



STATE OF MICHIGAN  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
LANSING



JENNIFER M. GRANHOLM  
GOVERNOR

STEVEN E. CHESTER  
DIRECTOR

March 28, 2008

Mr. Robert Barber, President  
Clean Rivers, LLC  
1820 Sunset Avenue  
Lansing, Michigan 48917

Dear Mr. Barber:

SUBJECT: Septage Receiving Facility Operating Plan Approval for Clean Rivers, LLC

Review of the Clean Rivers, LLC, septage waste receiving facility (SWRF) operating plan is complete. The operating plan is approved and the SWRF may be used to accept and treat domestic septage.

The septage waste 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 to this office at least 30 days prior to the proposed date for implementation.

We will be posting the Clean Rivers, LLC SWRF operating plan on the Septage Waste Program website address at [www.michigan.gov/deqseptage](http://www.michigan.gov/deqseptage). If you have any questions regarding this matter, please contact me.

Sincerely,

Matthew Campbell  
Septage Program Coordinator  
On-Site Wastewater Unit  
Drinking Water and Environmental Health Section  
Water Bureau  
517-335-4178

mcc:ckp

cc: Mr. Paul E. Stokes, Interim Superintendent, Wastewater Division, Lansing WWTP  
Mr. Eric Pessell, Barry-Eaton District Health Department, Eaton County  
Mr. Jim Wilson, Ingham County Health Department  
Mr. Bruce Du Hamel, Mid-Michigan District Health Department, Montcalm County  
Mr. Tim Benton, DEQ



## Stephens Consulting Services, P.C.

ENGINEERING - PLANNING

1549 Haslett Road, P.O. Box 708, Haslett, Michigan 48840

Phone (517) 339-8692 Fax (517) 339-6330

February 25, 2008

### Septage Receiving Facility Operating Plan

Name: Clean Rivers, L.L.C. Septage Receiving Facility

Facility Location  
and Mailing Address: 1820 Sunset Ave., Lansing, MI 48917. See attached location map.

Facility Contact: Robert Barber

Telephone Number: (517) 410-6045

Hours of Operation: M – F, 8:00 am – 6:00 pm standard hours of operation.

Available 24/7, after hours, weekends and limited holidays but the hauler needs to call and schedule in advance.

Categories of  
Septage Accepted: Domestic septage and food establishment septage (FES).

Fee structure: Domestic septage – 5 cents per gallon  
Food establishment septage (FES) – 10 cents per gallon

Service Area: From within the 15 mile service area as shown on the attached map.  
Septage will also be received from anywhere the septage is generated, provided there is capacity to process the septage and based upon agreements with selected septage hauling companies.

General Receiving  
Procedures: The septage hauler must provide the following: a copy of their septage hauler's license, a copy of their insurance, the volume to be discharged, the origin of the septage, a sample from the truck. A signed statement will be required stating the load only contains domestic septage or FES.

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Receiving Facility

Capacity:

Hydraulic Capacity – 25,000 gallons per day (gpd). During the period the dewatering system container is being filled, the transfer equipment and tankage will allow processing of up to 25,000 gpd (maximum capacity) of septage with a solid content of 1.5% or less. When the dewatering system container is about ½ full, it must be taken off line and allowed to dewater for 18 to 24 hours. During this period all incoming septage will be stored in the receiving tank and storage tanks, initially with a capacity 17,000 gallons total. There is the ability in the future to add an additional 8,000 gallon storage tank which would increase the minimum hydraulic capacity to 25,000 gpd. If a second dewatering system container is also added the hydraulic capacity will increase to 50,000 gpd. The second container will be filled while the first container is dewatering.

Organic Capacity – The process is expected to produce a liquid waste that complies with the expected discharge limitations from the City of Lansing wastewater treatment plant and the solids will be disposed of in a licensed landfill.

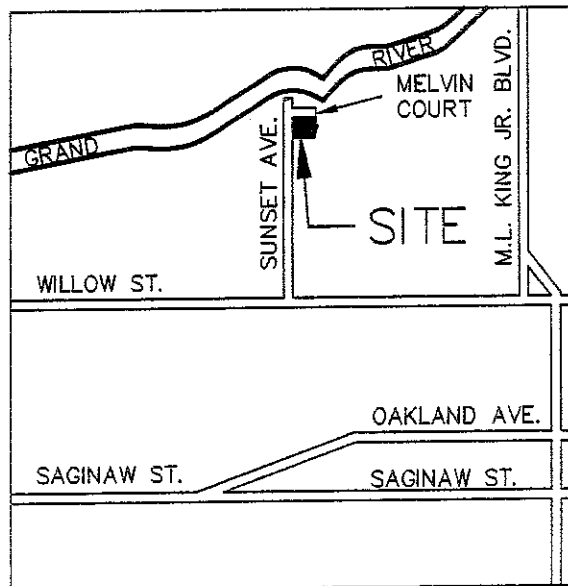
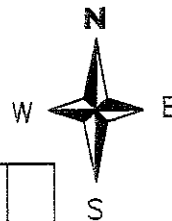
Process Description:

The haulers will discharge their septage into a stainless steel receiving hopper, located outside of and adjacent to the building, that has a bar screen to remove larger solids. The hopper will discharge directly into a 6000 gallon underground receiving tank. The septage will be transferred into multiple storage tanks inside the building using a portable diesel powered pump. Initially there will be two storage tanks a 4,000 gallon and a 7,000 gallon with the ability in the future to add another 8,000 gallon storage tank. A skid mounted diesel powered progressive cavity polymer dosing unit will add metered polymer into and transfer the septage into the dewatering system container. The polymer will cause the solids to flocculate and separate from the liquid. The liquid portion will pass through single stainless steel filter screens located along the sides and center wall of the container. The filtrate will be discharged into the building sanitary sewer and flow to the City of Lansing's wastewater treatment plant. A permit to discharge is required from the City of Lansing prior to placing the facility into operation, which has been discussed and there appears to be no obstacles in obtaining the permit. Once the dewatering system container is about ½ full, the mixing and transfer of the septage and polymer will be stopped. The septage will be stored while the dewatering container rests for 18 to 24 hours. The dewatering container will be carried to a licensed landfill, the solids dumped from it and returned to the receiving facility and the process resumed. During preliminary discussions with the Granger landfill, located about 7 miles from the facility, it appears there are no issues with receiving the solids at the landfill. An agreement with Granger, or any other licensed landfill, will be in place prior to placing the facility into operation.

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# LOCATION MAP

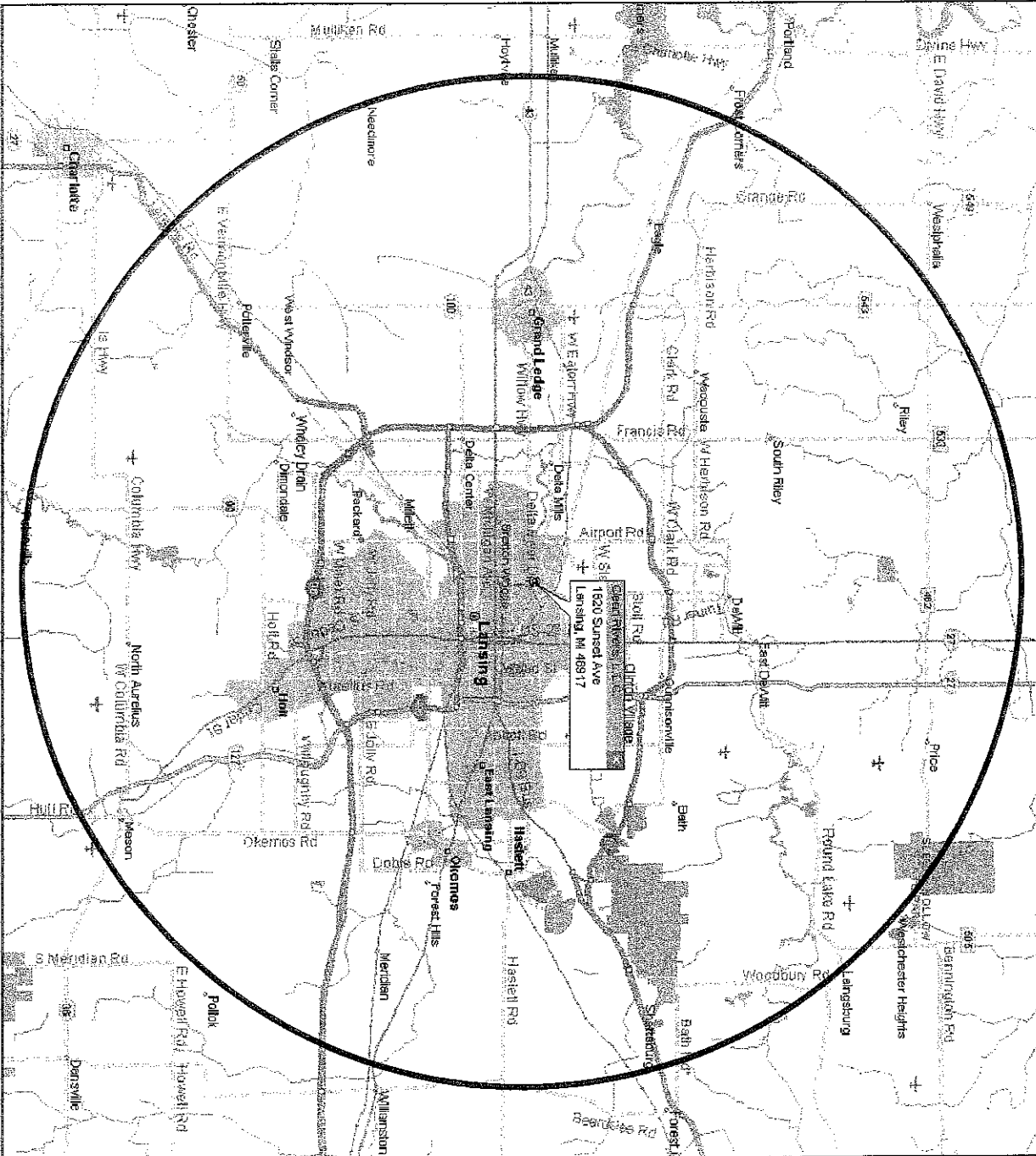
NO SCALE

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**DWEHS**

CLEAN RIVERS, L.L.C.  
SEPTAGE RECEIVING FACILITY  
1820 SUNSET AVE.  
LANSING, MI 48917  
(517) 410-6045



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15 MILE SERVICE AREA



Virg Bernero, Mayor

**PUBLIC SERVICE DEPARTMENT**

**Wastewater Division**

1625 Sunset  
Lansing, Michigan 48917  
(517) 483-4404  
FAX: (517) 483-4536

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MAR 18 2008

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March 17, 2008

Clean Rivers, LLC  
Robert Barber, President  
1820 Sunset Avenue  
Lansing, MI 48917

HAND DELIVERED

RE: Issuance of an Industrial User Permit to Clean Rivers, LLC by the City of Lansing, Public Service Department, Wastewater Division.  
PERMIT No. N-CR-SE-063008

Dear Mr. Barber:

Your application for an Industrial User permit has been reviewed and processed in accordance with City of Lansing Code of Ordinances, Chapter 1046.12.

The enclosed permit, number N-CR-SE-063008, covers the wastewater discharged from your facility located at 1820 Sunset Avenue into the City of Lansing sanitary sewer system. All discharges from this facility and actions and reports relating thereto shall be in accordance with the terms and conditions of this permit.

If you wish to appeal or challenge any conditions imposed in this permit, a petition shall be filed for modification or re-issuance of this permit in accordance with the requirements of City of Lansing Ordinance Chapter 1046.12, within 30 days of your receipt of this correspondence. Pursuant to Ordinance Chapter 1046.12, failure to petition for reconsideration of the permit within the allotted time is deemed a waiver by the permittee of the right to challenge the terms of this permit.

**Note:** *The City of Lansing Wastewater Division recently completed a re-evaluation study of it's local limits values. This study was a requirement of the City's NPDES (National Pollutant Discharge Elimination System) Permit which is administered by the MDEQ (Michigan Department of Environmental Quality). The study identified the level of pollutants that can be safely discharged into the City's sanitary sewer system without having adverse effects on worker health and safety, the sewer collection system, pumping stations, wastewater treatment plant processes, and/or the receiving stream (Grand River). The results of the study are currently*



*under review by the MDEQ and are expected to be approved soon. After MDEQ approval, the updated pollutant limitations will be presented to the Lansing City Council for formal adoption into the City's codified ordinances. There are some anticipated changes to the existing pollutant limitations currently published in City Ordinance Chapter 1046.*

I encourage you to contact either John Lemke at 517-483-4404 or myself at 517-483-4532 to receive a copy of the proposed limitations (in draft form), as it may affect the compliance of your discharge in the future.

Sincerely,



Paul E. Stokes  
Interim Superintendent, Wastewater Division

cc: Chad A. Gamble, P.E. / Director Public Service  
John Lemke / Industrial Surveillance Field Technician

**CITY OF LANSING  
NON-DOMESTIC SEWER DISCHARGE PERMIT  
NON-SIGNIFICANT INDUSTRIAL USER**

In accordance with certain provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq; the "Act"), the Michigan Water Resources Act (Act 245, Public Acts of 1929, as amended; the "Michigan Act"), and the Industrial Waste and Pretreatment Ordinance of the City of Lansing (Chapter 1046 of the City Code, as amended; the "Ordinance"),

**Clean Rivers, LLC**

is authorized to discharge wastewater from the facility located at:

**1820 Sunset Avenue    Lansing, MI 48917**

subject to the effluent limitations/monitoring requirements specified in Part I Section A.1, through the outfalls and into the sanitary sewer identified in Part I Section A.2, and in accordance with other conditions set forth in Parts I and II hereof. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment laws, regulations, standards or requirements under City, State, and Federal laws, including any such laws, regulations, standards, requirements, or laws that may become effective during the term of this permit and which shall apply to the permittee subsequent to modification of this permit and a reasonable period to achieve compliance.

Failure to meet the provisions of this permit, the Ordinance, or any order of the City, may constitute noncompliance and subject the permittee to appropriate enforcement action, including legal action and termination of service.

This permit, No. N-CR-SE-063008, is based on the permittee's application received February 22, 2008. This permit is effective March 17, 2008 and shall expire on June 30, 2008.

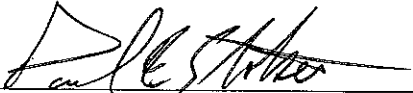
If the permittee wishes to continue to discharge after the expiration date of this permit, a renewal application must be filed with the City a minimum of thirty (30) days prior to the expiration date. Approval or denial of this application will be per Ordinance provisions. The City may establish appropriate fees for reimbursement of costs to administer this permit and the associated Industrial Pretreatment Program.

SIGNED this 17<sup>th</sup> DAY of March 2008 by the CITY OF LANSING.

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Paul E. Stokes  
Interim Superintendent, Wastewater Division



**Public Notice**  
Clean Rivers LLC  
1820 Sunset Avenue  
Lansing, MI 48917

A proposed facility for improving the environment by receiving and treating wastewater. Facility opening will be on or near December 3rd, 2007 and will receive residential and food establishment septage only. Planned hours of operation are M-F 7:00am to 6:00pm. With the exception of holidays, the facility will be open all year and in all weather. The hydraulic capacity is 17,000 gallons of septage per day with 3% solids or less. Future capacity increases are likely. The primary service area planned will be a radius of 15 miles surrounding the facility, but septage from outside this area will also be accepted. The facility operating plan will be on display at the facility address: 1820 Sunset Avenue, Lansing, MI 48917 for any interested parties. We request all comments be sent in writing to Clean Rivers LLC at this address before November 28th, 2007.

LE-521243

10/30/07

AFFIDAVIT OF PUBLICATION  
COMMUNITY NEWSPAPERS, INC.  
120 E. Lenawee.  
Lansing, MI 48919  
State of Michigan, County of Ingham

IN THE MATTER OF: NOTICE  
  
ROBERT BARBER

ANN LYON

Being duly sworn, says that he/she is authorized by the publisher of Lansing State Journal., to swear that a certain notice, a copy of which is annexed here to, was published in the following publication:

1. Published in the English language for the dissemination of general and/or legal news, and
2. Has a bonfide list of paying customers or has been published at least once a week in the same community without interruption for at least 2 years, and
3. Has been established, published and circulated at least once a week without interruption for at least one (1) year in the community where the publication is to occur.

LANSING STATE JOURNAL

10/30/07

  
Ann Lyon

SUBSCRIBED AND SWORN TO BEFORE ME THIS 30TH

DAY OF OCTOBER, 2007

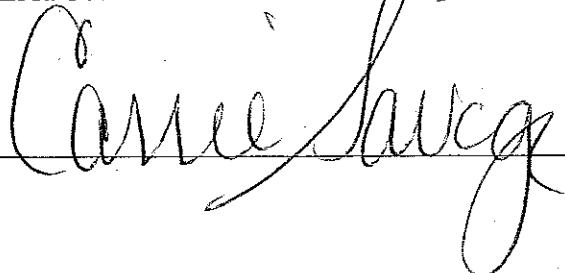
CARRIE A. SAVAGE  
NOTARY PUBLIC, STATE OF MICHIGAN, COUNTY OF EATON  
MY COMMISSION EXPIRES: SEPTEMBER 4, 2014  
ACTING IN THE COUNTY OF EATON

LSJ- 521243

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JAN 31 2008

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Septage Waste Receiving Facility Checklist

Name of Septage Receiving Facility:  
Clean Rivers, LLC SWRF

DEQ Reviewer: Matt Campbell  
Third Review Date: 3/18/08

Address of Septage Receiving Facility:  
1820 Sunset Avenue  
Lansing, MI 48917

Facility Contact: Robert Barber  
Telephone Number: 517-410-6045

The following information must be submitted in the Operation Plan in order to receive DEQ approval:

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
1. Location of septage RF.	X		
2. Hours of operation.	X		
3. Categories of septage waste the RF will receive.	X		Domestic and Food Establishment Septage.
4. Does the SWRF accept food establishment septage (grease trap waste)? If yes, have they calculated the nutrient loading of this waste and its impact on that allotted to treating septage waste?	X		This is a pretreatment facility under contract with the City of Lansing WWTP.
5. *Fee structure charged to hauler.	X		5¢ per gal. domestic septage. 10¢ per gallon FES.
6. *Service area (septage acceptance) description of RF defined in detail.	X		15 radial miles. Will accept septage generated from outside the service area.

# Septage Waste Receiving Facility Checklist

Name of Septage Receiving Facility: **Clean Rivers, LLC SWRF**

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
7. Notice of proposed operation plan:			
a) Was it mailed to county HD and legislative body of each city, village and township located in whole or in part of the service area?	X		
b) Was it public noticed in the local newspaper?	X		Lansing State Journal on 10/30/07.
c) Was it posted on the facility website?		X	This facility does not have a website.
8. Did the notice contain the following?			
a. Statement that the RF proposed to or is currently receiving and will continue to receive septage waste for treatment.	X		
b. Statement in the notice that the proposed operating plan is available for review during normal work hours.	X		
c. A request for written comments on the proposed operation of the RF and the deadline for receipt of such comments, which shall not be less than 30 days after publication, posting, or mailing of the notice.	X		
d. Receiving facility capacity.			
I) Hydraulic capacity:	X		25,000 gpd.
II) Organic capacity:			Not applicable. Complies with City of Lansing POTW requirements.

# Septage Waste Receiving Facility Checklist

Name of Septage Receiving Facility: **Clean Rivers, LLC SWRF**

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
*III) Wet weather operation considerations (CSO & SSO)		X	Not applicable.
9. Other conditions established for the RF.	X		See operating plan for details.