

# UPPER PROVIDENCE TOWNSHIP SEWER AUTHORITY

935 NORTH PROVIDENCE ROAD • MEDIA • PENNSYLVANIA 19063 • (610) 566-5376

## **PROCEDURE FOR APPLICATION OF A PERMIT FOR DISCHARGE** **APPLICANT MUST COMPLETE THE FOLLOWING**

- 1.) The Application & Permit for Discharge form is completed.
- 2.) The application form shall accompany a sketch showing the following items.
  - a. The location by the street and the number of the property to be served.
  - b. Location of the building on the property.
  - c. The Authority sewer to which the connection will be made.
  - d. The line of the proposed lateral and the proposed point of the connection to the Authority's Sewer.
  - e. The type of connection and the means of making the same include the type, length, size, and invert at the sewer lateral connection.
  - f. A road restoration detail.
  - g. If a connection is to a manhole, a detail of the connection.
- 3.) **LOW-PRESSURE SEWER CONNECTION**
  - A. A GRINDER PUMP REQUEST APPLICATION FORM and an EASEMENT AND A RIGHT-OF-WAY AGREEMENT shall be completed and attached to the PERMIT FOR DISCHARGE APPLICATION.
- 4.) **FEES.**

Application & Connection fee of **\$300.00** to be submitted with the application form.

The tapping fee is **\$5700.00** for each private dwelling or living unit. The tapping fee is to be submitted with the application form.

The Tapping Fee for other facilities will be based upon the Tapping Fee Schedule.
- 5.) When Approved by the Sewer Authority, Engineer, and upon receipt of the required fees a Permit will be issued by the Sewer Authority authorizing connection.

- 6.) After the connection is completed but before the covering or backfilling, the owner, or his agent doing the work shall notify the Authority inspectors, Upper Providence Township Plumbing Inspector, and the Sewer Authority Engineer.
- 7.) All items listed MUST be provided to the Sewer Authority office before arrangements can be made to connect to the sewer system.

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## 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.

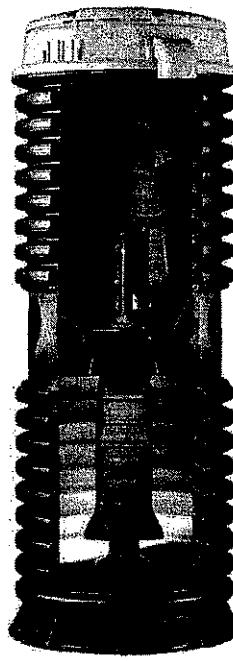
### **Caution: Do not disconnect power to the unit**

### 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.



**GRINDER PUMP INSTALLATION CONTRACTORS**

	CONTRACTOR	Phone 1	Phone 2
1	ANTHONY McDERMOTT PLUMBING,LLC	610-357-8659	
2	AQUARIUS PLUMBING AND HEATING	610-544-3211	
3	BANNER ASSOCIATES	484-256-1733	610-369-1955
4	BARILOTTI, MIKE PLUMBING	610-446-8148	610-918-1435
5	BERLIN CONSTRUCTION	610-924-5442	
6	BILL SPERRY	610-633-4100	
7	BOTELLA,STEVE CONSTRUCTION	610-399-3359	
8	BRAD SHEAFFER PLUMBING&EXCAVATING	610-497-7737	
9	BRANDYWINE CONSTRUCTION	302-571-9773	
10	BRENDAN WALSH PLUMBING	1-866-623-6500	
11	BRUCE E. SHEAFFER PLUMBING&HEATING	610-534-2811	
12	C.J.COLAMECO, INC.	856-466-2954	
13	C.M.KRISTMAN	610-347-0688	
14	CHESTER COUNTY INNOVATIONS	610-361-4559	
15	CIRCLE K CONTRACTING	610-459-3435	
16	CLASSIC INC.	610-534-3206	
17	COLEMAN PLUMBING	610-565-9949	
18	CONLEY & SONS	610-734-1875	
19	COUNTRY & TOWN PLUMBING	610494-6551	
20	db ENTERPRISES	610-476-2399	
21	DELAWARE VALLEY SEPTICS, INC.	610-789-0739	
22	DELUCA PLUMBING	484-576-9276	
23	DEROSA EXCAVATING, JASON DEROSA	484-645-3192	
24	DiGravio Plumbing & Heating	610-565-5870	
25	FALCONE & TRUMAN, BOB McNAMEE, MICHAEL FRICKO	610-328-6914	
26	GILDEA PLUMBING & HEATING	610-565-6979	
27	GOMEZ EXCAVATING	610-444-8877	
28	HAGGERTY, BILL PLUMBING & HEATING	610-565-2062	
29	HAMMOND & COMPANY	610-558-3491	
30	HART BUILDERS	215-350-5502	
31	HENDERSON, INC.	610-544-7999	
32	HORIZON	302-162-1200	
33	IMPORTANT: THIS LIST IS NOT A RECOMMENDATION OF ANY PLUMBER.		
34	ISLAND CABLE COMPANY	856-854-4480	
35	J&P CONTRACTING CO.	610-449-4235	
36	J.A.M. UTILITIES & EXCAVATING LLC	610-323-6993	610-656-2420
37	JOHN B. GREGORY & SONS LLC	610-623-4675	
38	JOHN J. MAY	610-558-1600	
39	JUSTIN KEENAN	610-724-4157	
40	KBX Golden,LLC	610-637-7077	
41	KELLER & WOLF	610-358-2522	
42	KIRCHHOFF CONT., MICHAEL KIRCHHOFF	610-566-1372	
43	LANCIANO PLUMBING	610-461-5591	
44	LECH BROTHERS	1-877-937-5324	
45	LERARIO PLUMBING	610-522-1166	
46	LITTLE DIGGER	610-565-6800	ELL-610-656-492
47	M.DILEONARDO PLUMBING & HEATING	610-544-7170	

**GRINDER PUMP INSTALLATION CONTRACTORS**

	CONTRACTOR	Phone 1	Phone 2
48	<b>McKENNEY CONSTRUCTION</b>	610-876-2820	
49	<b>MCLAUGHLIN, F.J.</b>	610-494-4024	
50	<b>MILLER, DAN PLUMBING &amp; HEATING</b>	610-259-5329	
51	<b>NELSON PLUMBING &amp; HEATING</b>	610-637-0280	484-571-1228
52	<b>NORRBON, JOHN</b>	610-565-1611	
53	<b>ON SITE MANAGEMENT</b>	610-430-3100	
54	<b>O'RANGERS PLUMBING</b>	610-876-3772	
55	<b>OUTERSPACES, INC.</b>	610-566-9289	610-226-5361
56	<b>PICKERING VALLEY CONTRACTORS</b>	610-458-7200	
57	<b>PINNACLE MECHANICAL</b>	610-803-6700	
58	<b>POWELL EXCAVATION</b>	610-459-8316	
59	<b>PROFESSIONAL PLUMBING SERVICES</b>	610-496-3251	610-541-0505
60	<b>PROTECH CONSTRUCTION &amp; EXCAVATING CO.</b>	610-459-2862	
61	<b>REK Inc.</b>	610-291-3007	
62	<b>RICHARDSON, WILLIAM RICHARDSON</b>	610-636-6188	
63	<b>ROBERT HATCH &amp; SONS</b>	610-623-8787	
64	<b>S&amp;D MECHANICAL</b>	610-656-0910	
65	<b>SAVAGE, WILLIAM PLUMBING &amp; HEATING</b>	610-566-5966	
66	<b>SKIDASSIST</b>	215-220-2350	
67	<b>SPENCE PLUMBING &amp; HEATING</b>	610-328-2022	
68	<b>STEVE J. MCLEER, SR.</b>	610-449-2159	610-420-8351
69	<b>STONEWOOD CONTRACTING, INC.</b>	610-721-2447	
70	<b>TED NATALE</b>	610-449-3215	
71	<b>THE PLUMBER</b>	610-328-7618	
72	<b>THIEL, DAVE PLUMBING</b>	610-565-9208	
73	<b>TILLMAN &amp; SON PLUMBING &amp; HEATING</b>	610-566-5579	
74	<b>TLC Drains &amp; Sewer</b>	855 TLC GUYS	610-636-8471
75	<b>TROUT CONSTRUCTION</b>	610-874-5030	
76	<b>TSQ PLUMBING &amp; HEATING</b>	610-446-4842	
77	<b>UNDERGROUND ANSWERS</b>	610-328-4601	
78	<b>VINCE McHALE EXCAVATING</b>	484-368-6842	
79	<b>VINCENT McHALE EXCAVATING</b>	610-969-6994	
80	<b>WORTHINGTON PLUMBING</b>	610-356-8014	
81	<b>IT IS NOT REQUIRED THAT YOU HIRE A PLUMBER FROM THIS LIST. THE UPPER PROVIDENCE TOWNSHIP SEWER AUTHORITY IS NOT RESPONSIBLE FOR THE WORK PERFORMED BY YOUR CONTRACTOR. THE INSPECTIONS PERFORMED BY KELLY &amp; CLOSE ENGINEERS ON BEHALF OF THE AUTHORITY ARE ONLY FOR CODE COMPLIANCE AND SERVICEABILITY ASPECTS OF THE INSTALLATION.</b>		

## GRINDER PUMP STORAGE CAPACITY

One of the most common questions that is asked about the operation of sewer grinder pumps is what happens if the electric goes off.

If the electric goes off, the pump motor cannot come on. However, each pump has storage capacity ( 70 gallons ) that allows the home owner to continue to use their necessary facilities. Each pump tank always has 24 gallons in the bottom. When the level in the tank reaches 32 gallons (see note), the level is pumped back to 24 gallons.

Therefore, the available storage capacity at the outset of a power outage would be between 38 gallons and 46 gallons. In real life terms, assuming use of a low flow toilet, 38 gallons equals 23 flushes and 46 gallons equals 28 flushes. If power outages are a major concern, please talk to me so that I can offer some insight and suggestions that may help address your concerns.

Note: at some of our previous meetings and in conversations with customers, I believe I stated that the pump comes on when the level in the tank reaches 37 gallons. This was incorrect. The pump come on at 32 gallons according to manufacturer's literature.

Dick Spielman  
Operations Manager

# UPPER PROVIDENCE TOWNSHIP SEWER AUTHORITY

935 N. PROVIDENCE ROAD  
MEDIA, Pa. 19063  
(610) 566-5376

## GRINDER PUMP REQUEST APPLICATION

PROPERTY OWNER'S NAME: \_\_\_\_\_

RESIDENT'S NAME ( IF DIFFERENT ): \_\_\_\_\_

ADDRESS OF REQUESTED SEWER SERVICE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

CONTRACTOR CONTACT: \_\_\_\_\_

CONTRACTOR'S PHONE NUMBER: \_\_\_\_\_

DEPTH OF GRAVITY HOUSE LINE AT PROPOSED PUMP LOCATION: \_\_\_\_\_ \*

The contractor or representative will sign a receipt when receiving the grinder pump. The grinder pump must be installed and inspected within 60 days of it's being issued to the contractor or be returned to the Authority storage location. Failure to do so will result in a bill to the contractor for the current replacement cost of the issued equipment. The contractor is responsible for the issued equipment until installation and final inspection. While the grinder pump may be stored outdoors, the alarm panel and connecting cord must be kept dry.

### **\* E-ONE PUMP APPLICATION CHART:**

INVERT OF GRAVITY LINE	PUMP MODEL	EXTRA CAPACITY
0-34.5 INCHES	DH071-74	ask for current price
37-53.5 INCHES	DH071-93	ask for current price
55-84.5 INCHES	DH071-124 (NON STOCK)	
OTHER ( NON STOCK )		

NOT ALL SIZES ARE STOCK ITEMS, SPECIAL ORDERS CAN TAKE UP TO SIX WEEKS. CHECK ON AVAILABILITY BEFORE SCHEDULING WORK. ALL STOCK PUMPS ISSUED ON A FIRST COME, FIRST SERVED BASIS.

### **OPTIONS@CUSTOMER EXPENSE: CONSULT OFFICE FOR PRICES**

- EXTRA CAPACITY SUMP (SEE ABOVE)
- CONTROL BOX WITH TRANSFER SWITCH
- PUMP CORD ( STANDARD CORD IS 50 FEET)
- 75' CORD
- 100' CORD
- OTHER ( REMOTE SENTRY ALARM )

Note: All extra charges must be paid before such equipment will be ordered. In the case of 75 and 100 foot cords, the issued standard 50 foot cord must be returned before the longer cord will be issued.

**IMPORTANT NOTE: NO PUMP WILL BE ISSUED UNLESS ALL PAPER WORK IS COMPLETED AND ALL FEES PAID.**

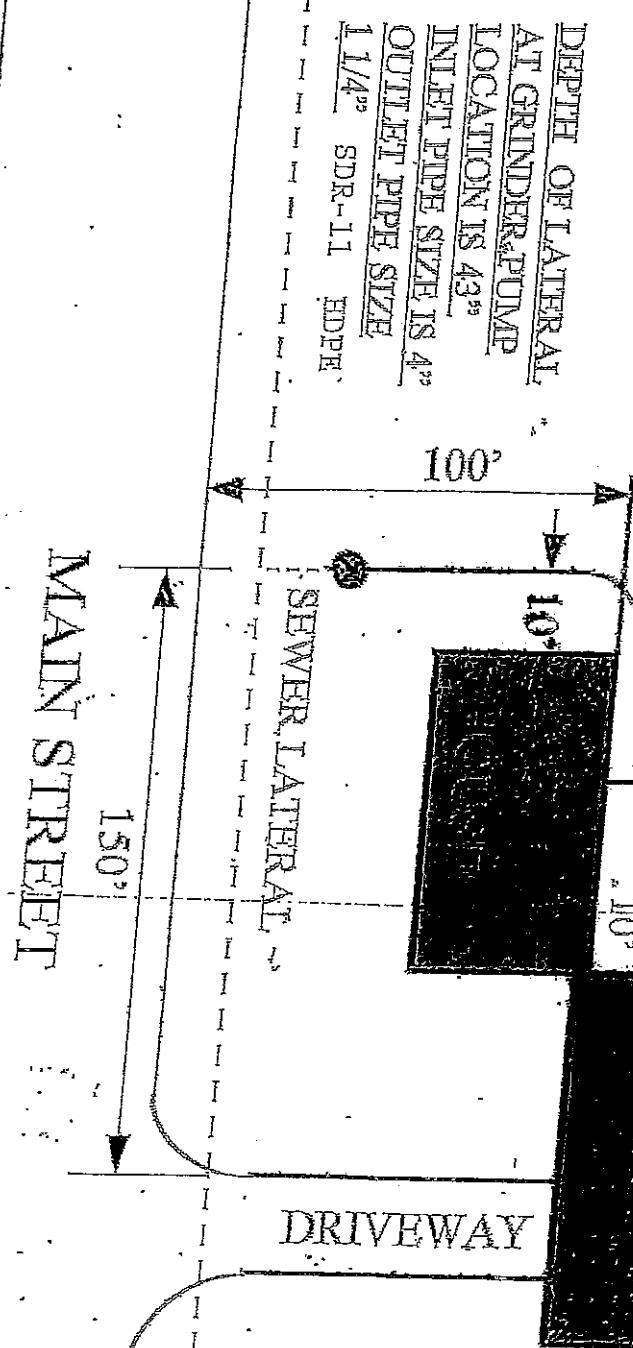
CONTRACTOR'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

OWNER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

Township Permits: Electrical \_\_\_\_\_ Plumbing \_\_\_\_\_

## EXAMPLE

EXISTING DRAIN FIELD  
PROPOSED GRINDER PUMP AND SEWER  
SERVICE INSTALLATION FOR 122 MAIN ST.  
EXISTING SEPTIC TANK



SEWER SERVICE IS 1 1/4" SDR-11 PLASTIC PIPE INSTALLED  
AT A NOMINAL DEPTH OF 36<sup>ft</sup>.

Note: Required information is underlined.