

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 0374-D72L2X

Issue Date: September 20, 2024

Convertus Canada Ltd.
50 Garfield Wright Blvd
East Gwillimbury, Ontario
L0G 1V0

Site Location: 50 Garfield Wright Boulevard
East Gwillimbury Town, Regional Municipality of York
L0G 1V0

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-hectare waste disposal site (processing) to receive, temporarily store and process in an anaerobic digestion facility up-to a maximum of 200 tonnes of the liquid Organic Waste per day, 1,800 tonnes of the solid Organic Waste per day, and 200,000 tonnes of solid and liquid Organic Waste per year. The anaerobic digestion facility will produce Renewable Natural Gas estimated at a maximum rate of 20,000,000 normalized cubic metres per year for injection into the natural gas distribution infrastructure and liquid digestate estimated at a maximum rate of 240,000 tonnes per year for use as a soil nutrient or a fertilizer.

The waste disposal site comprises the following receipt, storage and processing areas:

- Process Building comprising the following waste management processes, working areas and equipment:
 - Receiving Hall for truck/trailer access for receiving of the Organic Waste and opening of Organic Waste bags:
 - four (4) receiving bay doors, each equipped with an air curtain, for the Organic Waste truck/trailer access and for receipt of the solid IC&I Organic Waste in bins and totes;
 - one (1) bay door, for emergency removal of the Rejected Waste from the Site;

- o one (1) Waste Tipping Pit;
 - o one (1) shredder to open bags;
 - o a magnetic belt for ferrous metals removal; and
 - o an eddy current separator for non-ferrous metals removal.
- Processing Hall for pre-processing, unloading of IC&I Organic Waste, Pasteurization, Digestate screening, loading of Digestate, and Residual Waste management:
 - o one (1) intermediate feed hopper,
 - o up-to five (5) de-packing lines for Organic Waste pre-processing;
 - o five (5) bay doors, for Digestate, IC&I Organic Waste, Digestate Screenings and Residual Waste truck/trailer access;
 - o dedicated areas for unloading of IC&I Organic Waste, and loading of Digestate and Residual Waste for transport off-Site;
 - o four (4) Pasteurization Tanks, including heat exchangers and pumps for Anaerobic Digester Output Pasteurization;
 - o Digestate Screening Room with screenings compaction container;
 - o screw presses for de-watering of Residual Waste from Organic Waste pre-processing;
 - o up-to two (2) compactors for compaction of Residual Waste;
 - Optional washing station for washing IC&I Organic Waste bins and totes within the Receiving Hall or the Processing Hall;
- The following air pollution controls, including odour control systems/equipment:
 - o ventilation system, that maintains negative air pressure in the Process Building and collects odourous air from the source extraction points that include, as a minimum, the following areas:
 - the Receiving Hall
 - the Processing Hall
 - the Air Treatment Hall

and discharging the odourous air into the Air Pollution Control Systems.

- o one (1) sulphuric acid scrubber to pre-treat air from the Pasteurization Tanks and the Digestate Screening Area and discharging into the Air Pollution Control Systems;
- o two (2) Regenerative Thermal Oxidizer (RTO) Units to pre-treat the air displaced from the Slurry Storage Tanks and the IC&I Tanks by removing hydrogen sulphide and volatile organic compounds prior to discharging into the Air Pollution Control Systems;
- o two (2) parallel identical Air Pollution Control Systems, each consisting of a dust filter, UV reactor and an activated carbon filter to treat the contaminated air collected through the ventilation system and from the sulphuric acid scrubber and the RTO Units;

■ The following outdoor tanks and vessels:

- up-to nine (9) IC&I Tanks, each equipped with a mixer, an optional heating system, an air-tight roof and connection to the RTO Units;
- up-to four (4) Slurry Storage Tanks, each equipped with a mixer, an air-tight roof and connection to the RTO Units;
- up-to four (4) Anaerobic Digesters, each having an internal heating system, sulphur removal system and multiple mixers and equipped with a double membrane roof and small in-line activated carbon filter(s) to treat the air between the membranes;
- up-to two (2) fully mixed Digestate Storage Tanks, each equipped with a double membrane roof and a small in-line activated carbon filter to treat the air between the membranes;

■ Biogas Management System, located outdoors and comprising the following processes, working areas and equipment:

- one (1) Biogas Pre-Treatment System consisting of a biogas cooler, blower, two (2) activated carbon filters to remove hydrogen sulphide, at least one (1) activated carbon filter to remove volatile organic compounds, and an optional temperature swing adsorption unit for removal of volatile organic compounds and siloxanes, from raw biogas;
- one (1) Biogas Upgrading System using membrane separation process to produce Renewable Natural Gas from Biogas, by separating methane from carbon dioxide;
- Renewable Natural Gas compression to meet the pipeline feed-in station pressure

requirements;

- Optional Carbon Dioxide liquefying system, located outdoors and comprising the equipment to upgrade, compress and store carbon dioxide for distribution off-site for beneficial use;
- one (1) Waste Gas Burner, located outdoors and operating as a stand-by Biogas or a Renewable Natural Gas combustion control device, exhausting to the atmosphere;
- three (3) dual-fuel boilers, two (2) duty, and one (1) standby, firing natural gas and Biogas, to provide process heat, and exhausting to the atmosphere;
- One (1) stormwater pond, equipped with an oil/grit separator, discharging to the natural surface water body.

to be used for processing of the following types of waste generated in the Province of Ontario:

- solid non-hazardous Organic Waste, and
- liquid non-hazardous Organic Waste;

all derived from plants or animals, listed in Condition 3.1(2) of this Approval, from residential (domestic), industrial, commercial and institutional sources and all readily biodegradable and suitable for anaerobic digestion.

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:

"Adverse Effect" as defined in the EPA;

"Air Treatment Hall" means the enclosed area of the Process Building where some of the air pollution control equipment is housed, as proposed and described in the Owner's application, this Approval and in the Supporting Documentation, to the extent approved by this Approval;

"Air Treatment System" means the air pollution control equipment approved under this Approval and the Air/Noise Approval;

"Air/Noise Approval" means the environmental compliance approval and any Schedules attached to it, including the application and its supporting documentation for activities set out in section 9 of the EPA and carried out at the Site;

"Anaerobic Digester(s)" means the Anaerobic Digester vessel(s) used for Anaerobic Digestion of the approved Organic Waste and as defined in Regulation 347 and as proposed and described in the Owner's

application, this Approval and in the Supporting Documentation, to the extent approved by this Approval;

"Anaerobic Digestion Output" means the liquid processed organic waste that results from the treatment of the approved Organic Waste in the Anaerobic Digester(s);

"Anaerobic Digestion Wastes" means the mixture of the Organic Waste destined for Anaerobic Digestion at the Site;

"Anaerobic Digestion" means decomposition of organic matter by microorganisms in an oxygen-limiting environment. Within the context of this Approval, Anaerobic Digestion means treatment of the Organic Waste in the Anaerobic Digesters;

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

"bar" is a unit of pressure;

"Biogas Management System" means the equipment in the Biogas Pre-Treatment System and in the Biogas Upgrading System;

"Biogas Pre-Treatment System" means the equipment to remove moisture, H₂S, VOCs and siloxanes from Biogas as described in the Owner's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval and the Air/Noise Approval;

"Biogas Upgrading System" means the Biogas upgrader and any associated gas treatment equipment described in the Owner's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval and the Air/Noise Approval;

"Biogas" means the gaseous waste generated from microbial biodegradation of the approved Organic Waste conducted under anaerobic conditions and has the physical attributes and the chemical composition, in particular the methane and carbon dioxide content, of a gas considered to be a biogas by the biogas industry;

"CFIA" means the Canadian Food Inspection Agency;

"Clean-Out Material" means the material removed from the Anaerobic Digesters, the Pasteurization Tanks or the Digestate Storage Tanks due to floating or settling of the material and that has been recovered as part of maintenance of the Anaerobic Digesters, the Pasteurization Tanks or the Digestate Storage Tanks;

"cm²" means square centimetre(s);

"**cm³**" means cubic centimetre(s);

"**CO₂**" means Carbon Dioxide

"**Composite Sample**" means a sample that is made up of a number of Laboratory Service Provider grab samples from a single sample container that have been thoroughly mixed together;

"**Digestate**" is a processed organic waste as defined in Regulation 347 and within the context of this Approval it means the liquid output from the Pasteurization Tanks and the Digestate Storage Tanks;

"**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 York Durham District Office of the Ministry or such other official of the Ministry as may be assigned the duties of the District Manager;

"**EASR**" means the Environmental Activity and Sector Registry;

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

"**Equipment**" means the equipment for processes described in the Owner's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;

"**Facility**" means the entire operation located on the property where the Equipment is located;

"**Fertilizer**" means any substance or mixture of substances, containing nitrogen, phosphorus, potassium or other plant food, that is manufactured, sold or represented for use as a plant nutrient, as defined in the Fertilizers Act;

"**Fertilizers Act**" means the *Fertilizers Act*, R.S., 1985, c-F-10, as amended;

"**Final Disposal**" within the context of this Approval means land disposal and thermal treatment, both as defined in Regulation 347, and does not include handling, storing, transferring, treating or processing of waste at a land disposal or a thermal treatment site;

"**Financial Assurance**" is as defined in Section 131 of the EPA;

"**FOG**" means fats, oils and grease, of plant and animal origin, and accompanying food residuals collected from grease interceptors and/or grease traps at food production, food processing and/or food wholesale and retail facilities;

"**Foreign Matter**" within the context of this Approval means materials that include but are not limited to glass, metallic objects, plastic and other foreign objects that are not typically considered naturally

occurring;

"**H₂S**" means hydrogen sulphide;

"**Human Body Waste**" means waste derived from or containing wastes from the human body, limited to used diapers, used incontinence products and used sanitary products collected through the municipal source separated waste collection programs or the IC&I collection programs;

"**IC&I**" means industrial, commercial and institutional;

"**kg**" means kilogram;

"**Laboratory Service Provider**" means a laboratory service provider that is accredited by an internationally recognized accreditation body which accredits laboratories under ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*, as amended from time to time, including the Standards Council of Canada or the Canadian Association for Laboratory Accreditation;

"**m²**" means square metre(s);

"**m³**" means cubic metre(s);

"**Malfunction**" means any sudden, unplanned, infrequent and not reasonably preventable failure of the equipment associated with maintaining or monitoring negative pressure and/or negative air balance in the Process Building, excluding failures that may be caused in part by poor maintenance or negligent operation or failure of the equipment associated with any Organic Waste processing/treatment resulting in non-compliance with the requirements of this Approval;

"**Manual**" means a document or a set of documents that provide written instructions to staff of the Owner;

"**mesophilic**" means Anaerobic Digestion treatment temperature of up-to 40 degrees Celsius, as proposed in the Supporting Documentation;

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

"**mL**" means millilitre;

"**NASM Plan Site**" means a site has an approved NASM Plan within the meaning of O. Regulation 267/03;

"**NASM**" means non-agricultural source materials as defined in and within the meaning of O. Regulation

267/03;

"**NMA**" means the *Nutrient Management Act*, 2002, S.O. 2002, c. 4, as amended;

"**O. Regulation 267/03**" means Ontario Regulation 267/03, General, made under the NMA, as amended;

"**°C**" means degrees Celsius;

"**Off-Farm Anaerobic Digestion Materials**" is as defined in O. Regulation 267/03 and Regulation 347;

"**Organic Waste**" means solid and liquid non-hazardous organic waste derived from plants or animals, readily biodegradable and suitable for microbial biodegradation conducted under anaerobic conditions, and as further described in Condition 3.1 of this Approval. Solid Organic Waste means a municipal waste as defined in Regulation 347. Liquid Organic Waste means a liquid waste as defined in Regulation 347;

"**Owner**" means Convertus Canada Ltd. that is responsible for the establishment and operation of the Site being approved by this Approval, any contractors that work on behalf of the Owner and includes any successors and assigns;

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

"**PA**" means the *Pesticides Act*, R.S.O. 1990, c.P. 11, as amended;

"**Pasteurization Tanks**" means the pasteurization tanks and the associated tubing used for heat treatment for pathogen inactivation, as proposed and described in the Owner's application, this Approval and in the Supporting Documentation, to the extent approved by this Approval;

"**Pasteurization**" means a process where through time and heat treatment pathogens are inactivated to comply with the prescribed limits;

"**Phase 1**" means the initial phase of the Site development as approved under this Approval and as further specified in Conditions 1.2(2) and 1.2(4);

"**Phase 2**" means the final phase of the Site development as approved under this Approval to construct the 3rd and 4th Slurry Storage Tanks, 4th Anaerobic Digester, and 2nd Digestate Storage Tank and the 3rd boiler, and as further specified in Conditions 1.2(3) and 1.2(5);

"**Process Building**" means the building where the Organic Waste is received, temporarily stored and pre-processed, prior to transfer to the Slurry Storage Tanks and the Anaerobic Digesters, as proposed and described in the Owner's application, this Approval and in the Supporting Documentation, to the extent approved by this Approval;

"Processed Organic Waste" is as defined in Regulation 347. Processed Organic Waste produced at the Site does not include sewage residue from sewage works that are subject to the provisions of the OWRA;

"Processing Hall" means the enclosed area of the Process Building where the solid Organic Waste is pre-processed and temporarily stored prior to transfer to the Slurry Storage Tanks, the IC&I Organic Waste is unloaded, the Digestate is pasteurized and screened in an enclosed area, and the Residual Waste is managed, as proposed and described in the Owner's application, this Approval and in the Supporting Documentation, to the extent approved by this Approval;

"Professional Engineer" means a Professional Engineer as defined within the Professional Engineers Act, R.S.O. 1990, c. P.28, as amended;

"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 the PA or Section 4 of the NMA or Section 8 of the SDWA;

"Receiving Hall" means the enclosed area of the Process Building where the solid Organic Waste is to be received, pre-processed and transferred to the Processing Hall, as proposed and described in the Owner's application, this Approval and in the Supporting Documentation, to the extent approved by this Approval;

"Regulation 347" means Regulation 347, R.R.O. 1990, General - Waste Management, made under the EPA, as amended;

"Rejected Waste" means the incoming load inadvertently received at the Site and deemed by the Owner to be waste that does not meet the incoming Waste quality criteria set out in this Approval or that cannot be processed;

"Renewable Natural Gas" means the Biogas upgraded in the Biogas Upgrading System and destined for injection into the natural gas distribution infrastructure;

"Residual Waste" means the waste resulting from the processing of the incoming Organic Waste at the Site and which requires Final Disposal or further processing off-Site;

"RTO Units" means Regenerative Thermal Oxidizer Units as proposed and described in the Owner's application, this Approval and in the Supporting Documentation, to the extent approved by this Approval and the Air/Noise Approval;

"Sampling and Analysis Protocol" means the document entitled "Sampling and Analysis Protocol for Ontario Regulation 267/03 made under the Nutrient Management Act, 2002", prepared by the Ministry of Agriculture, Food and Rural Affairs and the Ministry of the Environment, Conservation and Parks and dated July 1, 2021, as amended;

"**SDWA**" means the *Safe Drinking Water Act*, 2002, S.O. 2002, c. 32, as amended;

"**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 Site, including one or a combination of:

- commercial areas where there are continuous human activities (e.g.: commercial plazas and office buildings);
- institutional facilities (e.g.: schools, churches, community centres, day care centres, recreational centres, etc.),
- outdoor public recreational areas (e.g.: trailer parks, play grounds, picnic areas, etc.), and
- private residences or public facilities where people sleep (e.g.: single and multi-unit dwellings, nursing homes, hospitals, trailer parks, camping grounds, etc.);

"**Sewage Works Approval**" the sewage works for activities set out in section 53 of the OWRA and approved under the Sewage Works Approval NUMBER 1655-CYBME5 and dated March 28, 2024, as amended and/or revoked/replaced;

"**sewage works**" is a facility within the meaning of the OWRA;

"**Site**" means the entire 5-hectare waste disposal site, located at 50 Garfield Wright Boulevard in East Gwillimbury, Ontario, and as shown in the Supporting Documentation;

"**Slump Test**" means the Test Method for the Determination of Liquid Waste set out in Schedule 9 of Regulation 347;

"**Spill**" is as defined in the EPA;

"**SSO**" means the source separated Organic Waste which consists of the Organic Waste suitable for Anaerobic Digestion, which has been separated at its source of origin by the generator of the waste and including the bags used by the generator to encase the Organic Waste at the source of generation;

"**Supporting Documentation**" means the documentation listed in the attached Schedule 1;

"**Trained Personnel**" means one or more Site personnel trained in accordance with the requirements of Condition 11.2. including an employee trained or knowledgeable through instruction and/or practice and able to carry out any necessary duties related to management of the Waste as approved in this Approval;

"**Trucks**" means the reagent truck(s) and the waste truck(s);

"**VOCs**" means volatile organic compounds;

"**Waste Gas Burner**" means the combustion equipment and any associated equipment described in the Owner's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval and the Air/Noise Approval;

"**Waste Tipping Pit**" means the pit where the incoming solid Organic Waste is temporarily deposited when received at the Site prior to subsequent transfer to the shredder, as proposed and described in the Owner's application, this Approval and in the Supporting Documentation, to the extent approved by this Approval;

"**Waste**" means the waste approved for receipt at the Site and waste in-process; and

"**waste**" within the context of this Approval, it means any material defined as a waste or designated to be a waste under any Ontario regulation or any other discarded, unwanted, unsuitable for its original use or purpose (for example off-specification or expired) post-consumer goods, items or materials. Any outputs from processing/treatment of waste at a waste disposal site continue to be considered waste.

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 GENERAL

1.1 Compliance

- (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.
- (2) Any person authorized to carry out work on or operate any aspect of the Site shall comply with the conditions of this Approval.

1.2 Build, etc. in Accordance

- (1) The Site shall be constructed, and the approved Phase 1 equipment shall be installed and must commence operation, within five (5) years of issuance of this Approval and approved Phase 2 equipment shall be installed and must commence operation within ten (10) years of the issuance of this Approval, after which time the Approval ceases to apply in respect of any portions of the Site not in operation. In the event that the construction, installation and/or operation of any portion of the Site is anticipated to be delayed beyond the time period stipulated, the Owner shall submit to the Director an application to amend the Approval to extend this time period, at least six (6) months prior to the end of the period. The amendment application shall include the

reason(s) for the delay and whether there is any design change(s).

Waste Limits

- (2) This Approval is for the following Organic Waste Limit for Phase 1:
- a. receipt and processing of up-to 170,000 tonnes of Organic Waste per year;
 - b. generation of up-to approximately 27,000,000 normalized cubic metres of Biogas per year;
and
 - c. generation of up-to approximately 200,000 tonnes of Digestate per year.
- (3) This Approval is for the following Organic Waste Limit for Phase 2:
- a. receipt and processing of up-to 200,000 tonnes of Organic Waste per year;
 - b. generation of up-to approximately 32,000,000 normalized cubic metres of Biogas per year;
and
 - c. generation of up-to approximately 240,000 tonnes of Digestate per year.

Phase 1 Construction and Equipment

- (4) This Approval is for the Site construction and installation of the following equipment, tanks/vessels and working areas required in Phase 1:
- a. construction, installation and operation of the following processes, working areas and equipment in the Process Building encompassing the following:
 - i. Receiving Hall for truck/trailer access for receiving of the Organic Waste and opening of Organic Waste bags encompassing the following:
 - A. four (4) receiving bay doors, each equipped with an air curtain, for the Organic Waste truck/trailer access and for receipt of the solid IC&I Organic Waste in bins and totes;
 - B. one (1) bay door, for emergency removal of the Rejected Waste from the Site;
 - C. one (1) Waste Tipping Pit;
 - D. one (1) shredder to open bags;
 - E. a magnetic belt for ferrous metals removal; and

- F. an eddy current separator for non-ferrous metals removal.
- ii. Processing Hall for pre-processing, unloading of IC&I Organic Waste, Pasteurization, Digestate screening, loading of Digestate, and Residual Waste management:
 - A. one (1) intermediate feed hopper,
 - B. five (5) bay doors, for Digestate, IC&I Organic Waste, Digestate Screenings and Residual Waste truck/trailer access;
 - C. dedicated areas for unloading of IC&I Organic Waste, and loading of Digestate and Residual Waste for transport off-Site;
 - D. four (4) Pasteurization Tanks, including heat exchangers and pumps for Anaerobic Digester Output Pasteurization;
 - E. Digestate Screening Room with screenings compaction container;
 - F. screw presses for de-watering of Residual Waste from Organic Waste pre-processing;
 - G. up-to two (2) compactors for compaction of Residual Waste from Organic Waste pre-processing.
- iii. Optional washing station for washing IC&I Organic Waste bins and totes within the Receiving Hall or the Processing Hall.
- iv. Air Pollution Control and Equipment/Odour Control System encompassing the following:
 - A. ventilation system, that maintains negative air pressure in the Process Building and collects odourous air from the source extraction points that include, as a minimum, the following sources in the Receiving Hall, the Processing Hall and the Air Treatment Hall, all discharging the odourous air to the Air Pollution Control Systems;
 - B. one (1) sulphuric acid scrubber to pre-treat air from the Pasteurization Tanks and the Digestate Screening Area and discharging to the Air Pollution Control Systems;
 - C. two (2) RTO Units to pre-treat the air displaced from the Slurry Storage Tanks and the IC&I Tanks and discharging to the Air Pollution Control Systems;
 - D. two (2) parallel identical Air Pollution Control Systems, each consisting of a dust filter, UV reactor and an activated carbon filter to treat the contaminated air collected through the ventilation system and from the sulphuric acid scrubber and the RTO Units.

- b. Construction, installation and operation of the following outdoor tanks and vessels:
 - i. nine (9) IC&I Tanks, each equipped with a mixer, an air-tight roof, an optional heating system and connection to two (2) RTO Units for pre-treatment for H₂S and VOCs with one (1) RTO Unit discharging to the Air Pollution Control Systems;
 - ii. two (2) Slurry Storage Tanks, each with an equipped mixer and an air-tight roof and connection to two (2) RTO Units for pre-treatment for H₂S and VOCs with one (1) RTO Unit discharging to the Air Pollution Control Systems;
 - iii. three (3) Anaerobic Digesters, each equipped with a double membrane roof, an internal heating system, a sulphur removal system, multiple mixers and small in-line activated carbon filter(s) to treat the air between the membranes, discharging to the atmosphere;
 - iv. one (1) fully mixed Digestate Storage Tank, equipped with a double membrane roof and a small activated carbon filter to treat the air between the membranes, discharging to the atmosphere.
- c. Construction, installation and operation of the Biogas Management System, located outdoors and comprising the following processes, working areas and equipment:
 - i. one (1) Biogas Pre-Treatment System consisting of a biogas cooler, two (2) activated carbon filters to remove hydrogen sulphide, at least one (1) activated carbon filter to remove VOCs, and an optional temperature swing adsorption unit for removal of VOCs and siloxanes, from raw biogas;
 - ii. one (1) Biogas Upgrading System using membrane separation process to produce Renewable Natural Gas from Biogas, by separating carbon dioxide from methane.
 - iii. Renewable Natural Gas compression to meet the renewable natural gas feed-in station pressure requirements.
- d. Construction, installation and operation of the optional CO₂ liquefying system, located outdoors and comprising the equipment to upgrade, compress and store CO₂ for distribution off-Site for beneficial use;
- e. Construction, installation and operation of the Waste Gas Burner, operating as a stand-by Biogas or a Renewable Natural Gas combustion control device; and
- f. Construction, installation and operation of the two (2) dual-fuel boilers firing natural gas and Biogas, to provide process heat, and exhausting to the atmosphere.

Phase 2 Construction and Equipment

- (5) This Approval is for the Site construction and installation of the following additional equipment and tanks/vessels required in Phase 2:
- a. two (2) additional Slurry Storage Tanks, each with an equipped mixer and an air-tight roof and connection to two (2) RTO Units for pre-treatment for H₂S and VOCs with one (1) RTO Unit, discharging to the Air Pollution Control Systems;
 - b. one (1) additional Anaerobic Digester, equipped with a double membrane roof, an internal heating system, sulphur removal systems, multiple mixers and a small, in-line activated carbon filter to treat the air between the membranes;
 - c. one (1) additional fully mixed Digestate Storage Tank, equipped with a double membrane roof and a small, in-line activated carbon filter to treat the air between the membranes;
and
 - d. one (1) additional dual-fuel boiler firing natural gas and Biogas, to provide process heat, and exhausting to the atmosphere.

1.5 Other Legal Obligations

- (1) 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; or
 - b. limit in any way the authority of the Ministry to require certain steps be taken or to require the Owner to furnish any further information related to compliance with this Approval.
- (2) Despite an Owner 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 or impairment of water quality.

1.6 Adverse Effect

- (1) The Site shall be constructed, operated and maintained in a manner which ensures the health and safety of all persons and prevents generation of negative impacts on the natural environment, including but not limited to dust, odours, vectors, pests, birds, litter, vibration, noise and any other negative environmental effects that may cause an Adverse Effect.
- (2) If at any time dust, including dust from vehicles leaving the Site, odours, vectors, pests, birds, litter, vibration, noise or other such negative environmental effects are generated at the Site and cause an Adverse Effect, the Owner shall take immediate and appropriate remedial action(s) that

is/are necessary to alleviate the Adverse Effect, including suspension of all waste management activities and removal of waste from the Site, if necessary.

- (3) The Owner shall take steps to minimize and ameliorate any Adverse Effect on the natural environment or impairment of water quality resulting from the approved operations at the Site, including such steps as accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.

1.7 Change of Owner and Operator

- (1) The Owner shall notify the Director in writing, and forward a copy of the notification to the District Manager, within thirty (30) days of the occurrence of any change in:
 - a. the ownership of the Site;
 - b. the operator of the Site;
 - c. the 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, as amended, shall be included in the notification; or
 - e. the name of the corporation where the Owner 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, as amended, shall be included in the notification.
- (2) The Owner shall notify the District Manager, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - a. change of address of the Operator; and
 - b. change of the Operator, including address of the new Operator.
- (3) 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. 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.

1.8 Inspections by the Ministry

- (1) No person shall hinder or obstruct a Provincial Officer from carrying out any and all inspections authorized by the OWRA, the EPA, the PA, the SDWA or the NMA of any place to which this

Approval relates, and without limiting the foregoing:

- a. to enter upon the premises where the approved processing is undertaken, 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;
- e. to conduct interviews with staff, contractors, agents and assignees of the Owner; and
- f. to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Approval or the EPA, the OWRA, the PA, the SDWA or the NMA.

1.9 Information and Record Retention

- (1) Any information requested by the Ministry, concerning the operation of the Site and its operation under this Approval, including but not limited to any records required to be kept by this Approval shall, upon request, be provided to the Ministry in a timely manner and in a format specified by the Ministry. All records shall be retained for five (5) years except as otherwise authorized in writing by the Director.
- (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.
- (3) The Owner shall ensure that a copy of this Approval, in its entirety and including all its Notices of Amendment, and the documentation listed in Schedule 1, are retained at the Owner's office and at the Site, at all times.

1.10 Financial Assurance

- (1) By September 1, 2026 or a minimum of sixty (60) days prior to the first receipt of Organic Waste at the Site, whichever comes first, the Owner shall submit to the Director, the Financial Assurance in the amount of CAN\$897,848.00. This Financial Assurance shall be in a form acceptable to the Director and shall provide sufficient funds for the transportation, Site clean-up

and disposal of all approved quantities of waste at the Site during Phase 1, at any one time.

- (2) A minimum of sixty (60) days prior to the date of the District Manager notification regarding commencement of Phase 2, the Owner shall submit to the Director, an estimate for additional Financial Assurance, for the costs of transportation, Site clean-up and disposal of the additional approved quantities of waste to be stored at the Site during Phase 2. This additional Financial Assurance estimate shall be supported by the quotes from independent waste management service providers.
- (3) Commencing on August 31, 2029 and at intervals of five (5) 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 1.10.(1) and 1.10(2). 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 thirty (30) calendar days of written acceptance of the re-evaluation by the Director.
- (4) The amount of Financial Assurance is subject to review at any time by the Director and may be amended at his/her discretion. 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.

1.11 Certificate of Requirement

- (1) Prior to dealing with the property in any way, the Owner shall provide a copy of this Approval and any amendments, to any person who will acquire an interest in the property as a result of the dealing.
- (2) Within ninety (90) calendar days from the date of issuance of this Approval, the Owner shall submit to the Director a completed Certificate of Requirement which shall include:
 - a. a plan of survey prepared, signed and sealed by an Ontario Land Surveyor, which shows the area of the Site where waste has been or is to be deposited at the Site or is or has been affecting the soil or the surface water or the groundwater at the Site;
 - b. proof of ownership of the Site;
 - c. a letter signed by a member of the Law Society of Upper Canada or other qualified legal practitioner acceptable to the Director, verifying the legal description provided in the Certificate of Requirement; and
 - d. the legal abstract of the property; and

- e. any supporting documents including a registerable description of the Site.
- (3) Within thirty (30) calendar days of receiving a Certificate of Requirement authorized by the Director, the Owner shall:
- a. register the Certificate of Requirement in the appropriate Land Registry Office on the title to the property; and
 - b. submit to the Director written verification that the Certificate of Requirement has been registered on title.

2.0 SIGNS and SITE SECURITY

2.1 Signs

- (1) The Owner shall ensure that a sign is posted at the entrance to the Site, readable from the nearest public roadway bordering the Site. The following information shall be included on the sign:
- a. name of the Owner and the Operator;
 - b. this Approval number;
 - c. normal hours of operation;
 - d. Owner's telephone number to which complaints may be directed;
 - e. Ministry's telephone numbers to which complaints may be directed;
 - f. Owner's twenty-four hour emergency telephone number (if different from above);
 - g. a warning against unauthorized access; and
 - h. a warning against dumping at the Site.
- (2) The Owner shall install and maintain appropriate and visible signs at the Site to direct vehicles to the Waste, including the Organic Waste, receiving areas and the Digestate and the Residual Waste removal areas.

2.2 Site Security

- (1) The Owner shall ensure that all Waste management activities carried out at the Site are supervised at all times by Trained Personnel.
- (2) The Owner shall ensure the Site is operated in a safe and secure manner, and that all Waste is properly handled, contained, or stored so as not to pose any threat to the general public and the Site personnel.
- (3) The Owner shall ensure that access to the Site is regulated and that the Site is secured to restrict access only to authorized personnel.
- (4) The Owner shall ensure that all Site entrances and buildings are gated and locked to restrict access only to authorized personnel when the Site is not open.

3.0 SERVICE AREA, APPROVED WASTE TYPES and RATES

3.1 Service Area and Approved Waste Types

- (1) The Owner shall only accept the approved Waste generated in the Province of Ontario.
- (2) The Owner is approved to receive the following Waste types at the Site:

a. Organic Waste from the following IC&I sources:

- i. bakeries;
- ii. confectionary processing facilities;
- iii. dairies and facilities that process dairy products;
- iv. fruit and vegetable processing facilities;
- v. cereal and grain processing facilities;
- vi. oil seed processing facilities;
- vii. snack food processing facilities;
- viii. snack food manufacturing facilities;
- ix. breweries and distillers grain;
- x. wineries;
- xi. beverage manufacturing facilities;
- xii. food processing facilities;
- xiii. grocery stores;
- xiv. food distribution companies;
- xv. milling facilities;
- xvi. fruit and vegetable packing facilities;
- xvii. pet food manufacturing;
- xviii. food waste from restaurants, food service facilities, correctional facilities;
- xix. alcohols (beer and other spirits);
- xx. organic waste from agricultural sources limited to non-putrescible animal feed and crop residues;
- xxi. food grade fats, oils and grease residues;
- xxii. production of ethanol or biodiesel; and
- xxiii. any other source allowed in writing by the District Manager.

b. SSO from the residential (domestic) curbside collection programs operated by a municipality or on behalf of a municipality and that may contain soiled diapers, soiled incontinence products, soiled sanitary products and pet wastes; and

c. SSO from the institutional generators including airports, hospitals, long-term homes and schools.

3.2 Prohibited Waste Types

- (1) The Site is not approved to receive the waste types that include:
- a. any waste that is classified as hazardous waste in accordance with Regulation 347;
 - b. any non-hazardous animal carcasses, including regulated dead animals as defined in O. Regulation 105/09: Disposal of Deadstock under the *Food Safety and Quality Act*, 2001, S.O. 2001, c.20;
 - c. any waste that is classified as "Specified Risk Materials" which has the same meaning as in section 6.1 of the *Health of Animals Regulations* (C.R.C., c. 296), made under the *Health of Animals Act* (S.C. 1990, c. 21), as amended;
 - d. any untreated septage as defined in O. Regulation 267/03 or hauled sewage as defined in Regulation 347;
 - e. any sewage sludge, which within the context of this Approval means the organic materials resulting from treatment of sewage containing human pathogens, including toilet or other bathroom waste, up-to but not including the anaerobic digestion processing step at sewage works, or any biosolids, which within the context of this Approval mean the organic materials resulting from treatment of sewage containing human pathogens, including toilet or other bathroom waste, including the anaerobic digestion processing step at sewage works, where the sewage works is subject to the requirements under the OWRA and,
 - i. means any works for the collection, transmission, treatment and disposal of sewage or any part of such works, but does not include plumbing to which the *Building Code Act*, 1992 applies; and
 - ii. is owned by a municipality or is privately-owned;
 - iii. is owned by the Crown or the Ontario Clean Water Agency, subject to an agreement with a municipality under the OWRA; or
 - iv. receives only waste similar in character to the sewage containing human pathogens, including toilet or other bathroom waste;
 - f. dedicated loads of soiled diapers, soiled incontinence products, soiled sanitary products and pet waste from the IC&I sources;
 - g. any liquid IC&I waste that does not meet the definition of the Organic Waste;
 - h. any SSO that contains or is suspected of containing plant or animal products or by-products taken from aircraft, passengers and/or crew of the aircraft arriving in Ontario; and
 - i. any SSO that contains or is suspected of containing plant or animal products or by-products taken from a vessel, passengers and/or crew of vessels arriving in Ontario.

3.3 Waste Receipt Rates

- (1) The Owner is approved to receive the Organic Waste in quantities that are not to exceed the following daily rates:
 - a. 200 tonnes of the liquid Organic Waste per day; and
 - b. 1,800 tonnes of the solid Organic Waste per day.
- (2) The Owner is approved to receive the Organic Waste in quantities that are not to exceed the following annual rates:
 - a. 170,000 tonnes of solid and liquid Organic Waste per year, in Phase 1; and
 - b. 200,000 tonnes of solid and liquid Organic Waste per year, in Phase 2.

4.0. SITE OPERATIONS

4.1 Operating Hours

- (1) The Owner shall ensure that the incoming Organic Waste and the chemical reagents are received and the Digestate is shipped from the Site only between the hours of,
 - a. Monday to Saturday 6:00 a.m. to 10:00 p.m.
- (2) The Owner is approved to undertake Organic Waste processing/management activities at the Site twenty-four (24) hours per day, seven (7) days per week.
- (3) The approved operating hours set out in Conditions 4.1(1) and 4.1(2) are subject to compliance with the applicable municipal by-laws.

4.2 Approved Organic Waste Management Activities

- (1) The following waste management activities are approved under this Approval:
 - a. receipt of the liquid and solid Organic Waste at the Site;
 - b. temporary storage of the incoming solid Organic Waste in the Waste Tipping Pit;
 - c. temporary storage of the incoming solid Organic Waste in the bins or totes;
 - d. temporary storage of the incoming liquid Organic Waste in nine (9) IC&I Tanks;
 - e. pre-processing of the Organic Waste, as follows:
 - i. shredding of the solid Organic Waste in a shredder;
 - ii. removal of ferrous metals with a magnetic belt;

- iii. removal of non-ferrous metals with an eddy current separator,
 - iv. mixing of the solid Organic Waste with the liquid Organic Waste in the de-packing system feed hopper and/or de-packing lines;
 - v. slurring of the Organic Waste in up-to five (5) de-packing lines;
 - vi. removal of grit and sediment from the Organic Waste Slurry in up-to five (5) sedimentation pits/tanks;
- f. transfer of the solid Residual Waste from the de-packing lines to two (2) compactors;
 - g. transfer of the pre-processed Organic Waste from the sedimentation pits/tanks into up-to four (4) Slurry Storage Tanks;
 - h. transfer of the Organic Waste from the Slurry Storage Tanks into up-to four (4) Anaerobic Digesters;
 - i. Anaerobic Digestion of the Organic Waste in the Anaerobic Digesters and temporary storage of the Biogas in the headspace of the Anaerobic Digesters;
 - j. screening of the Anaerobic Digestion Output from the Anaerobic Digesters;
 - k. Pasteurization of the Anaerobic Digestion Output in four (4) Pasteurization Tanks;
 - l. transfer of Pasteurized Anaerobic Digestion Output (Digestate) into up-to two (2) Digestate Storage Tanks;
 - m. temporary storage of the Digestate in up-to two (2) Digestate Storage Tanks and of the Biogas in the headspace of the Digestate Storage Tanks;
 - n. unloading of the Digestate into tanker trucks for transport to a site for the end-use as a Fertilizer or to a NASM Plan Site for the end-use as a NASM or to an approved waste disposal site;
 - o. Biogas pre-treatment in the Biogas Pre-Treatment System to remove moisture, H₂S, VOCs and siloxanes;
 - p. collection of the Biogas condensate in condensate pits and transfer to the Anaerobic Digesters or the Digestate Storage Tanks;
 - q. Biogas upgrading to Renewable Natural Gas in the Biogas Upgrading System;
 - r. venting of the tail gas from the Biogas Management System to the atmosphere as approved in

this Approval and in the Air/Noise Approval; and

- s. emergency flaring of the treated or untreated Biogas in the Waste Gas Burner during periods when the Biogas Pre-Treatment and Upgrading Systems are down or when Biogas generation exceeds the capacity of the Biogas cleaning and upgrading system or when Biogas generation from the Anaerobic Digesters requires flaring as approved in this Approval and in the Air/Noise Approval;
- t. three (3) dual-fuel hot water boilers firing natural gas and Biogas, to provide process heat, and exhausting to the atmosphere; and
- u. optional CO₂ liquefying system for off-Site distribution.

4.3 Incoming Waste Receipt

- (1) The Owner shall inspect all accompanying Organic Waste characterization documentation to ensure that only the Organic Waste that is approved under this Approval is received at the Site.
- (2) The incoming Organic Waste that has not been characterized in accordance with this Approval or that is not accompanied by the required documentation shall not be accepted at the Site and shall immediately be directed off-Site.
- (3) The Owner shall weigh all incoming and outgoing waste loads and shall establish and implement a waste screening and tracking system for all waste received, processed, stored at, and transferred from the Site.
- (4) As proposed in the Supporting Documentation, upon arriving at the Site, the Owner shall visually inspect all incoming solid Organic Waste loads, including the Organic Waste in bins and totes, prior to or upon unloading within the confines of the Receiving Hall.
- (5) When the Organic Waste is temporarily stored on the Waste Tipping Pit, the Trained Personnel again visually inspect the Organic Waste and shall remove large inorganic contaminants that cannot be processed with the separation equipment as proposed in the Supporting Documentation.
- (6) All incoming liquid Organic Waste loads shall be delivered directly to the IC&I Tanks via a cam-lock connection in the unloading docks within the Process Building.
- (7) The Owner shall ensure that all incoming Organic Waste that is received at the Site and handled in accordance with this Approval, is used as the feedstock in the Anaerobic Digesters.
- (8) In the event that Organic Waste cannot be processed at the Site and the Site is at its approved storage capacity, the Owner shall cease accepting additional Organic Waste. Receipt of additional Organic Waste may be resumed once such receipt complies with the storage limits

approved in this Approval.

4.4 Rejected Waste Management

- (1) In the event that a load of solid waste that does not meet the quality criteria from this Approval is inadvertently accepted in the Receiving Hall or the Rejected Waste constituent found in the load, the Owner shall ensure that this Rejected Waste:
 - a. is removed from the Waste Tipping Pit and is separated from other solid Organic Waste approved for receipt as proposed in the Supporting Documentation; and
 - b. is immediately removed from the Site or if immediate removal is not possible, is temporarily stored within the confines of the Receiving Hall at all times and is removed from the Site within forty-eight (48) hours of its receipt or as acceptable to the District Manager.
- (2) In the event that a load of liquid waste that does not meet the quality criteria from this Approval is inadvertently accepted at the Site and is mixed with the approved Organic Waste in the Liquid IC&I Storage Tank, the entire contents of the Tank shall be considered to be a Rejected Waste and the Owner shall ensure that this Rejected Waste is handled and removed from the Site in accordance with the contingency measures as required in Condition 12.0 of this Approval.
- (3) The Rejected Waste shall be shipped back to the generator or to a Ministry-approved waste disposal site for Final Disposal or further processing.
- (4) In the event of the receipt of the Rejected Waste, a record shall be made in the daily log-book or in an electronic file of the reason why the waste is being refused and of the origin of the waste.
- (5) District Manager shall be notified in writing of the receipt of the Rejected Waste within three (3) business days.
- (6) The following information shall be included in the notification to the District Manager:
 - a. quantity and type of the waste;
 - b. source of the waste;
 - c. reason why the waste was refused;
 - d. final destination of the Rejected Waste, if known; and
 - e. time and date of receipt and time and date of removal from the Site.
- (7) The Rejected Waste shall be handled and removed from the Site in accordance with Regulation 347 and the EPA.

4.5 Storage Amounts

- (1) The total amounts of waste that are approved for storage at the Site shall not exceed the

following:

- a. 2,870 tonnes of un-processed Organic Waste;
- b. 25,308 tonnes of in-process Organic Waste;
- c. 11,310 tonnes of pasteurized Digestate;
- d. 163 tonnes of the Residual Waste; and
- e. 30 tonnes of the Rejected Waste.

(2) The Owner is approved to store at any one time the following amounts of the incoming Organic Waste:

- a. no more than 2,700 m³ or 1,890 tonnes of the unprocessed Organic Waste shall be temporarily held in the Waste Tipping Pit;
- b. no more than 10 tonnes of the in-process Organic Waste shall be temporarily held in the shredder;
- c. no more than 21 tonnes of the in-process Organic Waste shall be temporarily held in the de-packing feed hopper;
- d. no more than 5 tonnes of the in-process Organic Waste shall be temporarily held in the de-packing lines including belts and the screw conveyors; and
- e. no more than 80 tonnes of packaged and sealed solid IC&I Organic Waste in bins or totes, shall be stored within the Process Building.

(3) The Owner is approved to store at any one time the following amounts of the liquid waste:

- a. no more than 100 m³ of incoming liquid IC&I Organic Waste shall be temporarily stored in each of the nine (9) IC&I Storage Tanks, at any one time, with the total amount of 900 m³;
- b. no more than 40 tonnes of the in-process Organic Waste shall be temporarily held in the sedimentation pits/tanks;
- c. no more than 630 m³ of liquid waste shall be temporarily stored in each of the four (4) Slurry Storage Tanks, at any one time, with the total amount of 2,520 m³;
- d. no more than 5,655 m³ of in-process Organic Waste shall be stored in each of the four (4) Anaerobic Digesters, with the total amount of 22,620 m³;
- e. no more than 25 m³ of in-process Organic Waste shall be stored in each of the four (4) Pasteurization Tanks, with the total amount of 100 m³; and

- f. no more than 5,655 m³ of Digestate shall be stored in each of the two (2) Digestate Storage Tanks, with the total amount of 11,310 m³;
- (4) The Owner is approved to store at any one time the following maximum amount of the Residual Waste from the processing of the Organic Waste:
- a. 15 tonnes of recovered ferrous metals or the amount contained within one (1)-2 m³ storage bin;
 - b. 15 tonnes of recovered non-ferrous metals or the amount contained within one (1)-2 m³ storage bin;
 - c. 12 tonnes of solid non-hazardous Residual Waste destined for Final Disposal, contained within two (2) compactors;
 - d. 60 tonnes of solid non-hazardous Residual Waste destined for Final Disposal, contained within two (2)-30-foot transport trailers;
 - e. 16 tonnes of solid non-hazardous Residual Waste from Digestate screening destined for Final Disposal, contained within one (1)-23 m³ storage bin; and
 - f. 45 tonnes of grit/sediment, removed by the sedimentation pit/tanks, contained within up-to five (5)-1.5 m³ storage bins and one 23 m³ container inside the Processing Hall.
- (5) The Owner is approved to store the following maximum amount of the Rejected Waste, at any one time:
- a. 30 tonnes of the Rejected Waste.

4.6 Solid Waste Storage

- (1) The Owner shall ensure that,
- a. all solid Organic Waste temporarily stored in the Waste Tipping Pit is transferred for pre-processing by the end of the working day, if practically possible; and
 - b. the solid Organic Waste pre-processing is scheduled so that the oldest or the most odorous Organic Waste is processed first.
- (2) The floor in the Process Building, including the Waste Tipping Pit, shall be sloped towards the drains, to drain any leachate from the Organic Waste or the run-off from the cleaning activities, as set out in the Supporting Documentation.

4.7 Liquid Waste/Liquid Reagent Storage

- (1) The Owner is approved to store liquid Organic Waste as follows:
 - a. the Owner shall ensure that sufficient storage capacity is available in the storage/processing tanks prior to loading of the liquids into the tanks;
 - b. all storage and processing tanks shall be equipped with a liquid level monitoring device;
 - c. the liquid levels in the liquid Waste storage/processing tanks shall be monitored and controlled on a continuous basis to ensure that the design storage capacity available within the tanks is not exceeded;
 - d. the high-level alarms shall be operational at all times;
 - e. a provision for an auditory alarm at the Site and SCADA alarm, when the high level setpoint in all storage/processing tanks is reached, shall be provided and be in place prior to the first receipt of the Organic Waste at the Site; and
 - f. should the high level setpoint in any storage/processing tank be reached, an auditory alarm in the unloading area and SCADA alarm shall be triggered.
- (2) The IC&I Tanks shall be located outdoors along the north side of the Process Building, on a concrete pad and within curbing designed as set out in the Supporting Documentation and draining towards the secondary spill containment system for the Slurry Storage Tanks and the Anaerobic Digesters, and subsequently into the stormwater pond.
- (3) The Slurry Storage Tanks and the Anaerobic Digesters shall be constructed and operated within the Tank Farm with a bermed secondary spill containment system with an area of 1.69 hectares and designed as set out in the Supporting Documentation and draining into the stormwater pond.
- (4) The secondary spill containment system for the IC&I Tanks, the Slurry Storage Tanks and the Anaerobic Digesters is approved to drain to the stormwater management pond as approved in the Sewage Works Approval.
- (5) Any discharge from the secondary containment system into the stormwater pond shall be pre-treated in an oil-grit separator or as approved in the Sewage Works Approval.
- (6) The secondary spill containment system shall be equipped with a manual valve and no discharge from the secondary containment system shall be directed into the stormwater pond without a visual inspection of the accumulated stormwater to confirm that it is not impacted or as approved in the Sewage Works Approval.
- (7) The Pasteurization Tanks shall be constructed and operated within the Process Building and within the secondary spill containment system as set out in the Supporting Documentation.
- (8) The Clean-Out Material shall be stored separately from any other waste or material until it is

characterized and ready for transfer off-Site in accordance with this Approval.

- (9) Sulphuric acid to be used in the ammonia scrubber shall be stored in a double-walled tank as proposed in the Supporting Documentation and located outside the Process Building.
- (10) Ammonia scrubber shall be located within the Process Building as proposed in the Supporting Documentation.

4.8 Storage of on-Site Generated Waste

- (1) Solid putrescible waste generated through activities not relating to the handling and processing of the approved waste at the Site (ie. office, lunch room, etc.) shall be;
 - a. handled in a manner that does not create an Adverse Effect and in accordance with the requirements of Regulation 347; and
 - b. may be processed at the Site.

4.9 Solid Organic Waste Pre-Processing

- (1) All pre-treatment of solid Organic Waste shall be carried out within the confines of the Process Building and as set out in the Supporting Documentation, unless otherwise required in this Approval.
- (2) The Owner shall ensure that effective local capture of odour emissions (source extraction) is in place at all times when the pre-treatment of solid Organic Waste is being carried out.
- (3) The Owner shall ensure that all odours generated by the pre-treatment of solid Organic Waste area are discharged into the Air Treatment Systems as approved in this Approval and in the Air/Noise Approval.

4.10 Anaerobic Digesters Operation

- (1) The Owner is approved to operate up-to four (4)-6,362 m³, each, Anaerobic Digesters.
- (2) The Anaerobic Digesters shall be insulated, heated and mechanically mixed.
- (3) Each Anaerobic Digester shall be covered with a double membrane cover with the inner membrane having permeability of less than 280 mL per m²*day @ 1bar +/-10%., as proposed in the Supporting Documentation.
- (4) The air from the space between the double membrane shall be exhausted to small, in-line activated carbon filter(s), as proposed in the Supporting Documentation and as approved in this Approval and in the Air/Noise Approval.
- (5) Treatment of the Organic Waste in the Anaerobic Digesters shall be carried out under mesophilic

conditions, as proposed in the Supporting Documentation, at all times.

- (6) The Owner shall ensure that a minimum hydraulic retention time of the Organic Waste in each Anaerobic Digester is at least twenty (20) days for Anaerobic Digestion under mesophilic conditions as proposed in the Supporting Documentation, at all times.
- (7) The liquid level, temperature and duration of the processing in the Anaerobic Digesters shall be monitored to verify compliance with Conditions 4.10(5) through 4.10(6).
- (8) The Owner may add a small amount of air or oxygen into the freeboard of the Anaerobic Digesters, as needed, for the purpose of removal of H₂S from the Biogas, in accordance with the Supporting Documentation.
- (9) The Anaerobic Digestion Output may pass through a screen prior to its transfer to the Pasteurization Tanks.
- (10) The Owner shall ensure that the headspace of the Anaerobic Digesters is exhausted into the Biogas Management System, as proposed in the Supporting Documentation.

4.11 Pasteurization

- (1) The Owner shall ensure that all Digestate is Pasteurized to inactivate pathogens prior to its transfer from the Site for land application as set out in this Approval.
- (2) All Anaerobic Digestion Output shall be Pasteurized in the Pasteurization Tanks, in accordance with this Approval.
- (3) The Owner is approved to operate four (4)-25 m³-Pasteurization Tanks and associated tubing, located indoors within the Process Building.
- (4) The requirements for Pasteurization of the Anaerobic Digestion Output are as follows:
 - a. All liquid Anaerobic Digestion Output transferred from the Anaerobic Digesters into the Pasteurization Tanks shall have a dry matter content of less than 18% and have a slump of more than 150 millimetres using the Slump Test.
 - b. The Owner shall ensure that Pasteurization in the Pasteurization Tanks is undertaken at a minimum temperature of 70°C for a minimum of one (1) hour to ensure the complete inactivation of pathogens in the Anaerobic Digestion Output as set out in the Supporting Documentation.
 - c. The Owner shall ensure that the contents of the Pasteurization Tanks is sufficiently mixed to ensure that all Anaerobic Digestion Output contained in the Pasteurization Tanks is Pasteurized to inactivate pathogens, as required in this Approval.

- d. The temperature of Pasteurization in the Pasteurization Tanks shall be monitored with a minimum of three (3) thermocouples installed as proposed in the Supporting Documentation, to verify compliance with Condition 4.11(4)b.
 - e. Monitoring results of the time and temperature of the Pasteurization shall be available in a graphical format to demonstrate compliance with the Pasteurization requirements in Condition 4.11(4)b.
- (5) A provision for SCADA alarm at the Site, with an interlock that prohibits pumping of the batch from the Pasteurization Tank into the Digestate Storage Tank, when the required Pasteurization temperature is not being achieved, shall be provided and be in place prior to the first receipt of the Organic Waste at the Site.
 - (6) Should the Pasteurization temperature monitoring show an excursion below the required setpoint, SCADA alarm at the Site shall be triggered and the Anaerobic Digestion Output shall not be pumped out from the Pasteurization Tank into the Digestate Storage Tank until the problem is investigated and corrected and the required Pasteurization criteria are met.
 - (7) The Owner shall ensure that the headspace of the Pasteurization Tanks is exhausted into the acid scrubber and then to the Air Treatment System as proposed in the Supporting Documentation and approved in this Approval and in the Air/Noise Approval.
 - (8) If at any one time, the Owner is not able to operate the Pasteurization Tanks in compliance with the time/temperature Pasteurization operational criteria set out in Condition 4.12(4)d. and/or the pathogen limits set out in Condition 6.2(1)b., the Owner shall,
 - a. cease transfer of the Digestate as a NASM or a Fertilizer for agricultural land application; and
 - b. transfer the Digestate to an approved waste disposal site for further processing that ensures pasteurization in a fully mixed pasteurization tank and the associated tubing, used for heat treatment for pathogen inactivation, operating in compliance with operational criteria set out in Condition 4.12(4)d. and/or the pathogen limits set out in Condition 6.2(1)b. or for Final Disposal.

4.12 Digestate Management

- (1) The Owner is approved to operate up-to two (2)-6,362 m³ Digestate Storage Tanks, mixed and located outdoors within a dedicated secondary containment area draining into the stormwater pond, as approved in the Sewage Works Approval.
- (2) The Owner shall ensure that all Digestate in the Digestate Storage Tanks has been Pasteurized in accordance with this Approval.
- (3) The Digestate Storage Tanks shall be covered with a double membrane cover with the inner

membrane having permeability of less than 280 mL per m²*day @ 1bar +/-10%.

- (4) The air from the space between the double membrane shall be exhausted to small, in-line activated carbon filter(s), as proposed in the Supporting Documentation and in this Approval and as approved in the Air/Noise Approval.
- (5) The Owner shall ensure that the headspace of the Digestate Storage Tanks is exhausted into the Biogas Management System, as proposed in the Supporting Documentation.
- (6) The Digestate Storage Tanks shall be equipped with sampling ports or other means by which a sample can be taken that represents the contents of the Digestate being transferred into a tanker for hauling off-Site, to allow for collection of samples of the Digestate for testing, if required.

4.13 Biogas Management

- (1) As proposed in the Supporting Documentation, the Biogas from the headspace of the Anaerobic Digesters and the Digestate Storage Tanks shall be contained and exhausted to,
 - a. the Biogas Management System to be treated to meet the requirements for the Renewable Natural Gas;
 - b. back to the headspace of the Anaerobic Digesters or the Digestate Storage Tanks; or
 - c. the Waste Gas Burner for combustion.
- (2) Any treated Biogas which does not meet the required Renewable Natural Gas quality criteria shall be transferred back to the Anaerobic Digesters or the Digestate Storage Tanks, be re-processed in the Biogas Management System or be combusted in the Waste Gas Burner.
- (3) The Owner shall maintain the Waste Gas Burner as a fully functional stand-by system, at all times.
- (4) When there is a process Malfunction and/or when the Biogas Management System is inoperable or is producing treated Biogas that is not suitable for injection into the pipeline, the Waste Gas Burner shall be utilized to combust the Biogas if it cannot be transferred back to the Anaerobic Digesters or the Digestate Storage Tanks.
- (5) The Owner shall ensure that the Waste Gas Burner is designed and operated to comply, at all times, as approved in this Approval and in the Air/Noise Approval.
- (6) Condensate from the Biogas Management System shall be added into the Anaerobic Digesters or the Digestate Storage Tanks, as proposed in the Supporting Documentation.
- (7) The Owner shall electronically monitor gas pressure in the Anaerobic Digesters to ensure that if the pressure relief valves are open, it is recorded and the Owner is notified. Should any

unintentional raw (untreated) Biogas be released from the over/under pressure relief valves to the atmosphere, regardless of quantity, shall be considered a spill, and the Owner shall immediately notify the Ministry as required in this Approval.

4.14 Digestate Handling

- (1) Loading of the liquid Digestate into the tanker trucks shall be done within the confines of the Process Building.
- (2) Any spills or drips of the Digestate shall be promptly cleaned up before the truck leaves the loading area.
- (3) When the Site is producing Digestate for the end-use as a NASM, six (6) months prior to receiving Organic Waste in Phase 1 and in Phase 2, the Owner shall submit to the District Manager, copies of agreements for the transfer and storage of the Digestate off-Site, which are signed by the owners of the off-Site storage locations and include the owner's total Digestate storage volume that is constructed, readily-available and designated strictly for the Site's Digestate for the minimum storage duration of 240 days.
- (4) When the Site is producing Digestate for the end-use as a Fertilizer, six (6) months prior to receiving Organic Waste in Phase 1 and in Phase 2, the Owner shall submit to the District Manager, copies of agreements for the transfer and storage of the Digestate off-Site, which are signed by the owners of the off-Site storage locations and include the owner's total Digestate storage volume that is constructed, readily-available and designated strictly for the Site's Digestate for the minimum storage duration required to comply with the Fertilizer label land application rates.

4.15 Carbon Dioxide Liquefaction

- (1) Optional CO₂ liquefying system shall be located outdoors and comprising the following processes, working areas and equipment:
 - a. an activated carbon filter to remove any remaining VOCs or H₂S;
 - b. dryer for moisture removal;
 - c. fine filters for further removal of impurities;
 - d. condenser for liquifying of the purified CO₂ gas; and
 - e. loading/storage in insulated storage tanks.

4.16 Residual Waste Management

- (1) Storage of the solid Residual Waste from pre-processing of the Organic Waste at the Site is subject to the following limitations:
 - a. solid Residual Waste may be temporarily stored in the Compactors located indoors within the confines of the Process Building; and
 - b. the Residual Waste shall be transferred from the Site to an approved waste disposal site as soon as its transfer trailer is filled to its holding capacity.
- (2) Storage of the solid Residual Waste from screening of the Anaerobic Digestion Output shall be stored in roll-off bins within the confines of the Process Building.
- (3) Storage of the solid Residual Waste from the sedimentation pit/tanks shall be collected in 1.5 m³ bins located next the sedimentation pit/tanks and stored in a 23 m³ container for transfer to an approved waste disposal site as soon as the transfer container is filled to its holding capacity. These bins and container shall be located indoors within the confines of the Process Building.

4.17 Process Wastewater Management

- (1) The Owner shall ensure that all wastewater, including the run-off from floor and equipment washing and the truck wheel washing generated within the Process Building, is:
 - a. contained within the leak-proof collection and storage systems, at all times;
 - b. collected in the sufficiently designed storage; and
 - c. collected for re-use in the Anaerobic Digestion or disposal off-Site at a Ministry-approved sewage works.
- (2) The Owner shall regularly empty, clean and disinfect, if necessary, all sumps or wastewater storage/holding areas that are used to contain and collect the wastewater generated within the Process Building.

4.18 Ventilation

- (1) The Owner shall maintain the negative pressure in the Receiving Hall, the Processing Hall and the Air Treatment Hall, in accordance with the Supporting Documentation, and as approved in this Approval and in the Air/Noise Approval.
- (2) As proposed in the Supporting Documentation, as a minimum, the Owner shall maintain the following air changes per hour (ACH) in the Process Building:
 - a. 3.5 ACH in the Receiving Hall; and
 - b. 2.1 ACH in the Processing Hall.
- (3) The Owner shall maintain and adjust the air changes per hour in the Air Treatment Hall as

proposed in the Supporting Documentation.

- (4) The Owner shall provide a physical separation between the Receiving Hall and other sections of the Process Building Hall so that the Receiving Hall is effectively isolated when the bay doors in Receiving Hall are open.
- (5) The Owner shall only use the Receiving Hall when the ventilation system is operational and maintains the approved ACH and the negative pressure in the Receiving Hall in accordance with the Supporting Documentation, and as approved in this Approval and in the Air/Noise Approval.
- (6) As proposed in the Supporting Documentation, the Owner shall increase the negative pressure within the Receiving Hall, when the bay doors are opened.
- (7) The ventilation air flow shall be cascaded through the designated areas in the Process Building, as proposed in the Supporting Documentation, and as approved in this Approval and in the Air/Noise Approval.
- (8) The Owner shall ensure that air curtains at the bay doors of the Receiving Hall are operational, at all times, and are being operated whenever the bay doors are opened.
- (9) Only one bay door in the Receiving Hall or in the Processing Hall shall be opened at the same time.
- (10) The bay doors shall be closed, at all times, except for when a truck or equipment is entering or exiting the Receiving Hall and the Processing Hall.
- (11) The Owner shall ensure that effective local capture of odour emissions is in place and is used at all times when the Organic Waste is present in the Process Building.

4.19 Prohibitions

- (1) No outside Organic Waste storage, except as approved under this Approval.
- (2) No storage of incoming Organic Waste in its transportation vehicle is approved under this Approval.
- (3) Burning of any Wastes, other than the Biogas or the Renewable Natural Gas, as approved in this Approval, is prohibited at the Site.
- (4) Other uses of the Renewable Natural Gas produced at the Site, other than use at the Site or injection into the natural gas distribution infrastructure, are not approved under this Approval.
- (5) There shall be no public access to the Site for any waste drop off.

5.0 EQUIPMENT and SITE INSPECTIONS and MAINTENANCE

5.1 Inspections

- (1) Prior to the first receipt of the Organic Waste at the Site or as required by the District Manager, the Owner shall prepare a comprehensive written inspection program which includes procedures for inspections of all aspects of the Site's operations including the following:
 - a. waste, including the Digestate, loading/unloading/storage/handling areas;
 - b. condition of all major pieces of the equipment;
 - c. condition of all instruments for monitoring required under this Approval;
 - d. security fence and property line;
 - e. presence of the on and off-Site litter;
 - f. presence of odour and dust emissions from the operation of the Site; and
 - g. condition of the stormwater pond.
- (3) The inspection program shall be up-dated, as required, shall be retained at the Site and be made available for inspection by a Provincial Officer, upon request.
- (4) The Owner shall ensure that the required Site inspections are undertaken daily by the Trained Personnel in accordance with the applicable inspection program to ensure that all Equipment and facilities at the Site are maintained in good working order at all times and that no off-Site impacts are occurring. Any deficiencies detected during these regular inspections must be promptly corrected.

5.2 Spare Parts

- (1) The Owner shall prepare a list of critical spare parts and update this list annually or more frequently, if necessary, to ensure that this list is maintained up-to-date. The list shall be retained at the Site and be made available for inspection by a Provincial Officer, upon request.
- (2) The Owner shall ensure that the critical spare parts are available at the Site at all times or be immediately available from an off-Site supplier.

5.3 Maintenance

- (1) The Owner shall develop and implement a preventative maintenance program for all on-Site equipment associated with the processing and managing of wastes and process reagents and

control of fugitive odour and dust emissions.

- (2) The preventative maintenance program referred to in Condition 5.3(1) shall be maintained up-to-date, be retained at the Site and be available for inspection by a Provincial Officer, upon request.

6.0 QUALITY CRITERIA

- (1) For the purpose of demonstrating compliance with the quality criteria set out in Condition 6.0, the Owner shall use the most recent results of the required analysis or the most recent published data.

6.1 Incoming Organic Waste Quality Criteria

- (1) The Owner shall ensure that the incoming Organic Waste from each source, prior to pre-processing or after pre-processing if contamination needs to be removed at the Site, complies with the metal content limits for the Off-Farm Anaerobic Digestion Materials set out in O. Regulation 276/03 for solids or with the maximum metal concentrations set out in column 2 of Table 1 of Schedule 5 of O. Regulation 267/03 for liquids.
- (2) The incoming Organic Waste shall not be accepted at the Site if the analytical requirements listed in this Approval have not been fulfilled or if the analysis of the said Organic Waste as described in this Approval determines that the metal content in the said Organic Waste exceeds the metal content limits set out in Condition 6.1(1).

6.2 Digestate Quality Criteria

- (1) If the Digestate or the Clean-Out Material is managed as a Fertilizer or a NASM destined for land application on agricultural land, the Digestate shall comply with the following requirements unless O. Regulation 267/03 requires otherwise for a NASM:
 - a. regulated metals shall not exceed the maximum concentrations set out in Table 1 or Table 2, as applicable, of Schedule 5 of O. Regulation 267/03;
 - b. pathogens shall not exceed the maximum pathogen levels set out in Table 2 of Schedule 6 of O. Regulation 267/03 for CP1 NASM, Table 3 of Schedule 6 of O. Regulation 267/03 for CP2 NASM or Table 5 of "Trade Memorandum T-4-93 - Safety standards for fertilizers and supplements" for Fertilizer, as applicable;
 - c. Foreign Matter shall not exceed 2% calculated on a dry basis;
 - d. plastics shall not exceed 0.5% calculated on a dry basis; and
 - e. there shall not be any particles of any material that will not pass through a screen whose

largest opening has an area of 2.5 cm².

- (2) The Digestate or the Clean-Out Material destined for land application on agricultural land as a NASM, shall contain a minimum of 15% of total organic matter/weight of the solids.
- (3) If the Digestate or the Clean-Out Material is managed as a waste destined for land application on non-agricultural land,
 - a. the Digestate or the Clean-Out Material shall meet the quality criteria required by the conditions of the environmental compliance approval for the site where it is to be land-applied and as required by the receiving site owner.

6.3 Residual Waste Quality Criteria

- (1) Any Residual Waste, including the Clean-Out Material that is managed as a Residual Waste, to be transferred for further processing or Final Disposal shall meet the quality criteria required by the conditions of the environmental compliance approval for the site where it is to be transferred to and as required by the receiving site owner.

6.4 Renewable Natural Gas Quality Criteria

- (1) Renewable Natural Gas shall comply with the applicable criteria required by the owner/operator of the natural gas distribution infrastructure for its intended injection into the natural gas distribution infrastructure. (MW: This is a defined term, so it should be capitals)

6.5 Liquified CO₂ Quality Criteria

- (1) Liquified CO₂ shall comply with the applicable quality criteria, standards and restrictions required by the applicable regulatory agency responsible for oversight of its intended use and as required by the user.

7.0 TESTING and MONITORING

7.1 Sampling and Testing Methods

- (1) The collection and analysis of samples of the incoming Organic Wastes, the Digestate and the Cleanout Material destined for land application as a NASM, shall be performed in accordance with the Sampling and Analysis Protocol.
- (2) Analysis of samples from Condition 7.1 shall be performed by:
 - a. a laboratory that is accredited by the Ministry of Agriculture, Food and Rural Affairs for that purpose; or

- b. a laboratory that is accredited in accordance with the International Standard ISO/IEC 17025 - General Requirement for the Competence of Testing and Calibration Laboratories, dated December 15, 1999, as amended from time to time.

(3) The Owner shall ensure a copy of the analysis sets out the metal concentrations in:

- a. milligrams of metal per kilogram of total solids, dry weight, in case of the analysis of metals in materials that have a concentration of total solids of 10,000 milligrams or more per litre; and
- b. milligrams of metal per litre, in the case of the analysis of regulated metals in materials that have a concentration of total solids of less than 10,000 milligrams per litre.

7.2 Characterization of Incoming Organic Waste

- (1) The Owner shall ensure that prior to its first acceptance of a given new incoming Organic Waste, the incoming Organic Waste is characterized for metals preceding its first-time receipt at the Site.
- (2) If the Owner relies on the published data for the well-studied/characterized incoming Organic Waste, the latest published information shall be used to confirm that the characteristics of the incoming Organic Waste to be received at the Site are in compliance with the incoming Organic Waste metals quality criteria required under this Approval.
- (3) If the published data is not available or used to confirm compliance of the incoming Organic Waste with the metal quality criteria from this Approval, the Owner shall ensure that analytical data from sampling and testing of the incoming Organic Waste is used to confirm compliance with the incoming Organic Waste metal quality criteria required under this Approval.
- (4) When sampling and testing of the incoming Organic Waste from Condition 7.2(3) is required, the Owner shall ensure that,
 - a. composite samples are collected as follows:
 - i. for liquids, at least 1 composite sample composed of no less than 5 sub-samples is collected, and
 - ii. for solids, at least 1 composite sample composed of no less than 10 sub-samples is collected;
 - b. following initial sampling and testing of the Organic Waste, subsequent sampling and metal content analysis is conducted for every 1,000 tonnes of the given Organic Waste or once a year, whichever comes first, provided the said Organic Waste is of the same type and is from the same source; and
 - c. if after the first twelve (12) months of sampling and analysis the results are consistent and continuously below the prescribed limits, sampling and analysis is conducted for the given

Organic Waste once a year or following any process changes, operational issues or other factors that may affect the quality of the said Organic Waste from the source.

- (5) The Owner shall ensure that each sample of the incoming Organic Waste has been analysed for metals set out in Condition 6.1, in accordance with the methods and sampling frequencies specified in this Approval.
- (6) If the initial or the subsequent testing determines that the concentration of any metal in an incoming Organic Waste exceeds the maximum metal concentrations set out in Condition 6.1, the Owner shall reject the receipt of that Organic Waste.
- (7) In order to resume accepting a given Organic Waste following previous rejection, the Owner shall increase the frequency of testing and ensure that the analytical requirements listed in this Approval have been fulfilled and that two (2) independent composite samples of the said Organic Waste generate analytical results which, separately and consecutively, do not exceed the metal content limits set out in Condition 6.1(1) and the waste generator determines the possible causes of the initial increased metal concentrations.
- (8) When sampling and re-testing of the incoming Organic Waste from Condition 7.2(7) is required, the Owner shall ensure that the composite samples are collected as follows:
 - a. for liquids, at least 1 composite sample composed of no less than 5 sub-samples is collected; and
 - b. for solids, at least 1 composite sample composed of no less than 10 sub-samples is collected.
- (9) Should results of testing of the incoming Organic Waste for metals fail to meet the quality criteria specified in this Approval, the said Organic Waste shall be handled in accordance with the Contingency and Emergency Response Plan.

7.3 Testing of Digestate - Foreign Matter, Plastics, Metals and Pathogens

- (1) If the Digestate is managed as a NASM destined for land application on agricultural land or as a Fertilizer, the Owner shall:
 - a. collect one sample per month from the outlet of each Digestate Storage Tank and analyze the samples for Foreign Matter, Plastics and regulated metals listed in Table 2 of Schedule 5 of O. Regulation 267/03.
- (2) If the Digestate is managed as a NASM destined for land application on agricultural land or managed as a Fertilizer, the Owner shall collect one (1) sample every month from the outlet of the each Digestate Storage Tank, and analyze each of the samples for:
 - a. Total Solids content (%);
 - b. Faecal coliforms;
 - c. E.coli; and

d. Salmonella.

- (3) Notwithstanding provisions of Condition 7.4(2), upon a written request from the District Manager, the Owner shall sample and test the Digestate for pathogens including the organisms listed in Table 1 of Schedule 6 of O. Regulation 267/03.

7.4 Testing of Clean-Out Material

- (1) The Clean-out Material destined for land application on agricultural land as a NASM shall be tested in accordance with the requirements set out in Condition 7.3.
- (2) For the Clean-out Material destined for transfer to an approved waste disposal site as a Rejected Waste, the Owner shall test the Clean-Out Material as required by the environmental compliance approval for the receiving site and the receiving site owner.

7.5 Pasteurization/Anaerobic Digestion Monitoring

- (1) The temperature of Pasteurization in the Pasteurization Tanks shall be continuously monitored and recorded.
- (2) The liquid level and the temperature of the processing in the Anaerobic Digesters shall be continuously monitored and recorded.

7.6 Biogas/Renewable Natural Gas Testing/Monitoring

- (1) The Biogas and the Renewable Natural Gas production rate and quality shall be monitored and/or tested in accordance with the proposal set out in the Supporting Documentation and as required by the natural gas distribution infrastructure owner.

7.7 Liquified Quality Criteria Testing/Monitoring

- (1) Liquified CO₂ shall be tested in accordance with the proposal set out in the Supporting Documentation and as required by the applicable regulatory agency responsible for oversight of the intended use and as required by the user.

7.8 Process Building Testing

- (1) Prior to the receipt of the Organic Waste at the Site, the Owner shall perform a negative pressure assessment, including testing of the Process Building envelope to identify any unplanned leakage points in the Process Building.
- (2) The Process Building envelope testing shall be carried out by a licensed engineer in accordance with the test protocol as required in the Air/Noise Approval.

(3) The testing shall be repeated as directed or agreed by the District Manager.

8.0 END-USE of OUTPUTS

8.1 End-use of Digestate

- (1) All Digestate shipped from the Site as a Fertilizer must be accompanied by a “Product Label” that has been approved by the CFIA, as required.
- (2) Subject to the CFIA’s Fertilizer registration requirements, prior to each initial shipment for each Fertilizer label, the Owner shall provide to the Director and the District Manager a notification from the CFIA that the Digestate generated at the Site has been assessed and approved for use as a Fertilizer under the Fertilizers Act.
- (3) In addition to the notification required by Condition 8.1(2), above, the Owner shall provide to the Director and District Manager the following information:
 - a. a copy of the complete application package submitted to the CFIA in support of the request to manufacture the Fertilizer;
 - b. the specific requirements of the CFIA that must be met for the Digestate to be considered as a Fertilizer including all process monitoring, analytical, and quality assurance / quality control requirements;
 - c. a statement whether the label is a new label or if it has been re-issued as a result of a change to the incoming Organic Waste type or quality or a process change triggering a requirement for a new Fertilizer label as required by the CFIA; and
 - d. a copy of the approved Product Label.
- (4) If the Digestate is not offered for sale or is not sold as a Fertilizer in accordance with the Fertilizers Act, but the Digestate is to be land-applied to agricultural land, the Digestate shall be managed as a NASM in accordance with the requirements of the O. Regulation 267/03.
- (5) If the Digestate is not managed as a Fertilizer or as a NASM, it is considered a processed organic waste subject to approval requirements under section 20.2 of Part II.1 of the EPA, and it shall be managed as follows:
 - a. Digestate managed as waste shall only be in accordance with the requirements of the EPA and the OWRA and any other relevant Ministry legislation;
 - b. Digestate managed as waste shall only be removed from the Site by a hauler approved by the Ministry to transport such waste, as required.
- (6) Digestate managed as waste in accordance with Condition 8.1(5), shall be transferred for further processing or Final Disposal to a Ministry-approved site or a site approved to accept such waste

by an equivalent jurisdiction.

8.2 End-use of Biogas/Renewable Natural Gas

- (1) Treated Biogas is considered to be a renewable natural gas when it meets the requirements for injection into the natural gas distribution infrastructure.
- (2) Treated Biogas which does not meet the required Renewable Natural Gas quality criteria shall be transferred back to the Anaerobic Digesters or the Digestate Storage Tanks, re-processed in the Biogas Management System or transferred to the Waste Gas Burner for combustion.

8.2 End-use of Liquefied CO₂

- (1) Unless the off-Site use of the treated liquefied CO₂ complies with the applicable exemption requirements in Regulation 347, the Owner shall notify the receiving site owner that any use of the treated liquefied CO₂ is subject to the approval requirements under section 20.2 of Part II.1 of the EPA.

9.0 NUISANCE IMPACT CONTROL and HOUSEKEEPING

9.1 Trucks and Traffic

- (1) The Owner shall visually inspect the vehicles that have delivered the Organic Waste to the Site for evidence of leaking or dripping waste. The Owner of the vehicles that leak shall be given a written notice of the presence of the leak. The notice shall include the vehicle owner's name, the vehicle environmental compliance approval number, if applicable, the type of Organic Waste delivered to the Site and the date of the delivery. A copy of the notice shall be retained at the Site and it shall be provided to the Ministry staff upon request.
- (2) The Owner shall ensure that the exterior of all vehicles delivering the Organic Waste to the Site is washed prior to their departure from the Site, as appropriate.
- (3) The Owner shall ensure that there is no queuing or parking of vehicles that are waiting to enter the Site on any roadway that is not a distinct part of the Site.
- (4) The Owner shall ensure that the vehicles transporting waste to and from the Site use the designated on-Site traffic routes.
- (5) The Owner shall ensure that all new drivers of vehicles transporting waste to and from the Site are instructed/trained on the acceptable on-Site traffic routes.
- (6) The Owner shall ensure that all vehicles hauling waste are adequately covered to prevent fugitive odour or dust emissions during transport.

- (7) All waste must be transported to and from the Site in accordance with the EPA and Regulation 347 and in vehicles that have been approved by the Ministry or registered on the EASR, as required.
- (8) The Owner shall ensure that all drivers of vehicles making deliveries and removing waste from to the Site are made aware of the protocols to manage opening and closing of the doors in the buildings at the Site.
- (9) The Owner shall determine the Site access truck traffic routes and shall ensure that all drivers of vehicles making deliveries and removing waste from to the Site are made aware of the traffic routes restrictions and requirements.

9.2 Litter

- (1) The Owner shall prevent the escape of litter from the Site and pick up litter around the Site on a daily basis, or more frequently if necessary.

9.3 Vectors, Vermin and Wildlife

- (1) The Owner shall:
 - a. implement necessary housekeeping procedures to eliminate sources of attraction for vermin, vectors and wildlife; and
 - b. if necessary, hire a qualified, licensed pest control professional to design and implement a pest control plan for the Site.

10.0 COMPLAINT MANAGEMENT

- (1) A designated representative of the Owner shall be available to receive public complaints caused by the operations at the Site twenty-four (24) hours per day, seven (7) days per week.
- (2) If at any time, the Owner receives any environmental complaints from the public regarding the operation of the Site, the Owner shall respond to these complaints according to the following procedures:
 - a. Step 1: Receipt of Complaint - The Owner shall record each complaint in a computerized tracking system. The information recorded shall include the following:
 - i. the name, address and the telephone number (or contact information) of the complainant, if known;
 - ii. the date and time of the complaint; and
 - iii. details of the complaint, including the description and duration of the incident.

- b. Step 2: Investigation of Complaint - After the complaint has been received by the Owner and recorded in the tracking system, the Owner shall, immediately notify, either the District Manager by phone during office hours or the Ministry's Spills Action Centre at 1-800-268-6060 after office hours. The Owner shall immediately initiate investigation of the complaint. The investigation shall include, as a minimum, the following:
 - i. determination of the activities undertaken in the Site at the time of the complaint;
 - ii. general meteorological conditions including, but not limited to the ambient temperature, approximate wind speed and its direction, sunny versus cloudy, inversion versus clear and windy, etc. at the time of the complaint;
 - iii. location of the person who submitted the complaint, if known, at the time of the incident; and
 - iv. determination if the complaint is attributed to activities being undertaken at the Site and if so, determination of all the possible cause(s) of the complaint;
- c. Step 3: Corrective Action - The Owner 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 Owner shall forward a formal reply to the complainant if known and to the District Manager within one (1) week after the receipt of the complaint. 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 would be provided.
- e. Step 5: Recording - All of the information collected and actions taken must be recorded in the tracking system.

(3) If the District Manager deems the remedial measures taken as per Condition 10.0(2)c. to be unsuitable, insufficient or ineffective, the District Manager may direct the Owner, in writing, pursuant to the remedial order section (s.17) or the preventative measures order section (s.18) of the EPA to take further measures to address the noted failure, upset or Malfunction, including but not limited to the following:

- a. reduction in the receipt of the waste;
- b. cessation of the receipt of the waste;
- c. removal and off-site disposal of waste; and

- d. repairs or modifications to the equipment or processes at the Site, that may include the following actions:
 - i. the Owner may prohibit use of specific doors under some circumstances or atmospheric conditions;
 - ii. the Owner may increase the magnitude of the negative pressure to be maintained in the Process Building;
 - iii. the Owner may increase the number of air exchanges in the areas suspected of causing fugitive odour emissions escaping from the Process Building; and
 - iv. the Owner may retrofit the design of the ventilation system within the Process Building to provide a more effective local capture of the odours from the odour sources within the Process Building; and
- e. further investigation of possible sources of fugitive air emissions from the Site as follows:
 - i. the Owner shall develop of a plan, prepared by a Professional Engineer, for assessment of other possible sources of fugitive air emissions originating from the Organic Waste received and processed at the Site;
 - ii. the Owner shall conduct the assessment of other possible sources of fugitive air emissions, as directed or agreed by the District Manager as per the plan prepared in accordance with Paragraph 10(3)e.i. of this Approval;
 - iii. the Owner shall prepare and submit a report prepared by a Professional Engineer on the assessment of other possible sources of fugitive air emissions to the Director and the District Manager within two (2) months after completing the assessment of other possible sources of fugitive air emissions; and
 - iv. implement the recommendations identified in the assessment of other possible sources of fugitive air emissions report within two (2) months after completing the assessment of other possible sources of fugitive air emissions or as directed or agreed by the District Manager.

11.0 OPERATIONS MANUAL and STAFF TRAINING

11.0 Operations Manual

- (1) The Owner shall prepare an Operations Manual for use by the Site personnel. As a minimum, the Operations Manual shall contain the following:
 - a. outline the responsibilities of Site personnel;
 - b. personnel training protocols;

- c. waste receiving and screening procedures;
- d. waste unloading, handling, storage and processing procedures;
- e. process monitoring procedures;
- f. sampling and testing procedures;
- g. Site inspections, spill, fire, upset and leakage recording procedures;
- h. procedure for handling complaints as described in this Approval.

(2) A copy of the Operations Manual shall be kept at the Site, must be accessible to personnel at all times and must be updated, as required.

11.2 Staff Training

(1) All operators of the Site shall be trained with respect to the following:

- a. relevant air, noise, wastewater and waste management legislation, regulations and guidelines;
- b. major environmental concerns pertaining to the waste to be handled at the Site;
- c. occupational health and safety concerns pertaining to the processes and wastes to be handled at the Site;
- d. management procedures including the use and operation of equipment for the processes and wastes to be handled at the Site;
- e. records keeping procedures;
- f. contingency plan and emergency response procedures;
- g. specific written procedures for the control of adverse effects from the Site;
- h. specific written procedures for refusal of unacceptable incoming Organic Waste loads; and
- i. the requirements of this Approval.

(2) The training of the operators of the Site shall also include the procedures contained in the Operations Manual.

(3) The training of the operators of the Site shall be undertaken:

- a. upon commencing employment at the Site;
- b. whenever procedures are updated.

12.0 CONTINGENCY MEASURES and EMERGENCY SITUATION RESPONSE PLAN

(1) A minimum of three (3) months prior to the first receipt of the Organic Waste at the Site, the Owner shall prepare a Contingency Measures and Emergency Situation Response Plan. The Contingency Measures and Emergency Situation Response Plan shall be prepared in consultation with the District Manager, the local Municipality and the Fire Department. The Contingency Measures and Emergency Situation Response Plan, as a minimum, shall include the following information:

- a. emergency response procedures to be undertaken in the event of a spill, process upset, power failure, fire, explosion or any other emergency situation, including specific clean-up methods

for wastes expected to be generated from the emergency situation;

- b. odour abatement plan to propose the design and operation of the contingency measures necessary to alleviate impacts from odours emitted from the waste management activities at the Site;
 - c. dust abatement plan to propose the design and operation of the contingency measure to alleviate impacts from dust originating from the waste management and vehicular activities at the Site;
 - d. trigger mechanism for implementation of the abatement plans required by 12.0(1), 12.0(1)b. and 12.0(1)c, above;
 - e. a list of equipment and clean up materials available for dealing with the emergency situations;
 - f. notification protocol with names and telephone numbers of persons to be contacted, including persons responsible for the Site, the Ministry's District Office and Spills Action Centre, the local Fire Department, the local Municipality, the local Medical Officer of Health, and the Ministry of Labour, and the names and telephone numbers of waste management companies available for emergency response;
 - g. procedures and actions to be taken should the incoming Organic Waste not meet the quality criteria specified by this Approval and requires removal from the Site as set out in this Approval;
 - h. procedures and actions to be taken should the outgoing Residual Waste not meet the quality criteria set out in the receiving site's environmental compliance approval;
 - i. procedures and actions to be taken should the Digestate fail to meet the requirements of a NASM;
 - j. procedures and actions to be taken should the Digestate fail to meet the requirements of a Fertilizer; and
 - k. procedures and actions to be taken should the occurrence of the substantiated complaints require the Owner to suspend the Organic Waste processing activities at the Site.
- (2) An up-to-date version of the Contingency Measures and Emergency Situation Response Plan shall be kept at the Site at all times, in a central location available to all staff, and a copy shall be submitted to the District Manager, the local Municipality and the Fire Department, if requested.
- (3) The Contingency Measures and Emergency Situation Response Plan shall be reviewed on an annual basis and updated, if necessary. The revised version of the Contingency Measures and Emergency Situation Response Plan shall be submitted to the District Manager, the local

Municipality and the Fire Department for comments and concurrence, if requested.

13.0 EMERGENCY SITUATIONS RESPONSE and REPORTING

- (1) The Owner shall immediately take all necessary measures, as outlined in the Contingency Measures and Emergency Situation Response Plan, to handle the emergency situations occurring at the Site.
- (2) The Owner shall ensure that the equipment and materials outlined in the Contingency Measures and Emergency Situation Response Plan are immediately available at the Site at all times and are in a good state of repair and fully operational.
- (3) The Owner shall ensure that all Site personnel are fully trained in the use of the equipment and materials outlined in the Contingency Measures and Emergency Situation Response Plan, and in the procedures to be employed in the event of an emergency.
- (4) All Spills shall be immediately reported to the **Ministry's Spills Action Centre at 1-800-268-6060** and shall be recorded in the logbook or an electronic record as to the nature and cause of the Spill, and the action taken for clean-up, correction and prevention of similar future occurrences.
- (5) Should a Spill occur at the Site, in addition to fulfilling the requirements from the EPA, the Owner shall submit to the District Manager a written report within three (3) calendar days outlining the nature of the Spill, remedial measure taken and the measures taken to prevent future occurrences at the Site.

14.0 RECORDS KEEPING and RETENTION

14.1 Daily Activities

- (1) The Owner shall maintain an on-site written or digital record of activities undertaken at the Site. All measurements shall be recorded in consistent metric units of measurement. The record shall include, as a minimum, the following:
 - a. date of record;
 - b. quantity and type of the Organic Waste received at the Site, including the incoming Organic Waste characterization results, or published characterization data, as applicable;
 - c. quantity and type of waste processed at the Site, including the waste inputted into the Anaerobic Digesters;
 - d. quantity and type of waste present at the Site, including the Organic Waste in-storage and in-process;

- e. amount of the Digestate shipped from the Site, its categorization and destination;
- f. quantity of the Residual Waste shipped for Final Disposal, the name of the receiving site and its environmental compliance approval number;
- g. quantity and type of any Rejected Waste rejected from the Site;
- h. housekeeping activities, including litter collection, washing/cleaning activities, etc.
- i. date and the quantity of Biogas generated at the Site;
- j. date and the quantity of liquified CO₂ generated at the Site;
- k. date and the quantity of Renewable Natural Gas transferred from the Site to the natural gas distribution infrastructure;
- l. date, the quantity of liquified CO₂ and its destination when transferred from the Site for beneficial use; and
- m. date and duration of the Waste Gas Burner being used for Biogas/Renewable Natural Gas combustion.

(2) The Owner shall retain all records retaining to waste characterization required by this Approval for a minimum of five (5) years.

14.2 Emergency Situations

- (1) The Owner shall maintain an on-Site written or digital record of the emergency situations. The record shall include, as a minimum, the following:
- a. the type of an emergency situation;
 - b. description of how the emergency situation was handled;
 - c. the type and amount of material spilled, if applicable;
 - d. a description of how the material was cleaned up and stored, if generated; and
 - e. the location and time of final disposal, if applicable.

14.3 Inspections

- (1) The Owner shall maintain an on-Site written or digital record of inspections as required by this Approval. The record shall include, as a minimum, the following:

- a. the name and signature of person that conducted the inspection;
- b. the date and time of the inspection;
- c. the list of any deficiencies discovered;
- d. the recommendations for remedial action; and
- e. the date, time and description of actions taken.

14.4 Training

- (1) The Owner shall maintain an on-Site written or digital record of training as required by this Approval. The record shall include, as a minimum, the following:
 - a. date of training;
 - b. name and signature of person who has been trained; and
 - c. description of the training provided.

14.5 Sampling and Testing

- (1) The Owner shall establish and maintain a written or digital record of all sampling and testing activities at the Site. This record shall include, as a minimum, the following information:
 - a. waste sampled, sample collection locations and volume collected;
 - b. day and time of collection;
 - c. sample handling procedures;
 - d. parameters tested for and the resulting concentrations;
 - e. name of the laboratory facility conducting the testing; and
 - f. conclusions drawn with respect to the results of the monitoring and testing.

14.6 Monitoring

- (1) The Owner shall establish and maintain a written or digital record of all monitoring activities at the Site as required by this Approval.

14.7 Complaints Management

- (1) The Owner shall establish and maintain a written or digital record of complaints received and the responses made as required by this Approval.

14.8 Annual Report

- (1) By May 30th following the end of each operating year, the Owner shall prepare and submit to the District Manager an Annual Report summarizing the operation of the Site covering the previous calendar year. This Annual Report shall include, as a minimum, the following information:
(MW: Why May?)

- a. a monthly summary of the quality and the quantity of all incoming Organic Waste and outgoing Digestate, Residual Waste and Rejected Waste, including analytical data required to characterize the waste;
- b. material balance for each month documenting the amount of Organic Waste stored at the Site;
- c. a monthly summary of the quality and the quantity of the Digestate pumped to the Digestate Storage Tank;
- d. a monthly summary of the quality and the quantity of the Digestate shipped from the Site and its end-use designation (ie. Fertilizer or a non-exempted waste) and its final end-use destination (ie. agricultural or non-agricultural location) and address;
- e. annual amount of Biogas produced at the Site;
- f. annual amount of liquified CO₂ produced at the Site;
- g. annual amount of Renewable Natural Gas transferred from the Site to the natural gas distribution infrastructure;
- h. annual amount of liquified CO₂ transferred from the Site for beneficial re-use;
- i. annual duration of the Waste Gas Burner being used for Biogas combustion;
- j. any environmental and operational problems, that could negatively impact the environment, encountered during the operation of the Site or during Site inspections and any mitigative actions taken;
- k. any recommendations to minimize environmental impacts from the operation of the Site and to improve Site operation and monitoring programs in this regard;
- l. a summary of any complaints received and the responses made;

- m. a summary of any emergency situations, including use of over/under pressure relief valves, that have occurred at the Site and how they were handled;
- n. an update on the amount of Financial Assurance which has been provided to the Director;
- o. a summary of all inspections and maintenance carried out at the Site;
- p. summary of the PLC activities, if the PLC has been active in the previous year;
- q. a written statement that the Site was in compliance with the Approval; and
- r. any other information the District Manager requires from time to time.

15.0 CLOSURE

- (1) 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.
- (2) 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 Closure Plan has been implemented.

16.0 PUBLIC LIAISON COMMITTEE

- (1) Upon request from the District Manager, the Owner shall establish and maintain a Public Liaison Committee (PLC) for the Site.
- (2) The PLC shall serve as a forum for dissemination, consultation, review and exchange of information regarding the operation of the Site, including environmental monitoring, maintenance and complaint/public concerns resolution. In addition, the PLC will also be provided the opportunity to review and comment on any subsequent applications for new approvals or amendments to the existing approvals, under the EPA, for the Site.
- (3) The Owner shall invite representation from the following groups to participate on the PLC:
 - a. home owners and the businesses within 2,000 metres of the Site;
 - b. Sensitive Receptors within 2,000 metres of the Site;
 - c. any interested non-governmental organizations; and
 - d. any other interested person(s) or group(s).
- (4) If there is no interest from the groups listed in Condition 16.0(3) in establishing and participating in a new PLC or in participating in the existing PLC, the existing PLC may be suspended upon consent of the District Manager.

- (5) If the PLC is not established or is suspended, the Owner shall review the need for a PLC on an annual basis.

17.0 PUBLIC ACCESS to DOCUMENTATION

- (1) At all times, the Owner shall keep at the Site,
 - a. the documentation that describes the current operations of the Site; and
 - b. the documentation to be prepared and kept at the Site or to be prepared and submitted to the Ministry for review, as required by the environmental compliance approvals for the Site.
- (2) The Owner shall create a website for the Site and shall post the documentation listed in Condition 17.0(1) on the website. The website shall be kept up-to date at all times.
- (3) During regular business hours, the Owner shall make the documents listed in Condition 17.0(1) available for inspection at the Site by any interested member of the public.
- (4) Any information disclosure to the public shall be in accordance with the provisions of the *Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, C. F-31.

18.0 DISTRICT MANAGER NOTIFICATION

- (1) At least ninety (90) days prior to the planned commencement of Phase 2, the Owner shall notify the District Manager of the commencement date.

Schedule 1

1. Environmental Compliance Approval Application, dated July 31, 2023 and signed by David Veinot, Convertus Canada Ltd., including the following attachments entitled:
 - a. Cover letter dated July 31, 2023, signed by Tanya Bogoslawski, GHD
 - b. Attachment 2 entitled "Design and Operations Report", dated July 31, 2023 and prepared by GHD
 - c. Attachment 3 entitled "Consultation Documentation"
2. Email dated September 13, 2023 (5:31 PM) from Tanya Bogoslawski, GHD to Sara Sideris, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the public consultation and financial assurance, and including the following attachments:
 - a. 12605345 – Convertus Resident Notification Letter List.xlsx
 - b. 2023-09-13 Convertus York Biofuel Financial Assurance Calculation 2023.xlsx

- c. 12605345_2-2303_RPT001 – Parcel Map.pdf
 - d. 2021-11-01 Convertus York Financial Assurance Quotes.zip
3. Email dated February 16, 2024 (5:07 PM) from Tanya Bogoslawski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal and including the following attachment entitled "12605345-LRT-10-MECP Waste Comments.pdf".
 4. Email dated February 23, 2024 (4:51 PM) from Tanya Bogoslawski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing revisions to the proposal and including the following attachment entitled "Design and Operations Report" dated February 23, 2024 and prepared by GHD.
 5. Email dated July 8, 2024 (1:58 PM) from Tanya Bogoslawski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal.
 6. Email dated July 10, 2024 (4:55 PM) from Tanya Bogoslawski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal.
 7. Email dated July 12, 2024 (4:55 PM) and (12:29 PM) from Tanya Bogoslawski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal.
 8. Email dated July 24, 2024 (3:09 PM) from Tanya Bogoslawski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal and including an attachment entitled "6192-10 mm FOO-antistatisch_translated.pdf".
 9. Email dated July 26, 2024 (2:48 PM) from Ryan Loveday, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal and the draft waste disposal site environmental compliance approval and including the following attachments entitled:
 - a. 2024-7-12 Convertus AD - waste disposal site draft ECA - Convertus Review.docx
 - b. Appendix C - 2 of 3 - Waste Storage-Rev2.pdf
 - c. Appendix I - Financial Assurance Calculation 2023-Rev2.pdf
 10. Email dated August 21, 2024 (4:07 PM) from Tanya Bogoslawski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal and the draft waste disposal site environmental compliance approval and including the

following attachments entitled:

- a. Pasteurization Tank Layout_Convertus York_Process Building.pdf
 - b. 12605345-GHD-10-20-DRG-CI-D301-2024-08-02.pdf
 - c. 202408-21 Convertus AD – waste disposal site draft ECA – Convertus Review2.docx
11. Email dated September 10, 2024 (1:01 PM) from Tanya Bogoslowski, GHD to Margaret Wojcik, Ontario Ministry of the Environment, Conservation and Parks, providing additional information on the proposal and the draft waste disposal site environmental compliance approval and including the attachment entitled "202408-21 Convertus AD – waste disposal site draft ECA – Convertus Review2.docx".

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

GENERAL

Conditions 1.1, 1.4, 1.5, 1.6, 1.9 and 1.11 are included to clarify the legal rights and responsibilities of the Owner.

Conditions 1.2 and 1.3 are included to ensure that the Site is build and 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.

Condition 1.7(1) is included to ensure that the Site is operated under the corporate name which appears on the application form submitted for this approval and to ensure that the Director is informed of any changes.

Condition 1.7(3) is included to restrict potential transfer or encumbrance of the Site without the approval of the Director and to ensure that any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.

Condition 1.8 is included to ensure that the appropriate Ministry staff has ready access to the operations of the Site which are approved under this Approval. The Condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the EPA, the OWRA, the PA, the NMA and the SDWA.

Condition 1.10 is included 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.

SIGNS and SITE SECURITY

Condition 2.0 is included to ensure that the Site's users, operators and the public are fully aware of important information and restrictions related to the operation of the Site. Condition 2.0 is also included

to ensure that the Site is sufficiently secured, supervised and operated by properly Trained Personnel and to ensure controlled access and integrity of the Site by preventing unauthorized access when the Site is closed and no Site personnel is on duty.

SERVICE AREA, APPROVED WASTE TYPES and RATES

Condition 3.0 is included to specify the approved Wastes receipt rate, the approved Wastes types and the service area from which the Wastes may be accepted at the Site based on the Owner's application and supporting documentation.

SITE OPERATIONS

Condition 4.1 is included to specify the hours of operation for the Site to ensure that the hours of Site's operation do not result in an Adverse Effect or a hazard to the natural environment or any person.

Conditions 4.3 through 4.19 are included to ensure that waste storage and management, run-off management and the discharges of emissions to the atmosphere are undertaken in done in a way which does not result in an Adverse Effect or a hazard to the environment or any person and are 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.

Condition 4.3 is also included to ensure that only the approved the Waste types are accepted and handled/processed at the Site.

Condition 4.5 is also included to specify the amounts of waste approved to be stored at the Site for the purpose of calculating the Financial Assurance requirements for the Site.

SITE/EQUIPMENT INSPECTION and MAINTENANCE

Condition 5.0 is included to require the Site, including the Equipment, to be inspected and the Equipment be maintained thoroughly and on a regular basis to ensure that the operations at the Site are undertaken in a manner which does not result in an Adverse Effect or a hazard to the health and safety of the environment or any person.

QUALITY CRITERIA

Conditions 6.0(1) and 6.1 are included to identify the parameters to be tested to ensure that the incoming Organic Waste is appropriate as a feedstock for Anaerobic Digestion and to produce the Digestate suitable for spreading on agricultural land.

Conditions 6.0(1), and 6.2 are included to identify the parameters to be tested for when the Digestate or the Clean-Out Material is destined for land application following the processing at the Site.

Conditions 6.0(1), and 6.3 are included to identify the requirements for management of the Residual

Waste generated at the Site.

Conditions 6.0(1), and 6.4 are included to identify the Renewable Natural Gas quality criteria required by the owner and the operator of the natural gas distribution infrastructure.

Conditions 6.0(1), and 6.5 are included to identify the liquified CO₂ quality criteria required by the applicable regulatory agency responsible for oversight of the intended use and as required by the user.

TESTING and MONITORING

Conditions 7.1 and 7.2 are included to ensure that the Owner accepts and processes only the waste types that are approved in this Approval and that those wastes that are appropriate for Anaerobic Digestion approved under this Approval.

Conditions 7.1 and 7.2 are also included to ensure that the Owner regularly tests the incoming Organic Waste received for processing at the Site to verify its compatibility with the proposed processing and the proposed final end-use of the Digestate.

Conditions 7.1, 7.3 and 7.4 are included to ensure that the Owner regularly tests the Digestate and the Clean-Out Material generated at the Site to verify its compatibility with the proposed final end-use or Final Disposal destination.

Condition 7.5 is included to specify the process monitoring parameters required for a properly functioning operation as per the consensus in the industry and the Ministry's requirements.

Condition 7.6 is included to require the monitoring and testing of the Renewable Natural Gas required for a properly functioning operation as per the consensus in the industry and the Ministry's requirements.

Condition 7.7 is included to require testing of the liquified CO₂ to ensure compliance with the applicable regulatory agency responsible for oversight of the intended use and as required by the user.

END-USE of of OUTPUTS

Condition 8.0 is included to ensure that all outputs from management of waste at the Site are properly managed, processed and disposed of in accordance with the Ministry's regulatory requirements and in a manner that protects the health and safety of the public and the environment.

NUISANCE IMPACT CONTROL and HOUSEKEEPING

Condition 9.0 is included to ensure that the Site is operated and maintained in an environmentally acceptable manner which does not result in a negative impact on the natural environment or any person.

COMPLAINTS MANAGEMENT

Condition 10.0 is included to require the Owner to respond to any environmental complaints resulting

from the operations at the Site appropriately and in a timely manner and that appropriate actions are taken to prevent any further incidents that may cause complaints in the future.

OPERATIONS MANUAL and STAFF TRAINING

Condition 11.0 is included to ensure that personnel employed at the Site are fully aware and properly trained on the requirements and restrictions related to Site operations under this Approval.

CONTINGENCY MEASURES and EMERGENCY SITUATION RESPONSE PLAN

Condition 12.0 is included to ensure that the Owner is prepared and properly equipped to take action in the event of an emergency situation.

EMERGENCY SITUATIONS RESPONSE and REPORTING

Condition 13.0 is included to require further spill notification to the Ministry, in addition to the requirements already listed in Part X of the EPA.

RECORDS KEEPING and RETENTION

Condition 14.0 is included to ensure that detailed records of Site activities, inspections, monitoring and upsets are recorded and maintained for inspection and information purposes.

SITE CLOSURE

Condition 15.0 is included to ensure that final closure of the Site is completed in accordance with Ministry's standards.

PUBLIC LIAISON COMMITTEE

Condition 16.0 is included to require the Owner 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 and local authorities is important in helping to maintain high standards for Site operation and environmental protection.

PUBLIC ACCESS to DOCUMENTATION

Condition 17.0 is included to ensure that the public has access to information on the operation of the Site in order to participate in the activities of the PLC in a meaningful and effective way.

DISTRICT MANAGER NOTIFICATION

Condition 18.0 was included to require the notification to the District Manager to trigger submission of the Financial Assurance for Phase 2 and to allow the District Manager to take any appropriate action

prior to expansion of the Site.

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.

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 20th day of September, 2024



Mohsen Keyvani, P.Eng.
Director
appointed for the purposes of Part II.1 of the

MW/

c: District Manager, MECP York-Durham
TANYA BOGOSLOWSKI P. Eng., GHD Limited