



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING



LIESL EICHLER CLARK
DIRECTOR

June 11, 2021

VIA E-MAIL

Mr. Thomas Schunk
County Wide Septic, LLC
791 West Hatton Road
Farwell, Michigan 48622-9634

Dear Mr. Schunk:

SUBJECT: Septage Waste Receiving Facility Operating Plan Approval
County Wide Septic, LLC

The Department of Environment, Great Lakes, and Energy (EGLE), Drinking Water and Environmental Health Division (DWEHD), Septage Program, has completed review of the plans and specifications submitted through June 3, 2021, for the County Wide Septic, LLC Septage Waste Receiving Facility, located at 20 Consumers Energy Parkway, in Clare, Michigan. The operating plan is approved and meets the requirements outlined in Section 11715b of Part 117, Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

The receiving facility must operate in accordance with the approved plan. If a change in operations or conditions is anticipated, please file an amendment to the plan at least thirty (30) days prior to the proposed date for implementation.

Thank you for your continued environmental stewardship and service to those with onsite wastewater systems in and around your community. If you have any questions regarding this matter, please contact Mr. Greg Merricle, Septage Program Coordinator, DWEHD, at 517-256-6953; MerricleG@Michigan.gov, or EGLE, P.O. Box 30817, Lansing, Michigan 48909-8311; or you may contact me.

Sincerely,

Mr. Jeremy W. Hoeh, P.E., Supervisor
Environmental Health Programs Unit
Drinking Water and Environmental Health Division
HoehJ@Michigan.gov
517-898-3711

cc: Ms. Therese Schroeck, Crystal Environmental
Mr. Jason Travis, Central Michigan District Health Department
Mr. Charles Bauer, EGLE
Mr. Greg Merricle, EGLE



PHILLIPS ENGINEERING

May 21, 2021

Mr. Greg Merricle
Septage Program Coordinator
Drinking Water and Environmental Health Division
Michigan Department of Environment, Great Lakes, and Energy
Constitution Hall, 4th Floor South Tower
525 West Allegan Street
P.O. Box 30817
Lansing, Michigan 48909-8311

Subject: – Septage Waste Receiving Facility for County Wide Septic, LLC at 20 Consumers Energy Parkway,
Clare, Michigan

Dear Mr. Greg Merricle;

The completion to date follows the layout plans drawing by PE/Phillips Engineering, and plans from Crystal Environmental, LLC. This affidavit attests that the construction follows the Septage Program submitted.

If you have any questions, please do not hesitate to call.

Sincerely,

Wallace E. Humphrey-Phillips, P.E.



cc: Mr. Tom Schuck, County Wide Septic, LLC (CWSeptic@Hughes.net)
Ms. Therese Schroeck, Crystal Environmental, LLC (Therese@CrystalEnv.com)
Mr. Steve King, EH Director, Central Michigan District Health Department (SKing@CMDHD.org)



Crystal Environmental

June 1, 2021

SEPTAGE RECEIVING FACILITY OPERATING PLAN

FACILITY LOCATION: County Wide Septic, LLC
(Mailing Address after Opening) 20 Consumers Energy Parkway
Clare, Michigan 48617

MAILING ADDRESS: County Wide Septic, LLC
(Mailing Address before Opening) 20 Consumers Energy Parkway
Clare, Michigan 48617

COUNTY: Clare

FACILITY CONTACT: Thomas Schunk
(O) 989-588-4140
(C) 989-429-6191

HOURS OF OPERATION: 8:00 am to 5:00 p.m.
(or by appointment)

CATEGORIES OF
SEPTAGE WASTE ACCEPTED: Residential septic, portable toilet,
domestic holding tank, food
establishment septage.

FEE STRUCTURE: Residential Septic	10¢ / Gallon
Portable Toilet	10¢ / Gallon
Domestic Holding Tanks	10¢ / Gallon
Food Establishment	20¢ / Gallon

SERVICE AREA: 25 Radial miles from the location
Septage will also be received from anywhere
the septage is generated provided there is
capacity to process the septage based upon
agreements with selected septage hauling
companies.

NOTICE OF PROPOSED OPERATIONS PLAN:
In Process

RECEIVING FACILITY

CAPACITY: 25,000 Gallons/Day for receiving/hydraulic capacity.

Organic Capacity – The Process is expected to produce a liquid waste that complies with the expected discharge limitations of the City of Clare Industrial Pre-treatment Plant Permit. The solids will be disposed of at a licensed landfill. These permits are being submitted concurrently with this application.

Wet weather conditions and spill containment are easily accounted for since our influent is a function liquid waste acceptance. Spills are easily managed through the floor drains and pumper trucks as required.

IN SUMMARY:

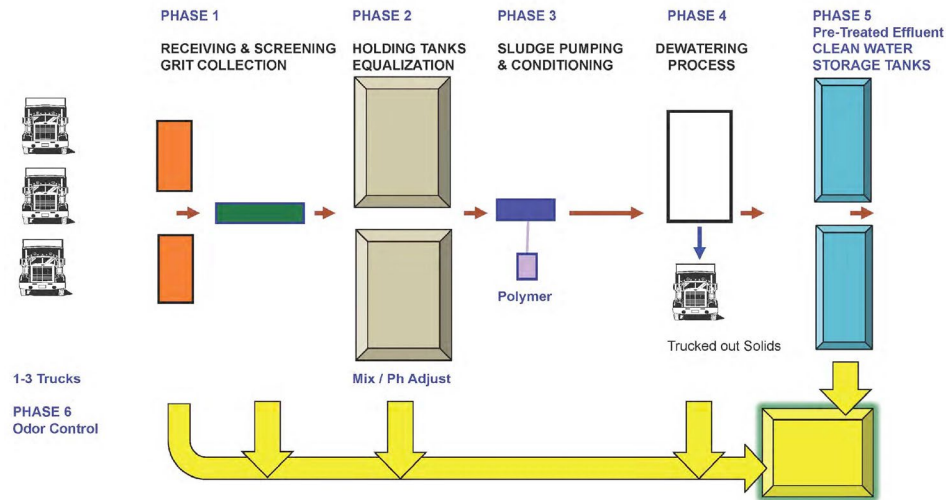
The purpose of these documents is to provide a general understanding of the daily operations of our proposed Liquid Transportable Waste Receiving Facility. It is the guideline for the design plan and operations of our proposed facility, taking into account, the success of similar facilities across the United States. With respect to industrial pretreatment permit, our facility will meet and often exceed the expectations of domestic strength wastes.

SYSTEM DESCRIPTION:

Nationally, the environmental rules are becoming more and more stringent for land application of septic and discharge of trucked liquid waste to the Public Owned Treatment Work (POTW). Some of the

local receiving facilities in our area are being stressed with their NPDES permits. Also, everything we put on the land affects everyone's drinking water! Servicing septic tanks on a more regular basis solves these problems. These processes produce the cleanest liquid discharges. Here is the flow plan that all liquid waste processors follow:

Crystal Environmental Flow Plan -- Advanced Systems 2013



A liquid waste processing facility is built with optimum solids liquid separation in mind. Primarily, the transported waste will be pumped from the truck into a grit collection container. Each and every truck is inspected, and a sample is secured. Phase 1 removes over 98% of the grit, gravel and stones. Ideally, the gravity overflow from this container cascades into the screening device to gently remove all other materials larger than 3/8".

Our facility incorporates a two-tank process allowing us to alternate from Tank A to Tank B. The process liquid is pumped into the first equalizing tank, Tank A. Once Tank A is filled, it is pH adjusted to optimize dewatering. Meanwhile, the second tank, Tank B, can be filled from an incoming truck, without disturbing the chemistry of Tank A. Once Tank A is full and pH adjusted, it is pumped with on demand

solution of polymer to the dewatering process. The solids are secured in the dewatering process and the clean water is ready for discharge to the sewer plant.

99.9% of all solids are removed from the liquid creating some of the cleanest separated water.



Influent and Effluent Water Quality

OPERATING LIMITATIONS:

Discharge Details & Capacity:

- The facility will be approved to discharge up to 25,000 gpd
- A flow meter will be provided to verify the discharge.
- An accessible flow interceptor will be installed so that the POTW may inspect as they see fit.

Spill Containment:

The facility will provide spill containment of septage and chemicals to prevent any spilled agent from entering the ground water supply. In the event of a leak, the facility will be well equipped with septage trucks to immediately clean up the leakage. The floor drains are able to be plugged off / dyke in the event of a spill. Also there is an employee training on how and when to use the spill containment system.

REPORTING:

The facility's operators will keep record of all liquid waste material coming into the facility and will hold a grab sample for a minimum of two weeks to assure compliance. Testing will be regularly tested as per instructions of the industrial standards of the Public Owned Treatment Plant.

FACILITY BENEFIT STATEMENT:

Our company has become the leader in our region. Delivering liquid waste loads of any type to a Public Owned Treatment (POTW) have always been a great concern. Pre-treating the liquid waste and sending a domestic strength liquid discharge to the POTW allows for 10-20 times the amount of liquid waste that a POTW can accept. Furthermore, the discharges from these type facilities are enriched with water-soluble nutrients that can easily be treated. In most cases, the POTW will not even see a processing effect from such a clarified discharge.

Our initial goal is to process the liquid waste that we pump. By minimizing the travel time to the POTW, we anticipate increasing our pumping business over the next five years. In addition, we are finding that more frequent pump outs of our most responsible customers, has a positive impact on the ground water supplies. Our new marketing strategy is to inform household users that the health of each septic system is enhanced by frequently removing the accumulated waste in their septic tanks. Furthermore, the TSS, BOD / CBOD, and NH₃ discharges of each septic tank have a positive impact on our precious water sheds. Foresight in accomplishing this will sustain greater water quality for all, in the years to come.

February 23, 2021

Notice for Newspaper – Clare County Review

PROPOSED OPERATING PLAN FOR REVIEW AND COMMENT
COUNTY WIDE SEPTIC, LLC – SEPTAGE RECEIVING FACILITY

The Proposed Operating Plan for County Wide Septic, LLC. – Septage Treatment Facility to be located at 20 Consumers Energy Parkway, Clare, MI 48617 is available for review and comment at County Wide Septic, LLC 791 West Hatton Road, Farwell, MI 48622, during normal business hours. The office can be contacted at 989-588-4140. The purpose of this facility is to receive septage waste for treatment. Please submit any written comments regarding the proposed operation of this receiving facility by March 29, 2021 to the address listed above.

COUNTY WIDE SEPTIC, LLC

7623

Clare County Review

2-23-21

\$ 60 - For Public Notice

200 VISITOR GUIDE.

RECEIPT		No.
DATE	2-23-21	
FROM	County Wide Septic	\$ 260.00
	200 Visitor Guide	
	60 Public Notice	
	Advertising	
<input type="radio"/> FOR		
Amount of Account		<input type="radio"/> CASH
Amount of Paid		<input type="radio"/> CHECK
Balance Due		<input type="radio"/> MONEY ORDER
		<input type="radio"/> CREDIT CARD
		FROM <u>Kathel Cannon</u> TO
		BY

**PROPOSED OPERATING PLAN
FOR REVIEW AND COMMENT
COUNTY WIDE SEPTIC, LLC
SEPTAGE RECEIVING FACILITY**

The Proposed Operating Plan for County Wide Septic, LLC - Septage Treatment Facility to be located at 20 Consumers Energy Parkway, Clare, MI 48617 is available for review and comment at County Wide Septic, LLC 791 West Hatton Road, Farwell, MI 48622, during normal business hours. The office can be contacted at 989-588-4140. The Purpose of this facility is to receive septage waste for treatment. Please submit any written comments regarding the proposed operation of this receiving facility by March 29, 2021 to the address listed above.



Crystal Environmental

April 21, 2021

Greg Merricle
Septage Program Coordinator
Michigan Department of Environment
Constitution Hall, 4th Floor South Tower
525 West Allegan Street
Lansing, Michigan 48909-8311

Dear Greg,

We have reviewed your concerns about the Pre-Treatment Facility that is being constructed in Clare, Michigan.

The blueprints signed by our engineer were provided to you with the operating plan. If you need another copy, please advise.

With respect to the 25 radial mile, we are not certain of this at the present time. You suggested:

1. Are you claiming a mandatory 25 Mile Radius? Your options are:
 - a. Claim a mandatory radius, and provide calculations that indicate that you have capacity to collect all septage generated therein.
 - b. Accept septage from within 25 mile radius, without mandate.
 - c. Accept septage from anywhere, regardless of a radius.
 - d. Accept septage on a contract basis.

The facility design is geared for 1 to 5 million gallons per year. This reflects 4,000 to 20,000 gallons per day. In the event, that we begin to exceed these values, we can simply increase these flows by adding another dewatering device or increased tankage. Our operating plan also provides for grease trap processing co-mingled with the septage.

Our thoughts:

- a. Mandatory Radius is not required.
- b. We will accept septage within a 25 mile radius, without mandate.
- c. We will accept septage from anywhere regardless of the radius.
- d. Each hauler will be contracted with CW Septic.

The Biofilter for the facility follows the EPA Design Manual in Chapter 12 for a septage receiving facility. We followed these parameters. Each point of odor emissions will be connected to the biofilter with a fan blower. A copy of Chapter 12 (Odor Control) of the EPA design manual is attached for your reference is attached.

Spill Containment:

All of the floors of the site are sloped to the floor drains. Small spills can be rinsed easily to the drains and sent back to the processing tanks of the plant. In the event of a large spill, CW Septic has 8 trucks to respond. This would have to be a catastrophic collapse of a tank. This is not likely.

The Agreement from the City of Clare is complete to accept discharge with their industrial pretreatment ordinance. Their acceptance letter is attached.

In addition, we have secured a permit to dispose of the solids at a landfill. The Generator Waste Profile has been accepted and they will be transporting it for us.

We should be ready to operate this facility in May or June. We'd like to invite you to come to tour the site, at your convenience. Photos are also forthcoming.

Best Regards,

Therese Schroeck
Representing Agent for CW Septic



CITY OF CLARE

202 West Fifth Street | Clare, Michigan 48617-1490

Office 989.386.7541 | Fax 989.386.4508

www.cityofclare.org

CITY HALL

Ph 989.386.7541

Fx 989.386.4508

www.cityofclare.org

Manager x102

Assessor x103

Clerk x106

Treasurer x107

DEPARTMENT OF PUBLIC WORKS

Ph 989.386.2182 or

989.386.7541 x202

Fx 989.386.4508

UTILITY BILLING

Ph 989.386.7541 x201

W/WWT PLANT

Ph 989.386.2321

Fx 989.386.2387

POLICE DEPT. NON-EMERGENCY

Ph 989.386.2121

Fx 989.386.0440

FIRE DEPT. NON-EMERGENCY

Ph 989.386.2151

Fx 989.386.3020

PARKS & RECREATION

Ph 989.386.7541 x213

Fx 989.386.4508

AIRPORT

Ph 989.386.0445

Fx 989.386.4508

INDUSTRIAL USER

Authorization Discharge Approval

Mr. Tom Schunk
County Wide Septic
20 Consumers Parkway
Clare, MI 48617

4/8/2021

RE: Authorization to Discharge

Dear Mr. Schunk,

You are authorized to discharge to the City of Clare's sanitary sewer. Once your building is complete and your facility is operating you will be subject to the City of Clare's Code of Ordinances' Chapter 46. In addition to the code of ordinances, other stipulations in your discharge permit will include:

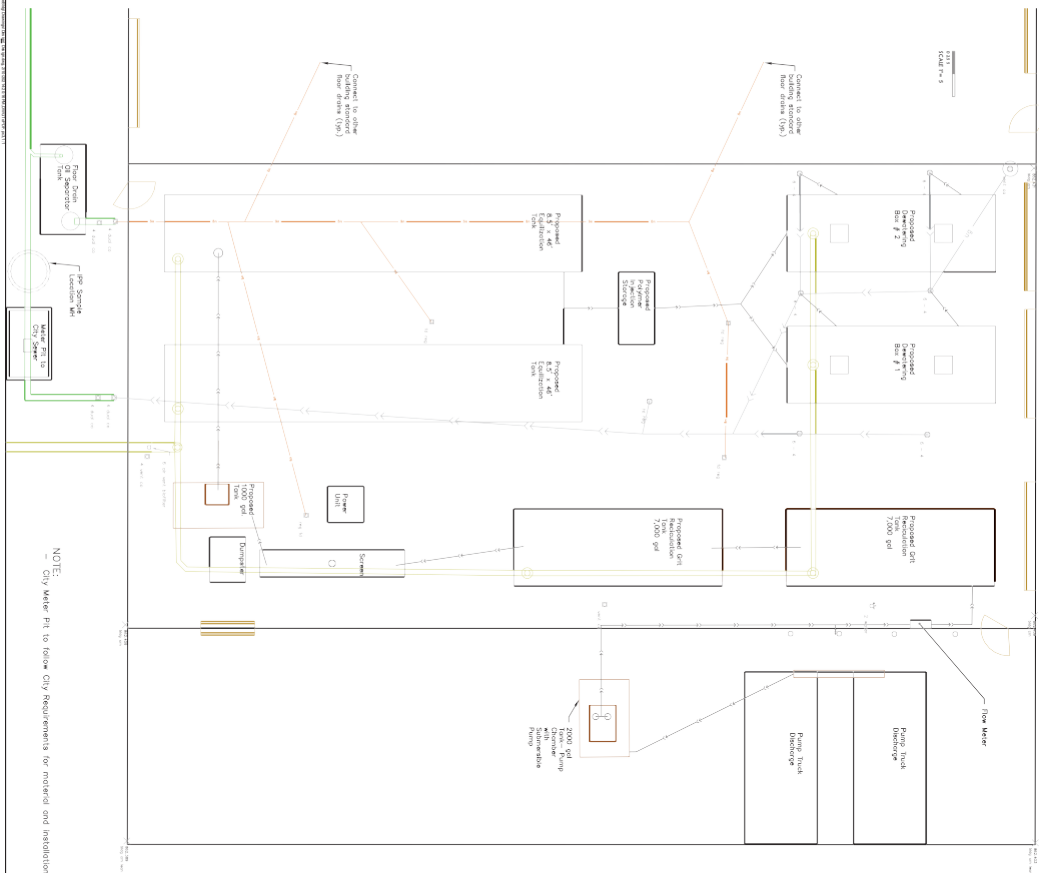
- Monthly sampling
- Quarterly reports
- No dumping, the discharge will be spread out over an 8-hour shift
- Flow dependent composite sampling

These stipulations are subject to change and are not all-inclusive. If you have any questions feel free to contact me at any time.

Dale Clark

Dale Clark, Director of Water Treatment





<div style="border: 1px solid black; padding: 2px;"> SHEET NO. OF </div>	<div style="border: 1px solid black; padding: 2px;"> PROJECT NO. PE-20-012 SCALE 1"=3' </div>	<div style="border: 1px solid black; padding: 10px;"> <h2 style="margin: 0;">County Wide Septic, LLC</h2> <p style="margin: 0;">20 Consumers Energy Parkway, Clare, MI 48617</p> <p style="margin: 0;">Building Layout</p> <p style="margin: 0;">Septage Treatment Detail</p> </div>	<div style="border: 1px solid black; padding: 10px;"> PHILLIPS ENGINEERING Civil Engineering Consultants 2455 Learman Road Bad Axe, Michigan 48413 </div>	<div style="border: 1px solid black; padding: 2px;"> DATE: 05/05/20 DRAWN BY: WJH CHECKED BY: WJH DESIGNED BY: WJH IN CHARGE BY: WJH PROJECT NO: PE-20-012 PLOT NO: 001 </div>
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