario Water Resources Act , R.S.O. 1990, c. O.40, as amended;

"Plant Overflow " means a discharge to the environment from the *Sewage Treatment Plant* at a location other than the plant outfall or into the plant outfall downstream of the *Final Effluent* sampling location;

"Previous Works" means those portions of the sewage works previously constructed and approved under an *Approval* ;

"Proposed Works" means the sewage works described in the Owner’s application, this Approval, to the extent approved by this *Approval;*

"Rated Capacity" means the *Average Daily Flow* for which the *Works* are approved to handle;

"Sewage Treatment Plant" means the entire sewage treatment and effluent discharge facility;

"Substantial Completion" has the same meaning as *"substantial performance"* in the Construction Lien Act ;

"Water Supervisor" means the Water Supervisor for the Owen Sound office of the Ministry; and

"Works" means the sewage works described in the *Owner* 's application, and this *Approval* , and includes both *Proposed Works* and *Previous Works* and the *Limited Operational Flexibility.*

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

(1) The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) Except as otherwise provided by these conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval* , and the application for approval of the W *orks.*

(3) Where there is a conflict between a provision of any document in the schedule referred to in this *Approval* and the conditions of this *Approval* , the Conditions in this *Approval* shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

(4) Where there is a conflict between the documents listed in the Schedule submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(5) The Conditions of this *Approval* are severable. If any Condition of this *Approval* , or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Approval* shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this *Approval* will cease to apply to those parts of the *Works* which have not been constructed within **five (5) years** of the date of this *Approval.*

3. CHANGE OF OWNER

(1) The *Owner* shall notify the *Water Supervisor* and the *Director,* in writing, of any of the following changes within **thirty (30) days** of the change occurring:

(a) change of *Owner;*

(b) change of address of the *Owner;*

(c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act , R.S.O. 1990, c.B17 shall be included in the notification to the *Water Supervisor;*

(d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Informations Act , R.S.O. 1990, c. C39 shall be included in the notification to the *Water Supervisor;*

(2) In the event of any change in ownership of the *Works,* other than a change to a successor municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Approval,* and a copy of such notice shall be forwarded to the *Water Supervisor* and the *Director.*

4. UPON THE SUBSTANTIAL COMPLETION OF THE WORKS

(1) Upon the *Substantial Completion* of the *Works,* the Owner shall prepare a statement, certified by a Professional Engineer, that the works are constructed in accordance with this *Approval,* and upon request, shall make the written statement available for inspection by Ministry personnel.

(2) Within **one (1) year** of the *Substantial Completion* of the *Works* , a set of as-built drawings showing the works “as constructed” shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the *Works* for the operational life of the *Works.*

5. BYPASSES AND OVERFLOWS

(1) Any *Bypass* or *Plant Overflow* is prohibited, except:

(a) in an *Emergency Situation;*

(b) where the approved design and operation of the *Works* provides for *Bypasses / Plant Overflows* to be triggered under certain flow conditions and those conditions have been met and the Plant Peak Flow Rate is not exceeded;

(c) where the *Bypass / Plant Overflow* is a direct and unavoidable result of a planned maintenance procedure, the *Owner* notified the *Water Supervisor* 15 days prior to the *Bypass* and the *Water Supervisor* has given written consent of the *Bypass;* and

(d) where the *Bypass / Plant Overflow* is planned for research or training purposes, the discharger notified the *Water Supervisor* 15 days prior to the *Bypass / Plant Overflow* and the *Water Supervisor* has given written consent of the *Bypass / Plant Overflow.*

(2) The *Owner* shall forthwith notify the Spills Action Centre (SAC) and the Medical Officer of Health of

all *Bypass and Plant Overflow Events* except the events occurring under subsection (1)(b). This notice shall include, at a minimum, the following information:

(a) the date, time, and duration of the *Event;*

(b) the location of the *Event;*

(c) the measured or estimated volume of the *Event;*

(d) the reason for the *Event;* and

(e) the level of treatment the *Bypass(es)* and/or *Plant Overflow(s)* received and disinfection status of same .

(3) The *Owner* shall submit *Bypass and Plant Overflow Event Reports* to the Ministry's local office on a quarterly basis, no later than each of the following dates for each calendar year: February 14, May 15, August 14, and November 15. Event Reports shall be in an electronic format specified by the Ministry. In each Event Report the *Owner* shall include, at a minimum, the following information on any *Events* that occurred during the preceding quarter:

(a) the date of the *Event(s);*

(b) the measured or estimated volume of the *Event(s);*

(c) the duration of the *Event(s);*

(d) the location of the *Event(s);*

(e) the reason for the *Event(s);* and

(f) the level of treatment the *Bypass(es)* and/or *Plant Overflow(s)* received and disinfection status of same .

(4) The *Owner* shall maintain a logbook of all *Plant Bypasses* and *Plant Overflows,* which shall contain, at a minimum, the types of information set out in subsection 2 (a) to 2(e) in respect of each *Bypass* and *Plant Overflow.*

6. EFFLUENT OBJECTIVES

(1) The *Owner* shall use best efforts to design, construct and operate the *Works* with the objective that the concentrations of the materials named in Table 1 as effluent parameters are not exceeded in the effluent from the *Works.*

Table 1 - Effluent Objectives

Effluent Parameter	Concentration Objective (milligrams per litre unless otherwise indicated)
CBOD5	5.0
Total Suspended Solids	5.0
Total Phosphorus	0.30 **A** 0.60 **B**
Dissolved Oxygen	5.0
Unionized Ammonia	0.05

Note: A Period when stream temperature is greater than 5 o C; **B** Period when stream temperature is greater than 5 o C

(2) The *Owner* shall use best efforts to:

(a) maintain the pH of the effluent from the *Works* within the range of 6.5 to 8.5, inclusive, at all times;

(b) operate the works within the *Rated Capacity* of the *Works;*

(c) ensure that the effluent from the *Works* is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film or sheen or foam or discolouration on the receiving waters.

(3) Stipulation made in Conditions 7.2(a), (c) and (d) for the effluent limits applies for the effluent objective.

(4) The *Owner* shall include in all reports submitted in accordance with Conditions 10 a summary of the efforts made and results achieved under this Condition.

7. EFFLUENT LIMITS

(1) The *Owner* shall design and construct and operate and maintain the *Works* such that the concentrations of the materials named in Table 2 as effluent parameters are not exceeded in the effluent from the *Works.*

Table 2 - Effluent Limits		
Effluent Parameter	**Monthly Average Concentration** (milligrams per litre unless otherwise indicated)	**Monthly Average Loading** (kilograms per day unless otherwise indicated)
Column 1	Column 2	Column 3

CBOD5	10.0	18.32
Total Suspended Solids	10.0	18.32
Total Phosphorus	0.40 **A** 0.80 **B**	0.73 **A** 1.47 **B**
Dissolved Oxygen	4	/
Unionized Ammonia	0.1 **C**	/

Note: A Period when stream temperature is greater than 5 o C; **B** Period when stream temperature is greater than 5 o C; **C** Single Sample result

(2) For the purposes of determining compliance with and enforcing subsection (1):

(a) The *Monthly Average Concentration* of *CBOD5* , Total Suspended Solids and Total Phosphorus as named in Column 1 of Table 2 of subsection (1) shall not exceed the corresponding maximum concentration set out in Column 2 of Table 2 of subsection (1).

(b) The *Monthly Average Loading* of *CBOD5* , Total Suspended Solids and Total Phosphorus as named in Column 1 of Table 2 of subsection (1) shall not exceed the corresponding maximum concentration set out in Column 3 of Table 2 of subsection (1).

(c) The calculated concentration of Unionized Ammonia, as named in Column 1 of Table 2 of subsection (1) shall not exceed the corresponding maximum concentration set out in Column 2 of Table 2 of subsection (1) in any single sample.

(d) The *Monthly Average Concentration* of Dissolved Oxygen as named in Column 1 of Table 2 of subsection (1) shall not be less than the corresponding concentration set out in Column 2 of Table 2 of subsection (1).

(e) The pH of the effluent shall be maintained within 6.0 to 9.5 at all times.

(3) Paragraphs (a), (b), (c) and (e) of subsection (2) shall apply upon the issuance of this Approval.

(4) The effluent limits set out in subsection (1) shall apply upon the issuance of this Approval.

(5) Only those monitoring results collected during the corresponding time period shall be used in calculating the *Monthly Average Concentration* for this *Approval* .

8. OPERATION AND MAINTENANCE

(1) The *Owner* shall exercise due diligence in ensuring that, at all times, the *Works* and the related equipment and appurtenances used to achieve compliance with this *Approval* are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this *Approval* and the *Act* and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the *Works.*

(2) The *Owner* shall prepare an operations manual **within six (6) months** of *Substantial Completion*

of the *Proposed Works* , that includes, but not necessarily limited to, the following information:

(a) operating procedures for routine operation of the *Works;*

(b) inspection programs, including frequency of inspection, for the *Works* and the methods or tests employed to detect when maintenance is necessary;

(c) repair and maintenance programs, including the frequency of repair and maintenance for the *Works;*

(d) procedures for the inspection and calibration of monitoring equipment;

(e) a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the *Water Supervisor;* and

(f) procedures for receiving, responding and recording public complaints, including recording any followup actions taken.

(3) The *Owner* shall maintain the operations manual current and retain a copy at the location of the *Works* for the operational life of the *Works.* Upon request, the *Owner* shall make the manual available to *Ministry* staff.

(4) The *Owner* shall provide for the overall operation of the *Works* with an operator who holds a licence that is applicable to that type of facility and that is of the same class as or higher than the class of the facility in accordance with Ontario Regulation 129/04.

9. MONITORING AND RECORDING

The *Owner* shall, upon commencement of operation of the *Works,* carry out the following monitoring program:

(1) All samples and measurements taken for the purposes of this *Approval* are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.

(2) For the purposes of this condition, the following definitions apply:

(a) Daily means once each day;
(b) Monthly means once every month;

(3) Samples shall be collected at the following sampling points, at the frequency specified, by means of the specified sample type and analyzed for each parameter listed and all results recorded:

Table 3 - Raw Sewage Monitoring (Samples to be collected at the head of the inlet works)		
Parameters	**Sample Type**	**Frequency**
BOD5	*Grab Sample*	Monthly
Total Suspended Solids	*Grab Sample*	Monthly
Total Phosphorus	*Grab Sample*	Monthly
Total Kjeldahl Nitrogen	*Grab Sample*	Monthly

Table 4 - Effluent Monitoring (Samples to be collected at the outlet of the tertiary treatment filter)		
Parameters	**Sample Type**	**Frequency**
CBOD5	*Grab Sample*	Twice a month
Total Suspended Solids	*Grab Sample*	Twice a month
Total Phosphorus	*Grab Sample*	Twice a month
Total Ammonia Nitrogen	*Grab Sample*	Twice a month
E. Coli	*Grab Sample*	Twice a month
pH	*Grab Sample* /Probe	Twice a month
Temperature	*Grab Sample* /Probe	Twice a month

(4) The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:

(a) the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only)", as amended from time to time by more recently published editions;

(b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions; and

(c) the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.

(5) The temperature and pH of the effluent from the *Works* shall be determined in the field at the time of sampling for Total Ammonia Nitrogen. The concentration of Un-ionized Ammonia shall be calculated using the Total Ammonia Nitrogen concentration, pH and Temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for Ammonia (un-ionized).

(6) If the calculated value of Un-ionized Ammonia in the final effluent exceeds 0.05 mg/L and/or the Dissolved Oxygen levels in the final effluent drop to less than 5.0 mg/L, then on-site testing shall be done daily until the Un-ionized Ammonia and Dissolved Oxygen values return to the aforementioned values. If the Un-ionized Ammonia and the Dissolved Oxygen levels reach non-compliance criteria as stipulated in Condition 7(1), Table 2, then the *Owner* shall notify the District Office and also provide remediation measures/procedures to be undertaken.

(7) Sampling locations may only be changed or abandoned and new locations may be added following commencement of operation if, in the opinion of the *Water Supervisor* , it is necessary to do so to

ensure representative samples are being collected.

(8) If the *Owner* monitors any of the effluent parameters required by subsection (3), at the designated locations and in accordance with subsection (4), more frequently than it is required by that condition, the analytical results of all such samples, both required and additional, shall be included in the calculating and reporting of the values required by this *Approval* , and increased frequency, or all dates of sampling, shall also be specified in the reports.

(9) The *Owner* shall install and maintain (a) continuous flow measuring device(s), to measure the flowrate of the effluent from the *Works* with an accuracy to within plus or minus 15 per cent (+/- 15%) of the actual flowrate for the entire design range of the flow measuring device, and record the flowrate at a *daily* frequency.

(10) The *Owner* shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the monitoring activities required by this *Approval.*

10. REPORTING

(1) **One week** prior to the start up of the operation of the *Proposed Works* , the *Owner* shall notify the *Water Supervisor* (in writing) of the pending start up date.

(2) **Ten (10) days** prior to the date of a planned *Bypass* being conducted pursuant to Condition 5 and as soon as possible for an unplanned *Bypass,* the *Owner* shall notify the *Water Supervisor* (in writing) of the pending start date, in addition to an assessment of the potential adverse effects on the environment and the duration of the *Bypass.*

(3) The *Owner* shall report to the *Water Supervisor* or designate, any exceedence of any parameter specified in Condition 7 orally, as soon as reasonably possible, and in writing within **seven (7) days** of the exceedence.

(4) In addition to the obligations under Part X of the Environmental Protection Act , the *Owner* shall, within **ten (10) working days** of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the *Water Supervisor* describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.

(5) The *Owner* shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to *Ministry* staff.

(6) The *Owner* shall prepare and submit to the *Water Supervisor,* a performance report, on an annual basis, within **ninety (90) days** following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the *Works* and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

(a) a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the *Works;*

(b) a description of any operating problems encountered and corrective actions taken;

(c) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the *Works;*

(d) a summary of any effluent quality assurance or control measures undertaken in the reporting period;

(e) a summary of the calibration and maintenance carried out on all effluent monitoring equipment;

(f) a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6;

(g) a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;

(h) a summary of any complaints received during the reporting period and any steps taken to address the complaints;

(i) a summary of all *Bypass,* spill or abnormal discharge events; and

(j) any other information the *Water Supervisor* requires from time to time.

11. LIMITED OPERATIONAL FLEXIBILITY

(1) The *Owner* may make *Modifications* to the *Works* in accordance with the terms and conditions of this *Approval* and subject to the Ministry's "Limited Operational Flexibility Criteria for Modifications to Sewage Works", included under Schedule A of this *Approval* , as amended.

(2) Sewage works under *Limited Operational Flexibility* shall adhere to the design guidelines contained within the Ministry's publication "Design Guidelines for Sewage Works 2008", as amended.

(3) The *Owner* shall ensure at all times, the *Works* and related equipment and appurtenances which are installed or used to achieve compliance are operated in accordance with all terms and conditions of this *Approval* .

(4) For greater certainty, the following are not permitted as part of *Limited Operational Flexibility:*

(a) *Modifications* to the *Works* that result in an increase of the *Rated Capacity* of the *Works;*

(b) *Modifications* to the *Works* that adversely affect the approved effluent quality criteria or the location of the discharge/outfall;

(c) *Modifications* to the *Works* approved under s.9 of the EPA, and

(d) *Modifications* to the *Works* pursuant to an order issued by the *Ministry.*

(5) Implementation of *Limited Operational Flexibility* is not intended to be used for piecemeal measures that result in major alterations or expansions.

(6) If the implementation of *Limited Operational Flexibility* requires changes to be made to the Emergency Response, Spill Reporting and Contingency Plan, the *Owner* shall provide a revised copy of this plan for approval to the local fire services authority prior to implementing *Limited Operational Flexibility* .

(7) For greater certainty, any alteration made under the *Limited Operational Flexibility* may only be carried out after other legal obligations have been complied with including those arising from the *Environmental Protection Act* , *Niagara Escarpment Planning and Development Act* , *Oak Ridges Moraine Conservation Act* , *Lake Simcoe Protection Act* and *Greenbelt Act.*

(8) Prior to implementing *Limited Operational Flexibility,* the *Owner* shall complete a *Notice of Modifications* describing any proposed *Modifications* to the *Works* and submit it to the *Water Supervisor.*

Schedule A

Limited Operational Flexibility Criteria for Modifications to Sewage Works

The *Modifications* to sewage works approved under an Environmental Compliance Approval (ECA) that are permitted under the *Limited Operational Flexibility* (LOF), are outlined below and are subject to the LOF conditions in the ECA . For clarity proposes, *Modifications* of equipment **does not** include process equipment where treatment unit operations occur, including but not limited to: screens, grit separators, blowers, oxygen diffusers, sludge thickeners and dewatering equipment, UV systems, chlorine contact tanks, bio-disks, digester gas handling systems, and process reactors.

Modifications of sewage works that are exempt from section 53 of the OWRA by O. Reg. 525/98 continue to be exempt and are not required to follow the notification process under this *Limited Operational Flexibility.* If there is a conflict between the list of sewage works listed below and the conditions in the ECA, the conditions in the ECA shall take precedence.

The following sewage works are permitted under *Limited Operational Flexibility,* and as per the conditions in the *Approval:*

1.0 Sewage Pumping Stations

1.1 Alter pumping capacity by adding or replacing equipment where new equipment is located within an existing sewage treatment plant site or an existing sewage pumping station site, where the facility rated capacity is not exceeded and while maintaining the existing flow process and/or treatment train, if applicable.

1.2 Replacing existing minor equipment with *Equivalent equipment* of different make and model, provided that there are no treatment process changes as a result of the replacement.

2.0 Inlet Works

2.1 Replacing existing minor equipment with *Equivalent equipment* of different make and model.

3.0 Sewage Treatment Process

3.1 Install or replace instrumentation or chemical dosage equipment for operational or maintenance purposes including replacing chemicals for pH adjustment or coagulants (non-toxic polymers) provided that there are no *Modifications* of treatment processes or other *Modifications* that may alter the intent of operations and may have negative impacts on *Works'* effluent quantity and quality.

3.2 Expansion of buffer zone between a sanitary sewage lagoon facility or land treatment area and adjacent uses where the buffer zone is entirely on the proponent's land.

3.3 Optimize existing sanitary sewage lagoons with the purpose to increase efficiency of treatment operations provided that existing sewage treatment plant rated capacity is not exceeded and where no land acquisition is required.

3.4 Replacing existing minor equipment with *Equivalent equipment* of different make and model, provided that there are no treatment process changes as a result of the replacement.

4.0 Sewage Treatment Process Outfall

4.1 Replacement of discharge pipe with similar pipe size provided that the outfall location is not changed.

5.0 Sanitary Sewers

5.1 Pipe relining and replacement with similar pipe size to the approved site location's existing sanitary sewers and forcemains sewage collection system. The sewer main *Modifications* shall **not** include **combined sewers** .

5.2 Sanitary gravity sewers and forcemains within the approved site location, except those with a nominal diameter greater than 1,200 mm.

6.0 Stormwater Management System

6.1 *Modifications* of stormwater management works to service the existing approved drainage area located within the site, provided that there is no increase in the average impervious area established in the original design and the discharges from the site will not exceed the attenuated flows established in the original design.

6.2 Installation of new oil grit separators.

7.0 Pilot Systems

7.1 Installation of pilot systems for new or existing technologies provided that:

(a) any effluent from the pilot system is discharged to the inlet of the main sewage treatment plant or hauled off-site for proper disposal,

(b) any effluent from the pilot system discharged to the inlet of the main sewage treatment plant does not significantly alter the composition/concentration of the influent sewage to be treated in the downstream process; and that it does not add any inhibiting substances to the downstream process, and

(c) the pilot system's duration be of up to a maximum of **two years** ; and a report with results is submitted to the *Director* and *Water Supervisor* **three months** after completion of the pilot project

Schedule B

Environmental Compliance Approval (ECA) supporting documents:

1. Environmental Study Report (dated September 1999), design report (dated January 2000), final plans and specifications prepared by Triton Engineering Services Limited;

2. Environmental Compliance Approval Application for Sewage Works dated September 10, 2013 signed by Dave Milliner, and cover letter submitted by Christine M. Furlong, P.Eng. of Triton Engineering Services Limited, Consulting Engineers , dated September 19, 2013;

3. Design Brief entitled "Community of Dundalk Sewage Treatment Works Energy Efficiency Upgrades", dated September, 2013 and prepared, Triton Engineering Services Limited; and

4. A set of Engineering Drawings entitled "Upgrades to Dundalk Sewage Lagoons Township of Southgate", Project No. 4607-00, dated September 2013.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the *Approval* and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this *Approval* the existence of this *Approval.*

2. Condition 2 is included to ensure that the *Works* are constructed in a timely manner so that standards applicable at the time of Approval of the *Works* are still applicable at the time of construction, to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to the approved works and to ensure that subsequent owners of the *Works* are made aware of the *Approval* and continue to operate the *Works* in compliance with it.

4. Condition 4 is included to ensure that the *Works* are constructed in accordance with the approval and that record drawings of the *Works* "as constructed" are maintained for future references.

5. Condition 5 is included to indicate that by-passes of untreated sewage to the receiving watercourse is prohibited, save in certain limited circumstances where the failure to *Bypass* could result in greater injury to the public interest than the *Bypass* itself where a *Bypass* will not violate the approved effluent requirements, or where the *Bypass* can be limited or otherwise mitigated by handling it in accordance with an approved contingency plan. The notification and documentation requirements allow the *Ministry* to take action in an informed manner and will ensure the *Owner* is aware of the extent and frequency of *Bypass* events.

6. Condition 6 is imposed to establish non-enforceable effluent quality objectives which the *Owner* is obligated to use best efforts to strive towards on an ongoing basis. These objectives are to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs and before the compliance limits of Condition 7 are exceeded.

7. Condition 7 is imposed to ensure that the effluent discharged from the *Works* to the receiver meets the *Ministry* 's effluent quality requirements thus minimizing environmental impact on the receiver and to protect water quality, fish and other aquatic life in the receiving water body.

8. Condition 8 is included to require that the *Works* be properly operated, maintained, funded, staffed and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. As well, the inclusion of a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the owner and made available to the *Ministry.* Such a manual is an integral part of the operation of the *Works.* Its compilation and use should assist the *Owner* in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for *Ministry* staff when reviewing the *Owner'* s operation of the work.

9. Condition 9 is included to enable the *Owner* to evaluate and demonstrate the performance of the *Works* , on a continual basis, so that the *Works* are properly operated and maintained at a level which is consistent with the design objectives and effluent limits specified in the *Approval* and that the *Works* does not cause any impairment to the receiving watercourse.

10. Condition 10 is included to provide a performance record for future references, to ensure that the *Ministry* is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this *Approval,* so that the *Ministry* can work with the *Owner* in resolving any problems in a timely manner.

11. Condition 11 is included to ensure that the *Works* are operated in accordance with the application and supporting documentation submitted by the *Owner* , and not in a manner which the *Director* has not been asked to consider. These conditions are also included to ensure that a Professional Engineer has reviewed the proposed *Modifications* and attests that the *Modifications* are in line with that of *Limited Operational Flexibility* , and provide assurance that the proposed *Modifications* comply with the Ministry's requirements stipulated in the terms and conditions of this *Approval,* MOE policies, guidelines, and industry engineering standards and best management practices.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 7585-4GYHR7 issued on March 16, 2000

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1 of the Environmental Protection Act
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal 's requirements for an appeal can**

be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or www.ert.gov.on.ca

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 2nd day of December, 2013

Edgardo Tovilla
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

YK/
c: DWMD Supervisor, MOE Owen Sound
Christine Furlong, P. Eng., Triton Engineering Services Limited

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Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

AMENDMENT TO ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 5657-9D9LYE
Notice No. 1
Issue Date: November 13, 2015

The Corporation of the Township of Southgate
185667 Grey County Road 9
Rural Route, No. 1
Dundalk, Ontario
N0C 1B0

Site Location: Dundalk Sewage Treatment Works
752015 Ida Street
Part Lots 238 and 239, Concession 2
Southgate Township, County of Grey

*You are hereby notified that I have amended Approval No. 5657-9D9LYE issued on December 2, 2013 for a full scale pilot project for a new fixed film Bio-Cord **TM** reactor technology at the Dundalk Sewage Treatment Works , as follows:*

PROPOSED WORKS:

Fixed Film Bio-Cord TM Reactors

Implementation of a full scale pilot project to assess the nutrient removal efficiency of a fixed film Bio-Cord **TM** reactor technology at the Dundalk Sewage Treatment Works consisting of the following:

Installation of approximately fifteen (15) fixed film Bio-Cord **TM** reactors to be placed at the influent entrance or effluent exit location of an existing Waste Stabilization Pond (Cell 3 or Cell 4);

Installation of an air blower station in a shipping container equipped with one (1) approximately 300 L/sec @ 35 kPa capacity air blower, air distribution pipes, and headers supplying air to each of the Bio-Cord **TM** reactors;

Including all controls and associated appurtenances.

TERMS AND CONDITIONS

The following term and conditions have been added to the existing Environmental Compliance Approval (ECA) No. 5657-9D9LYE issued on December 2, 2013:

12. EXPIRY OF APPROVAL OF THE PILOT PROJECT

(1) This Approval issued for the Full Scale Pilot Project shall expire on April 30, 2018.

(2) Within six (6) months of the expiry date of this Approval, the Owner shall either decommission the sewage works approved by this Approval or submit an application to the Director for amendment of the existing ECA No. 5657-9D9LYE to include the Pilot Project sewage works components as part of the existing Works.

13. REPORTING

(1) Within six (6) months of expiry date of this Approval, the Owner shall submit to the Water Supervisor and the Director a performance assessment report for the fixed film Bio-Cord **TM** reactor technology.

The reasons for this amendment to the Approval are as follows:

12. Condition 12 is added to ensure that the proposed full scale pilot project is conducted in a timely manner within the specified time period and decommissioned properly or integrated as part of the approved Work.

13. Condition 13 is added to ensure that the Ministry is provided with performance assessment report that can be used as future reference.

This Notice shall constitute part of the approval issued under Approval No. 5657-9D9LYE dated December 2, 2013

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal	AND	The Director appointed for the purposes of Part II.1 of the Environmental

655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

Protection Act
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 13th day of November, 2015

Fariha Pannu, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

SH/
c: DWMD Supervisor, MOECC Owen Sound
Rene Hawkes, Bishop Water Technologies

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Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

AMENDMENT TO ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 5657-9D9LYE
Notice No. 2
Issue Date: March 28, 2018

The Corporation of the Township of Southgate
185667 Grey County Road 9
Rural Route, No. 1
Dundalk, Ontario
N0C 1B0

Site Location: Dundalk Sewage Treatment Works
752015 Ida Street
Lot Part Lots 238 and 239, Concession 2
Southgate Township, County of Grey

You are hereby notified that I have amended Approval No. 5657-9D9LYE issued on December 2, 2013 for a full scale pilot project for a new fixed film Bio-Cord ™ reactor technology at the Dundalk Sewage Treatment Works , as follows:

PROPOSED WORKS:

Fixed Film Bio-Cord ™ Reactors

Implementation of a full scale pilot project to assess the nutrient removal efficiency of a fixed film Bio-Cord ™ reactor technology at the Dundalk Sewage Treatment Works consisting of the following:

Installation of additional five (5) fixed film Bio-Cord ™ reactors to be placed at the influent entrance or effluent exit location of an existing Waste Stabilization Pond - Cell 2;

Including all controls and associated appurtenances.

EXISTING WORKS APPROVED ON NOVEMBER 13, 2015:

Fixed Film Bio-Cord ™ Reactors

Implementation of a full scale pilot project to assess the nutrient removal efficiency of a fixed film Bio-Cord ™ reactor technology at the Dundalk Sewage Treatment Works consisting of the following:

Installation of ten (10) fixed film Bio-Cord ™ reactors to be placed at the influent entrance or effluent exit location of an existing Waste Stabilization Pond - Cell 2;

Installation of an air blower station in a shipping container equipped with one (1) approximately 300 L/sec @ 35 kPa capacity air blower, air distribution pipes, and headers supplying air to each of the Bio-Cord TM reactors;

Including all controls and associated appurtenances.

TERMS AND CONDITIONS

The following term and conditions have been added to the existing Environmental Compliance Approval (ECA) No. 5657-9D9LYE issued on December 2, 2013:

12. EXPIRY OF APPROVAL OF THE PILOT PROJECT

(1) This Approval issued for the Full Scale Pilot Project shall expire on April 30, 2021.

(2) Within six (6) months of the expiry date of this Approval, the Owner shall either decommission the sewage works approved by this Approval or submit an application to the Director for amendment of the existing ECA No. 5657-9D9LYE to include the Pilot Project sewage works components as part of the existing Works.

13. REPORTING

(1) Within six (6) months of expiry date of this Approval, the Owner shall submit to the District Manager and the Director a performance assessment report for the fixed film Bio-Cord TM reactor technology.

The reason(s) for this amendment to the Approval is (are) as follows:

12. Condition 12 is added to ensure that the proposed full scale pilot project is conducted in a timely manner within the specified time period and decommissioned properly or integrated as part of the approved Work.

13. Condition 13 is added to ensure that the Ministry is provided with performance assessment report that can be used as future reference.

This Notice shall constitute part of the approval issued under Approval No. 5657-9D9LYE dated December 2, 2013 and revokes and replaces Notice No. 1 of ECA No. 5657-9D9LYE issued on November 13, 2015.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance

approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal 655 Bay Street, Suite 1500 Toronto, Ontario M5G 1E5	AND	The Director appointed for the purposes of Part II.1 of the Environmental Protection Act Ministry of the Environment and Climate Change 135 St. Clair Avenue West, 1st Floor Toronto, Ontario M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or** www.ert.gov.on.ca

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 28th day of March, 2018

Fariha Pannu, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

SH/
c: DWMD Supervisor, MOECC Owen Sound
Christine Furlong, Triton Engineering Services Limited