

<b>County of Brant – Environmental Services</b>	
<b>TITLE:</b> Sanitary Sewer Grinder Pump System Policy	
<b>REFERENCE:</b> ES-SOP-01-21	
<b>TO BE REVISED:</b> AS REQUIRED	
<b>CURRENT REVISION DATE:</b> September 21, 2021	<b>REVISION NUMBER: 0</b>

**1. PURPOSE**

The County of Brant (the “County”) is responsible for municipally owned water and wastewater services for communities within the County. Municipal wastewater collection systems have typically consisted of gravity sewers connected to a local wastewater treatment facility. In some locations, topography and other servicing challenges has required the installation of low pressure sewers or shallow gravity sewers which require grinder pump packages to service certain properties.

This policy is intended to detail the County and property owner (the “Owner”) responsibilities to ensure standardization of infrastructure and to attempt to minimize the impact of alternative sanitary servicing methods on individual Owners.

**2. APPROVED SANITARY SEWER GRINDER PUMP PACKAGES**

The County is solely responsible for specifying the make and model of sanitary sewer grinder pump packages (pump packages) acceptable for use in the County’s municipal sanitary sewer systems when a pump package is required to service a property due to the County’s selected mainline sewer servicing method (for example low pressure sewer or shallow sewer).

The Owner shall be responsible to provide the County with the design specifications (for example maximum daily flows and lift) required to service their property. The County will determine the make and model of the pump package to meet the owner’s specification.

A pump package is defined as the sewage pump, housing chamber, and associated mechanical, electrical, and instrument appurtenances.

The County’s approved pump packages are Environment One (E/One) and Zoeller Pump Company Sewer System Grinder Pump Packages.

Standard Sanitary Grinder Pump Package; - E/One model DH071-093 package with a maximum pumping capacity of 2.6 m3/day

Non-Standard Sanitary Grinder Pump Package - The County will determine the model of the E/One, Zoeller Pump Company or alternate sanitary grinder pump package for applications requiring capacity greater than 2.6m3/day.

**3. APPROVED INSTALLERS AND MAINTANCE PERSONNEL**

Contractors are to coordinate training directly through suppliers/manufactures of the approved pump packages. The County can be contacted for supplier contact info. Upon completion of training the contractor shall supply to the County a list of employees attending the training, outline of training completed, date(s) of training, location of training, contact name of the supplier/manufacture that provided the training and contact information of the trainer.

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Upon the contractor’s completion of the training, and review and acceptance of training and credentials by the County, the contractor will be placed on a list of approved installers and maintenance personnel that will be maintained by County staff. The County reserves the right to add and/or remove installers and maintenance personnel from the approved list at its sole discretion. All packages must be installed by an approved installer and maintained by an approved maintenance personnel.

#### **4. INSTALLATION**

- 4.1. Approval for the installation of a pump package is given by way of a Building Permit for the work completed on the private property and a Public Works Permit to connect to the municipal sewer. For permitting details, contact the Brant County Building Department at 519-442-4677 and Operations Department (Public Works Permit) at 519-449-2451. Permit fees (for example inspection fee, service connection cost, frontage fee, etc.) will be applicable at time of application
- 4.2. The Owner is responsible for all costs incurred to purchase, install and commission the *pump package and appurtenances* on private property up to the sanitary curb stop at the property line. This includes retention of a County approved contractor to complete the installation as per manufacturer specifications. The County will procure and supply the pump package to the Owner. The Owner will pay the County the Supplier invoiced cost for the *pump package* at time of Public Works Permit application.
- 4.3. If a service line to the property line from the mainline sewer was not previously installed the County will coordinate this work. Applicable fees will be charged as part of the Public Work Permit.
- 4.4. The pump package will be installed outside of any structures in a location agreeable to both the County and Owner.
- 4.5. Any upgrade to the property required to accommodate the pump package will be sole responsibility of the Owner. Upgrades might include, but not be limited to plumbing, electrical, structural, so on and so forth.
- 4.6. The County strongly recommends that electrical wiring of the unit be conducted by a licensed electrician. Owners who complete their own wiring must have it inspected by the Electrical Safety Authority (ESA) for compliance with the *Electrical Safety Act*.
- 4.7. Following installation, the grinder pump package is under the full ownership of the Owner.
- 4.8. The Owner is responsible for the decommissioning of existing private sanitary disposal systems, if any, in accordance with the requirements of the Building Department.
- 4.9. The Owner is responsible for ongoing electricity costs for pump operation.
- 4.10. Upon connection, the County and Installer will meet with the Owner to discuss and verify operation of the pump system.

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The County will organize a warranty inspection by the pump manufacturer within 10 (ten) working days of being notified of connection to the system.

## **5. MAINTENANCE, REPAIRS AND REPLACEMENT**

### ***5.1. Standard Sanitary Sewer Grinder Pump Package***

- 5.1.1.** Ownership and responsibility for continued operation, of the pump package and appurtenances remains with the Owner.
- 5.1.2.** The County may conduct periodic inspections of the unit to assess performance or deficiencies.
- 5.1.3.** The County will be responsible for routine maintenance, repairs and pump replacement as part of the operation of the wastewater system and will provide written details to the Owner after work is completed. The cost for this service will be part of the overall municipal Wastewater Rates.
- 5.1.4.** Where County staff is of the opinion that damage to a pump has been caused by Owner negligence, violation of the County’s sewer use bylaw or abuse of the system by the Owner, the Owner will be notified in writing and will be responsible for the cost of the repairs.
- 5.1.5.** Where an Owner wishes to relocate a pump package or make changes to plumbing to accommodate a renovation or other property changes, all costs associated with relocation and/or replacement of a pump package are the sole financial responsibility of the Owner. Any such relocations and/or replacements shall be completed by an approved installer and must have prior-approval by the County via the Building Permit and/or Public Works Permit as applicable.
- 5.1.6.** The Owner grants the County and its contractors the right to enter onto the property to undertake repairs and inspections as necessary. Where possible, when access is required for routine maintenance an inspection notice will be provided to the Owner at least one business day in advance. Failure to provide reasonable access to the unit will constitute a release to the County of any responsibility for costs associated with repair or replacement of the unit and damages caused by insufficient maintenance, repair or replacement of the unit.
- 5.1.7.** As part of a municipal servicing project (for example reconstruction project), the County may register a blanket easement on properties subject to this policy to recognize the access required for maintenance.
- 5.1.8.** The current Owner is required to notify the County in writing when there will be a change of property ownership. The County will then correspond with the new Owner regarding this policy.

### **5.2. Non-Standard *Sanitary Sewer Grinder Pump Package Pump Packages***

- 5.2.1.** The Owner is responsible for all aspects of their grinder pump package, such as operation, system checks, maintenance, repairs, and replacement.

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**6. INSURANCE**

The County is not responsible for any property damage, or any claims, costs or damages, associated with the improper use or negligence by the Owner or Occupant related to *the* pump package and its policies or any related infrastructure installed on the property of the Owner. Further, the County is not responsible in any way for investigations or clean-up activities or property damage related to a failure of the *pump package*. The Owner may at their discretion carry insurance to mitigate impacts related to the preceding.

The following examples are provided to illustrate the types of events that the County will not be liable for and is not an exhaustive list.

- a) Sewage back up due to continued water use during a power outage, pump failure and/or forcemain blockage.
- b) Electrical damage due to lightning strikes/storms.
- c) Sewage back up due to disposal of substances in violation with the County’s sewer use bylaw.
- d) Failure of the sanitary sewer system for any reason.

**7. COUNTY OF BRANT CONTACT PROCEDURE**

**7.1. Installation**

**7.1.1.** Owners eligible under this policy for the installation of a pump package shall follow the steps noted in Section 4 of this policy.

**7.2. Maintenance and Repair**

Owners eligible under this policy for County routine maintenance and repair of their pump packages, as outlined in section 5, shall follow the procedure below to request an inspection or repair of their unit.

- 7.2.1.** Owners will be expected to provide their address (911 number) when calling for service.
- 7.2.2.** For requests during regular business hours (8:30 am to 4:30 pm) Monday to Friday or for non-emergency matters, the Owner shall call the Customer Service Desk at the Brant County Administration Building at 519-44BRANT (519-442-7268) and request to speak with the Operations Department.
- 7.2.3.** For emergency requests outside of regular business hours, on weekends, and holidays, the Owner shall call 519-449-2451. This number is answered all day everyday. Stay on the line and follow the instructions until you speak with a live attendant. Inform the attendant of the purpose of your call. The attendant will relay your concern to the Sanitary Sewer on call staff.
- 7.2.4.** At the discretion of the County, an Operator may visit the site to inspect the unit or dispatch an approved installer to complete the inspection/repair.
- 7.2.5.** The Owner is responsible for costs as outlined in this policy.

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1	Creation of SOP	09/21/21	M. D'Hondt	0