AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2725-BXQNKJ
Issue Date: March 26, 2021

Mailing Addresses for Owners:

Poltawa Country Club Corporation
55 Odessa Boulevard
Terra Cotta, Ontario
L7C 1R2

The Individual Works Owners as listed in Schedule B

Site Location: Site Location/Parcel

PT LT 27 CON 5 WHS CHINGUACOUSY; PT LT 28 CON 5 WHS CHINGUACOUSY; PT LT 27 CON 6 WHS CHINGUACOUSY; PT RDAL BTN CONS 5 & 6 WHS CHINGUACOUSY; PT RDAL

BTN LTS 27 & 28 CON 5 WHS CHINGUACOUSY; PT RDAL BTN LTS 27 & 28 CON 6 WHS CHINGUACOUSY; CALEDON,

being all of PIN 14259-0064 (R) and as outlined in Plan 43R-15317 dated January 15, 1988 describing Parts 1 to 120 thereon

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:

sewage works for the collection, treatment and disposal of domestic sewage from single family homes located on the Parcel consisting of the Individual Works described in Schedule B of this Approval.

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

"Approval" means this entire Approval document and any Schedules to it, including the application and Supporting Documentation;

"BOD_5" (also known as $TBOD_5$) means five day biochemical oxygen demand measured in an unfiltered

sample and includes carbonaceous and nitrogenous oxygen demand;

"$CBOD_5$" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;

"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;

"District Manager" means the District Manager of the Halton Peel District Office;

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

"Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of a named equipment;

"Existing Works" means those portions of the Works included in the Approval that have been constructed previously;

"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;

"Individual Works" means the sewage works specific to an Individual Works Owner as described in Schedule "B" of this Approval who has entered into an agreement with Poltawa regarding the use of a lot on the Parcel and the establishment and use of the Individual Works;

"Individual Works Owner" means a person who has entered into an agreement whether by way of license or other legal arrangement with Poltawa regarding the use of a lot on the Parcel for the establishment and use of the Individual Works;

"Licensed Installer" means a person who is registered under the OBC to construct, install, repair, service, clean or empty on-site sewage systems;

"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;

"OBC" means the Ontario Building Code, Ontario Regulation 332/12 (Building Code) as amended to January 1, 2015, made under the *Building Code Act, 1992, S.O. 1992, c. 23* ;

"Owners" means the Parcel Owner and the Works Owner;

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

"Parcel" means the parcel of land legally described as outlined on page 1 of this Approval;

"Poltawa" means the Poltawa Country Club Corporation the owner of the Parcel, and its successors and

assignees;

"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* ;

"Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;

"Supporting Documentation" means the documents listed in Schedule A of this Approval;

"Total Suspended Solids" is the dry weight of suspended particles, that are not dissolved, in a sample of water that can be trapped by a filter that is analyzed using a filtration process.

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

2. 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.

3. In respect of each Individual Works, Poltawa and the Individual Works Owner shall, jointly and severally, ensure that the following conditions are fulfilled:.

4. In respect of each Individual Works, Poltawa and the Individual Works Owner shall jointly and severally, ensure that the following conditions are fulfilled:

    a. Any person authorized to carry out work on or operate any aspect of the Individual Works shall be notified of this Approval and the conditions herein, and that any such person shall comply complies with this Approval.

    b. The Individual Works shall be designed, built, installed, operated and maintained in accordance with the description given in this Approval.

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 which they were added to Schedule B of this Approval.

3. CHANGE OF OWNERS

1. The Owners 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 the owner of the Parcel;

    b. change of mailing address of the owner of the Parcel;

    c. change of ownership of any Individual Works;

    d. change of any mailing address of any Individual Works Owner;

    e. change of partners where Poltawa at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act,* R.S.O. 1990, c. B.17 shall be included in the notification to the District Manager;

    f. change of partners where an Individual Works Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act,* R.S.O. 1990, c. B.17 shall be included in the notification to the District Manager;

    g. change of name of the corporation where Poltawa changes its name at any time and a copy of the most current information filed under the *Corporations Information Act,* R.S.O. 1990, c. C.39 shall be included in the notification to the District Manager;

    h. change of name of the corporation where an Individual Works Owner is or at any time becomes a corporation, and a copy of the most current information filed under the *Corporations Information Act,* R.S.O. 1990, c. C.39 shall be included in the notifications to the District Manager;

2. In the event of any change in ownership of the Parcel, Poltawa shall notify in writing the succeeding owner of the Parcel of the existence of this Approval and a copy of such notice shall be forwarded to the District Manager.

3. In the event of any change of the Individual Works Owner, the former Individual Works Owner shall notify in writing the succeeding owner of the Individual Works of the existence of this Approval and a copy of such notice shall be forwarded to the District Manager.

4. Poltawa and the Individual Works Owners shall ensure that all communications made pursuant to this condition will refer to this Approval's number.

4. CONSTRUCTION

In respect of each Individual Works, Poltawa and the Individual Works Owners shall, jointly and severally ensure, that the following conditions are fulfilled:

1. The construction of the Individual Works shall be supervised by a Licensed Installer or a Professional Engineer.

2. Upon construction of the Individual Works, a statement certified by a Licensed Installer or a Professional Engineer shall be prepared, that the Individual Works are constructed in accordance with this Approval, and a copy shall be retained at the site of the Individual Works for the operational life of the Individual Works and shall be made available for inspection by Ministry staff.

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

5a. OPERATIONS AND MAINTENANCE (for systems that do not have a treatment unit other a septic tank)

In respect of Individual Works that do not have a treatment unit other than a septic tank, Poltawa and the Individual Works Owner shall, jointly and severally, ensure that the following conditions are fulfilled:

1. The Owners shall ensure that at all times, the Individual Works and related equipment and appurtenances which are installed or used to achieve compliance with this Approval are properly operated and maintained.

2. The Owners shall ensure that the septic tank(s) is pumped out every 3-5 years or when the tank is 1/3 full of solids and the effluent filter(s) is cleaned out at minimum once a year (or more often if required).

3. The Owners shall ensure that grass-cutting is maintained regularly over the subsurface disposal bed(s), and that adequate steps are taken to ensure that the area of the underground works is protected from vehicle traffic.

4. The Owners shall visually inspect the general sewage area for breakout once every month during the operating season. In the event a breakout is observed from the subsurface disposal bed(s), the Owners shall ensure that the sewage discharge to the bed(s) is discontinued and the incident immediately reported verbally to the District Manager, followed by a written report

within ten (10) days. The Owners 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 safely collected and disposed of through a licensed waste hauler to an approved waste disposal site.

5. The Owners shall maintain a logbook to record the results of Operation and Maintenance activities specified in the above sub-clauses and shall keep the logbook at the site and make it available for inspection by the Ministry staff.

6. The Owners shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the Operation and Maintenance activities required by this Approval.

5b. OPERATIONS AND MAINTENANCE (for systems that have a treatment unit in addition to a septic tank)

In respect of Individual Works that do have a treatment unit in addition to a septic tank, Poltawa and the Individual Works Owner shall, jointly and severally, ensure that the following conditions are fulfilled:

1. The Owners shall ensure that at all times, the Individual Works and related equipment and appurtenances which are installed or used to achieve compliance with this Approval are properly operated and maintained.

2. The Owners shall sign a Service and Maintenance Agreement with the manufacturer or approved agent of the treatment system. The maintenance agreement must be retained at the site for as long as the Individual Works are in operation, kept current and made available for inspection by the Ministry staff.

3. The Owners shall receive from the manufacturer or distributor of printed literature that describes the unit in detail and provides complete instructions regarding the operation, servicing, and maintenance requirements of the unit and its related components necessary to ensure the continued proper operation in accordance with the original design and specifications.

4. The Owners shall ensure that the treatment system is at minimum inspected annually by authorized personnel, and maintained according to the manufacturer's recommendations including minimal yearly effluent sampling for $CBOD_5$ and Total Suspended Solids to ensure that it meets design objectives of 10 mg/l for both $CBOD_5$ and Total Suspended Solids in a grab effluent sample before discharge to the subsurface disposal bed;

5. The Owners shall ensure that the septic tank(s) is pumped out every 3-5 years or when the tank is 1/3 full of solids and the effluent filter(s) is cleaned out at minimum once a year (or more often if required).

6. The Owners shall ensure that grass-cutting is maintained regularly over the subsurface disposal bed(s), and that adequate steps are taken to ensure that the area of the underground works is protected from vehicle traffic.

7. The Owners shall visually inspect the general area where sewage works are located for breakout once every month during the operating season. In the event a breakout is observed from the subsurface disposal bed(s), the Owners shall ensure that the sewage discharge to the bed(s) is discontinued and the incident immediately reported verbally to the District Manager, followed by a written report within ten(10) days. 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 safely collected and disposed of through a licensed waste hauler to an approved waste disposal site.

8. The Owners shall maintain a logbook to record the results of Operation and Maintenance activities specified in the above sub-clauses and shall keep the logbook at the site and make it available for inspection by the Ministry staff.

9. The Owners 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. REPORTING

1. One (1) week prior to the commissioning of any proposed Individual Works, the Owners shall notify the District Manager (in writing) of the pending start-up date.

2. In addition to the obligations under the Environmental Protection Act , Part X Spills, within 10 working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, loss of any product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, the Owners shall 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.

3. All manuals, plans, records, data, plans, records, data, procedures and supporting documentation in relation to the Individual Works shall be made available for inspection by Ministry staff upon request.

7. POLTAWA REPORTING

Poltawa shall on or before **December 31, 2021** provide to the District Manager a copy of the following:

1. a survey of the Parcel that outlines all of the lots thereon that are used by the Individual Works Owners;

2. the names and addresses of the Individual Works Owners;

3. a description of the Individual Works located at all the lots on the Parcel; and

4. a description of the plans made or to be made with all of the Individual Works Owners to submit a Environment Compliance Application for the sewage works to be added to this Approval.

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

The reason that the terms and conditions are imposed on both Poltawa and the Individual Works Owners is that Poltawa owns the Parcel, which under the OWRA and EPA requires that sewage works approvals be issued, and the Individual Works Owners are using, a sewage works on the Parcel. Poltawa has management and control of the approval process for activity on the Parcel, including but not limited to the approval for an Individual Works Owner to establish, operate and maintain Individual Works. Poltawa and the Individual Works Owners are in a contractual relationship whereby they are well placed to enter into such agreements as may be required to jointly and severally ensure that the terms and conditions of the Approval are met.

1. Condition 1 is included to emphasize the precedence of Conditions in the Approval and the practice that Approval is based on the most current document, if several conflicting documents are submitted for review. Condition 1 is imposed to ensure that Individual Works are built, installed , operated and maintained in a manner in which they were described for review and upon which approval was granted and that any person authorized to carry out work on or operate any aspect of an Individual Works is notified of this Approval and complies with its requirements.

2. Condition 2 is included to ensure that, when the Individual Works are constructed, the Individual 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 Parcel and the Individual Works.

4. Condition 4 is included to ensure that the Individual Works are constructed, such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.

5. Condition 5a pertains to subsurface systems that do not have a treatment unit in addition to a septic tank. The condition has been included so that the Individual Works be properly operated, maintained, and inspected such that the environment is protected.

6. Condition 5b pertains to subsurface systems that do have treatment unit in addition to a septic tank. The condition has been included to enable the Owners to evaluate and demonstrate the performance of the Individual Works, on a continual basis, so that the Individual Works are properly operated and maintained at a level which is consistent with the design objectives specified in the Approval and the Individual Works does not cause any impairment to the receiving watercourse.

7. Condition 6 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 Individual Owner in resolving any problems in a timely manner.

8. Condition 7 is included to ensure that information is available regarding all of the lots on the Parcel and the persons who have the rights to use the lots and the sewage systems in connection therewith and plans to have them approved by the Ministry and added to this Approval.

Schedule A

List of Supporting Documentation

1. Residence 18 - Application for Environmental Compliance Approval dated October 29, 2020 together with Design Brief dated November 13, 2020, and all other supporting documentation and correspondence and correspondence submitted by Anne Egan, P.Eng. of R.J. Burnside & Associates Limited.

2. Residence 28 - Application for Environmental Compliance Approval dated January 30, 2015 together with Design Brief dated February 12, 2015, Drawing SS1 (Project No. PWB019902.0028) and all other supporting documentation and correspondence and correspondence submitted by Anne Egan, P.Eng. of R.J. Burnside & Associates Limited.

3. Residence 58 - Application for approval of municipal and private sewage submitted by Katherine Rentsch, P.Eng. of R.J. Burnside dated May 5, 2017 and all other supporting documentation and correspondence .

4. Residence 60 - Application for approval of municipal and private sewage works submitted by Anne Egan, P.Eng. of R.J. Burnside & Associates Limited dated October 10,2013 and Josef Sirka dated September 13, 2013 and supporting technical documentation.

5. Residence 69 - Application for approval of municipal and private sewage submitted by Anne Egan, P.Eng. of R.J. Burnside received July 4, 2017 and all other supporting documentation and correspondence.

6. Residence 93 - Environmental Compliance Approval Application dated November 28, 2013 received on December 4, 2013 with all supporting documentation and correspondence.

7. Residence 94 - Field Alert Number 0168-9X5KC9, created on June 03, 2015, by Mr. Nick Fowler, Senior Environmental Officer, MOECC, Halton-Peel District Office.

8. Residence 102 - Environmental Compliance Approval Application submitted by Rita Kasab and Paul Sanchez dated July 14, 2014.

9. Residence 110 - Environmental Compliance Approval Application submitted by Jaroslav Pinchak dated August 22, 2018.

Schedule B

The following described the Individual Works that are the subject matter of this Approval.

Additional Individual Works shall be added form time to time by the Director by an amendment to this Approval.

List of Individual Works by Residence Address of Individual Works:

List of Former ECA Numbers

Residence No.	Address of Works	Former ECA no.
28	19 Lwiw Road	4671-9YUREM
60	35 Baturyn Road	4605-9FBLV3
93	36 Odessa Boulevard	6335-9HSL9V
94	40 Odessa Boulevard	3672-9YPJDW
102	2 Kiev Road	5617-9RPJPP

List of ECA Application Reference Numbers

Residence No.	Address of Works	ECA application reference no.
58	39 Baturyn Road	7707-AMFJ7V
69	7 Baturyn Road	5310-ANYPRA
110	25 Kiev Road	6609-B3GHXS

Schedule B - Residence 28

Ivan Peilpaka - #303 – 200 Queen Street, Mississauga, Ontario. L5M 1L3

Individual Works Location: Residence 28: 19 Lwiw Road, Terra Cotta, Ontario.

Description of Individual Sewage Works

a subsurface disposal system rated at a maximum design capacity of **1,850 litres per day (L/d)**, to service a proposed 3-bedroom residence located at the above noted Individual Works Location, consisting of the following:

Septic Tank with Hanging Pump Vault

one (1) two-compartment septic tank, Waterloo Biofilter Model ST-1060-HPV with a total capacity of 4,300 Litres (L), equipped with two watertight access risers with covers up to ground level and an OBC approved effluent filter, collecting wastewater from the dwelling and discharging effluent via a hanging pump vault located in the second compartment of the septic tank, equipped with a vent, high level audible/visual alarm system and one (1) submersible effluent pump (Little Giant WSV50HM or equivalent), rated at capacity of 49 L/min at TDH = 13 m, operating on demand to dose a Waterloo Biofilter treatment unit as described below.

Waterloo Biofilter

one (1) Waterloo Biofilter treatment unit (Model 20 HDPE), consisting of two compartments, with the first compartment bulk-filled with foam media , and the second compartment acting as a dosing and a recirculation chamber, equipped with one (1) recirculating pump to recirculate effluent back to the septic tank, and one (1) effluent pump (Little Giant WSVHM or equivalent), rated at capacity of 235 L/min and TDH of 9 m, providing a minimum pressure head of 600 mm in all points of each distribution system, dosing treated effluent to a proposed shallow buried trenches disposal bed at the maximum of 1,850 L/d via a 50 mm dia forcemain approximately 8.8 m long as described below.

Shallow Buried Trench

a shallow buried trench disposal field, consisting of six (6) runs @ 12.5 m each (total of 75 m), each a 25 mm dia pressure distribution pipe having the orifices of minimum 3 mm dia in size and spaced at 750 mm increments, installed inside infiltrator chambers (Quick 4 Equalizer 24 chamber or equivalent), all constructed in imported soil (T = 6-10 min/cm) placed below existing ground level, and providing a minimum of 300 mm layer below bottoms of infiltrators.

Schedule B - Residence 58

Maria Chlapak - 39 Baturyn Road, Terra Cotta, Ontario. L7C 1R6

Individual Works location: Residence 58: 39 Baturyn Road, Terra Cotta, Ontario

Description of Individual Sewage Works

a subsurface disposal system rated at a maximum design capacity of **1,600 litres per day (L/d)**, to service a proposed 3-bedroom residence located at the above noted Individual Works Location, consisting of the following:

Septic Tank

one (1) two-compartment septic tank having a total capacity of 4,500 L and riser and access hatches at both the inlet and outlet equipped with a effluent filter on the outlet of the tank.

Pump Chamber

effluent from the septic tank flows by gravity into a Waterloo Biofilter Model PC-5 pump chamber or approved equivalent, it is equipped with simplex Little Giant WSV50HM 0.5 Hp pump or approved equivalent, rated for 1.75 L/S and a TDH of 13.5 m.

Waterloo Biofilter

one (1) Waterloo Biofilter Model 20 Flat Bed rated for 2,100 L/Day consisting of two open-bottom units located directly on top of the stone layer of the Type A dispersal bed.

Type A Dispersal Bed

one(1) raised Type A dispersal bed, receiving effluent from the Waterloo Biofilter, consisting of a stone area layer of area of 24 m^2 (8 x 3 m) with a minumum thickness of 200 mm covered by geotextile fabric overlaying a minimum 300 mm imported sand layer with a total area of 278 m2 including a 15 m mantle extension, having a T time in the range of 6 to 10 min/cm. The bottom of the stone layer shall maintain a minimum separation distance of 600 mm between the bottom of the stone layer and native soil underlying soil with a T-time greater than 50 min/cm.

Schedule B - Residence 60

Terry Sirka - 35 Baturyn Road, Terra Cotta, Ontario. L7C 1R6

Individual Works location: Residence 60, 35 Baturyn Road. Town of Caledon, Region of Peel, Ontario

Description of Individual Sewage Works

a subsurface disposal works for the collection, transmission, treatment and disposal of domestic sewage with a maximum capacity of **1,950 litres per day** to service the proposed 3-bedroom residential building location on the above Individual Works Location, consisting of the following:

Septic Tank

one (1) two-compartment precast concrete septic tank, having a total capacity of 4,500 litres equipped with an approved effluent filter, receiving sewage from the existing building and discharging effluent to the Pump Chamber described below via gravity.

Pump Chamber

one (1) Waterloo Biofilter Model PC-5 pump chamber, equipped with one (1) submersible 0.5 HP effluent pump and simplex, demand-dose control panel, discharging via forcemain to the Waterloo Biofilter tertiary treatment unit as described below;

Tertiary Treatment System

one (1) Waterloo Bio filter Model 20 Flat Bed system, consisting of two FB-1000 Flat Bed units, each 3.0 m x 1.2m x 0.6 m deep, having a treatment rated capacity of 2,100 litres per day, installed directly on an absorption system beneath the treatment unit described below; a minimum stone area of 26 square metres (proposed 26.6 square metres) consisting of a minimum 250 millimetre thick layer of minimum 19 millimetre clear stone protected with a permeable Geo-textile fabric covering all areas beyond the confines of the Waterloo Biofilter treatment unit; a sand area of minimum 244 square metres (proposed 268 square metres) consisting of a layer of sand with a minimum thickness of 250 millimetres (proposed 300 mm) and a percolation rate of 6 to 10 minutes per centimetre, extending at least 15 metres beyond the perimeter of the Waterloo Biofilter treatment unit, in any direction in which the effluent entering the soil will move horizontally; and minimum 100 millimetres cover layer comprising sand backfill and topsoil on the top of the absorption system.

Schedule B - Residence 69

Pawel Czupak - 59 Simmons Boulevard, Brampton, Ontario. L6V 3V4

Individual Works Location: Residence 69: 7 Baturyn Road, Terra Cotta, Ontario

Description of Individual Sewage Works

a proposed subsurface disposal system rated at a maximum design capacity of **2,525 litres per day**, to service a proposed 4-bedroom residence for the collection, transmission, treatment and disposal of domestic sewage all located at the above Individual Works Location, consisting of the following:

Septic Tank

one(1) Waterloo Biofilter Anaerobic Digestor Model AD700 or approved equivalent with a working capacity of 6,060, providing for the settlement of solids and anaerobic digestion completed with risers and access hatches at both the inlet and outlet.

Pump Chamber

Effluent from Anaerobic Digester flows by gravity into a Waterloo Biofilter Model PT2800 pump chamber or approved equivalent, it is equipped with timer controlled simplex Little Giant WSV50HM 0.5 Hp or approved equivalent.

Waterloo Biofilter

one (1) Waterloo Biofilter treatment unit (Model BFHD30) consisting of two compartments, the first compartment filled with foam and the second compartment is equipped with a simplex submersible pump for bed dosing and recirculation, equipped with one (1) recirculating pump model 0.5 HP model Giant WSV50M pump (or approved equivalent) rated for 1.5 L/s and a TDH of 13.5 m, with 50% pumped to the treated effluent to the Type A dispersal bed and 50% recirculated back to the inlet of the Anaerobic Tank.

Type A Dispersal Bed

one(1) raised Type A dispersal bed, receiving effluent from the Waterloo Biofilter, having a stone area 35 m^2 (5 x 7 m) with a minumum thickness of 300 mm covered by geotextile fabric and underlain by a sand layer, a minimum thickness of 300 mm and an area 325.5 m2 including a minimum of 15 m mantle extension in the down-gradient direction beyond the outmost distribution pipe with a T-time between 6-10 min/cm. A minimum separation distance of 600 mm between the bottom of the stone layer and native soil with a T-time exceeding 50 min/cm must be maintained at all times.

Schedule B - Residence 93

Janina Arendacz - 36 Odessa Blvd., Terra Cotta, Ontario. L7C 1R2

Individual Works Location: Residence 93: 36 Odessa Boulevard, Terra Cotta, Ontario

Description of Individual Sewage Works

a subsurface disposal of domestic sewage with a maximum capacity of **1,900 litres per day** to service a proposed 2-bedroom residence located at the above noted Individual Works Location, consisting of the following:

Septic Tank

one (1) two-compartment precast concrete septic tank, having a total capacity of 4,500 litres equipped with an approved effluent filter, receiving sewage from the residential building and discharging effluent via gravity to the Pump Chamber as described below.

Pump Chamber

one (1) Waterloo Biofilter Model PC-5 pump chamber, equipped with access hatch and audible and visible high level alarm system, one (1) submersible 0.5 HP effluent pump and simplex, demand-dose control panel, discharging effluent via a 38mm diameter forcemain to a Waterloo Biofilter tertiary treatment unit as described below.

Tertiary Treatment System

one (1) Waterloo Bio filter Model 20 Flat Bed system, consisting of two FB-1000 Flat Bed units, each 3.0 m x 1.2 m x 0.6 m deep, installed directly on an absorption system as described below.

Absorption System

a stone area of 26 square metre consisting of a minimum 250 millimetre thick layer of minimum 19 millimetre clear stone protected with a permeable Geo-textile fabric covering all areas beyond the confines of the Waterloo Biofilter treatment unit, with the bottom of the stone layer at least 600 mm above the high groundwater table, rock or soil with a percolation time of 1 min/cm or less or greater than 50 min/cm, underlain by a sand layer as described below; a sand area of 240 square metre consisting of a layer of sand with a minimum thickness of 250 mm and a percolation rate of 6 to 10 minutes per centimetre, extending at least 15 metres beyond the perimeter of the Waterloo Biofilter treatment unit, in any direction in which the effluent entering the soil will move horizontally; and minimum 100 millimetres cover layer comprising sand backfill and topsoil on the top of the absorption system.

Schedule B - Residence 94

Anna Sirka - 40 Odessa Boulevard, Terra Cotta, Ontario. L7C 1R2

Individual Works Location: Residence 94: 40 Odessa Boulevard, Terra Cotta, Ontario

Description of Individual Sewage Works

Septic Tank

one (1) two-compartment precast concrete septic tank, having a total rated capacity of 1**,600 litres per day** equipped with an approved effluent filter, receiving sewage from the existing residence and discharging effluent to the Ecoflo Biofilter tertiary treatment unit described below via gravity.

Tertiary Treatment Units

one (1) Ecoflo Biofilter treatment uni***t*** (Model ST-650 PF or Equivalent Equipment), having a treatment rated capacity of **2,000 litres per day**, installed directly on an absorption system (described below) beneath the treatment unit.

Absorption System

a minimum stone area of 22 square metres consisting of a minimum 250 millimetre thick layer of minimum 19 millimetre clear stone protected with a permeable Geo-textile fabric covering all areas beyond the confines of the Ecoflo Biofilter treatment unit; a sand area of minimum 94.12 square metres consisting of a layer of sand with a minimum thickness of 250 millimetres and a percolation rate of 6 to 10 minutes per centimetre, extending at least 15 metres beyond the perimeter of the Ecoflo Biofilter treatment unit, in any direction in which the effluent entering the soil will move horizontally; and minimum 100 millimetres cover layer comprising sand backfill and topsoil on the top of the absorption system.

Schedule B - Residence 102

Rita Kasab and Paul Sanchez - 2 Kiev Road, Terra Cotta, Ontario. L7C 1R2

Individual Works Location: Residence 102: 2 Kiev Road, Terra Cotta, Ontario

Description of Individual Sewage Works

a subsurface disposal works having a rated capacity of rated capacity of **1,100 litres per day** for the collection, transmission, treatment and disposal of sewage receiving sewage from a residence and consisting of the following:

Septic Tank and Treatment Unit

one (1) WSB Clean Model 400 treatment unit (or equivalent) consisting of three compartments, the pre-treatment chamber, Bioreactor and final clarifier with the Bioreactor compartment being aerated and filled with WSB media which provide surface area for aerobic bacteria attachment.

Pump Chamber

one (1) precast concrete pump chamber with approximate volume of 1,350 litres, equipped with one (1) simplex submersible sewage pump, to which the treated effluent from the WSB treatment discharges into. The pump chamber discharges effluent to the area bed disposal system.

Leaching Bed

one (1) area bed disposal system consisting of a 15 square metre stone layer (minimum 200 millimetres deep and protected with geotextile) overlying a sand layer (minimum 300 millimetres deep) constructed with imported sand fill with a T-time of 6 to 10 minutes per centimetre and a silt/clay content not more than 5%, the total bed area being 182 square metres (required area is 138 square metres), including a 15-metre sand mantle;

Schedule B - Residence 110

Jaroslav Pinczak - 100 Brookside Avenue, Toronto, Ontario. M6S 4G9

Individual Works Location: Residence 110: 25 Kiev Road, Terra Cotta, Ontario

Description of Individual Sewage Works

a proposed subsurface disposal system rated at a maximum design capacity of **3,600 litres per day** to service a proposed 3 bedroom residence for the collection, transmission, treatment and disposal of domestic sewage including:

Septic Tank and Treatment Unit

the Works consist of a proposed septic tank with capacity of 3,600 L, equipped with effluent filter and two access risers to ground, discharging effluent to a proposed pump chamber. (Satisfies OBC minimum capacity of 3,600 L or V=2Q = 3,200 L)

Pump Chamber

a 2,700 L single compartment pump chamber is designed with one (1) submersible effluent pump rated at approximately 283.90 L/min at TDH of 10m, dosing effluent at frequency of 12 doses per day, at a maximum daily sewage flow of 1,600 L/day to a proposed subsurface disposal system (Eljen GSF).

Subsurface Disposal System

subsurface is designed as Eljen GSF System consisting of four (4) rows with A-42 modules (5 modules per row) to a total of 20 modules, spaced at 0.9 m centre to centre and placed over an area of 193 m^2 (8.1 m x 18.3 m in irregular shape) of a minimum 150 mm thick Special Sand meeting requirements of Section 3.7 (BMEC # 15-02-376); each row consists of 5 sections of Eljen GSF A-42 modules (1220 mm long x 610 mm wide x 180 mm high) with perforated PVC pipe inside each module row, three (3) Eljen sampling trays will be installed as indicated in drawing DT-1 submitted with the application, each with an extraction tube brought to the ground surface.

Schedule B - Residence 18

Yaroslav Struzhko - 28 Kiev Road, Terra Cotta, Ontario. L7C 1R6

Individual Works Location: Residence 18: 28 Kiev Road, Terra Cotta, Ontario.

Description of Individual Sewage Works

subsurface sewage disposal works for the collection, transmission, treatment and disposal of domestic sewage, with a design maximum flow of 2,600 litres per day, consisting of the following:

Septic Tank

one (1) 5,900 litres capacity two-compartment ***septic tank*** fitted with an effluent filter on the outlet, collecting wastewater from the four (4) bedroom dwelling and discharging effluent to the proposed pump chamber described below by gravity.

Pump Chamber

one (1) 2,700 litres capacity single compartment ***pump chamber*** equipped with high level alarm system, and duplex pumps, pumping the effluent from the septic tank to the proposed subsurface sewage treatment-dispersal system described below.

Subsurface Treatment-Dispersal System

a proposed partially raised Enviro-Septic™ System rated for a total daily sanitary flow of 2,600 litres per day, with a total Enviro-Septic™ pipe length of 68 metres and a sand area of 391 square metres.

including all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage works.

all in accordance with the submitted supporting documents listed in Schedule A.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 9762-B3QPBX issued on June 12, 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 26th day of March, 2021

Fariha Pannu, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

AA/

c: District Manager, DWECD, MECP Halton-Peel District Office
Chairman, Poltawa Country Club Corporation
Woolley Jazmyne, R.J. Burnside & Associates Limited