

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 7720-CYRREP  
Issue Date: September 11, 2024

123085 Ontario Inc.  
1060 Main St, PO Box 297  
Dorset, ON  
P0A 1E0

Site Location: Robinson's General Store  
1061 Main St  
Dorset, ON  
P0A 1E0

*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 Works for the treatment of sanitary sewage and subsurface disposal of treated effluent from Robinson's General Store, a three-bedroom residential dwelling, and a multi-use commercial plaza at the above site location, rated at a Maximum Daily Flow of 15,000 litres per day, consisting of the following:

**Proposed Works:**

**Flow Balancing**

- one (1) 22,500 litre balancing tank, receiving effluent from the two existing pump tanks, equipped with duplex submersible grinder pumps rated 3.2 L/s at 5.2 metres total dynamic head, discharging to the proposed septic tank;

**Influent Sampling Point**

- sampling of influent at the proposed balancing tank;

**Primary Treatment System**

- one (1) 18,000 litre septic tank, receiving raw sewage from the balancing tank, equipped with an effluent filter, discharging to the proposed 27,500 litre anaerobic digester tank;
- one (1) 27,500 litre anaerobic digester tank, receiving effluent from the 18,000 litre septic

tank, equipped with an effluent filter, discharging via gravity to the proposed 18,000 litre pump tank;

- one (1) Waterloo Biofilter EC-P system for phosphorus removal;
- one (1) 18,000 litre pump tank, receiving effluent from the 27,500 litre anaerobic digester tank, equipped with duplex submersible effluent pumps rated at 2.5 L/s at 6.4 metres total dynamic head and a Waterloo Biofilter basket with 7.4 cubic metres of Waterloo Biofilter media, discharging to the proposed 27,500 L Waterloo Biofilter Tank #2

### **Secondary Treatment System**

- two (2) 27,500 litre Waterloo Biofilter tanks, interconnected to each other, each consisting of spray units and two (2) wire mesh baskets, each basket comprised of 10.5 cubic metres of Waterloo Biofilter media for a total of 42 cubic metres of media, with Tank #2 equipped with duplex submersible effluent pumps rated at 2.9 L/s at 21.4 metres total dynamic head, discharging to the proposed shallow buried trench leaching bed;
- one (1) simplex effluent pump in Tank #2 rated at 2.0 L/s at 7.7 metres total dynamic head for the recirculation of treated effluent to the proposed 27,500 litre anaerobic digester tank;
- one (1) simplex effluent pump in Tank #2 rated at 2.0 L/s at 7.7 metres total dynamic head for the dosing of the closed-loop basket within Waterloo Biofilter tank #2;

### **Final Effluent Flow Measurement and Sampling Point**

- Flow measurement device located in a chamber on the effluent discharge line;
- Sampling of final effluent at the proposed Biofilter Tank #2;

### **Final Effluent Disposal Facility**

- one (1) shallow buried trench leaching bed consisting of two (2) cells, having a treatment capacity of 15,000 litres per day, each cell consisting of five (5) runs of 32 millimetre diameter distribution pipes, with each run 30 metres long, installed on imported sand fill to provide sufficient separation from high groundwater table, overlying native soil with percolation time of 50 minutes per centimetre;

### **Existing Works:**

- one (1) 2700 L litre (estimated capacity) pump chamber to be retrofitted with a simplex grinder pump rated at 2.6 L/s at 18.2 metres total dynamic head, receiving effluent from the general store and the 3-bedroom dwelling, and discharging to the proposed balancing tank;

- one (1) 1,800 (estimated capacity) pump chamber, to be retrofitted with a simplex grinder pump rated at 2.95 L/s at 14.8 m total dynamic head, receiving effluent from the multi-use plaza and discharging to the proposed balancing tank.
- one (1) existing subsurface disposal system (Health Unit User Permit SH-065-88) rated for 2,025 litres per day servicing an office building, consisting of:
  - one (1) 4,500 litre two-compartment precast concrete septic tank;
  - one (1) filter bed, consisting of a 27 square metres of filter and extended contact area.

### **Decommissioning**

- decommissioning of the existing 4,500 litre septic tank;
- decommissioning of the existing 22,700 litre settling tank;
- decommissioning of the existing adsorption trench leaching beds.

all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned Works;

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

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

1. "Approval" means this entire document and any schedules attached to it, and the application;
2. "BOD<sub>5</sub>" (also known as TBOD<sub>5</sub>) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;
3. "CBOD<sub>5</sub>" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
4. "Commissioned" means the construction is complete and the system has been tested, inspected, and is ready for operation consistent with the design intent;
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. "District Manager" means the District Manager of the Peterborough District Office;

7. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
8. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
9. "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;
10. "Licensed Engineering Practitioner" means a person who holds a licence, limited licence or temporary licence under the *Professional Engineers Act*, R.S.O. 1990, c. P.28;
11. "Maximum Daily Flow" means the largest volume of flow to be received during a one-day period for which the Works is designed to handle;
12. "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;
13. "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;
14. "Owner" means 123085 Ontario Inc. and its successors and assignees;
15. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
16. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
17. "Single Sample Concentration" means the concentration of a parameter in the effluent discharged on any day, as measured by a probe, analyzer or in a composite or grab sample, as required;
18. "Works" means the approved sewage works, and includes Proposed Works, and Existing Works.

*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 terms and conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. The Owner shall design, construct, operate and maintain the Works in accordance with the

conditions of this Approval.

3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.

## 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 address of Owner;
  - b. change of Owner, including address of new owner;
  - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act* , R.S.O. 1990, c.B17 shall be included in the notification;
  - d. change of name of the 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.
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.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the number of this Approval.

## 4. CONSTRUCTION

1. The Owner shall ensure that the construction of the Works is supervised by a Licensed Engineering Practitioner.
2. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
3. The Owner shall ensure that the Waterloo Biofilter treatment system is 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 Licensed Engineering Practitioner for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.

5. Within **six (6) months** of the Works being Commissioned, the Owner shall prepare a statement, certified by a Licensed Engineering Practitioner, 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. Within **six (6) months** of the Works being Commissioned, 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 purpose 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(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Influent Monitoring Table included in **Schedule C**.
3. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Effluent Monitoring Table included in **Schedule C**.
4. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to the proposed 15,000 litres per day shallow buried trench leaching 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 subsurface disposal bed.
5. The Owner shall ensure that the flow of treated effluent discharged into the proposed shallow buried trench leaching bed does not exceed 15,000 litres per 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 documents and all analysis shall be conducted by a laboratory accredited to the ISO/IEC:17025 standard or as directed by the District Manager:
  - 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 Version 2.0" (January 2016), PIBS 2724e02, as amended; 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 design and undertake everything practicable to operate the Works in accordance with the Final Effluent parameters design objectives listed in the table(s) included in **Schedule B**.
2. For the purposes of subsection 1:
  - a. The Single Sample Concentration of CBOD5 and TSS 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**.
  - b. The Single Sample Concentration of Total Phosphorus 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. OPERATIONS AND MAINTENANCE

1. The Owner shall ensure that, at all times, the Works and the related equipment and appurtenances used to achieve compliance with this Approval are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the Works.
2. The Owner shall prepare an operations manual within **six (6) months** of 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 and 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 Spills Action Centre (SAC) and District Manager; and
  - f. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
3. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference at the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
  4. The Owner shall, upon completion of 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.
  5. The Owner shall ensure that all septic tanks are pumped out every 3-5 years or when the tank is 1/3 full of solids and the effluent filters are cleaned out at minimum once a year or more often if required.
  6. The Owner shall ensure that the oil/grease interceptor is inspected and maintained on regular basis as required, and grease is disposed off site by a licensed hauler (e.g. at approved recycling sites).
  7. The Owner 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.
  8. The Owner shall visually inspect the general area where Works are located for break-out once every month during the operating season.
  9. In the event a break-out is observed from a subsurface disposal bed, the Owner shall do the following:
    - a. sewage discharge to that subsurface disposal system shall be discontinued;
    - b. the incident shall be **immediately** reported verbally to the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060;
    - c. submit a written report to the District Manager within **one (1) week** of the break-out;



- d. access to the break-out area shall be restricted until remedial actions are complete;
  - e. during the time remedial actions are taking place the sewage generated at the site shall not be allowed to discharge to the environment; and
  - f. sewage generated at the site shall be safely collected and disposed of through a licensed waste hauler to an approved sewage disposal site.
10. 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.
11. 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 operations and maintenance activities required by this Approval.

## 8. 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. In addition to the obligations under Part X of the EPA and O. Reg. 675/98 (Classification and Exemption of Spills and Reporting of Discharges) made under the EPA, the Owner shall, within **fifteen (15) days** of the occurrence of any reportable spill as provided in Part X of the EPA and O. Reg. 675/98, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill, clean-up and recovery measures taken, preventative measures to be taken and a schedule of implementation.
3. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
4. The Owner shall prepare and submit a performance report within **ninety (90) days** following the end of the operational period to the District Manager. The first such report shall cover the first **three (3) year** period following the commencement of operation of the Works and subsequent reports shall cover successive **three (3) year** periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
  - a. a summary and description of efforts made and results achieved in meeting the effluent objectives of (Condition 6);
  - b. a review and assessment of the performance of the Works, including all treatment units and subsurface disposal beds;
  - c. a description of any operating problems encountered and corrective actions taken at all Works located at the property;

- d. 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 septic tank effluent filters cleaning, records of septic tank pump-outs, records of sludge pump-outs accumulated from the treatment system, records of visual inspections of all subsurface disposal systems;
- e. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
- f. a summary and interpretation of all daily flow data and results achieved in not exceeding the Maximum Daily Flow discharged into the shallow buried trench leaching bed;
- g. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- h. a summary of all spill or abnormal discharge events;
- i. any other information the District Manager requires from time to time;

## **9. DECOMMISSIONING OF UN-USED WORKS**

1. The Owner shall properly abandon any portion of unused existing Works, as directed below, and upon completion of decommissioning report in writing to the District Manager:
  - a. any sewage pipes leading from building structures to unused Works components shall be disconnected and capped;
  - b. any unused septic tanks, holding tanks and pump chambers shall be completely emptied of its content by a licensed hauler and either be removed, crushed and backfilled, or be filled with granular material;
  - c. if the area of the existing leaching bed is going to be used for the purposes of construction of a replacement bed or other structure, all distribution pipes and surrounding material must be removed by a licensed hauler and disposed off site at an approved waste disposal site; otherwise the existing leaching bed may be abandoned in place after disconnecting, if there are no other plans to use the area for other purposes.

## **Schedule A**

1. Environmental Compliance Approval Application for Municipal and Private Sewage Works submitted and signed by Joanne Robinson of 123085 Ontario Inc., dated April 19, 2024, and all supporting documentation and information.
2. Set of Detail Drawings dated April 11, 2022 and prepared by R.J. Burnside & Associates.
3. “Sewage System Design Brief Application for Environmental Compliance Approval – Robinson’s Landing Inc., 1061 Main Street, Dorset ON K0M 1J1” dated May 2022 and prepared by R.J. Burnside & Associates.
4. Site Plan for 1061 Main Street, Dorset, ON dated April 11, 2022 and prepared by R.J. Burnside & Associates.

## Schedule B

### Effluent Objectives Table

<b>Effluent Parameter</b> (tested on outlet from the final Waterloo Biofilter Treatment Units)	<b>Concentration Objective</b> (milligrams per litre unless otherwise indicated)
CBOD5	10
Total Suspended Solids	10
Total Phosphorous	1.0

## Schedule C

### Influent Monitoring Table

<b>Sampling Location</b>	Balancing Tank
<b>Frequency</b>	Quarterly
<b>Sample Type</b>	Grab
<b>Parameters</b>	BOD5 Total Suspended Solids (TSS) Total Phosphorus (TP)

### Effluent Monitoring Table

<b>Sampling Location</b>	Biofilter Tank #2
<b>Frequency</b>	Once a month during operating season
<b>Sample Type</b>	Grab
<b>Parameters</b>	CBOD <sub>5</sub> Total Suspended Solids (TSS) Total Phosphorus (TP) Field temperature pH

*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 specified in the Approval and that the Works does not cause any impairment to the receiving watercourse.
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 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 Works.
8. Condition 8 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.
9. Condition 9 is included to ensure that any components of un-used Works are properly decommissioned.

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 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.

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.c  
 a

and

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

and

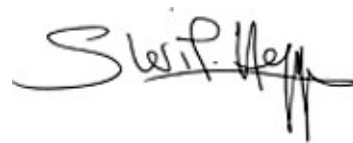
The Director appointed for the  
 purposes of Part II.1 of the  
*Environmental Protection Act*  
 Ministry of the  
 Environment, Conservation  
 and Parks  
 135 St. Clair Avenue West, 1st  
 Floor  
 Toronto, Ontario  
 M4V 1P5

**\* 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](http://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 11th day of September, 2024




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

RH/  
 c: District Manager, MECP Peterborough  
 Jazmyne Woolley, R.J. Burnside & Associates