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March 6, 2018

ATTN: Gwen R. Pinson, Executive Director
Public Service Commission
PO Box 615
Frankfort, KY 40601

RECEIVED

MAR 09 2018

PUBLIC SERVICE
COMMISSION

In re: Grant County Sanitary Sewer District
Application for Deviation
807 KAR 5:071§7(4)

Case No. 2018-00097

Dear Ms. Pinson:

Attached is a copy of the Grant County Sanitary Sewer District's ("District's") Application requesting a deviation from the requirements of 807 KAR 5:071§7(4).

If you have any questions, please call.

Very truly yours,


THOMAS R. NIENABER

TRN/krp

cc: Mr. Brian Rice (Brian.Rice@ky.gov)
Chairman Charles Givin
Danny Northcutt
Leo Saylor
Rodger Bingham
Robert H. Worthington, Jr.
Superintendent, William Catlett
Dianne Cook
Amy Ruark
Ashley Dyer

RECEIVED

MAR 09 2018

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF)
GRANT COUNTY SANITARY SEWER DISTRICT)
PURSUANT TO 807 KAR 5:071, §7(4)) CASE NO. 2018 - 00097
FOR DEVIATION FROM REQUIRED INSPECTION)
PROCEDURES AND APPROVAL OF)
PROPOSED INSPECTION PROCEDURES)

APPLICATION

Pursuant to 807 KAR 5:071, §7(4), Grant County Sanitary Sewer District ("GCSSD") applies to the Public Service Commission for an Order approving its proposed procedures for the inspection of its sewage collection and treatment operations that will permit inspection of certain mechanical equipment and facilities on a non-daily basis, and for an Order granting a deviation from the required daily inspections.

Introduction

1. The full name and post office address of the Applicant, Grant County Sanitary Sewer District, is 1 Farrell Drive, Crittenden, Kentucky, 41030 ("GCSSD"). Its email address is bullockpen@fuse.net. GCSSD's website is www.gc-ssd.org.
2. GCSSD is not a corporation, limited liability company or limited partnership. It has no articles of incorporation or partnership agreements.
3. GCSSD is a sanitary sewer district created pursuant to Grant County Ordinance No. 26-2002-453 and pursuant to the provisions of KRS 67.083 and KRS 67.715.
4. Copies of all orders, pleadings and other communications related to this

proceeding should be directed to:

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Bill Catlett, Superintendent
Grant County Sanitary Sewer District
1 Farrell Drive
PO Box 460
Crittenden, KY 41030
(859) 428-3060
bcattlett@bpwd.org

5. GCSSD's Board of Commissioners which manages GCSSD's business and affairs has authorized the filing of this Application by Resolution (Exhibit "1").

6. GCSSD owns and operates facilities that are used in the collection, transmission, and treatment of sewage for the public, for compensation, and that provide sewer services to the public in Grant County, Kentucky. These facilities are subject to the Kentucky Public Service Commission's jurisdiction and regulation.

7. GCSSD currently provides sewer service to approximately 1,563 customers, the majority of which are residential in nature.

8. GCSSD began its sewer operations during or about 2005 with the acquisition of the then Crittenden Sanitary Sewer District.

9. GCSSD currently operates a sewage treatment facility that has a total daily treatment capacity of 300,000 gallons and is located in Crittenden, Kentucky.

10. Because of the territory covered by GCSSD, and low customer density, GCSSD utilizes in part, a pressurized system to transport wastewater from residential dwellings to

sanitary sewer collection and transmission lines. During August 2016, as a part of the GCSSD Phase II Extension Program, 70 residential units were provided sewer service utilizing on-site pressurized pump stations commonly referred to as "Grinder Pumps". The Grinder Pump installed by GCSSD for residential use is the E-1 Extreme. The product brochure is attached hereto as Exhibit "2". Only residential customers are serviced by these Grinder Pumps.

11. GCSSD is currently managed by the Bullock Pen Water District under the terms of a Management Agreement, a copy of which is attached as Exhibit "3". Pursuant to the Management Agreement, Bullock Pen Water District employees provide day-to-day operational services for GCSSD.

12. Currently, GCSSD makes on-site visual inspections of the Grinder Pumps at least one time per year.

13. 807 KAR 5:006 §26.8 provides:

Sewage utility inspection. Each sewage utility shall make systematic inspections of its system in the manner established in 807 KAR 5:071 to ensure that the commission's safety requirements are being met. The inspection shall be made as often as necessary but not less frequently than established in 807 KAR 5:071.

14. 807 KAR 5:71, §7(4) provides:

Each sewage utility shall adopt procedures for inspection of its sewage treatment facilities to assure safe and adequate operation of its facilities and compliance with commission rules. These procedures shall be filed with the commission. Unless otherwise authorized in writing by the commission, the sewage utility shall make inspections of collecting sewers and manholes on a scheduled basis at intervals not to exceed one (1) year, unless conditions warrant more frequent inspections and **shall make inspections of all mechanical equipment on a daily basis.** The sewage utility shall maintain a record of findings and corrective actions required, and/or taken, by location and date. [Emphasis

added.]

15. GCSSD Grinder Pumps are defined as mechanical equipment. The technical specifications of these Grinder Pumps are attached as Exhibit "2".

16. The Public Service Commission has not authorized GCSSD to inspect the Grinder Pumps on a schedule that differs from those set forth in 807 KAR 5:071 §7(4).

17. 807 KAR 5:006 §26(8) and 807 KAR 5:071 §7(4) requires GCSSD to inspect its 70 active Grinder Pumps on a daily basis. In a 2017 report arising from a Public Service Commission staff inspection of GCSSD facilities, GCSSD was instructed that daily inspections of the Grinder Pumps is required (See attached Exhibit "4").

18. Performing daily inspections of the 70 Grinder Pumps as required by 807 KAR 5:071 §7(4) would create an unduly and extraordinary expense and financial burden upon its customers for the following reasons:

- (a) GCSSD lacks the necessary personnel to conduct daily inspections of the Grinder Pumps. It is estimated by GCSSD's Superintendent, Billy Catlett, that to conduct daily inspections of the 70 Grinder Pumps would require approximately 12 man hours per day. On an annual basis, performing daily inspections will require the hiring of an additional 2.25 employees at a cost exceeding \$160,000.00. In addition to extraordinary personnel requirements, GCSSD would also be required to purchase additional motor vehicles at additional cost and expense.

19. The expense required to perform daily inspections of Grinder Pumps will significantly burden GCSSD's sewer operations and require extraordinary increases in its rates for sewer services. For the calendar year ending December 31, 2017, GCSSD had total operating revenues of \$710,000.00 and total operating expenses of \$637,000. GCSSD's ACCOUNTANT'S COMPILATION REPORT for the calendar year ending December 31, 2016,

is attached as Exhibit "5".

20. The monthly sewer rates necessary to support the financial burden imposed by requiring daily Grinder Pump inspections will impose significant financial burden on GCSSD's customers who are presently ill equipped to bear such burden. GCSSD services primarily residential customers of median to lower household income.

21. GCSSD would propose that it be permitted to make an on-site visual inspection of each of the 70 Grinder Pumps on an annual basis to be completed prior to December 31st of each calendar year. This inspection would far exceed that recommended by the Grinder Pump manufacturer (Exhibit "2") which recommends inspections once every three years.

22. The proposed annual inspection schedule for Grinder Pumps will enable GCSSD to perform periodic inspections with its current workforce and would eliminate the need to hire additional employees or contractors and to avoid extraordinary expense required by daily inspections. GCSSD's proposed annual inspection would also be sufficient to protect the health, safety, and welfare of those customers serviced by on-site Grinder Pumps.

23. GCSSD's Grinder Pumps are of high level quality and reliability. All installation of the 70 Grinder Pumps was accomplished with an authorized and licensed installer. All Grinder Pumps are equipped with visual and audio alarms that activate when high water levels are reached in the storage tank. When activated, these alarms can easily be seen and heard by homeowners. All Grinder Pumps have been designed to prevent any sewer backup into a customer's residence. In the event of overflow, the individual Grinder Pump will retain any solid waste in a holding tank until repairs and service can be completed. Furthermore, GCSSD

has placed sewer relief valves on the sewer cleanout of each Grinder Pump.

24. GCSSD has adopted a rapid response policy (Exhibit "6") that requires an on-duty employee to respond to any complaint or trouble call which is received by GCSSD regarding any Grinder Pump. This would enable any complaint or service call to be responded to in less than two (2) hours after GCSSD is notified of a trouble call.

25. 807 KAR 5:071 §4 has been adopted to ensure the safe and adequate operation of sewer utility facilities, the prevention of equipment malfunction and failure, and the detection of failures or malfunctions within a reasonable period of time. The Grinder Pumps installed by GCSSD and the proposed inspection schedule are all implemented to ensure that those goals and objectives are achieved.

26. Good cause exists to authorize the proposed inspection schedule. GCSSD's existing equipment and procedures will quickly allow GCSSD to respond to any malfunction or failure arising with respect to the Grinder Pumps. They serve as an adequate substitute for daily inspections of such equipment and render daily inspections unnecessary. Authorization of the proposed inspection schedule will not lessen the quality of GCSSD's ability to render safe and adequate sanitary sewer services to its customers.

WHEREFORE, GCSSD requests that the Commission:

1. Authorize the proposed inspection schedule of residential Grinder Pump operations; and
2. Grant any and all such other relief to which GCSSD may be entitled.

Respectfully submitted,

/s/ THOMAS R. NIENABER

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GRANT COUNTY SANITARY SEWER
DISTRICT:

BY: Charles Givin
CHARLES GIVIN, CHAIRMAN

COMMONWEALTH OF KENTUCKY

COUNTY OF GRANT

Subscribed, sworn to and acknowledged before me by Chairman Charles Givin for and on behalf of the Grant County Sanitary Sewer District on this the 6th day of March, 2018.

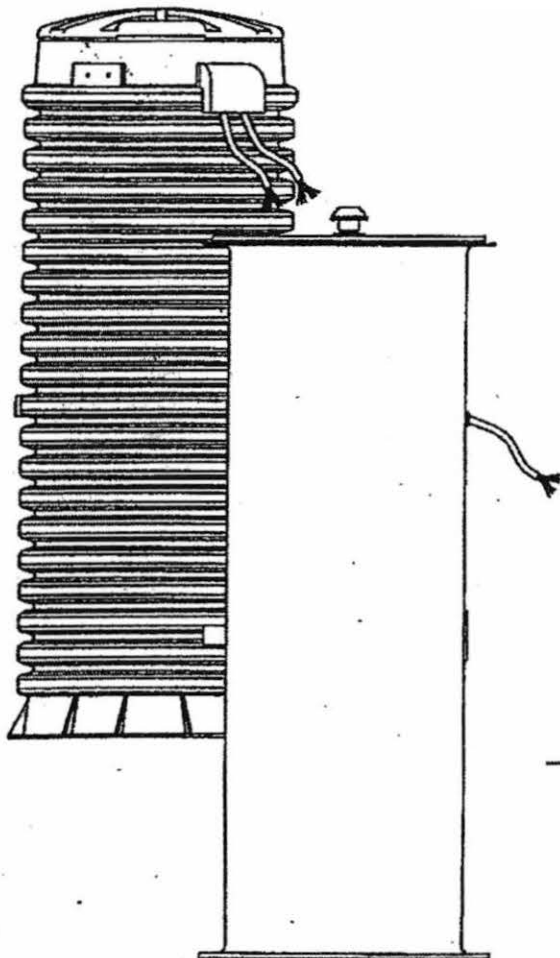
Kim R. Price
NOTARY PUBLIC, State at Large
Notary ID# _____
My Commission Expires: _____



INDEX

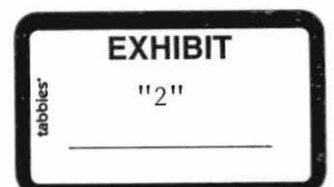
EXHIBIT #	DESCRIPTION
1	GCSSD Resolution
2	E/ONE Extreme Grinder Pump Manufacturer's Specifications
3	Management Agreement
4	Public Service Commission Periodic Wastewater Inspection Notice
5	GCSSD December 31, 2016 Accountant's Compilation Report
6	GCSSD Rapid Response Policy

E/ONE
EXTREME
S E R I E S



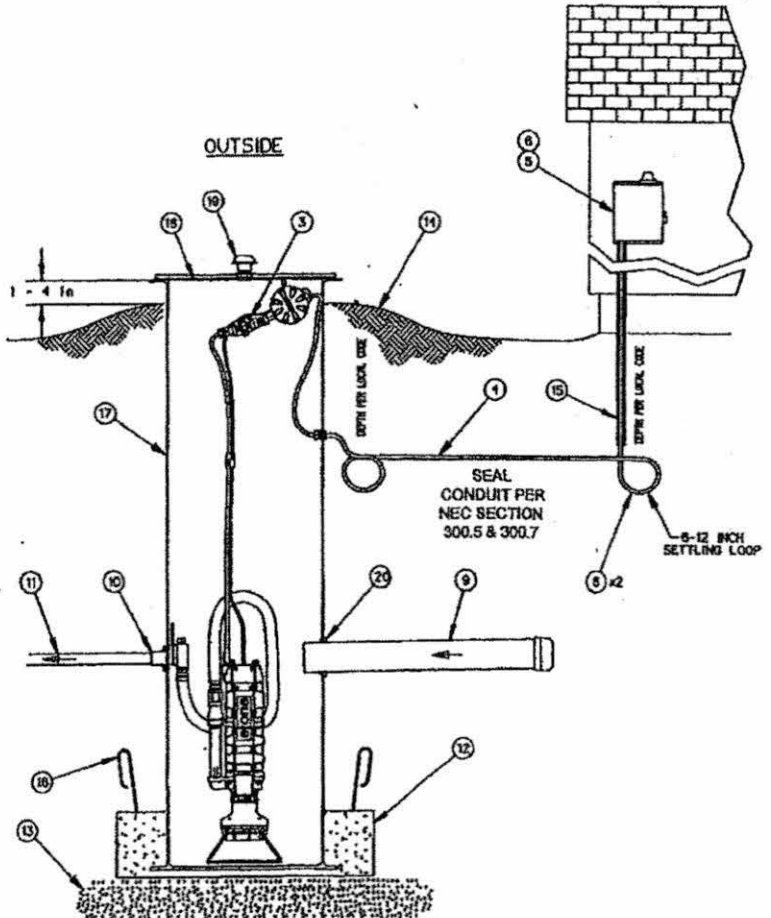
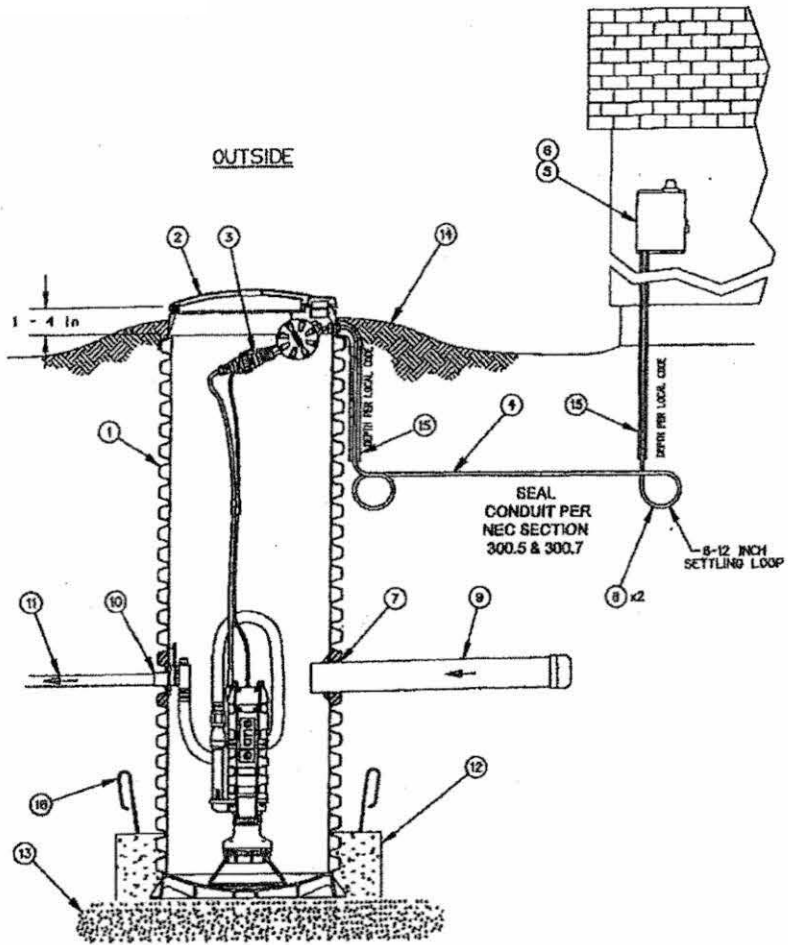
**W-SERIES
TYPICAL
INSTALLATION
INSTRUCTIONS
& WARRANTY
INFORMATION**

**SIMPLEX, DUPLEX, TRIPLEX &
QUADPLEX STATIONS**



Environment One Grinder Pump Feature Identification

- 1. Grinder Pump Basin** – High density polyethylene (HDPE)
- 2. Accessway Cover** – Station lid with integral vent (non-traffic rated)
- 3. Electrical Quick Disconnect (EQD)** – Electrical lead from pump core terminates here (NEMA 6P).
- 4. Power and Alarm Lead** – Circuits to be installed in accordance with local codes.
- 5. Alarm Panel** – Rainproof (NEMA 4X) enclosure. Equipped with circuit breakers. Locate according to local codes.
- 6. Alarm Device** – Every installation is to have an alarm device to alert the homeowner of a potential malfunction. Visual devices should be placed in conspicuous locations.
- 7. Inlet** – Standard configuration 4-inch PVC socket (4.5 inches ID). For solvent cementing DWV pipe.
- 8. Settling Loop** – Coil wire to protect against soil settling.
- 9. Gravity Service Line** – Standard configuration 4-inch DWV (4.5 inches OD). Supplied by others.
- 10. Discharge Outlet** – Standard configuration 1 ¼-inch solvent weld
- 11. Discharge Line** – 1 ¼-inch nominal pipe size. Supplied by others.
- 12. Concrete Anchor** – See Charts 1 and 2 for correct ballast weight. Supplied by others.
- 13. Bedding Material** – 6-inch minimum depth, rounded aggregate (gravel). Supplied by others.
- 14. Finished Grade** – Grade line should be below the cover and slope away from the accessway.
- 15. Conduit** – 1 ¼-inch PVC to burial depth required by local code. Supplied by others.
- 16. Rebar** – Required to lift tank after pre-cast ballast has been attached (4 places, evenly spaced around tank). Supplied by others.
- 17. Grinder Pump Basin** – Fiberglass
- 18. Station Lid** – Fiberglass (non-traffic rated)
- 19. Station Vent** – Mushroom vent
- 20. Inlet** – Standard configuration EPDM grommet (4.5" ID). For 4.5" OD DWV pipe.

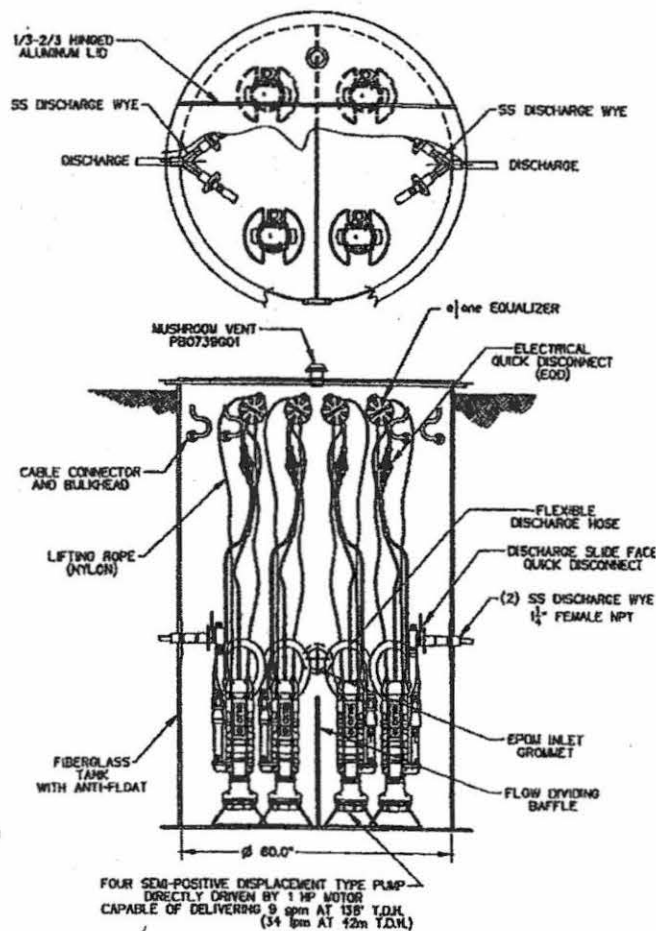
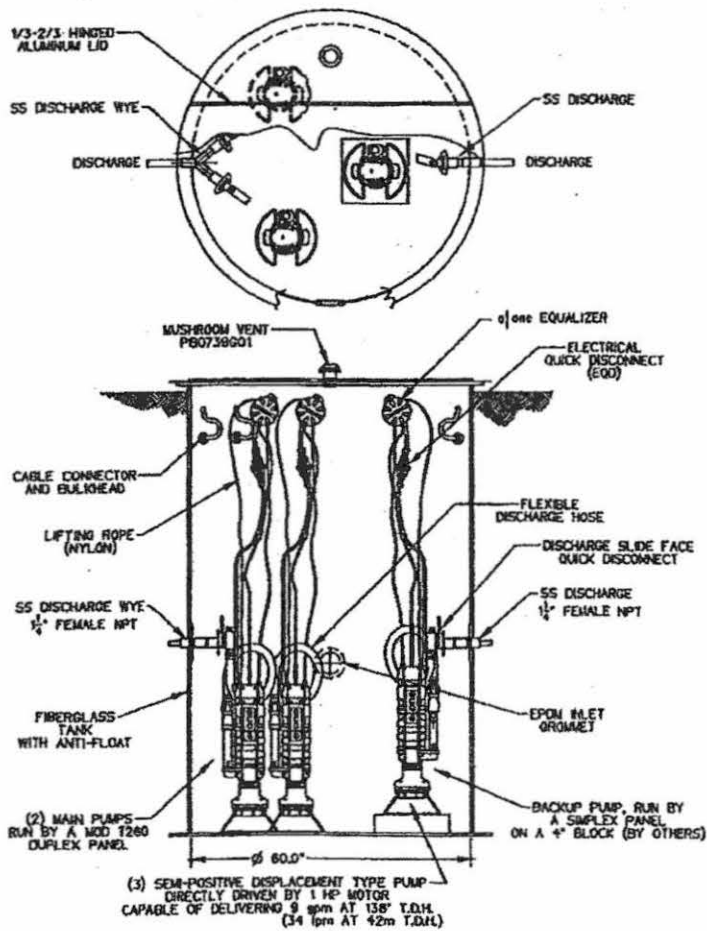
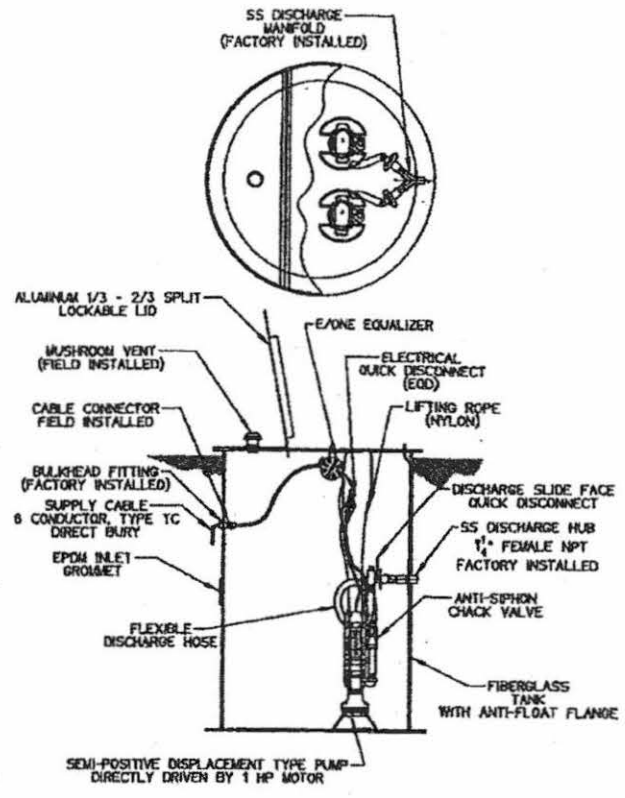


**FAILURE TO
COMPLY WITH
INSTALLATION
INSTRUCTIONS
WILL VOID
WARRANTY**

Figure 1

TYPICAL MULTI-PUMP STATIONS: DUPLEX, TRIPLEX & QUADPLEX

Simplex	1 Simplex Panel
Duplex	1 Duplex Panel
Triplex	1 Simplex Panel, 1 Duplex Panel
Quadplex	2 Duplex Panels



The Environment One grinder pump is a well-engineered, reliable and proven product; proper installation ensures years of trouble-free service. The following instructions define the recommended procedure for installing the grinder pump station.

The W-Series is a sewage-handling pump and must be vented in accordance with local plumbing codes. Do not install the unit in locations classified as hazardous in accordance with the National Electric Code, ANSI/NFPA 70. All piping and electrical systems must be in compliance with applicable local and state codes.

1. Remove Packing Material
Give the User Instructions to the homeowner. Hardware supplied with the unit, if required, will be used during installation.

2. Tank Installation (HDPE tank)

The tank is supplied with a standard 4-inch PVC DWV (4.5 inches inside dia.) inlet for connecting the incoming sewer drain. Other inlet types and sizes are optional (caution 4" DR-35 pipe is of smaller diameter and won't create a water tight joint with the standard grommet). Confirm that you have the correct inlet before continuing with installation. If a concrete ballast is attached to the tank, lift only by the lifting eyes embedded in concrete. Do not drop, roll or lay the tank on its side. Doing so may damage the unit and void the warranty. Excavate a hole to a depth so the removable cover extends 2 inches above the finished grade line; the grade should

slope away from the unit. The diameter of the hole must be large enough to allow a concrete anchor. Place the unit on a 6-inch bed of gravel, naturally rounded aggregate, clean and free-flowing, with particle size not less than 1/8 inch or more than 3/4 inch in diameter. The concrete anchor is required to keep the unit from floating as a result of high groundwater levels. The amount of concrete required varies for each unit (see station detail sheet for the correct ballast weight).

The unit should be leveled and filled with water to the bottom of the inlet; doing so prevents the unit from shifting when pouring the cement. The cement must be manually vibrated to eliminate any voids. If pouring the cement to a level higher than the inlet piping is necessary, place an 8-inch sleeve over the inlet prior to pouring the cement.

3. Tank Installation (Fiberglass tank)

Improper handling of the fiberglass tank may result in damage and, ultimately, failure of the station. Care should be taken during lifting and placement to prevent impacting or otherwise damaging the tank. A non-marring sling should be used when lifting the tank by the fiberglass surfaces. Ensure that lifting sling is rated for the load being lifted. Lifting chains or cables should never be placed in direct contact with the fiberglass tank surfaces.

Place the unit on a 6-inch bed of gravel, naturally rounded aggregate, clean and free-flowing, with particle size not less than

1/8 inch or more than 3/4 inch in diameter in the excavated hole. Orient the installed discharge fitting, as required, to align it with the existing or proposed discharge piping path.

Determine and mark the 4" DWV inlet pipe location on the fiberglass tank wall. The inlet pipe location corresponds with the actual or projected point where the 4" building sewer line intersects the tank wall. **The center of the inlet pipe must be a minimum of 30 inches from bottom of the tank.** The slope of the inlet pipe (per national and local code requirements) must be accounted for when determining the inlet location. The supply cable path and cord grip location should be considered when selecting the inlet location (see Section 11 and Figure 5).

If the site conditions require concrete tank ballast to prevent flotation, ensure that the volume of concrete used complies with the site Engineer's recommendation. Concrete ballast, if required, should be cast in place around the tank in the excavation. **Do not pour the concrete ballast above the marked Inlet pipe location.** If the ballast must be poured above this level, proceed with installation of the inlet piping (see Section 5) before pouring the concrete. The inlet pipe must be sleeved with an 8" tube prior to pouring. The tank should be filled with water, to a level above the specified ballast height to prevent shifting during the concrete pour. Alternatively, precast concrete, around the tank bottom, may

be used for ballast (Fig. 1). Do not pour ballast above the intended inlet location. If this ballast method is used, lifting hooks must be anchored in the concrete to support subsequent handling of the tank. The lifting hooks must be adequate to support the combined weight of the tank and concrete ballast, and should be sized and installed in accordance with the site engineer's recommendation. Place the ballasted tank in the excavated hole using the lifting hooks. **Do not lift the tank by any of the fiberglass surfaces if precast ballast is utilized.**

4. Discharge

The use of 1-1/4" PVC pressure pipe Schedule 40 and polyethylene pipe SDR 11 or SDR 7 are recommended. If polyethylene is chosen, use compression type fittings to provide a smooth inner passage. It is recommended that a Redundant Check Valve Assembly (E/One part no. PC0051GXX) be installed

between the pump discharge and the street main on all installations. Never use a ball type valve as a check valve. We recommend the valve be installed as close to the public right-of-way as possible. Check local codes for applicable requirements.

CAUTION: *Redundant check valves on station laterals and anti-siphon/check valve assemblies on grinder pump cores should not be used as system isolation valves during line tests.*

5. Inlet Installation

The type, size and venting requirements of the inlet pipe must be in accordance with all national and local plumbing codes. The pump is a sewage-handling pump and requires ventilation for proper and safe operation.

An HDPE station is supplied with 4-inch PVC socket (4.5 inches ID) for solvent cementing DWV pipe.

A fiberglass station is supplied with a standard grommet to accept a 4" DWV (4.5" outside diameter) sewer inlet pipe. The grommet is self-sealing and does not require the use of additional sealant or adhesives. Other grommet sizes are available upon request. Verify that the grommet supplied with the station will accommodate the selected inlet piping. **Using a 5" hole saw, drill through the fiberglass tank wall at the marked inlet location.** Install the supplied inlet grommet in the 5" hole.

Place a mark on the inlet pipe 3-1/2" in from the end that will enter the fiberglass tank. A bevel should be ground or filed on the pipe end to aid in installation through the grommet. Clean the grommet and pipe surfaces to remove any debris. Apply a film of pipe soap or dish soap to the outside surface of the inlet pipe end and the inside of the grommet. Insert the pipe end into the grommet and push the inlet pipe into the fiberglass tank until the 3-1/2" mark lines up with the grommet outside edge. Inspect the grommet flange on the outside of the tank. The flange should be flush against the tank wall and completely visible when the pipe and grommet are installed properly.

6. Vent Installation

A fiberglass station is supplied with a 2" mushroom vent to be installed in the station cover.

Locate the 3" hole in the station cover. A vent hole may be added to a station cover in the field if it is not existing, using a 3" diameter hole saw. **Consult**

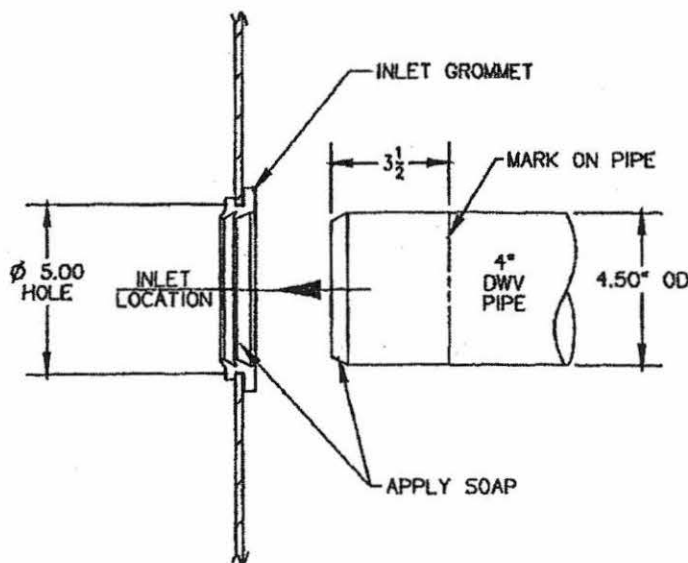


Figure 2

the factory before installing a vent hole in an existing station cover.

Install the rubber grommet in the hole in the station. The flange on the grommet should sit flush with the station cover. Apply soap to the end of the nipple on the vent assembly. Align the nipple on the vent assembly with the grommet in the station cover and press the vent assembly down into the grommet until the vent housing bottoms on the grommet.

7. Backfill Requirements
Proper backfill is essential to the long-term reliability of any underground structure. Several methods of backfill are available and each yields favorable results when done properly. Clean, compact, native soil that is free from rocks, roots or organic material may be used if compacted in lifts not to exceed one foot. It must be compacted to a final Proctor density between 85 and 90 percent. Heavy, non-compactible clays are not acceptable backfill for this or any underground structure such as inlet or discharge lines.

Class 1 or Class 2 backfill material as defined by ASTM 2321 may also be used. Crushed stone and gravel backfill materials offer an advantage since they typically reach a compaction level of 90 to 95 percent standard density with minimal compaction.

Another option is flowable fill (i.e., low slump concrete). This is particularly attractive when installing grinder pump stations in augered holes where tight

Your panel may differ from the one shown below. Wire your panel per the wiring decal on the inside of the enclosure door.

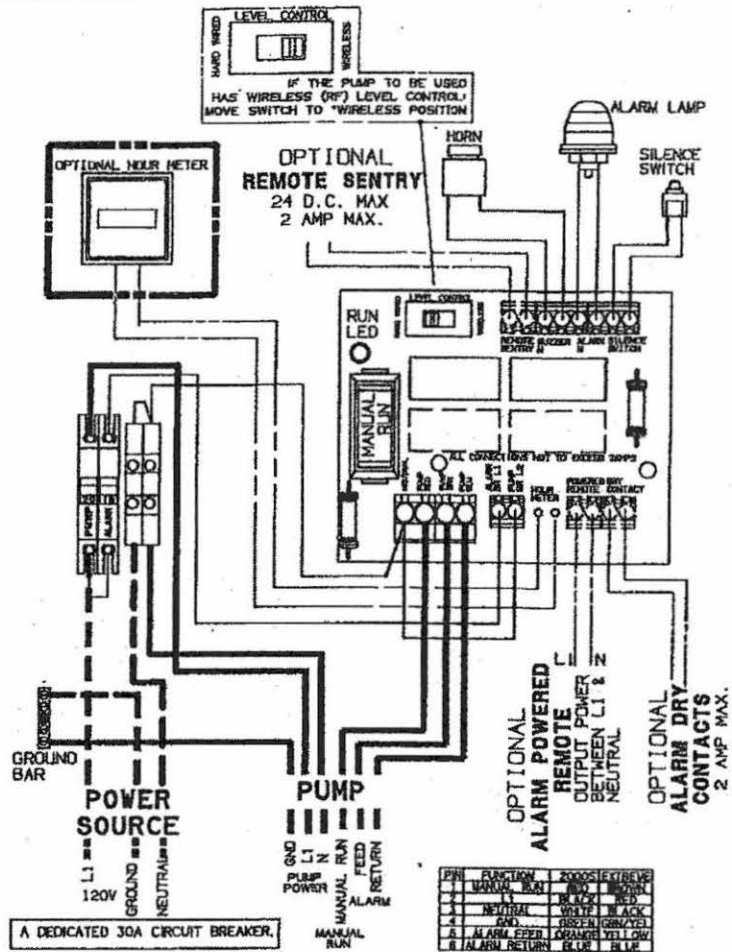


Figure 3 – 120V Simplex

clearances make it difficult to assure proper backfilling and compaction with dry materials. Flowable fills should not be dropped more than four feet from the discharge nozzle to the bottom of the hole since this can cause separation of the constituent materials.

8. Electrical Connection (supply panel to alarm panel)
Before proceeding verify that the service voltage is the same as the motor voltage shown on the name plate. An alarm device is to be installed in a conspicuous location where it can be readily seen by the

home owner. An alarm device is required on every installation. There shall be no exceptions.

Wiring of supply panel and alarm panel shall be per figures 3 and 4, alarm panel wiring diagrams and local codes.

9. Electrical Connection (pump to panel)
The cable provided for connection between the station and alarm panel is a six-conductor tray cable that meets NEC requirements for direct burial as long as a minimum of 24 inches of cover is maintained.

Your panel may differ from the one shown below. Wire your panel per the wiring decal on the inside of the enclosure door.

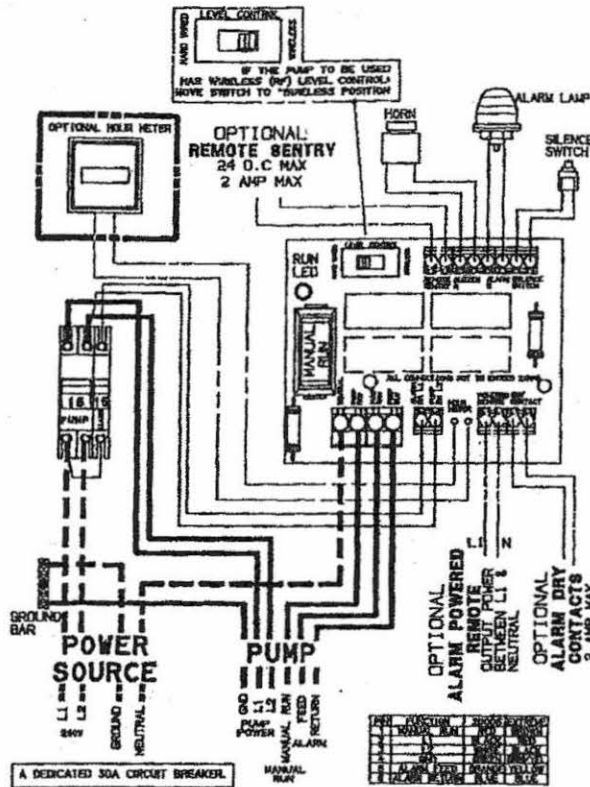


Figure 4 - 240V Simplex

Those portions of cable that have less than 24 inches of cover must be contained within suitable conduit. This includes the vertical section that drops to a 24-inch depth at the station and the length exiting out of the ground at the control panel. Note: Wiring must be installed in compliance with local codes (which may vary from above). **NOTE: Wiring must be installed per national and local codes. Conduit must enter panel from bottom and be sealed per NEC section 300.5 & 300.7.**

10. Installing E/One supply cable with EQD (HDPE)

a. Open the lid of the station, locate the cable and the feed-thru connector on the wall of the tank. Loosen the nut on the connector and pull

the supply cable out through the connector until it hits the crimped on stop feature on the cable, approximately 24" from the EQD.

****IMPORTANT: All but 24" of the cable must be pulled out of the station, and the portion of the cable between the EQD and the molded in cable breather should be secured in the hook provided to ensure that the pump functions properly. Do not leave the excess cable in the station.**

b. Retighten the nut. This connection must be tight or ground water will enter the station.

c. Feed the wire through the length of conduit (contractor provided) which will protect it until it is below the 24" burial depth.

d. Position the conduit vertically below the cable connector along side of the station reaching down into the burial depth.

e. Run the cable underground, in a trench or tunnel, to the location of the E/One panel. Leave a 6- to 12-inch loop of cable at each end to allow for shifting and settling. Connections made at the panel are shown in the panel wiring diagram (Figs. 3 and 4).

11. Installing E/One supply cable with EQD (Fiberglass)

A 32' supply cable and cord grip are provided with the station for electrical connection between the station and the alarm panel. All electrical wiring must be in accordance with local codes. The supply cable is rated under the National Electric Code (NEC) for direct burial as long as a minimum of 24" of ground cover is maintained. Those portions of the cable with less than 24" of cover must be housed in a suitable protective conduit. The supply cable terminates in a convenient, electrical quick-disconnect (EQD) plug to support future servicing of the grinder pump. The supply cable cord grip provides a leak tight seal around the power cable as it enters the tank and will prevent movement of the supply cable during burial and subsequent ground settlement. The cord grip should be installed in a position on the tank that will provide convenient, direct routing of the supply cable to the alarm panel. (Exception: On 48" tall tanks the cord grip should penetrate the tank 18" below the top of the tank; the portion of the cable with less

Your panel may differ from the one shown below. Wire your panel per the wiring decal on the inside of the enclosure door.

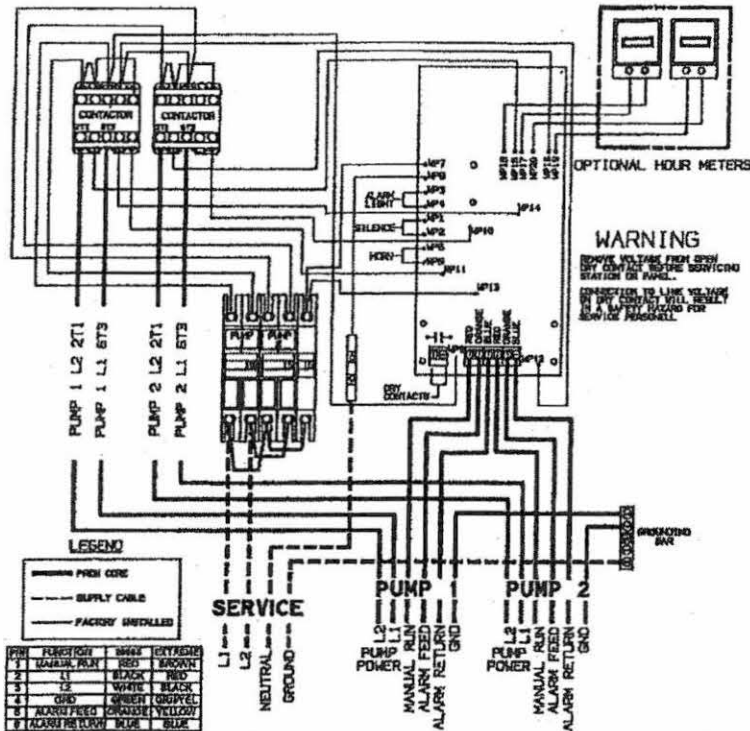


Figure 4a – 240 V Duplex

then 24" of soil cover shall be installed in suitable protective conduit.) Locate and mark the location of the cord grip on the fiberglass tank wall. Using a 1-1/16" hole saw, drill through the tank wall at this location. Install the cord grip and O-ring seal as shown. Tighten the cord grip locknut until snug.

Loosen the cord nut and slide the supply cable free end through the cord grip as shown in Fig. 5. Continue to slide the entire cable length through the cord grip until the metal cable stop rests against the cord grip face. Tighten the cord nut until snug. Failure to tighten the cord nut will result in groundwater entering the station. Use care when installing and burying the

supply cable. If the cable is cut or otherwise damaged it may result in a pump malfunction. Run the supply cable underground, ensuring 24", minimum, of soil coverage, to the control panel location. Leave a 6- to 12-inch loop of supply cable near the station and the control panel to accommodate settlement of the soil. A protective conduit must be utilized where 24" of soil cover cannot be maintained.

12. Stand Assembly

Temporarily rest the grinder pump on its side. Using a block of wood or similar object, prop up the lower pump end to allow installation of the pump stand. Align the two legs of each pump stand half with two of the holes in the pump lower end.

Push the stand legs into the pump lower end. Using a mallet, ensure that the stand legs bottom into the mounting holes. Repeat for the other stand half. Turn the pump upright on the installed stand.

13. Slide Face Discharge (Fiberglass Tanks)

Install slide face discharge receiver to tank's discharge hub. The slide face has a 1 1/4-inch solvent weld socket. A 1 1/4-inch PVC nipple is supplied if a threaded connection is necessary. Glue nipple to slide face with Schedule 80 primer and glue. Take care not to get glue on slide face surfaces. (Fig. 7)

Refer to any documentation that may have shipped with your discharge. Attach the discharge hose to the anti-siphon check valve. Use pipe sealer on threads to ensure leaktightness (Fig. 8). Check the O-ring on the

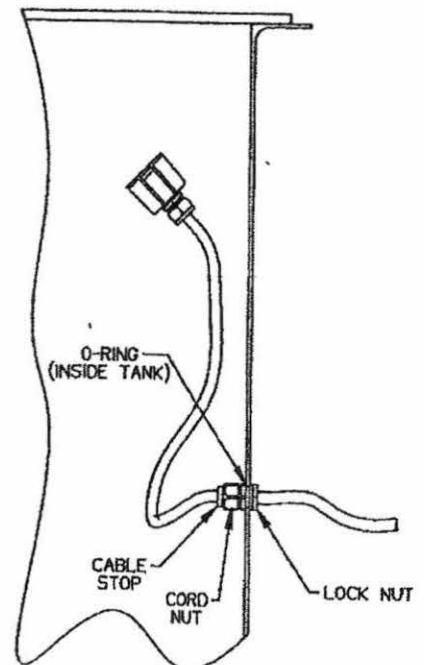


Figure 5

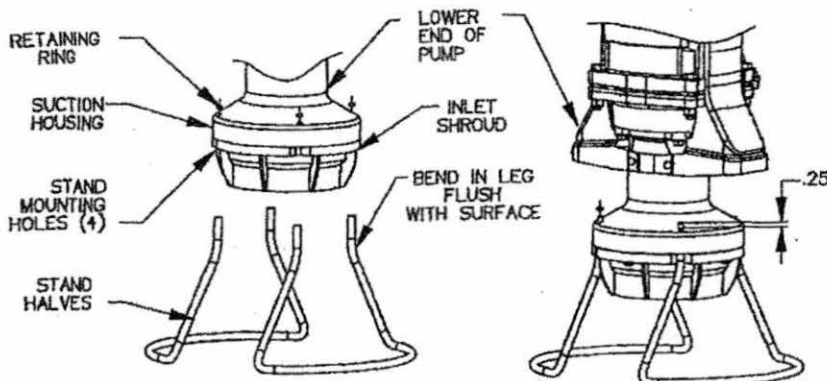


Figure 6

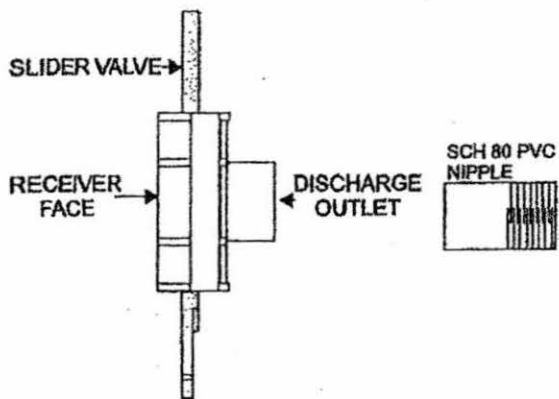


Figure 7

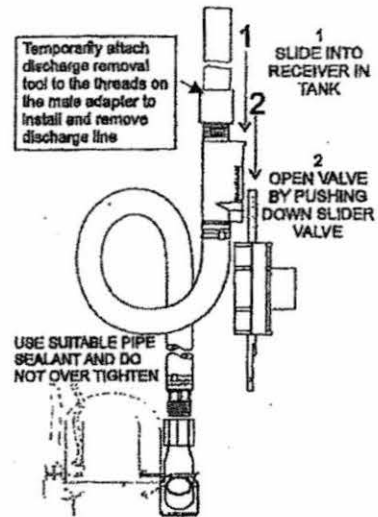


Figure 8

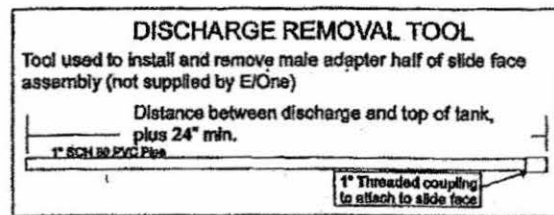


Figure 9

slideface adapter for adequate lubrication (Fig. 10). Attach discharge installation tool on male adapter (Figs. 8 and 9).

14. Pump Installation

Carefully lower the pump into the tank. Place pump so anti-siphon check valve is on opposite side of discharge in tank. Refer to "Installation Layout" drawing in the front of this manual.

Rotate discharge hose and male adapter to create a loop or coil. Slide male adapter into slide face receiver until it seats. Push down on slider valve assembly to open. (Fig. 13)

Hang power cable, breather tubing with Equalizer, and lifting rope to prevent them

from laying in sewage. Keep between 18 inches and 24 inches of power supply cable in tank. The Equalizer should be hung as high as possible in the tank. Refer to the "Installation Layout" drawing in the front of this manual.

Install vent assembly in cover assembly. Hole size for vent grommet is 3 inches. The vent must be installed per national and local codes to ensure proper operation. Failure to properly vent tank will result in faulty operation and will void warranty.

Connect the pump to the alarm panel. New cable should be installed between tank and electrical panel per National Electric Code and local codes. Maxi-

imum distance between pump and panel is 100 feet. Minimum burial depth without conduit is 24 inches. Note: Environment One cable should be used to ensure proper operation. When an underground splice is needed, use E/One-approved splice kit, E/One part number PC0606G01. If existing cable is used, test for ground short (results from damaged cable underground). Replace if a short is found. Plug and seal all electrical components (junction box, conduit, etc.) inside tank and control panel to ensure a watertight connection. **Failure to seal all moisture may cause premature pump failure and void warranty.** Waterlogged junction boxes are one of the most common sources of grinder pump problems.

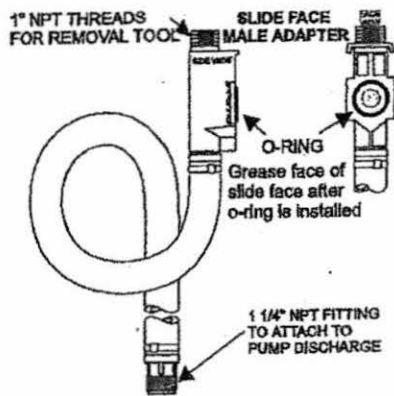


Figure 10

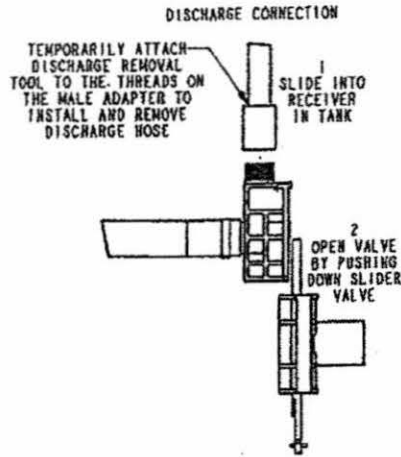


Figure 11

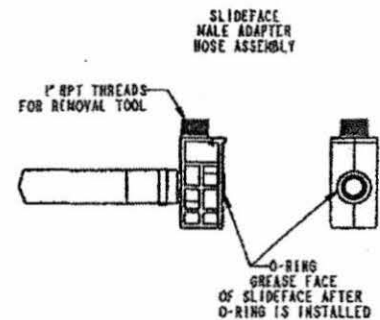


Figure 12

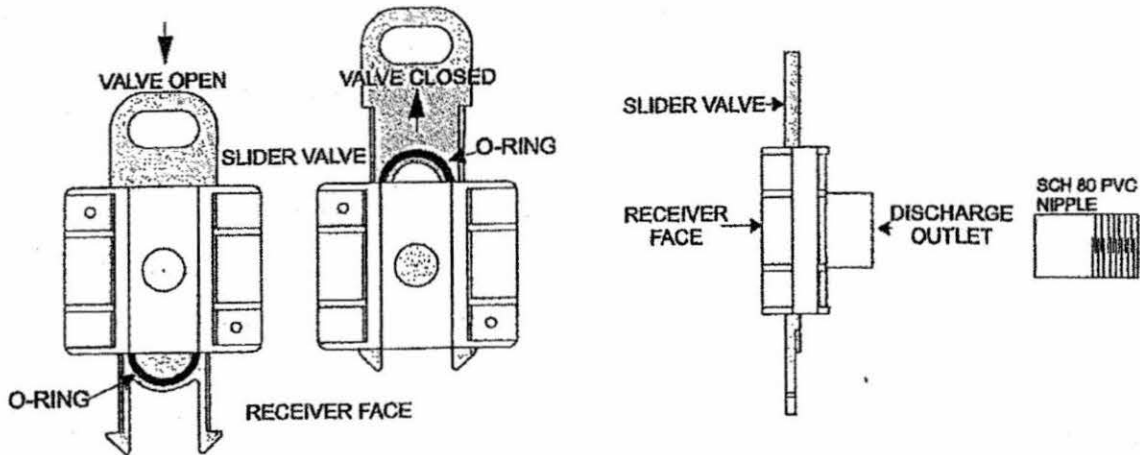


Figure 13

Power source to the panel must be 240 VAC (or 120 VAC for a 120V model). A dedicated 30-amp breaker with ground and separate neutral is required.

15. Test Procedure

Make certain that all discharge shutoff valves are fully open (curb stops, slider valve, etc.). Turn off power at main power supply and panel. Use an ohmmeter set at the 2 meg scale. Check the continuity between the following leads from the pump (tests should be

performed with the pump and alarm breakers inside the panel OFF):

- Green/yellow to red
- Green/yellow to black
- Green/yellow to brown
- Brown to yellow

All these tests must read an open circuit. A short at any of these test points will cause premature pump failure if not corrected.

Turn on power at main power supply only. Check voltage from the main power supply.

The voltage must be 240 VAC (or 120 VAC for a 120V model) within 10 percent. Note the voltage.

Turn on the alarm power circuit breaker. Leave pump breaker off.

Fill tank with water until alarm turns on. This will be about 30 inches from bottom of tank. Turn off water. Turn on pump power circuit breaker. Pump should immediately turn on.

Take a current (amperage) reading off the black lead to the

Upgrade. The reading should be between 5 and 8 amps for 240 VAC service (10 to 16 amps for 120 VAC service). Higher amperage readings equal a higher discharge pressure. If the amperage is greater than 8 (16 for 120 VAC service) check the discharge line for a blockage. Note the amperage.

Within the first 1 to 3 minutes, the alarm will turn off. Within the following 1 to 2 minutes, the pump will turn off (in a 24-inch diameter tank).

Close and lock the alarm panel. Inspect the lid gasket and install new gasket material as required. Fasten lid to tank.

Call your local E/One distributor if you experience any problems. Please have ready the unit serial number, voltage, amperage read during startup, type of application, and a description of the problem.

Grinder Pump Station Ballast Calculations

Any buried vessel that is submerged, or partially submerged, in water will be acted on by an upward buoyant force that attempts to return the vessel to a non-submerged state. The magnitude of this buoyant force is equal to the volume of the vessel that is submerged multiplied by the density of water. On most in-ground installations a ballast, or concrete anchor, of proper volume and weight is required to resist the buoyant force.

The amount of ballast needed is equal to the weight it would take to counterbalance the buoyant forces that are exerted on the station. The total ballast is a combination of the concrete poured to create a ring around the bottom of the station and the soil above that ring which act as a weight. The ballast force, the force holding the station down, must be greater than the buoyant force, the force pushing the station up, in order to have an acceptable installation.

Calculate the Buoyant Force:

STATION VOLUME X THE WEIGHT OF WATER PER CUBIC FOOT (62.4 LBS/CU FT) =
BUOYANT FORCES

BUOYANT FORCES – STATION WEIGHT =
NET BUOYANT FORCE

Example: WH101-92,
 $28.53 \text{ cu ft} \times 62.4 \text{ lbs/cu ft} = 1780.3 \text{ lbs}$
 $1780.3 \text{ lbs} - 270 \text{ lbs} = 1510.3 \text{ lbs}$

Calculate the Ballast Force:

VOLUME OF CONCRETE X WEIGHT OF CONCRETE WATER (87.6 LBS/CU FT) =
BALLAST FROM CONCRETE

VOLUME OF CONTRIBUTING SOIL X WEIGHT OF SATURATED SOIL (70 LBS/CU FT) =
BALLAST FROM SOIL

BALLAST FROM CONCRETE + BALLAST FROM SOIL = NET BALLAST FORCE

Example: WH101-92,
 $\text{concrete: } 2.7 \text{ cu ft} \times 87.6 \text{ lbs/cu ft} = 236.5 \text{ lbs}$
 $\text{soil: } 20.4 \text{ cu ft} \times 70 \text{ lbs/cu ft} = 1430.0 \text{ lbs}$
 $236.5 \text{ lbs} + 1430.0 \text{ lbs} = 1665.5 \text{ lbs}$

Net Ballast Force @ 1665.5lbs > Net Buoyant Force @ 1510.3 lbs

Acceptable

Example, WH101-92:
Station Volume = 28.5 cu ft
Station Weight = 270 lbs
Contributing Soil Volume = 20.4 cu ft
Recommended Concrete Volume = 2.7 cu ft (O.D. = 36")

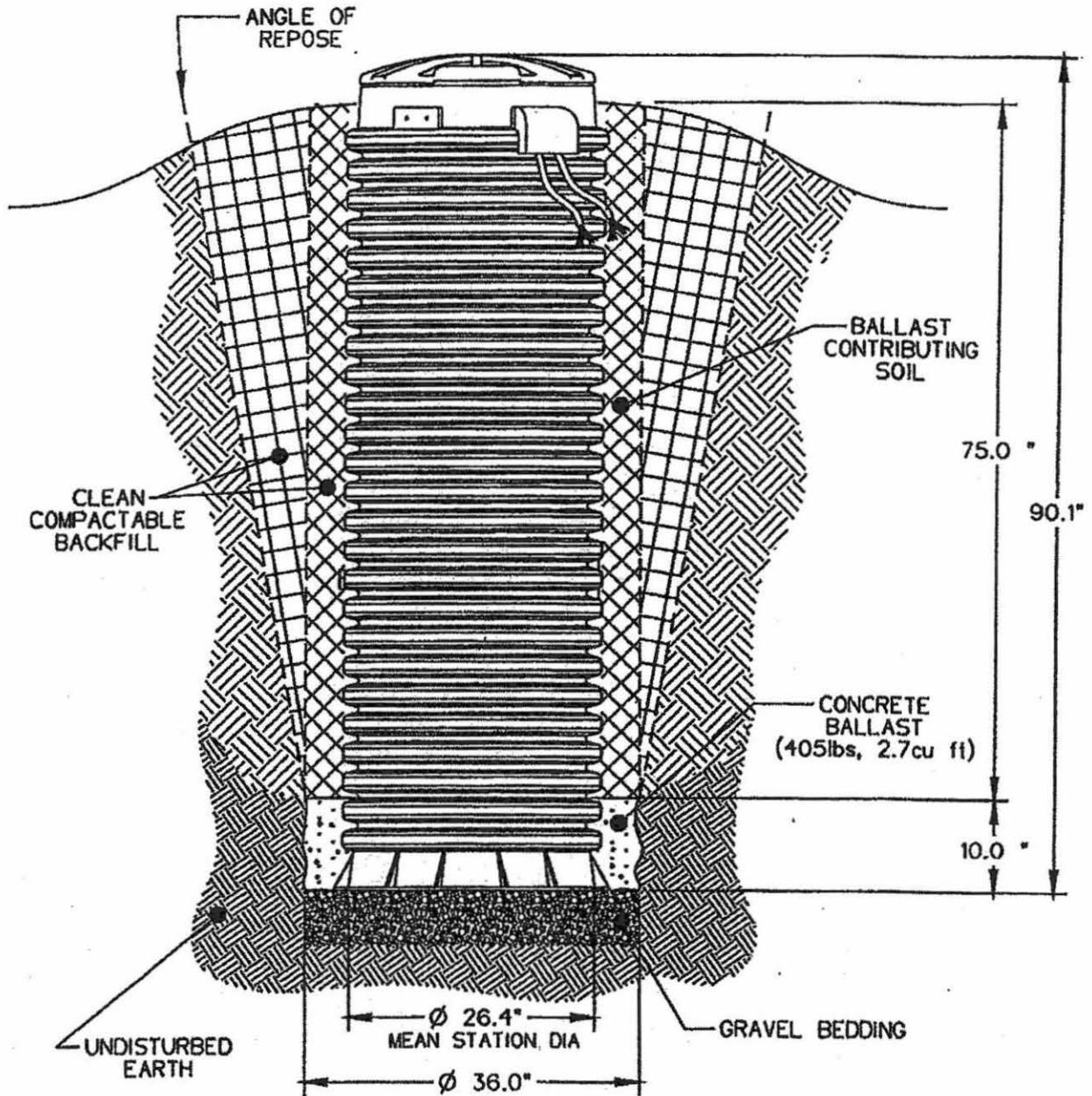


Chart 1

MODEL	MATERIAL	STATION HEIGHT (Inches)	STATION WEIGHT (pounds)	STATION VOLUME (cubic feet)	NET BUOYANT FORCE (pounds)	NET BALLAST FORCE (pounds)	CONCRETE VOLUME (cubic feet)	CONCRETE WEIGHT (pounds)
WH101-60	HDPE	60.8	238	19.27	964.45	1108.72	2.7	405
WH101-74	HDPE	73.4	254	23.26	1197.42	1348.82	2.7	405
WH101-92	HDPE	90.1	270	28.53	1510.27	1667.15	2.7	405
WH101-124	HDPE	130.3	280	41.27	2295.25	2433.82	2.7	405
WH101-159	HDPE	158.6	307	50.24	2827.98	2974.22	2.7	405

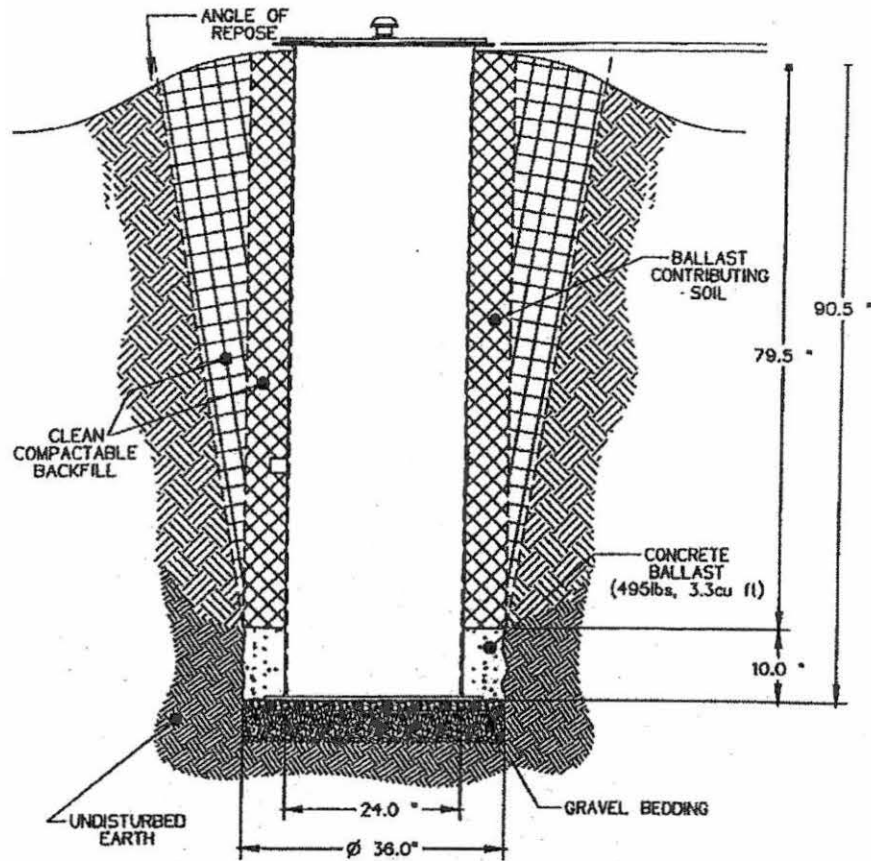


Chart 2

*Ballast is calculated with ground water at grade

MODEL	STATION TYPE	MATERIAL	DIAMETER (inches)	STATION HEIGHT (inches)	STATION WEIGHT (pounds) station, cover, core(s)	STATION VOLUME (cubic feet)	NET BUOYANT FORCE (pounds)	NET BALLAST FORCE (pounds)	CONCRETE DIAMETER (inches) (ballast 10" thick)	CONCRETE VOLUME (cubic feet)	CONCRETE WEIGHT (pounds)
60x24	Simplex	Fiberglass	24	60	172	15.71	808	1421	36	3.3	490.9
72x24	Simplex	Fiberglass	24	72	178	18.85	998	1695	36	3.3	490.9
90x24	Simplex	Fiberglass	24	90	210	23.56	1260	2108	36	3.3	490.9
120x24	Simplex	Fiberglass	24	120	232	31.42	1728	2795	36	3.3	490.9
144x24	Simplex	Fiberglass	24	144	250	37.70	2102	3345	36	3.3	490.9
60x30	Simplex	Fiberglass	30	60	195	24.54	1335	1705	42	3.9	589.0
72x30	Simplex	Fiberglass	30	72	234	29.45	1604	2035	42	3.9	589.0
90x30	Simplex	Fiberglass	30	90	255	36.81	2042	2529	42	3.9	589.0
120x30	Simplex	Fiberglass	30	120	339	49.09	2724	3554	42	3.9	589.0
144x30	Simplex	Fiberglass	30	144	378	58.99	3285	4014	42	3.9	589.0
60x36	Simplex	Fiberglass	36	60	240	35.34	1965	2180	49	5.0	753.3
72x36	Simplex	Fiberglass	36	72	257	42.41	2389	2602	49	5.0	753.3
90x36	Simplex	Fiberglass	36	90	282	53.01	3026	3235	49	5.0	753.3
120x36	Simplex	Fiberglass	36	120	378	70.68	4033	4289	49	5.0	753.3
144x36	Simplex	Fiberglass	36	144	489	84.82	4804	5133	49	5.0	753.3
60x42	Duplex	Fiberglass	42	60	298	48.10	2706	2930	57	6.7	1012.4
72x42	Duplex	Fiberglass	42	72	314	57.73	3288	3497	57	6.7	1012.4
90x42	Duplex	Fiberglass	42	90	373	72.16	4130	4347	57	6.7	1012.4
96x42	Duplex	Fiberglass	42	96	373	76.97	4430	4631	57	6.7	1012.4
120x42	Duplex	Fiberglass	42	120	432	96.21	5571	5785	57	6.7	1012.4
126x42	Duplex	Fiberglass	42	126	432	101.02	5872	6048	57	6.7	1012.4
144x42	Duplex	Fiberglass	42	144	546	115.45	6650	6898	57	6.7	1012.4
60x48	Duplex	Fiberglass	48	60	325	62.83	3596	3790	65	8.7	1309.6
72x48	Duplex	Fiberglass	48	72	344	75.40	4361	4523	65	8.7	1309.6
90x48	Duplex	Fiberglass	48	90	424	94.25	5457	5624	65	8.7	1309.6
120x48	Duplex	Fiberglass	48	120	556	125.66	7285	7457	65	8.7	1309.6
144x48	Duplex	Fiberglass	48	144	622	150.79	8787	8924	65	8.7	1309.6
60x60	Quad	Fiberglass	60	60	781	98.17	5945	6842	81	13.5	2018.7
96x60	Quad	Fiberglass	60	96	947	157.08	8854	9233	81	13.5	2018.7
120x60	Quad	Fiberglass	60	120	1108	186.34	11742	12494	81	13.5	2018.7
144x60	Quad	Fiberglass	60	144	1204	235.61	13496	13755	81	13.5	2018.7

User Instructions for the Environment One Grinder Pump

Congratulations on your Environment One grinder pump investment. With proper care and by following a few guidelines, your grinder pump will give you years of dependable service.

General Information

In order to provide you with suitable wastewater disposal, your home is served by a low pressure sewer system. The key element in this system is an Environment One grinder pump. The tank collects all solid materials and effluent from the house. The solid materials are then ground to a small size suitable for pumping as a slurry with the effluent water. The grinder pump generates sufficient pressure to pump this slurry from your home to the wastewater treatment receiving line and/or disposal plant.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference; and 2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Care and Use of your Grinder Pump

The Environment One grinder pump is capable of accepting and pumping a wide range of materials. Regulatory agencies advise that the following items should not be introduced into any sewer, either directly or through a kitchen waste disposal unit:

Glass	Seafood shells	Diapers, socks, rags or cloth
Metal	Plastic objects (toys, utensils, etc.)	Kitty litter
Goldfish stone	Sanitary napkins or tampons	

In addition, you must **never** introduce into any sewer:

Explosives	Strong chemicals	Lubricating oil and/or grease
Flammable material	Gasoline	

Periods of Disuse

If your home or building is left unoccupied for longer than a couple of weeks, perform the following procedure:

Purge the System. Run clean water into the unit until the pump activates. Immediately turn off the water and allow the grinder pump to run until it shuts off automatically.

Duplex Units. Special attention must be taken to ensure that both pumps turn on when clean water is added to the tank.

Caution: Do not disconnect power to the unit

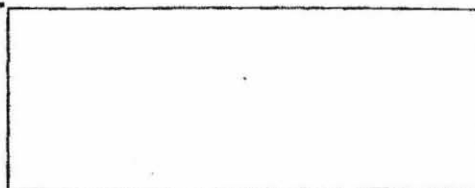
Power Failure

Your grinder pump cannot dispose of wastewater without electrical power. If electrical power service is interrupted, keep water usage to a minimum.

Pump Failure Alarm

Your Environment One grinder pump has been manufactured to produce an alarm signal (120 volt) in the event of a high water level in the basin. The installer must see that the alarm signal provided is connected to an audible and/or visual alarm in such a manner as to provide adequate warning to the user that service is required. During the interim prior to the arrival of an authorized service technician, water usage must be limited to the reserve capacity of the tank.

For service, please call your local distributor:



AMENDED MANAGEMENT AND OPERATIONAL SERVICES AGREEMENT

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PUBLIC SERVICE
COMMISSION

THIS AMENDED MANAGEMENT AND OPERATIONAL SERVICES AGREEMENT ("Agreement") is made and entered into this 19th day of August, 2010 by and between the BULLOCK PEN WATER DISTRICT, a duly created and operating water authority pursuant to the provisions of KRS Chapter 74 by and through Bobby Burgess, its Chairman, One Farrell Drive, Crittenden, Kentucky 41030 ("BPWD"), and GRANT COUNTY SANITARY SEWER DISTRICT, a duly created sewer utility pursuant to KRS Chapter 67 by and through Bobby Burgess, its Chairman, One Farrell Drive, Crittenden, Kentucky 41030 ("GCSSD").

WHEREAS, GCSSD is an operating sewer district providing sanitary sewer services within portions of Grant County, Kentucky, having been created by Ordinance of the Grant County Fiscal Court pursuant to the provisions of KRS Chapters 74 and 67, and

WHEREAS, BPWD is an operating water authority created pursuant to the provisions KRS Chapter 74, and

WHEREAS, pursuant to the Grant County Fiscal Court Ordinance creating GCSSD, BPWD was directed pursuant to the provisions of KRS Chapter 74 to provide various management services for GCSSD and,

WHEREAS, by Agreement dated June 17, 2004, BPWD began providing various management and operational services for GCSSD and,

WHEREAS, over time, BPWD and GCSSD have gathered sufficient historical and financial data in order to reasonably identify the fixed cost of services rendered by BPWD for and on behalf of GCSSD and,

WHEREAS, the parties hereto intend to amend the original Management and Operational Services Agreement consistent with the foregoing.

NOW, THEREFORE, in consideration of the foregoing premises and mutual promises and undertakings hereinafter specified, the parties agree as follows:

I. INTENT AND PURPOSE

It is the intent and purpose of this Agreement to allow BPWD to continue providing management, employee, maintenance and operational services for GCSSD including but not limited to operational personnel (both field and office), maintenance and operational equipment and office facilities to assist GCSSD in the day-to-day operation of its sanitary sewer systems located in Grant County. It is acknowledged by the parties hereto that GCSSD does not have adequate staff, employees and/or equipment for the day-to-day operation of its sanitary sewer system. In addition to field personnel, the parties also intend that BPWD will continue to provide office space, office personnel and the necessary office equipment for GCSSD to conduct its day-to-day operations. In consideration therefore, the parties desire to provide a compensation system whereby BPWD may receive fair and reasonable compensation for services rendered.

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PUBLIC SERVICE
EXHIBIT
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II. EMPLOYEE SERVICES

1. Field Services

A. BPWD shall provide field labor and maintenance employee services reasonably necessary to meet the minimal day-to-day operational requirements of GCSSD. In consideration therefore, GCSSD shall pay to BPWD a monthly fee of \$4,600.00 as reasonable compensation for all ordinary and customary employee services. For purposes of this Agreement, BPWD shall provide adequate field personnel and staff to provide the basic services necessary to operate GCSSD which shall include but not be limited to the following:

- (a) Sewer Treatment Plant operation and maintenance;
- (b) All pump and lift station operation and maintenance;
- (c) General purchasing requirements for the purchase of materials, chemicals and related supplies for GCSSD;
- (d) All sewer treatment plant and lift station inspections;
- (e) All day-to-day line inspections;
- (f) Completing and filing all reports and tests required to be maintained by GCSSD per all federal, state or local governmental authority;
- (g) All lawn and related maintenance at the sewer treatment plant and all lift stations;
- (h) General maintenance of all Sewer District equipment, including but not limited to trucks, motor vehicles, generators and the like;
- (i) Contracting of all outside and third-party maintenance repair and related service contracts reasonably necessary for the maintenance and operation of GCSSD sanitary sewer system and collection system;
- (j) Completion and filing of all reports and other documentation as may be required by any federal, state, local or other governmental agencies;
- (k) Any and all other services reasonably necessary or required in the day-to-day operations of the GCSSD sanitary sewer treatment system;
- (l) In the event GCSSD hires any employee(s) subsequent hereto, BPWD shall provide all supervisory and managerial control over such employee(s); and
- (m) Prepare and submit all Public Service Commission filings.

B. In the event extraordinary services are required to be performed by BPWD personnel, it is agreed that reasonable charges for extraordinary services shall be assessed to GCSSD on an "as-needed" basis. For purposes of this Agreement, "extraordinary services" shall include but not be limited to the following:

- (a) Special construction projects;
- (b) Repair or replacement of Sewer District systems not contemplated in the ordinary course of business;
- (c) Special supervisory and/or inspection services required for any sanitary sewer line extensions and/or plant improvement and expansions;



- (d) Sanitary sewer line replacement not contemplated in the ordinary course of business;
- (e) Repair and/or replacement of lift station systems not contemplated in the ordinary course of business; and
- (f) Any and all other services of an extraordinary nature which are generally not anticipated or contemplated in the ordinary course of business.

C. It is agreed by the parties that reasonable charges for “extraordinary services” may be assessed to GCSSD by BPWD based upon time and material expenditures incurred by BPWD in providing such extraordinary services. Where practical, BPWD’s superintendent shall submit a request for pre-approval of any and all extraordinary services prior to those services being rendered. In those instances where prior approval for extraordinary services is impractical, BPWD’s superintendent shall, as soon as practical after providing such extraordinary services, submit an itemized request for payment to the GCSSD Board of Commissioners for approval and payment, but in no event later than that date set forth in III(d) herein.

D. BPWD shall submit a monthly invoice to GCSSD for the fixed monthly expense set forth in paragraph II 1A no later than the 5th day of each month representing payment for services incurred in the preceding month. GCSSD shall pay the fixed monthly fee no later than the last day of the month in which the invoice is received. BPWD shall not be required to submit an itemized bill for the fixed monthly fees set forth in paragraph II 1A.

On or before the 5th day of each month following the delivery of “extraordinary services”, BPWD’s superintendent shall submit an itemized invoice to GCSSD outlining the nature and extent of extraordinary services rendered and the cost therefore. Payment for extraordinary services shall be made no later than the last day of the month in which those services are billed.

2. Office/Administrative Personnel

A. BPWD shall provide all office and administrative personnel reasonably necessary to meet the minimal day-to-day operational requirements of GCSSD relating to office maintenance and operations. In consideration for providing office administrative and personnel services, GCSSD shall pay to BPWD the sum of \$7,620.00 per month as compensation therefore. For purposes of this Agreement, office/administrative services to be provided in the basic monthly payment shall include but not be limited to the following:

- (a) Conduct of customer relations and handling of customer inquiries;
- (b) Maintenance of all files which may be required by any governmental agency, whether federal, state or local;
- (c) Performance of all reporting as may be required by the Kentucky Public Service Commission; and
- (d) Attendance at all regular scheduled monthly meetings.
- (e) Completion and filing of all reports and other documentation as may be required by any federal, state, local or other governmental agency;



- (f) Maintaining and conducting all financial operations of GCSSD including but not limited to the payment of its monthly obligations and debts, establishing and maintaining all bank accounts;
- (g) Billing and collection for all sanitary sewer service charges;
- (h) Maintaining all financial records including bank accounts, income and expense statements, financial statements and any and all other financial records reasonably necessary or required in the day-to-day conduct of the Grant County's sewer system;
- (i) Any and all other services reasonably necessary or required in the day-to-day operations of the GCSSD sanitary sewer treatment system;
- (j) Performing all customer relation functions, monitoring phones, receiving and handling customer complaints in the day-to-day operation of the GCSSD sanitary sewer treatment system;
- (k) In the event GCSSD hires any employee(s) subsequent hereto, BPWD shall provide all supervisory and managerial control over such employee(s);

B. It is agreed by the parties that reasonable charges for "extraordinary services" may be assessed to GCSSD by BPWD based upon time and material expenditures incurred by BPWD in providing such extraordinary services. Where practical, BPWD's office manager shall submit a request for pre-approval of any and all extraordinary services prior to those services being rendered. In those instances where prior approval for extraordinary services is impractical, BPWD's office manager shall, as soon as practical after providing such extraordinary services, submit an itemized request for payment to the GCSSD Board of Commissioners for approval and payment, but in no event later than that date set forth in II(d) herein.

C. BPWD shall submit a monthly invoice to GCSSD for the fixed monthly expense set forth in paragraph II A no later than the 5th day of each month representing payment for services incurred in the preceding month. GCSSD shall pay the fixed monthly fee no later than the last day of the month in which the invoice is received. BPWD shall not be required to submit an itemized bill for the fixed monthly fees set forth in paragraph II 1A.

On or before the 5th day of each month following the delivery of "extraordinary services", BPWD's office manager shall submit an itemized invoice to GCSSD outlining the nature and extent of extraordinary services rendered and the cost therefore. Payment for extraordinary services shall be made no later than the last day of the month in which those services are billed.

III. EQUIPMENT

1. Fields Services Equipment

It is acknowledged that BPWD owns various equipment, machinery, tools, etc. (excluding dump truck and backhoe) which are necessary for GCSSD to utilize in providing the day-to-day operations of its sanitary sewer collection and treatment system. The use of all such



equipment shall be included in the monthly fee for services rendered and provided for in paragraph II 1A above. Equipment costs not included in the base monthly fee shall include the following:

- (a) The purchase and cost of maintenance for any equipment which is unique or specific to GCSSD (e.g. sewer snake, sewer line camera equipment system, etc.);
- (b) Any and all motor vehicles purchased for exclusive use by GCSSD; and
- (c) Any cost of rental equipment obtained for use by BPWD personnel in providing services unique to GCSSD.

It is further agreed that in the event BPWD is required to use its dump truck and/or backhoe to provide services for GCSSD, BPWD reserves the right to charge GCSSD for such use as is reasonable. The parties agree that compensation for the use of BPWD's equipment reasonable necessary to perform services shall be charged at the following rate schedule:

<u>Equipment Identification</u>	<u>Hourly Rate</u>
1. Backhoe, trailer and dump truck (as a single unit)	\$65.00 per hour
2. Dump truck (independently)	\$35.00 per hour

2. Office Equipment

It is agreed by the parties hereto that BPWD shall be responsible for the purchase of all office equipment, office supplies and related materials necessary to provide minimal day-to-day business operations for GCSSD. In consideration therefore, GCSSD shall reimburse BPWD 20% of the total cost incurred by BPWD for such goods provided. It is acknowledged hereto that the 20% reimbursement rate provided for herein is based upon a product of the total number of customers serviced by GCSSD, divided by the total number of combined customers of GCSSD and BPWD. BPWD shall submit to GCSSD an invoice for such materials and/or equipment purchased on a quarterly basis ending March 31, June 30, September 30 and December 31. Payment of such invoice shall be made by GCSSD to BPWD on or before the 15th day following the end of the quarter.

IV. MATERIALS AND SUPPLIES

It is the intention of the parties hereto that GCSSD shall purchase in its own name all materials, supplies and related goods necessary for the full and complete day-to-day operation of its sanitary sewer collection and treatment system which are unique to GCSSD. For example, any chemicals; specialized testing; and the like required for use by GCSSD shall be paid directly by GCSSD.



V. OFFICE/PHYSICAL PLANT

1. Office

BPWD shall provide adequate office space for GCSSD which is reasonably necessary to conduct the day-to-day operations of its sanitary sewer treatment system. In consideration therefore, GCSSD shall pay to BPWD the sum of \$750.00 each month representing rent for office space. BPWD shall be responsible for providing all water, sewer, electric and related utility expenses (at office and maintenance building only) for GCSSD. Provided, however, any and all phone lines uniquely dedicated to GCSSD shall be paid by GCSSD.

All utilities consumed by GCSSD in the operation of its plant and pump stations shall be paid by GCSSD.

2. Maintenance Barn

BPWD shall provide adequate space in its Maintenance Barn and related outdoor storage areas reasonably necessary for GCSSD to conduct the day-to-day operations of its sanitary sewer treatment system, including but not limited to the storage of equipment, motor vehicles and the like. Cost reimbursement by GCSSD for the use of these facilities provided by BPWD is included in the monthly rentals identified in paragraph V above.

VI. PROFESSIONAL SERVICES

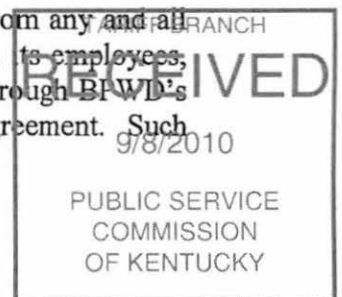
GCSSD shall be responsible for all professional services incurred by it in the operation and conduct of its sanitary sewer treatment system. Such professional services shall include but not be limited to financial, accounting, legal and engineering.

VII. MISCELLANEOUS PROVISIONS

A. GCSSD shall be responsible for any and all insurance costs associated with the operation and conduct of its sanitary sewer treatment plant, pump stations, sanitary sewer lines, and motor vehicles titled in the name of GCSSD.

B. It is the intent of the parties hereto that BPWD shall not incur any debt or other obligation in the name of GCSSD which exceeds \$1,000.00 without first obtaining the prior written approval of GCSSD. However, it is acknowledged by the parties hereto that in emergency situations where obtaining pre-approval would be impractical or impossible, such approval shall not be required. Any such debt or obligation incurred by BPWD in the name of GCSSD shall be immediately submitted to GCSSD for approval and payment.

C. GCSSD agrees to indemnify and hold BPWD harmless from any and all claims, causes of actions or demands made by any third party against BPWD, its employees, agents and representatives regarding any and all claims that arise by, from or through BPWD's providing of services pursuant to the terms and conditions of this Agreement. Such



indemnification shall include but not be limited to reimbursement to BPWD of any and all legal cost, professional fees or other expenses incurred by BPWD in the defense and/or prosecution of any such claim, cause of action or demand.

D. Nothing in this Agreement shall be construed to obligate BPWD or render BPWD financially responsible for any debts or obligations of GCSSD which shall include but not be limited to GCSSD's current bond obligation to KWRFC in the original amount of \$1,500,000. GCSSD agrees that it will remain solely responsible and liable for any and all obligations and financial payments due and owing KWRFC.

E. Notwithstanding any term, condition or covenant set forth herein, GCSSD shall be solely responsible for securing and paying for the following debts and obligations:

1. Any and all bond debt obligations due and owing KWRFC;
2. All costs and/or fees associated with permitting and/or licensing of any employee of GCSSD and/or its treatment plant and/or collection systems;
3. Preparation of all financial documents and professional fees associated therewith;
4. All legal, engineering and related professional fees;
5. The cost, maintenance and insuring, where applicable, of any additional real or personal property purchased by GCSSD subsequent to the execution of this Agreement;
6. Carl Crone's charges for supervisory services relating to the sanitary sewer treatment plant;
7. All utilities necessary to operate GCSSD lift stations and treatment plant;
8. All chemicals purchased by GCSSD for use in the operation of its sanitary sewer treatment plant; and
9. Any and all equipment and parts unique to GCSSD.

F. All payments required of GCSSD shall be made to BPWD no later than the 15th day of each month. Any late payment shall bear interest at the rate of 1.5% per month or any portion thereof.

G. GCSSD shall be responsible for securing and paying for all insurance coverage necessarily required to cover GCSSD against all potential loss or claims arising by from or through the operation of GCSSD. It is acknowledged by the parties hereto that under



certain circumstances, GCSSD may receive better insurance rates and coverages if those coverages are purchased through BPWD. Both parties agree that they shall reasonably cooperate with the other in purchasing and maintaining all necessary insurance coverage. In those instances where insurance coverage for GCSSD is purchased through BPWD, GCSSD shall be responsible for reimbursing BPWD for any increased cost. Notwithstanding the foregoing provisions, GCSSD shall be responsible for securing and paying for the following insurance coverages:

1. All worker's compensation insurance and/or premiums;
2. Comprehensive insurance coverage insuring GCSSD and/or its assets, including but not limited to lift stations, treatment plant, equipment; collection systems and the like;
3. Comprehensive products liability and general public liability insuring GCSSD against all loss arising by, from or through the operation of GCSSD;
4. Motor vehicle coverage, including a comprehensive liability insurance coverage package;
5. Directors, officers and employee related claims coverage;
6. Any and all other insurance coverage which the parties may mutually agree upon.

GCSSD shall name BPWD as a co-insured on all insurance policies where possible.

IN WITNESS WHEREOF, the parties hereunto set their hand on the date first hereinabove written.

BULLOCK PEN WATER DISTRICT

BY: *Bobby Burgess*
BOBBY BURGESS, CHAIRMAN

DATED: AUGUST 19, 2010

ATTEST:

Jimmie King
JIMMIE KING, SECRETARY
DATED: AUGUST 19, 2010



GRANT COUNTY SANITARY SEWER
DISTRICT

BY: *Bobby Burgess*
BOBBY BURGESS, CHAIRMAN

DATED: AUGUST 19, 2010

ATTEST:

Billy F. Simpson
BILLY FRANK SIMPSON, SECRETARY

DATED: AUGUST 19, 2010





Matthew G. Bevin
Governor

Charles G. Snavely
Secretary
Energy and Environment Cabinet

Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615
Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

Michael J. Schmitt
Chairman

Robert Cicero
Vice Chairman

Talina R. Mathews
Commissioner

July 17, 2017

William L. Catlett
Superintendent
Grant County Sanitary Sewer District
P.O. Box 460
Crittenden, KY 41030

Re: Periodic Wastewater Inspection
Deviation Request Instructions

Dear Mr. Catlett:

Thank you for your response to the June 2, 2017 letter regarding the periodic inspection conducted on April 26, 2017. Public Service Commission staff reviewed Grant County Sanitary Sewer District's wastewater system, reviewing the utility operations and management practices pursuant to Commission regulations.

The inspection noted one deficiency with Grant County Sanitary Sewer District's wastewater system. The Public Service Commission provided 30 days from the original letter to resolve the deficiency and provide supporting documentation or illustration.

Based on the inspector's observations, the following deficiencies still exist:

1. The utility does not make daily inspections of the 18 feeder lift stations and 70 residential grinder stations as per 807 KAR 5:071, Section 7(4) that states, the sewage utility shall make inspections of all mechanical equipment on a daily basis.

The Commission appreciates your efforts on trying to comply with this regulation. We look forward to seeing the changes that were implemented regarding checking all the feeder lift stations on a daily basis, however the 70 low pressure grinder stations are a

Periodic Wastewater Inspection
Deviation Request Instructions
July 17, 2017
Page 2 of 2

part of the utility's system also and shall be inspected on a daily basis as required by 807 KAR 5:071, Section 7(4).

If your organization would like to file for a deviation from the requirements associated with the cited deficiency, please file a formal request, via an attorney, to the Executive Director of the PSC.

If you have any questions regarding this inspection, feel free to contact Brian Rice at 502-330-5986 or via email at Brian.Rice@ky.gov.

Sincerely,



Brian L. Rice
Utility Regulatory & Safety Investigator
Public Service Commission

Enclosure(s)

Copy: Charles Given, Grant County Sanitary Sewer District Chairman

MORRIS & BRESSLER

Accountant's Compilation Report

To the Commissioners
Grant County Sanitary Sewer District
P. O. Box 460
Crittenden, KY 41030

Management is responsible for the accompanying financial statements of Grant County Sanitary Sewer District (a governmental entity), which comprise the balance sheet as of December 31, 2017, and the related statements of revenue and expenses - historical for the one month and year ended December 31, 2017 and 2016 and budgeted for the year ended December 31, 2017 in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements.

Management has elected to omit substantially all of the disclosures and the statement of cash flows, the statement of changes in net position, and the supplementary information required by accounting principles generally accepted in the United States of America. If the omitted disclosures were included in the financial statements, they might influence the user's conclusions about the District's financial position, results of operations, and cash flows. Accordingly, the financial statements are not designed for those who are not informed about such matters.

We are not independent with respect to Grant County Sanitary Sewer District.

Morris & Bressler, PSC

Morris & Bressler, PSC
Certified Public Accountants

January 17, 2018

MORRIS & BRESSLER, PSC
Certified Public Accountants

7309 Dixie Highway • P.O. Box 545 • Florence, KY 41022-0545 • (859) 525-6300

EXHIBIT

"5"

tabbles

GRANT COUNTY SANITARY SEWER DISTRICT
Balance Sheet
As of December 31, 2017

	Dec 31, 17
ASSETS	
Current Assets	
Checking/Savings	
126 · RESTRICTED CASH	
126.11 · CIB-CUSTOMER DEPOSITS-FORCHT	86,714.49
126.12 · CIB - REPLACEMENT RESERVE	16,100.00
126.17 · CIB -SEWER PLANT RECONSTRUCTION	75,443.06
Total 126 · RESTRICTED CASH	178,257.55
131.07 · CIB-MAINTENANCE & OPERATION FOR	43,285.49
131.02 · CIB-REVENUE-MERCHANT ACCOUNT	172,092.21
131.06 · CIB-REVENUE - FORCHT	163,105.97
135 · CERTIFICATES OF DEPOSIT	159,113.67
Total Checking/Savings	715,854.89
Other Current Assets	
141 · CUSTOMER ACCOUNTS RECEIVABLE	82,564.61
141.01 · ALLOWANCE FOR DOUBTFUL ACCOUNTS	-8,900.00
141.02 · ACCOUNTS RECEIVABLE-UNBILLED	23,046.34
141.03 · ACCOUNTS RECEIVABLE - THURMAN	1,200.00
142.02 · ACCOUNTS RECEIVABLE-OTHER	2,605.95
142 · INSURANCE PROCEEDS RECEIVABLE	
142.04 · INS PROCEEDS REC - BLDG CONTENT	7,052.22
Total 142 · INSURANCE PROCEEDS RECEIVABLE	7,052.22
162 · PREPAYMENTS	4,509.74
171 · ACCRUED INTEREST RECEIVABLE	643.87
Total Other Current Assets	112,722.73
Total Current Assets	828,577.62
Fixed Assets	
105 · CONSTRUCTION IN PROGRESS	
105.6 · CIP - SEWER PLANT SLUDGE PRESS	30,057.14
105.17 · CIP -SEWER PLANT RECONSTRUCTION	73,698.01
105.13 · CIP - INDIAN HILL LINE REPLACE	268.80
Total 105 · CONSTRUCTION IN PROGRESS	104,023.95
303.3 · W.T.P.-LAND & LAND RIGHTS	25,000.00
304.3 · S.T.P.- STRUCTURE & IMPROVEMENT	1,144,809.16
311.4 · T & D PUMP STATIONS	2,262,776.38
320.3 · S,T,P.-SEWER TREATMENT PLT EQUI	232,883.86
320.4 · T & D EQUIPMENT	48,607.17
331.4 · T & D MAINS	4,974,673.55
340.5 · OFFICE FURNITURE & EQUIPMENT	1,474.94
341.5 · G.P. - TRANSPORTATION EQUIPMENT	38,621.14
108.1 · ACCUMULATED DEPRECIATION	-2,184,808.00
Total Fixed Assets	6,648,062.15
Other Assets	
186.1 · DEFERRED RATE CASE EXP	16,890.00
187 · ACCOUNTS RECEIVABLE - J THURMAN	1,007.68
Total Other Assets	17,897.68
TOTAL ASSETS	7,494,537.45
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	26,415.65
Credit Cards	-331.43

SEE ACCOUNTANTS' COMPILATION REPORT

GRANT COUNTY SANITARY SEWER DISTRICT
Balance Sheet
As of December 31, 2017

	Dec 31, 17
Other Current Liabilities	
236 · ACCRUED PAYROLL TAXES	497.25
241 · TAX COLLECTIONS PAYABLE	846.65
245 · CUR LIAB PAY FR RESTRICT ASSETS	
231.01 · TRASH COLLECTION PAYABLE	6,918.91
235 · CUSTOMER DEPOSITS	66,976.42
238 · ACCRUED INT ON KIA PHASE I	396.34
239 · ACCRUED INT ON KIA PHASE II	2,084.04
240 · ACCRUED INT ON BB&T LEASE	978.18
243 · CURRENT PORTION OF LTD	147,181.64
Total 245 · CUR LIAB PAY FR RESTRICT ASSETS	224,535.53
Total Other Current Liabilities	225,879.43
Total Current Liabilities	251,963.65
Long Term Liabilities	
220 · NOTE PAYABLE - KIA - PHASE I	158,537.43
221 · NOTE PAYABLE - KIA - PHASE II	833,615.95
222 · CAPITAL LEASE - BB&T	546,534.03
224 · LESS CURR PORTION OF LTD	-147,181.64
Total Long Term Liabilities	1,391,505.77
Total Liabilities	1,643,469.42
Equity	
3020 · NET POSITION	
3000 · INV IN CAP ASSETS LESS REL DEBT	5,112,288.74
3001 · RESTRICTED	12,641.44
3010 · UNRESTRICTED	525,958.61
Total 3020 · NET POSITION	5,650,888.79
Net Income	200,179.24
Total Equity	5,851,068.03
TOTAL LIABILITIES & EQUITY	7,494,537.45

GRANT COUNTY SANITARY SEWER DISTRICT
STATEMENTS OF REVENUES AND EXPENSES
December 2017

	Dec 17	Dec 16	\$ Change
Ordinary Income/Expense			
Income			
461 · METERED SEWER REVENUE			
461.1 · SALES TO RESIDENTIAL CUSTOMERS	48,115.57	47,113.06	1,002.51
461.2 · SALES TO COMMERCIAL CUSTOMERS	7,920.00	8,599.19	-679.19
461.3 · SALES TO INDUSTRIAL CUSTOMERS	310.94	313.22	-2.28
461.11 · BILLING ERRORS	-313.49	-4,353.13	4,039.64
461.13 · LEAK ADJUSTMENTS	-58.55	-431.68	373.13
461.12 · ACCOUNTS RECEIVABLE ADJUSTMEN...	45.57	505.98	-460.41
Total 461 · METERED SEWER REVENUE	56,020.04	51,746.64	4,273.40
470 · FORFEITED DISCOUNTS	894.19	372.85	521.34
471 · MISCELLANEOUS SERVICE REVENUE	1,218.31	1,147.36	70.95
Total Income	58,132.54	53,266.85	4,865.69
Gross Profit	58,132.54	53,266.85	4,865.69
Expense			
403 · DEPRECIATION EXPENSE	19,024.00	-23,471.00	42,495.00
408 · TAXES OTHER THAN INCOME	38.25	30.60	7.65
603 · SALARIES & WAGES-COMMISSIONERS	500.00	400.00	100.00
615 · PURCHASED POWER			
615.01 · PURCHASED POWER - PUMP STATIONS	2,500.58	2,544.33	-43.75
615.03 · PURCHASED POWER - TREATMENT PLT	3,070.76	3,834.60	-763.84
Total 615 · PURCHASED POWER	5,571.34	6,378.93	-807.59
618 · TREATMENT PLANT CHEMICALS	2,790.69	534.60	2,256.09
620 · MATERIALS AND SUPPLIES	2,449.69	3,564.50	-1,114.81
631 · CONTRACTUAL SERVICES-ENGINEERS	360.00	360.00	0.00
632 · CONTRACTUAL SERVICES-ACCOUNTING	1,446.06	1,439.89	6.17
633 · CONTRACTUAL SERVICES-LEGAL	275.00	0.00	275.00
634 · CONTRACTUAL SERVICE-MANAGMENT	16,152.91	13,295.90	2,857.01
635 · CONTRACTUAL SERVICE-OTHER	3,140.54	4,513.74	-1,373.20
636 · CONTRACTUAL SERVICE-SAMPLE ANYS	847.50	1,412.50	-565.00
642 · RENT OF EQUIPMENT	162.20	37.09	125.11
650 · TRANSPORTATION EXPENSE	43.01	-305.44	348.45
656 · INSURANCE-VEHICLE	105.66	103.02	2.64
657 · INSURANCE-GENERAL LIABILITY	414.25	403.74	10.51
658 · INSURANCE - PROPERTY	568.22	553.91	14.31
670 · BAD DEBT EXPENSE	8,330.39	6,112.58	2,217.81
Total Expense	62,219.71	15,364.56	46,855.15
Net Ordinary Income	-4,087.17	37,902.29	-41,989.46
Other Income/Expense			
Other Income			
419 · INTEREST INCOME	163.05	99.05	64.00
414 · GAINS (LOSSES)-UTIL PROP DISP	33,005.44	-142.98	33,148.42
Total Other Income	33,168.49	-43.93	33,212.42
Other Expense			
427 · INTEREST EXPENSE	3,605.55	4,048.69	-443.14
Total Other Expense	3,605.55	4,048.69	-443.14
Net Other Income	29,562.94	-4,092.62	33,655.56
Net Income	25,475.77	33,809.67	-8,333.90

SEE ACCOUNTANT'S COMPILATION REPORT

GRANT COUNTY SANITARY SEWER DISTRICT
STATEMENTS OF REVENUES AND EXPENSES
 January through December 2017

	Jan - Dec 17	Jan - Dec 16	\$ Change
Ordinary Income/Expense			
Income			
461 · METERED SEWER REVENUE			
461.1 · SALES TO RESIDENTIAL CUSTOMERS	602,437.61	644,239.55	-41,801.94
461.2 · SALES TO COMMERCIAL CUSTOMERS	88,746.25	85,282.81	3,463.44
461.3 · SALES TO INDUSTRIAL CUSTOMERS	3,766.44	4,428.22	-661.78
461.11 · BILLING ERRORS	-793.15	-55,084.04	54,290.89
461.13 · LEAK ADJUSTMENTS	-8,908.93	-5,881.79	-3,027.14
461.12 · ACCOUNTS RECEIVABLE ADJUSTMEN...	1,124.24	1,579.60	-455.36
Total 461 · METERED SEWER REVENUE	686,372.46	674,564.35	11,808.11
462 · UNMETERED SEWER REVENUE	0.00	968.11	-968.11
470 · FORFEITED DISCOUNTS	9,910.30	9,002.66	907.64
471 · MISCELLANEOUS SERVICE REVENUE	14,298.05	14,313.29	-15.24
Total Income	710,580.81	698,848.41	11,732.40
Gross Profit	710,580.81	698,848.41	11,732.40
Expense			
403 · DEPRECIATION EXPENSE	196,234.00	192,129.00	4,105.00
408 · TAXES OTHER THAN INCOME	1,892.15	1,723.13	169.02
603 · SALARIES & WAGES-COMMISSIONERS	6,500.00	5,900.00	600.00
615 · PURCHASED POWER			
615.01 · PURCHASED POWER - PUMP STATIONS	30,344.91	35,369.60	-5,024.69
615.03 · PURCHASED POWER - TREATMENT PLT	40,377.67	49,015.10	-8,637.43
Total 615 · PURCHASED POWER	70,722.58	84,384.70	-13,662.12
618 · TREATMENT PLANT CHEMICALS	11,261.51	15,695.82	-4,434.31
620 · MATERIALS AND SUPPLIES	34,914.15	34,929.85	-15.70
631 · CONTRACTUAL SERVICES-ENGINEERS	4,950.00	4,445.00	505.00
632 · CONTRACTUAL SERVICES-ACCOUNTING	31,584.10	25,145.66	6,438.44
633 · CONTRACTUAL SERVICES-LEGAL	9,153.50	5,792.50	3,361.00
634 · CONTRACTUAL SERVICE-MANAGEMENT	126,702.91	123,845.90	2,857.01
635 · CONTRACTUAL SERVICE-OTHER			
635.01 · CS - PUMPING SYSTEM OPERATIONS	3,002.40	3,011.67	-9.27
635.02 · CS - PUMPING SYSTEM REPAIRS	18,539.38	3,528.32	15,011.06
635.03 · CS - TREATMENT PLANT OPERATIONS	59,211.00	66,364.49	-7,153.49
635.04 · CS - STP - REPAIR & MAINT	2,209.79	218.85	1,990.94
635.05 · CS- COLLECTION SYSTEM OPERATION	0.00	575.00	-575.00
635.07 · CS - CUSTOMER BILLING	11,597.52	11,770.77	-173.25
635.08 · CS -GENERAL & ADMINISTRATIVE	8,862.15	9,766.75	-904.60
Total 635 · CONTRACTUAL SERVICE-OTHER	103,422.24	95,235.85	8,186.39
636 · CONTRACTUAL SERVICE-SAMPLE ANYS	13,344.50	14,457.50	-1,113.00
642 · RENT OF EQUIPMENT	1,913.91	1,398.67	515.24
650 · TRANSPORTATION EXPENSE	2,934.67	5,270.01	-2,335.34
656 · INSURANCE-VEHICLE	1,256.80	1,346.87	-90.07
657 · INSURANCE-GENERAL LIABILITY	4,992.41	5,861.25	-868.84
658 · INSURANCE - PROPERTY	6,756.32	5,173.08	1,583.24
660 · ADVERTISING EXPENSE	8.23	0.00	8.23
670 · BAD DEBT EXPENSE	8,301.08	6,752.89	1,548.19
675 · MISCELLANEOUS EXPENSE	186.64	88.04	98.60
Total Expense	637,031.70	629,575.72	7,455.98
Net Ordinary Income	73,549.11	69,272.69	4,276.42
Other Income/Expense			
Other Income			
419 · INTEREST INCOME	1,667.81	1,393.65	274.16

SEE ACCOUNTANT'S COMPILATION REPORT

**GRANT COUNTY SANITARY SEWER DISTRICT
STATEMENTS OF REVENUES AND EXPENSES
January through December 2017**

	Jan - Dec 17	Jan - Dec 16	\$ Change
414 · GAINS (LOSSES)-UTIL PROP DISP	160,555.59	-84.98	160,640.57
432 · PROCEEDS FROM CAPITAL CONTRIB	12,000.00	6,000.00	6,000.00
Total Other Income	174,223.40	7,308.67	166,914.73
Other Expense			
427 · INTEREST EXPENSE	47,593.27	51,695.80	-4,102.53
Total Other Expense	47,593.27	51,695.80	-4,102.53
Net Other Income	126,630.13	-44,387.13	171,017.26
Net Income	200,179.24	24,885.56	175,293.68

GRANT COUNTY SANITARY SEWER DISTRICT
Statements of Revenues & Expenses - Budget vs. Actual
 January through December 2017

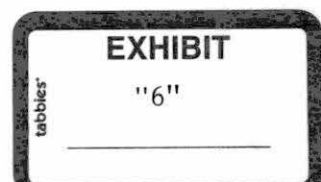
	Jan - Dec 17	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
461 · METERED SEWER REVENUE				
461.1 · SALES TO RESIDENTIAL CUSTOMERS	602,437.61	627,900.00	-25,462.39	95.9%
461.2 · SALES TO COMMERCIAL CUSTOMERS	88,746.25	89,100.00	-353.75	99.6%
461.3 · SALES TO INDUSTRIAL CUSTOMERS	3,766.44	4,400.00	-633.56	85.6%
461.11 · BILLING ERRORS	-793.15	-6,200.00	5,406.85	12.8%
461.13 · LEAK ADJUSTMENTS	-8,908.93	-4,800.00	-4,108.93	185.6%
461.12 · ACCOUNTS RECEIVABLE ADJUSTMEN...	1,124.24	1,320.00	-195.76	85.2%
Total 461 · METERED SEWER REVENUE	686,372.46	711,720.00	-25,347.54	96.4%
470 · FORFEITED DISCOUNTS	9,910.30	8,900.00	1,010.30	111.4%
471 · MISCELLANEOUS SERVICE REVENUE	14,298.05	12,500.00	1,798.05	114.4%
Total Income	710,580.81	733,120.00	-22,539.19	96.9%
Gross Profit	710,580.81	733,120.00	-22,539.19	96.9%
Expense				
403 · DEPRECIATION EXPENSE	196,234.00	208,900.00	-12,666.00	93.9%
407 · AMORTIZATION EXPENSE	0.00	1,831.00	-1,831.00	0.0%
408 · TAXES OTHER THAN INCOME	1,892.15	1,750.00	142.15	108.1%
603 · SALARIES & WAGES-COMMISSIONERS	6,500.00	6,000.00	500.00	108.3%
615 · PURCHASED POWER				
615.01 · PURCHASED POWER - PUMP STATIONS	30,344.91	36,050.00	-5,705.09	84.2%
615.03 · PURCHASED POWER - TREATMENT PLT	40,377.67	49,350.00	-8,972.33	81.8%
Total 615 · PURCHASED POWER	70,722.58	85,400.00	-14,677.42	82.8%
618 · TREATMENT PLANT CHEMICALS	11,261.51	15,000.00	-3,738.49	75.1%
620 · MATERIALS AND SUPPLIES	34,914.15	35,600.00	-685.85	98.1%
631 · CONTRACTUAL SERVICES-ENGINEERS	4,950.00	4,800.00	150.00	103.1%
632 · CONTRACTUAL SERVICES-ACCOUNTING	31,584.10	25,650.00	5,934.10	123.1%
633 · CONTRACTUAL SERVICES-LEGAL	9,153.50	7,000.00	2,153.50	130.8%
634 · CONTRACTUAL SERVICE-MANAGMENT	126,702.91	124,600.00	2,102.91	101.7%
635 · CONTRACTUAL SERVICE-OTHER				
635.01 · CS - PUMPING SYSTEM OPERATIONS	3,002.40	3,000.00	2.40	100.1%
635.02 · CS - PUMPING SYSTEM REPAIRS	18,539.38	3,400.00	15,139.38	545.3%
635.03 · CS - TREATMENT PLANT OPERATIONS	59,211.00	64,350.00	-5,139.00	92.0%
635.04 · CS - STP - REPAIR & MAINT	2,209.79	500.00	1,709.79	442.0%
635.07 · CS - CUSTOMER BILLING	11,597.52	11,900.00	-302.48	97.5%
635.08 · CS -GENERAL & ADMINISTRATIVE	8,862.15	9,550.00	-687.85	92.8%
Total 635 · CONTRACTUAL SERVICE-OTHER	103,422.24	92,700.00	10,722.24	111.6%
636 · CONTRACTUAL SERVICE-SAMPLE ANYS	13,344.50	14,900.00	-1,555.50	89.6%
642 · RENT OF EQUIPMENT	1,913.91	3,400.00	-1,486.09	56.3%
650 · TRANSPORTATION EXPENSE	2,934.67	4,650.00	-1,715.33	63.1%
656 · INSURANCE-VEHICLE	1,256.80	1,250.00	6.80	100.5%
657 · INSURANCE-GENERAL LIABILITY	4,992.41	4,850.00	142.41	102.9%
658 · INSURANCE - PROPERTY	6,756.32	6,650.00	106.32	101.6%
660 · ADVERTISING EXPENSE	8.23	0.00	8.23	100.0%
670 · BAD DEBT EXPENSE	8,301.08	6,600.00	1,701.08	125.8%
675 · MISCELLANEOUS EXPENSE	186.64	100.00	86.64	186.6%
Total Expense	637,031.70	651,631.00	-14,599.30	97.8%
Net Ordinary Income	73,549.11	81,489.00	-7,939.89	90.3%
Other Income/Expense				
Other Income				
419 · INTEREST INCOME	1,667.81	1,230.00	437.81	135.6%
414 · GAINS (LOSSES)-UTIL PROP DISP	160,555.59			

SEE ACCOUNTANT'S COMPILATION REPORT

GRANT COUNTY SANITARY SEWER DISTRICT
Statements of Revenues & Expenses - Budget vs. Actual
January through December 2017

	<u>Jan - Dec 17</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
432 · PROCEEDS FROM CAPITAL CONTRIB	12,000.00	7,000.00	5,000.00	171.4%
Total Other Income	174,223.40	8,230.00	165,993.40	2,116.9%
Other Expense				
427 · INTEREST EXPENSE	47,593.27	47,609.00	-15.73	100.0%
Total Other Expense	47,593.27	47,609.00	-15.73	100.0%
Net Other Income	126,630.13	-39,379.00	166,009.13	-321.6%
Net Income	200,179.24	42,110.00	158,069.24	475.4%

Grant Co. Sanitary Sewer District
Sewer Overflow Response Plan (SORP)



Grant Co. Sanitary Sewer District

SORP Procedures

1. Communications
 - Maintain emergency customer service contact number (859-428-1235) that can be reached 24 hrs. /day, 7 days/week.
 - Determine and record essential details (i.e. date, time, location, and/or observations) provided by the reporting party.
 - At least one certified collections/ maintenance personnel is on call at all times that stay within 30 minutes and able to respond promptly to any potential issues.
2. Assessment/Cause of Impact
 - Determine wither issues are related to operation and maintenance or wet weather infiltration.
 - Report findings to supervisor if additional assistance is needed.
 - Take appropriate photos/videos of the overflow issues for documentation purposes.
 - If a suspicious substance is found on site, contact supervisor to dispatch HAZMAT team.
3. Corrective Procedures
 - Eliminate overflow or divert to containment (i.e. vacuum truck, mobile bypass pump).
 - Take appropriate action to repair damaged/malfunctioning pump station or line break one the spill has been contained.
4. Clean-up/Post Spill
 - Secure the area once repairs are completed to prevent public contact.
 - Clean & remove debris from site.
 - Remove contaminated soil.
 - Contact a clean-up team if the overflow is deemed too substantial for maintenance personnel.
 - Disinfect using hydrated lime on the contaminated area.
 - Additional measures may be determined by spill supervisor.
5. Reporting Overflow/Spill
 - Report location and actions taken to supervisor.
 - Report overflow to the Division of Water (DOW) with DOW spill report via fax. Report must include time, date, location, person(s) who reported the spill, & actions taken to resolve the issue.
 - Report issues & actions taken to customer/public as needed.
 - Conduct a follow up inspection of the overflow site within 24 hours of clean-up.

When a grinder or pumping station fails, the wastewater level in the storage tank is likely to rise until it reaches a high water level. All grinder/pumping stations have been equipped with a red alarm light that activated when high water levels are reached in the storage tank. Most grinder/pumping stations are also equipped with an audio alarm. When activated, these alarms can easily be seen and heard by persons a considerable distance away from the grinder/pumping station. Generally, the property owner, an adjoining property owner, or local law enforcement will notify Grant Co. Sanitary Sewer District of the alarm and a service employee will be dispatched to examine the station and make appropriate repairs.

In the event of an overflow, the grinder/pumping station will retain any solid waste in the tank and will bypass water to the area surrounding the station. Furthermore, Grant Co. Sanitary Sewer District has placed sewer relief valves on the sewer cleanout of each station. If the water level rises within the station's tank and the station's bypass system is not sufficient to prevent water from backing up into the pipe running from the structure to the station, these relief valves will automatically open and allow water to bypass through the cleanout. Very few grinder/pumping station failures have resulted in an overflow or bypass event. In most instances, service personnel reach the troubled grinder/pumping station in adequate time to resolve the problem without an overflow event.