

## Seneca County General Health District Household Sewage Treatment System Site Review & Permit Requirement Guide

The following information regarding the Household Sewage Treatment System (HSTS) Site Review and Permitting process is for those people who are thinking of building a new home in Seneca County (not accessible to sewer) or who are replacing an existing HSTS. The property owner is encouraged to become familiar with the *Seneca County General Health District Household Sewage Treatment Rules*, as the property owner is ultimately responsible for the proper siting, design, installation, alteration, operation, monitoring, maintenance and abandonment of their HSTS. The owner shall comply with all applicable provisions of the law and rules and shall operate the HSTS in compliance with the operation and maintenance (O&M) instructions and any conditions of the operation permit issued by the Seneca County General Health District (SCGHD).

In order to replace or install a HSTS the following steps must be completed:

- A) A **Site and Soil Evaluation** must be completed by a competent person. Competency may include, but is not limited to, certification from the soil science society of America (SSSA). A listing of individuals certified with the SSSA can be found at the following website <https://www.soils.org/home>. An abbreviated listing of soil scientist is included in this packet. Please note that the SCGHD no longer conducts site and soil evaluations. The site and soil evaluation may be accepted indefinitely as long as the proposed location of the HSTS doesn't change. The Site and Soil Evaluation required documentation includes:
1. Scaled site drawing submitted with the following minimum requirements:
    - a. The dimensions of the lot or the proposed lot;
    - b. Any existing dwellings and/or structures and any proposed dwellings and/or structures if known
    - c. Any site disturbances, existing driveways and other hardscapes or proposed hardscapes or related site disturbances if known;
    - d. Location of all private water systems and surface water features on the lot and within fifty feet of the lot boundary, or within fifty feet of the locations determined for the HSTS and replacement HSTS;
    - e. North orientation arrow.
  2. Record of site and soil characteristics for each soil boring and/or excavation location using USDA NRCS nomenclature on a form prescribed by the director of health, including but not limited to:
    - a. Site descriptions: landscape position, slope, vegetation, drainage features, rock outcrops, erosion, and other natural features;
    - b. Detailed soil profile descriptions: color, texture, structure, consistence, depth of each soil horizon or layer and characterization of all limiting conditions; and
    - c. Documentation of any relevant surface hydrology, geologic and hydro-geologic risk factors that may indicate vulnerability for surface water and ground water contamination.
  3. Drawings and dimensions on the site plan or drawing that have been evaluated and determined to have the capacity for the treatment and/or dispersal of sewage from the proposed dwelling or structures including adequate length parallel to the land contour to accommodate the soil and linear leading rates for the conditions recorded.
  4. Identification on the site plan or site drawing of the area for which each soil profile description is representative and designation of any areas with conditions that would prohibit or impact the siting of a HSTS. The represented area must be staked or identified by natural markers.
- B) A **Site Review** must be completed by the SCGHD. A site review expires 5 years from the approval date. The following procedure includes:
1. Homeowner must submit Site and Soil Evaluation documentation to the health district.
  2. Homeowner must complete and pay for a Site Review Application (\$220.00 fee).
    - a. Sanitarian will review Site and Soil Evaluation and upon approval will indicate what type of system can be utilized.
    - b. Sanitarian will review Design plan and upon approval will contact the homeowner.
  3. Property owner and sanitarian will discuss Site Review Application, including supplemental documentation that may be required before a permit can be issued. Sanitarian and property owner will sign the Site Review Application (sanitarian signature indicates approval; property owner signature indicates understanding of agreement, responsibility and requirements).
- C) A Site and Soil Evaluation may not be necessary if it is determined that there is not an adequate area available for a soil-based HSTS. If you feel you may not have enough area for a soil-based HSTS, please contact our office prior to conducting a Site and Soil Evaluation.
- D) The property owner, prior to installation of the HSTS, must purchase a **SCGHD Permit for Installation-Operation of a Household Sewage Treatment System**. This permit can be purchased following the Site Review approval. The permit will expire one year from the date of purchase. Operation permit will expire 5 years after system installation and must be renewed.

## SEPTIC DESIGN REQUIREMENTS

**DESIGN PLAN:** A design plan is required to be completed by a competent person as described 3710-29-10. A competent person must demonstrate the following:

1. Estimate STS flows including, daily design flows, and any expected variations and estimate pollutant concentrations and mass loads exceeding typical residential sewage strength as defined in paragraph (C) of rule 3701-29-11.
2. Interpret and evaluate all site specific information including the soil evaluation, site conditions, site prohibitions and information provided by the owner to determine feasible STS options that will meet the requirements of this chapter.
3. Evaluate site hydraulics and understand how the proposed STS integrates with the site topography and grade to site the STS.
4. Select devices and components capable of meeting performance requirements based on knowledge of these rules and STS technologies approved by the director of health;
5. Provide approximate installation and operation costs of feasible STS options to assist the owner in selection of the STS to design.
6. Prepare a detailed design including all items outlined in paragraph (C) of this rule which fully complies with this chapter.

A Design Plan shall be legible, readable, and of sufficient detail to demonstrate compliance with the provisions of this chapter. A Design Plan shall at a minimum include:

1. A description of the dwelling and/or structure(s) to be served by the STS
2. Details on daily design flow, soil loading rates based on soil evaluation, length along contour, absorption area dimensions, and if needed, pump selection/sizing, and pressure distribution network information;
3. Rationale if varying from standards for items such as design flow, waste strength, or length along contour;
4. Identification and a description of all materials and system devices and components including septic tanks, dosing tanks, distribution piping, diversion mechanisms, and distribution materials;
5. Identification of applicable sizing requirements for all STS devices and components;
6. If applicable, identification of the approved system manufacturer and model to be used, manufacturer O&M instructions, and means of access for O&M equipment to service the STS;
7. Construction and installation notes for the system installer including manufacturer installation instructions.
8. Copies of or electronic access to O&M requirements, manuals, and instructions for the owner and service provider;
9. A legible scaled site drawing on eight and a half inch by eleven inch or larger paper showing the layout of the STS on the site.
  - a. The proposed location of STS devices and components including the location of the soil absorption component as staked or flagged on site;
  - b. The designated area for complete relocation and replacement of the STS as staked on site as required by paragraph (G) of rule 3701-29-06 of the Administrative Code;
  - c. The approximate location of all items designated in paragraph (G) of rule 3701-29-06 and demonstrate that required isolation distances are met to both the proposed STS and the replacement area;
  - d. The location of all surface features that may affect the operation or installation of the STS including, but not limited to, disturbed areas, drainage features, wooded areas, and hardscapes;
  - e. The approximate location of soil borings and/or soil test pits; and
  - f. North directional arrow;
10. If necessary or applicable at least one enlarged, detailed plan view drawing of the system. The drawing(s) shall illustrate:
  - a. The proposed location and configuration of the system with proposed absorption area dimensions and elevations;
  - b. Ground surface elevations and component elevations as necessary to ensure compliance with this chapter; and
  - c. Any additional information requested by the board of health;
11. If applicable, pump selection information including the pump curve and system performance curve;
12. If applicable, pressure distribution network description and calculations; and
13. Any additional information required by the board of health.



SEPTIC SYSTEM TYPE	COMPONENTS							OPERATION AND MAINTENANCE					Estimated System Cost	
	MIN. DISTANCE TO PSWT	SEPTIC TANK	ATU	LIFT STATION	PRESSURE LINES	SAND FILL	ENG. DRAINAGE	HOME-OWNER	SERVICE PROVIDER	1/YEAR	2/YEAR	SAMPLE REQ.		Estimated Cost/yr
LEACHFIELD	14"	x							x	x			\$100	3 Bdrm \$10,000
ENG. DRAIN W/ LEACHFIELD	6"	x					x		x	x		x	\$285	\$11,000
ATU W/ LEACHFIELD	10"		x						x		x		\$285	\$12,000
LEACHFIELD W/ LIFT STATION	14"	x		x					x	x			\$100	\$12,000
NPDES W/ LEACHFIELD	4"		x						x		x		\$285	\$14,000
LPP	10"	x		x	x				x	x			\$125	\$14,500
ATU W/ LEACHFIELD/LIFT STATION	10"		x	x					x		x		\$285	\$14,500
SPRAY IRRIGATION	2"		x	x	x				x		x		\$285	\$15,000
PEAT PAD	8"	x		x	x				x	x			\$125	\$16,000
SAND MOUND	6"	x		x	x	x			x	x			\$125	\$17,000
DRIP IRRIGATION	6"		x	x	x				x		x		\$285	\$22,000

## **SEPTIC SYSTEM DESIGNERS**

**NOTE: ANY REGISTERED SEPTIC INSTALLER MAY DESIGN A SEPTIC SYSTEM**

Accurate Onsite Septic Planners (Andy Hill)  
PO Box 1653  
Wooster, Ohio 44691

CDK Structures, Inc. (Chas Kaiser)  
4600 Mitchell Lane  
Ostrander, Ohio 43061  
614-206-4627 [cdkstructures@aol.com](mailto:cdkstructures@aol.com) / [www.cdkstructures.net](http://www.cdkstructures.net)

Contractors Design Engineering, LLC  
1623 Old State Road  
Norwalk, Ohio 44857  
(419) 663-0885/(419) 585-0272

Flush Environmental Engineering LLC (Chad Antle, P.E.)  
4600 Mitchell Lane  
Ostrander, Ohio 43061  
740-972-2499/ [cantle25@att.net](mailto:cantle25@att.net)

GEOPHYTA, INC  
2685 County Road 254  
Vickery, OH 43464  
(419) 547-8538/[Nathan@geophyta.com](mailto:Nathan@geophyta.com)

Hank & Associates Inc.  
137 S. Washington  
Tiffin, OH 44883  
(419) 447-4300

HST Services (Rick Emmons)  
1566-S Baney Rd.  
Ashland, Ohio 44805  
(419) 606-2625

Norwalk Concrete Industries  
80 Commerce Dr.  
Norwalk, OH 44857  
(800) 733-3624/[www.nciprecast.com](http://www.nciprecast.com)

Soil & Environmental Consulting Services, Inc.  
Steve Miller  
1974 N. 3Bs and K Rd.  
Sunbury, Ohio 43074  
(614) 579-1164

Streamkey, Inc. (E. Joseph Keiser, P.E.)  
8603 Lancaster Ave.  
Cincinnati, OH 45242  
(800) 876-0955

Van Horn Hoover & Associates, Inc. (Dan Stone, P.E.)  
9747 US 224 W.  
Findlay, OH  
(419) 423-5630  
[vhha@bright.net](mailto:vhha@bright.net)

## **CERTIFIED SOIL SCIENTIST**

**NOTE: A complete listing of certified soil scientist can be obtained at <https://www.soils.org/home>**

Steve Ross  
Soil & Site LLC  
Cardington, Ohio 43315  
Phone: 419-718-4301  
Email: [steve.s.ross@gmail.com](mailto:steve.s.ross@gmail.com)

Steven A. Miller  
1974 North Three Bs and K Road  
Sunbury, OH 43074, USA  
Work Phone: 614-579-1164  
Fax: 740-524-0214  
Email: [soilconsultant@yahoo.com](mailto:soilconsultant@yahoo.com)

E. Larry Milliron, Soil Scientist  
Milliron Soil Evaluations, LLC  
12215 Berlin Station Road  
Berlin Center, OH 44401, USA  
Work Phone: 330-547-2475  
Fax: 330-547-2475  
Email: [milliron.soils@embarqmail.com](mailto:milliron.soils@embarqmail.com)

Joseph William Ringler  
4945 Preston Rd  
Shelby, OH 44875, USA  
Work Phone: 419-606-8699  
Email: [joeringler@yahoo.com](mailto:joeringler@yahoo.com)

Lawrence A. Tornes  
Tornes Soil Investigations  
811 State Route 61 North  
Sunbury, OH 43074, USA  
Work Phone: 740-965-3254  
Email: [LarryTornes@aol.com](mailto:LarryTornes@aol.com)

Nathan Alan Wright  
Geophyta Inc  
2685 CR 254  
Vickery, OH 43464-9775, USA  
Work Phone: 419-547-8538  
Fax: 419-547-8538  
Email: [nathan@geophyta.com](mailto:nathan@geophyta.com)

Tommy L. Zimmerman  
Zimmerman Soil Consultants LLC  
2410 Oil City Rd  
Wooster, OH 44691-4036, USA  
Work Phone: 330-264-5521  
Fax: 330-264-5521  
Email: [zimmerman.4@osu.edu](mailto:zimmerman.4@osu.edu)

# Registered Installers for Household Sewage Treatment Systems

ID #	Business / Name / Types of Installations	Address / Email	Phone / Cell Phone / Fax
63	A & D EXCAVATING ADAM FAETH	5872 S SR 587 NEW RIEGEL, OH 44853 AFAETH74@GMAIL.COM	1-419-934-2220 1-419-934-2220
105	A B W EXCAVATING LLC ALLEN WEAVER	2958 COUNTY HWY 44 NEVADA, OH 44849 SAWEAVER@BRIGHT.NET	1-419-927-4513 1-419-927-4513
39	ALLEN EXCAVATING, INC. DAVID W ALLEN	7155 E. CO. RD. 6 BLOOMVILLE, OH 44818	1-419-983-2132 1-419-261-7854 1-419-983-2032
144	ANSTEAD CONSTRUCTION, LLC DUSTIN ANSTEAD	1856 CR 207 FREMONT, OH 43420 DUSTIN@ANSTEADCONSTRUCTIONLLC.COM	1-419-639-3162 1-419-307-8624 1-419-639-2162
128	ARNOLD- LUCIUS CONSTRUCTION CO INC NATHAN LUCIUS	1893 W CR 52 TIFFIN, OH 44883 NATHANLUCIUS@GMAIL.COM	1-419-443-1387
139	BLEVINS EXCAVATING RON BLEVINS	6490 CR 107 GIBSONBURG, OH 43431 BLEVINSR9210@YAHOO.COM	1-419-467-9924
35	BOES BROTHERS, INC. RANDY BOES	21660 TR 284 FOSTORIA, OH 44830 RABOES6@GMAIL.COM	1-419-436-9854 1-419-722-5531 1-419-436-1217
138	BUGNER'S SEWER & PORTABLE JACK BUGNER/ HANK BUGNER	468 N SR 587 FOSTORIA, OH 44830 TOILET1@BRIGHT.NET	1-419-435-3977 1-419-937-3283 1-419-435-3977
125	CHAD CORFMAN CHAD CORFMAN	509 S WASHINGTON ST REPUBLIC, OH 44867 CHADCORFMAN@YAHOO.COM	1-419-618-5572
26	DANIEL ENTERPRISES INC. DBA THOMAS THOMAS DANIEL	5717 W. TWP. RD. 112 TIFFIN, OH 44883 daniel73@bright.net	1-419-937-2838 -419-937-3208 1-419-937-2839
141	HANES EXCAVATING LTD RANDY HANES	7051 ROSS RD BLOOMVILLE, OH 44818 RHANES68@GMAIL.COM	1-419-561-1232 1-419-561-1244
140	HOOVER'S PROPERTY SERVICES LLC ANDREW R HOOVER	5795 N TR 69 TIFFIN, OH 44883 ARH@BRIGHT.NET	1-419-619-2621
102	JB AND SONS CONTRACTING LLC JOE BOLLENBACHER	13224 E CR 32 BELLEVUE, OH 44811 jbollenbacher@msn.com	1-419-483-2812 1-419-552-0267 1-419-483-2812
48	METZGER EXCAVATING/ MIKE METZGER MICHAEL P. METZGER	9550 W. C.R. 10 NEW RIEGEL, OH 44853	1-419-595-2400 1-419-937-5048 1-419-595-3155
133	PINE VIEW EXCAVATING LLC LEON NEUENSCHWANDER	7560 N TR 64 FOSTORIA, OH 44830	-419-379-8269
66	SLINGWINE EXCAVATING MARC SLINGWINE	10239 E TR 148 REPUBLIC, OH 44867 MESLINGWINE@GMAIL.COM	-419-483-5414 -419-217-4295
127	STEPHEN'S BACKHOE SERVICE RANDY STEPHENS	PO BOX 187 WILLARD, OH 44890 RANDALSTEPHENSCONSTRUCTION60@GMAIL.	1-419-706-1226

## Registered Installers for Household Sewage Treatment Systems

<b>ID #</b>	<b>Business / Name / Types of Installations</b>	<b>Address / Email</b>	<b>Phone / Cell Phone / Fax</b>
132	TERRY MCCONNEL EXCAVATING LLC TERRY MCCONNEL	1530 HEYMAN RD BELLEVUE, OH 44811 TPMC76@YAHOO.COM	1-419-681-3063 1-419-744-7814
17	THEIS CONSTRUCTION CRIS THEIS	3210 S TR 159 TIFFIN, OH 44883 THEISCONST@YAHOO.COM	1-419-447-7306 1-419-937-5155 -419-448-8230
143	ZIMMERMAN'S EXCAVATING IVAN ZIMMERMAN	6918 ROME GREENWICH ROAD SHILOH, OH 44878 ZIMMERMAN'S EXCAVATING@IBYFAX.COM	1-419-896-3205

20 TOTAL

# Septage Haulers

Seneca County General Health District

71 S. WASHINGTON ST

TIFFIN, OH 44883

Phone: 1-419-447-3691 Fax: 1-419-448-5782

<b>Business/Operator's Name/Phone</b>	<b>Address</b>
ADKIN'S SANITATION JOHN ADKINS 1-419-332-2873	2226 W GARRISON FREMONT, OH 43420
BUGNER'S SEWER & PORTABLE RESTROOMS NICK BUGNER OR HANK BUGNER 1-419-435-3977	468 N SR 587/ PO BOX 230 FOSTORIA, OH 44830
C & L SANITATION, INC. THOMAS L STANGE, PRESIDENT 1-419-874-4653	27545 GLENWOOD RD, PO BOX 691 PERRYSBURG, OH 43552
DARR'S CLEANING BERNIE DARR 1-419-547-0410	5089 CO. RD. 175 CLYDE, OH 43410
DISTEL'S SEPTIC TANK SERVICES AARON DISTEL 1-419-448-0250	30 ELLA STREET TIFFIN, OH 44883
GARNER SANITATION SERVICES PHILLIP MYERS 1-800-473-3205	2525 W MONROE ST., PO BOX 1234 SANDUSKY, OH 44871
HOOVER'S SEPTIC TANK CLEANING RANDY HOOVER 1-419-937-2881	1520 N. TWP. RD. 111 TIFFIN, OH 44883
KURTZMAN PORTABLE TOILETS KIM SCHROEDER -419-683-2988	PO BOX 365 725 W MAIN ST CRESTLINE, OH 44827
PAUL FOX & SONS EXCAVATING  -419-609-9980	3501 HAYES AVENUE SANDUSKY, OH 44870
STIGER PRECAST INC. MIKE STIGER 1-740-482-2313	17793 S.H. 231 NEVADA, OH 44849
THEIS SEPTIC CHARLES E THEIS 1-419-447-9149	2729 E US 224 TIFFIN, OH 44883

11 TOTAL

# Service Providers - Household Sewage Treatment Systems

Seneca County General Health District

71 S. WASHINGTON ST

TIFFIN, OH 44883

Phone: 1-419-447-3691 Fax: 1-419-448-5782

ID # / BUSINESS NAME / PHONE / CONTACT / ADDRESS	SYSTEMS SERVICED
9 A & D EXCAVATING, LLC 1-419-934-2220 ADAM FAETH 5872 S SR 587 NEW RIEGEL, OH 44853	LEACHFIELDS LOW PRESSURE PIPE (LPP) SAND MOUNDS ECOFLO CONSOLIDATED TREATMENT SYSTEMS NORWECO SINGULAIR WASTEWATER TREATMENT SYSTEM JET 1500 SERIES
10 A B W EXCAVATING LLC 1-419-927-4513 ALLEN WEAVER 2958 COUNTY HWY 44 NEVADA, OH 44849	CONSOLIDATED TREATMENT SYSTEMS LEACHFIELDS LOW PRESSURE PIPE (LPP) SAND MOUNDS PRE-2007 ATU
28 ANSTEAD CONSTRUCTION 1-419-639-3162 DUSTIN ANSTEAD 1856 CR 207 FREMONT, OH 43420	
29 BOJHUN ENVIRONMENTAL SERVICES 1-419-436-7066 NICHOLE JONES 222 S MAIN ST FOSTORIA, OH 44830	WATER SAMPLING
25 DISTEL'S SEPTIC TANK SERVICES 1-419-448-0250 AARON DISTEL 30 ELLA STREET TIFFIN, OH 44883	LEACHFIELDS PRE-2007 ATU SAND MOUNDS
1 HOOVER'S PROPERTY SERVICES LLC 1-419-619-2621 ANDREW R HOOVER 5795 N TR 69 TIFFIN, OH 44883	LEACHFIELDS SAND MOUNDS PRE-2007 ATU



# Service Providers - Household Sewage Treatment Systems

Seneca County General Health District

71 S. WASHINGTON ST

TIFFIN, OH 44883

Phone: 1-419-447-3691 Fax: 1-419-448-5782

ID # / BUSINESS NAME / PHONE / CONTACT / ADDRESS	SYSTEMS SERVICED
20 MEADOW BROOK SEPTIC CARE LTD 1-419-668-5736 RONALD H ROBINSON 1261 NEW STATE ROAD NORWALK, OH 44857	LEACHFIELDS LOW PRESSURE PIPE (LPP) SAND MOUNDS JET 1500 SERIES NORWECO SINGULAIR WASTEWATER TREATMENT SYSTEM PURA-FLO PEAT SYSTEMS
5 NORWALK CONCRETE INDUSTRIES 1-800-733-3624 JOHN LENDRUM 80 COMMERCE DR. NORWALK, OH 44857	NORWECO SINGULAIR WASTEWATER TREATMENT SYSTEM LEACHFIELDS LOW PRESSURE PIPE (LPP) SAND MOUNDS PURA-FLO PEAT SYSTEMS JET 1500 SERIES
13 SAUBER AND SON DBA SAUBER'S RENTAL 1-567-207-8441  1647 S SR 53 TIFFIN, OH 44883	PRE-2007 ATU LEACHFIELDS
6 SEISLOVE BURIAL VAULTS & SEPTIC -419-447-5473 RON SEISLOVE 2168 SR 100 TIFFIN, OH 44883	JET 1500 SERIES LEACHFIELDS SAND MOUNDS PRE-2007 ATU
7 STIGER PRECAST, INC. 1-740-482-2313 MIKE STIGER 17793 S.H. 231 NEVADA, OH 44849	JET 1500 SERIES OLDHAM AERATION SYSTEMS
12 THEIS SEPTIC 1-419-447-9149 CHARLES E THEIS 2729 E US 224 TIFFIN, OH 44883	NORWECO SINGULAIR WASTEWATER TREATMENT SYSTEM LEACHFIELDS LOW PRESSURE PIPE (LPP) SAND MOUNDS

12 TOTALS: