

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 0698-BUFJ4D

Issue Date: October 30, 2020

LK Aurora Inc.
208 Oxford Street
Richmond Hill, Ontario
L4C 4L7

Site Location: LK Aurora Sewage Disposal
Part of Lot 21, Concession 8
Town of Whitchurch-Stouffville, Regional Municipality of York
L4A 7X4

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

the establishment of sewage Works for the treatment and subsurface disposal of sanitary sewage with a Rated Capacity of 34,400 L/day servicing a commercial development consisting of ten (10) retail stores, doctor's/medical offices and five (5) - ten (10) seat restaurants located within Commercial Building "A" and one (1) - fifty eight (58) seat restaurant located within Commercial Building "B", in the Town of Whitchurch-Stouffville, Regional Municipality of York, consisting of the following:

SEWAGE COLLECTION SYSTEM

- one (1) 1.2 m diameter one-compartment concrete pumping station, located east of Commercial Building "B", receiving effluent from grease interceptors servicing Commercial Building "B" and raw sewage from Commercial Building "B", housing two (2) submersible sewage pumps (BJM SV400 or equivalent), each pump capable of handling 175 L/min at a total dynamic head (TDH) of 3 m, complete with a watertight access cover, discharge piping and level regulators including a high level alarm system, discharging via a 50 mm diameter forcemain to a flow equalization tank;

PRE-TREATMENT SYSTEM

- two (2) 4,500 L three-compartment precast concrete grease interceptors, connected in series, located east of the northern portion of Commercial Building "A", collecting wastewater from kitchen facilities of Commercial Building "A", discharging by gravity to a flow equalization tank, located east of the northern portion of Commercial Building "A";
- two (2) 4,500 L three-compartment precast concrete grease interceptors, connected in series, located east of

Commercial Building "B", collecting wastewater from kitchen facilities of Commercial Building "B", discharging by gravity to the 1.2 m diameter concrete pumping station located east of Commercial Building "B";

- one (1) 27,500 L one-compartment concrete flow equalization tank, located east of the northern portion of Commercial Building "A", housing two (2) vortex equalization sewage pumps (BJM Model SV400 or equivalent) time dosing effluent to a sludge storage/primary clarifier tank over a 24-hour period at a maximum rate of 1,433 L/hour, equipped with a watertight access cover, discharge piping and level regulators including a high level alarm system;

PRIMARY TREATMENT SYSTEM

- one (1) 69,400 L two-compartment concrete sludge storage/primary clarifier tank located east of the northern portion of Commercial Building "A", housing a 46,500 L sludge storage chamber and a 22,900 L primary clarifier chamber, effluent from the primary clarifier chamber discharging by gravity to Bioreactor #1;

SECONDARY TREATMENT SYSTEM

- a moving bed biofilm reactor (MBBR) tertiary treatment system (Tertiary Sewage Treatment Plant) utilizing a fluidized floating bed biofilm process, located east of the northern portion of Commercial Building "A", designed to provide treatment to a balanced over a 24-hour period daily design sewage flow of 34,400 L/day, consisting of the following:
 - two (2) 22,730 L one-compartment moving bed biofilm bioreactors (Bioreactors # 1 and #2), Bioreactor # 1 having a working volume of 22,500 L and receiving effluent from the 22,900 L primary clarifier chamber of the sludge storage/primary clarifier tank and Bioreactor # 2 having a working volume of 22,500 L and receiving effluent from an intermediate clarifier tank, the bioreactors (Bioreactors #1 and #2) containing a combined volume of 17.4 m³ of specially designed plastic carrier media having an approximate specific surface area of 8,700 m² (500 m²/m³), each bioreactor equipped with twenty (20) fine bubble diffusers, Bioreactor #2 housing one (1) recirculation pump (Goulds Model LSP0311F or equivalent) discharging to the 46,500 L sludge storage chamber of the 69,400 L two-compartment concrete sludge storage/primary clarifier tank, Bioreactor # 1 discharging by gravity to an intermediate clarifier tank and Bioreactor # 2 discharging to a secondary clarifier/intermediate pump tank;
 - one (1) 27,500 L one-compartment intermediate clarifier tank having a working volume of 18,400 L, receiving effluent from Bioreactor #1, complete with three (3) sloped wall hoppers and equipped with a surface skimmer, one (1) floating sludge (simmer) pump (Goulds Model LSP0311F or equivalent) and three (3) submersible sludge return pumps (Goulds Model LSP0311F or equivalent) discharging to the 46,500 L sludge storage chamber of the 69,400 L two-compartment concrete sludge storage/primary clarifier tank, effluent from the intermediate clarifier tank discharging by gravity to Bioreactor # 2;
 - one (1) 27,500 L two-compartment secondary clarifier/intermediate pump tank, housing a secondary clarifier chamber having a working volume of 11,700 L and an intermediate pump chamber having a working volume of 8,100 L, the secondary clarifier chamber receiving effluent from Bioreactor #2, the secondary clarifier chamber complete with two (2) sloped wall hoppers and equipped with a surface skimmer, one (1) floating sludge (simmer) pump (Goulds Model LSP0311F or equivalent) and two (2) submersible sludge return pumps (Goulds Model LSP0311F or equivalent) discharging to the 46,500 L

sludge storage chamber of the 69,400 L two-compartment concrete sludge storage/primary clarifier tank, effluent from the secondary clarifier discharging by gravity to the intermediate pump chamber, the intermediate pump chamber housing two (2) effluent pumps (Liberty Model 280 or equivalent) discharging on a time-dosed basis to a nitrification system;

DENITRIFICATION SYSTEM

- a passive single-pass filter system consisting of one (1) 68,200 L one-compartment concrete Nitrex Filter tank, located east of the northern portion of Commercial Building "A", with effluent from the intermediate pump tank applied to the surface of a reactive media having approximately 62 m³ of total volume of wood based reactive media (wood chips) and collected at the bottom of the tank, discharging by gravity to a final polishing treatment unit;
- a final polishing treatment unit consisting of one (1) 15,900 L two-compartment moving bed biofilm bioreactor (Bioreactor # 3)/tertiary clarifier tank, housing a moving bed biofilm bioreactor (Bioreactor # 3) chamber having a working volume of 5,100 L and a tertiary clarifier chamber having a working volume of 6,500 L, Bioreactor # 3 chamber receiving effluent from Nitrex Filter tank, the chamber containing approximately 1.7 m³ of specially designed plastic carrier media, equipped with four (4) fine bubble diffusers and discharging by gravity to the tertiary clarifier chamber complete with one (1) sloped wall hopper and equipped with a surface skimmer, one (1) floating sludge (simmer) pump (Goulds Model LSP0311F or equivalent) and one (1) submersible sludge return pump (Goulds Model LSP0311F or equivalent) discharging to the 46,500 L sludge storage chamber of the 69,400 L two-compartment concrete sludge storage/primary clarifier tank, effluent from the moving bed biofilm bioreactor (Bioreactor # 3)/tertiary clarifier tank discharging by gravity to a final effluent pumping station;

CONTINGENCY DENITRIFICATION SYSTEM

- provisions for a future sand filter (equivalent to Parkson Ecowash sand filter tank), when deemed necessary to ensure the compliance to meet effluent limits identified in this Approval;

SUBSURFACE DISPOSAL SYSTEM

- one (1) 9,000 L one-compartment concrete final effluent pumping station located east of the northern portion of Commercial Building "A", housing two (2) 1/2 HP timed controlled effluent pumps (BJM Model J400 or equivalent), each pump capable of handling 200 L/min at a total dynamic head (TDH) of 4 m, complete with a watertight access cover, discharge piping and level regulators including a high level alarm system, discharging via two (2) 50 mm diameter forcemains to a subsurface disposal system, each forcemain conveying twelve (12) cycles per day per cell of an approximately volume of 1,430 L/cycle within a maximum of 10 min. period for a total of 17,160 L/day to each cell of a subsurface disposal system;
- an underground Type A dispersal bed located north of the southern portion of Commercial Building "A", consisting of two (2) cells, each cell having a top area of 368 m² (16 m wide by 23 m long and a minimum 300 mm deep layer of clean washed hard stone meeting OBC specifications), a basal area of 368 m² (16 m wide by 23 m long and a minimum 300 mm deep layer of unsaturated clean sand that has a percolation time of at least 6 and not more than 10 min. and not more than 5% fines passing through a 0.074 mm (No. 200) sieve meeting OBC specifications) and a total length of 352 m (per cell) of 75 mm diameter perforated distribution piping installed in sixteen (16) - 22 m long runs, spaced at a minimum centre to centre distance of 1 m, within the stone layer overlaying the sand filter layer;

- all other monitoring and control systems, air compressors, electrical equipment, mechanical components, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage Works;

all in accordance with the Supporting Documentation listed in Schedule 'A'.

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

1. "Approval" means this entire Approval document and any Schedules to it, including the application and Supporting Documentation;
2. "BOD₅" (also known as TBOD₅) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;
3. "CBOD₅" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
4. "Composite Sample" means a sample made up of at least 8 individual samples taken approximately one hour apart, collected over a time period of 8 consecutive hours;
5. "Director" means a person appointed by the Minister pursuant to Section 5 of the EPA for the purposes of Part II.I of the EPA;
6. "Grab Sample" means an individual sample of at least 1000 millilitres collected in an appropriate container at a randomly selected time over a period of time not exceeding 15 minutes;
7. "District Manager" means the District Manager of the York-Durham District Office of the Ministry;
8. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
9. "Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of a named equipment;
10. "Licensed Installer" means a person who is registered under the OBC to construct, install, repair, service, clean or empty on-site sewage systems;
11. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;
12. "Monthly Average Concentration" is the mean of all sample results of the concentration of a contaminant in the final effluent sampled or measured during a calendar month;
13. "OBC" means the Ontario Building Code;

14. "Owner" means LK Aurora Inc. and its successors and assignees;
15. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40, as amended;
16. "Professional Engineer" means a person entitled to practice as a Professional Engineer in the Province of Ontario under a licence issued under the *Professional Engineers Act* ;
17. "Rated Capacity" means design daily sanitary sewage flow for which the Works are approved to handle;
18. "Supporting Documentation" means the documents listed in Schedule A of this Approval; and
19. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

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

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
3. Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence, and where there is a conflict between the documents in the Schedule, the document bearing the most recent date shall prevail.
4. Where there is a conflict between the documents listed in the Schedule submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
5. The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

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

3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - a. change of Owner;
 - b. change of address of the Owner;
 - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act* , R.S.O. 1990, c.B17 shall be included in the notification to the District Manager;
 - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the *Corporations Informations Act* , R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.
2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

4. CONSTRUCTION

1. The Owner shall ensure that the construction of the Works is supervised by a Licensed Installer or a Professional Engineer, as defined in the *Professional Engineers Act* .
2. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the Ontario Building Code are satisfied.
3. The Owner shall ensure that the Tertiary Sewage Treatment Plant and the Nitrex Filter are installed in accordance with the Manufacturer's Installation Manual.
4. The Owner shall ensure that an imported soil that is required for construction of any subsurface disposal bed as per this Approval is tested and verified by the Professional Engineer or Licensed Installer for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.
5. Upon construction of the Works, the Owner shall prepare a statement, certified by a Licensed Installer or a Professional Engineer, that the Works are constructed in accordance with this Approval, and upon request, shall make the written statement available for inspection by Ministry

staff.

6. Upon construction of the Works, the Owner shall prepare a set of as-built drawings showing the Works "as constructed". "As-built" drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the site for the operational life of the Works and shall be made available for inspection by Ministry staff.

5. MONITORING AND RECORDING

The Owner shall, upon commencement of operation of the Works, carry out the following monitoring program:

1. All samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
2. Samples shall be collected at the sampling point, at the sampling frequency and using the sample type specified for each parameter listed in the Influent Monitoring Table included in Schedule B.
3. Samples shall be collected at the sampling points, at the sampling frequency and using the sample types specified for each parameter listed in the Effluent Monitoring Table included in Schedule B.
4. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to the Type A dispersal bed, including but not limited to water/wastewater flow meters, event counters, running time clocks, or electronically controlled dosing, and shall record the daily volume of effluent being discharged to the Type A dispersal bed.
5. The Owner shall ensure that flow of treated effluent discharged into the Type A dispersal bed does not exceed 34,400 L/day.
6. The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:
 - a. the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only)", as amended from time to time by more recently published editions;
 - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions; and
 - c. the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.
7. The Owner shall retain for a minimum of five (5) years from the date of their creation, all records

and information related to or resulting from the monitoring activities required by this Approval.

6. EFFLUENT OBJECTIVES

1. The Owner shall use best efforts to design, construct and operate the Works with the objective that the concentrations of the materials named as effluent parameters in the Effluent Objectives Table listed in Schedule B are not exceeded in the effluent being discharged to the Type A dispersal bed.
2. For the purposes of subsection (1):
 - a. The Monthly Average Concentration of CBOD₅, TSS and TAN and Nitrate-Nitrogen named in Column 1 of Effluent Objectives Table listed in Schedule B, should be compared to the corresponding concentration set out in Column 2 of Effluent Objectives Table listed in Schedule B.

7. EFFLUENT LIMITS

1. The Owner shall design, construct, operate and maintain the Works such that the concentrations of the materials named as effluent parameters in the Effluent Limits Table in Schedule B are not exceeded in the effluent being discharged to the Type A dispersal bed:
2. For the purposes of determining compliance with and enforcing subsection (1):
 - a. The Monthly Average Concentration of CBOD₅, TSS and TAN and Nitrate-Nitrogen named in Column 1 of Effluent Limits Table listed in Schedule B shall not exceed the corresponding maximum concentration set out in Column 2 of Effluent Limits Table listed in Schedule B.

8. OPERATIONS AND MAINTENANCE

1. The Owner shall prepare an operations manual within six (6) months of the introduction of sewage to the Works, that includes, but not necessarily limited to, the following information:
 - a. operating procedures for routine operation of all the Works;
 - b. inspection programs, including frequency of inspection, for all the Works and the methods or tests employed to detect when maintenance is necessary;
 - c. repair and maintenance programs, including the frequency of repair and maintenance for all the Works; copies of maintenance contracts for any routine inspections & pump-outs should be included for all the tanks and treatment units;
 - d. procedures for the inspection and calibration of monitoring equipment;
 - e. a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal

situations, including notification of the District Manager; and

- f. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
2. The Owner shall maintain the operations manual current and retain a copy at the location of the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
3. The Owner shall, upon the construction, prepare and make available for inspection by Ministry staff, a maintenance agreement with the manufacturer for the treatment process/technology or its authorized agent. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
4. The Owner shall ensure that the grease interceptors are inspected and maintained on regular basis as required, and grease is disposed off site by a licensed hauler (e.g. at approved recycling sites).
5. The Owner shall ensure that effluent dosing pumps are inspected, tested and calibrated on annual basis, to ensure compliance with this Approval.
6. The Owner shall ensure that grass-cutting is maintained regularly over the Type A dispersal bed and the surface of the Type A dispersal bed is visually inspected on a monthly basis. In the event a break-out is observed from the Type A dispersal bed, the Owner shall ensure that the sewage discharge to the bed is discontinued and the incident immediately reported verbally to the District Manager, followed by a written report within one (1) week. The Owner shall ensure that during the time remedial actions are taking place the sewage generated at the site shall not be allowed to discharge to a surface water body or to the environment, and shall be safely collected and disposed off through a licensed waste hauler to an approved waste disposal site.
7. The Owner shall ensure that adequate steps are taken to ensure that the area of the Works are protected from all forms of vehicle traffic.
8. The Owner shall maintain a logbook to record the results of Operation and Maintenance activities specified in the above subclauses, and shall keep the logbook at the site and make it available for inspection by the Ministry staff.
9. The Owner shall employ for the overall operation of the Works a person who possesses the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.

9. REPORTING

1. One week prior to the start up of the operation of the Works, the Owner shall notify the District Manager (in writing) of the pending start up date.
2. The Owner shall report to the District Manager or designate, any exceedence of any parameter specified in Condition 7 orally, as soon as reasonably possible, and in writing within seven (7) days

of the exceedence.

3. In addition to the obligations under Part X of the Environmental Protection Act, the Owner shall, within 10 working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.
4. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
5. The Owner shall prepare, and submit in a format acceptable to the District Manager, a performance report, on an annual basis, within 90 days following the end of the period being reported upon. The first such report shall cover the first twelve (12) month period following the commencement of operation of the Works and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall be submitted to the District Manager, the Director and the Ministry's Standard Development Branch, and shall contain, but shall not be limited to, the following information:
 - a. the complete collected raw data as required by Condition 5 (Influent Monitoring Table and Effluent Monitoring Table) and a summary and interpretation of raw sewage and effluent monitoring data including a comparison to the Effluent Objectives and Limits outlined in Condition 6 and 7 respectively submitted in digital Excel format (on digital media along with the written report), including an overview of the success and adequacy of the Works;
 - b. a tabulation of the total daily volume of effluent disposed through the Type A dispersal bed during the reporting period and results achieved in not exceeding the maximum daily sewage flow discharged into the Type A dispersal bed;
 - c. a review and assessment of performance of sewage Works, including all treatment units and the Type A dispersal bed;
 - d. a confirmation that effluent dosing pumps were inspected, tested and calibrated to ensure that the maximum quantity of effluent dosed to the Type A dispersal bed will not be exceeded;
 - e. a description of any operating problems encountered and corrective actions taken for all sewage Works located at the property;
 - f. a record of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of all Works located at the property, including but not limited to: records of maintenance inspections for the treatment system, records of sludge pump-outs accumulated from the treatment system and records of visual inspections of the Type A dispersal bed;
 - g. a summary of any effluent quality assurance or control measures undertaken in the reporting

- period;
- h. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
 - i. a summary of any by-pass, spill or abnormal discharge events;
 - j. any other information the District Manager requires from time to time.

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

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to ensure that the Works are constructed, and may be operated and maintained such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
5. Condition 5 is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives and Effluent Limits specified in the Approval and that the Works does not cause any impairment to the environment.
6. Condition 6 is imposed to establish non-enforceable effluent quality objectives which the Owner is obligated to use best efforts to strive towards on an ongoing basis. These objectives are to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs.
7. Condition 7 is imposed to ensure that the effluent discharged from the Works to the groundwater meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver.
8. Condition 8 is included to require that the Works be properly operated, maintained, and equipped such that the environment is protected. As well, the inclusion of an operations manual, maintenance agreement with the manufacturer for the treatment process/technology and a complete set of "as constructed" drawings governing all significant areas of operation, maintenance and repair is prepared, implemented and kept

up-to-date by the Owner and made available to the Ministry. Such information is an integral part of the operation of the Works. Its compilation and use should assist the Owner in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the Owner's operation of the Work.

9. Condition 9 is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this Approval, so that the Ministry can work with the Owner in resolving any problems in a timely manner.

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

SCHEDULE 'A'

1. Environmental Compliance Approval Application submitted by Caitlin Larwa, P.Eng., Lead -Rural Development, Environment, WSP Canada Inc., dated May 6, 2019 and received on October 16, 2019.
2. The design report titled "LK Aurora - MECP ECA Addendum Report, Part of Lot 21, Concession 8, Town of Whitchurch-Stouffville, LK Aurora Inc., Project No. 131-19528-01" dated October 11, 2019, specifications and engineering drawings, all prepared by WSP Canada Inc.
3. All additional documentation provided by WSP Canada Inc.
4. Environmental Compliance Approval Application submitted by WSP Canada Inc., dated June 10, 2018 and received on June 28, 2018.
5. The design report titled "LK Aurora - MOECC ECA Addendum Report, Part of Lot 21, Concession 8, Town of Whitchurch-Stouffville, LK Aurora Inc." dated June 27, 2018, specifications and engineering drawings, all prepared by WSP Canada Inc.
6. All additional documentation provided by WSP Canada Inc.
7. Environmental Compliance Approval Application submitted by WSP Canada Inc., dated September 17, 2014 and received on October 7, 2014.
8. The design report titled "LK Aurora MOE Sewage System Design, Part of Lot 21, Concession 8, Town of Whitchurch-Stouffville, Regional Municipality of York, John Colangelo" dated September 2014, specifications and engineering drawings, all prepared by WSP Canada Inc.
9. The design addendum report titled "Design Addendum Proposed LK Aurora Development, Part of Lot 21, Concession 8, Town of Whitchurch-Stouffville, Regional Municipality of York, Project 131-19528-00" dated September 23, 2015, prepared by WSP Canada Inc.

Schedule B

Influent Monitoring Table

Sampling Location	upstream of the Tertiary Sewage Treatment Plant
Frequency	Monthly (once every month)
Sample Type	Grab
Parameters	BOD ₅ , Total Suspended Solids (TSS), Total Kjeldahl Nitrogen (TKN)

Effluent Monitoring Table

Sampling Locations	1) Effluent discharged from the Tertiary Sewage Treatment Plant; and 2) Effluent discharged from the final effluent pumping station	
Effluent Parameter	Frequency	Sample Type
CBOD ₅	Bi-Weekly (once every two weeks)	Minimum 8-hour Composite
Total Suspended Solids (TSS)	Bi-Weekly	Minimum 8-hour Composite
Total Kjeldahl Nitrogen (TKN)	Bi-Weekly	Minimum 8-hour Composite
Total Ammonia Nitrogen (TAN)	Bi-Weekly	Minimum 8-hour Composite
Nitrite Nitrogen	Bi-Weekly	Minimum 8-hour Composite
Nitrate Nitrogen	Bi-Weekly	Minimum 8-hour Composite
Alkalinity	Bi-Weekly	Grab
pH	Bi-Weekly	Grab
Temperature (ambient and wastewater)	Bi-Weekly	Grab

Schedule B

Effluent Objectives Table

Effluent Parameter	Concentration Objective (milligrams per litre unless otherwise indicated)
CBOD ₅	<10
Total Suspended Solids (TSS)	<10
Total Ammonia Nitrogen (TAN) and Nitrate Nitrogen	<2.5

Effluent Limits Table

Effluent Parameter	Concentration Limits (milligrams per litre unless otherwise indicated)
CBOD ₅	10
Total Suspended Solids (TSS)	10
Total Ammonia Nitrogen (TAN) and Nitrate Nitrogen	2.5

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 1109-BBRQJ2 issued on May 29, 2019.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review 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 shall state:

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

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

The Notice should also include:

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

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

This Notice must be served upon:

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

AND

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th.Floor
Toronto, Ontario
M7A 2J3

AND

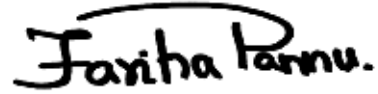
The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

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

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 30th day of October, 2020



Fariha Pannu, P.Eng.

Director

appointed for the purposes of Part II.1 of the
Environmental Protection Act

KC/

c: District Manager, MECP York-Durham District Office

Caitlin Larwa, P.Eng., Lead-Rural Development, Environment, WSP Canada Inc.

Andrew Jurrius, Chief Building Official, Town of Whitchurch-Stouffville