Iowa
Fields of Opportunities

STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
ROGER L. LANDE, DIRECTOR

MEMO

DATE: 8/3/11

TO: File - Corridor Ridge Subdivision, Johnson County

FROM: Jim Sievers, Field Office 6

RE: Complaint Investigation - Complaint No. 7/11-11

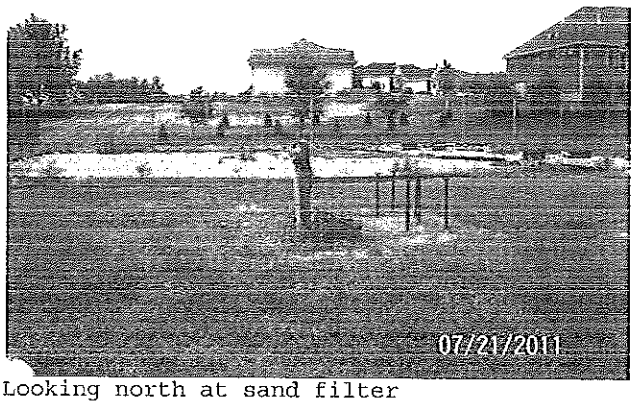
FACILITY NO. 6-5280301

On July 21, 2011, I investigated an anonymous complaint stating there were weeds growing on the sand filter and there were sewage odors.

I observed the filter and there were a few weeds growing on the sand filter. It appeared as though the weeds had been recently sprayed with an herbicide. I walked around the perimeter of the filter and did not notice any odors.



Weeds growing on sand filter-looking east



Looking north at sand filter

After investigating the complaint, I contacted the owner, Gordon Sevig. He said he had recently sprayed the weeds. He also said he uses a septic tank additive once per month. He followed up with an e-mail that included a brochure on the additives and a letter regarding maintenance activities (attached). I requested that he collect samples of the effluent and send me the results. He indicated in his letter that he would do that.

This facility currently does not have an NPDES permit. The issuance of the permit has been delayed because the field work for a stream use designation has not been completed. The permit writer, Brandy Beavers, e-mailed me and stated that she had requested the stream be evaluated this summer. It is not known when the permit will be issued.

JTS:J:\FO6\SHARED\JSIEVER1\WW2011\CORRIDORRIDGE0711

xc: Records Section, DNR, Des Moines


Johnson County, Iowa
Property Information Viewer
Current Action: Pan
HUDSON ST
HWY 6 WAYSIDE NW
MORNINGSIDE LN
WESTWOOD DR
CLINTON ST
WATER ST
MAPLE LN
20TH ST NW
20TH ST NE
JAMES AVE NE
CURTIS BRIDGE RD NE
500 m
2000 ft

Sievers, Jim [DNR]

From: Sevig Co [meter@sevigco.com]
Sent: Monday, August 01, 2011 2:13 PM
To: Sievers, Jim [DNR]
Subject: Gordon Sevig Letter - Corridor Ridge
Attachments: Bio-Clean.pdf; J.Sievers.08.11.pdf

Hi Jim,

Attached you will find the letter in response to your request for information regarding Corridor Ridge. A brochure about Bio-Clean is also attached.

Please contact Gordon at 319-721-7221 if you have further questions.

Thank you.

<<...>> <<...>>

Sevig Utility Co.
P.O. Box 409
Walford, IA 52351

Phone: (319) 846-5550
Email: meter@sevigco.com

WHAT IS BIO-CLEAN®?

Bio-Clean® is a special combination of natural bacteria and enzymes that DIGESTS dead organic waste found in your plumbing system: grease, hair, soap scum, food particles, paper and cotton.

Bio-Clean® will not digest or have any effect on inorganic materials such as plastic pipe. It does not produce heat, fumes or boiling like chemicals do.

Bio-Clean® is safe for people, plumbing, and the environment.

HOW DOES BIO-CLEAN® WORK?

In nature all animal and vegetable matter is broken down and recycled into plant food by enzymes and bacteria. Bio-Clean® uses this same principal to biodegrade organic waste that accumulates in your plumbing system. Like all living things, bacteria must "eat" to survive. Fortunately the grease, hair, soap film and organic waste are food for the bacteria in Bio-Clean®. The enzymes prepare this "food" for the bacteria by breaking down the large molecules into a size the bacteria can "swallow."

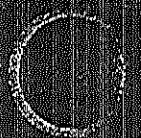
When mixed with water, Bio-Clean® immediately goes to work! The enzymes are very fast and start breaking down waste on contact. Bio-Clean® contains billions of bacteria and as they eat, they double in number every 30 minutes! Unrestricted by gravity, they spread through the entire plumbing system, devouring all the organic waste.



Waste accumulates in your pipes causing slow, or even clogged, drains.



Within days Bio-Clean® begins to eat through the gunk restoring drain flow to full capacity.



Monthly Bio-Clean® treatments will keep your drains clean and trouble-free.

COMPARE TO MECHANICAL EQUIPMENT!

Cables can only poke a hole through the mess which leaves a base for new waste to adhere to. If you don't put Bio-Clean® to work, you will keep fighting the problem instead of solving it.

COMPARE TO CHEMICALS!

Hot, dangerous drain openers become more diluted and weaker the farther down a pipe they go. They cannot defy gravity, but Bio-Clean® can! Bio-Clean® eats it's way up, down and across any pipe or system. And with periodic treatment, Bio-Clean® keeps it clean.

Bio-Clean® is Effective, Safe and Non-polluting!

GO GREEN!

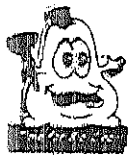
TAKE ADVANTAGE OF OUR UNIQUE SYSTEM:



Up to 100 treatments of the World's #1 drain cleaner!



Mixing cup makes Bio-Clean® easy to apply!



Electronic timer reminds you to apply monthly.

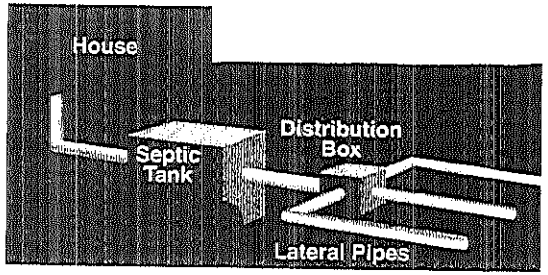
BIO-CLEAN® FOR SEPTIC SYSTEMS.

Most septic systems in operation today are not functioning well. Chemicals, bleaches, detergents, food preservatives, anti-bacterial soaps, and bowl cleaners inhibit or kill bacterial action within the system. This lets solids accumulate in the tank, some of which flow out and clog the drainfield. Replacing a failed septic system can cost a homeowner thousands of dollars!

Bio-Clean® can save you money and protect your investment! The bacteria and enzymes in this amazing product have been specially formulated to biodegrade the fats, oils, grease, and synthetic organics clogging your septic system. With regular maintenance treatment, Bio-Clean® will keep your septic system operating trouble free for years.

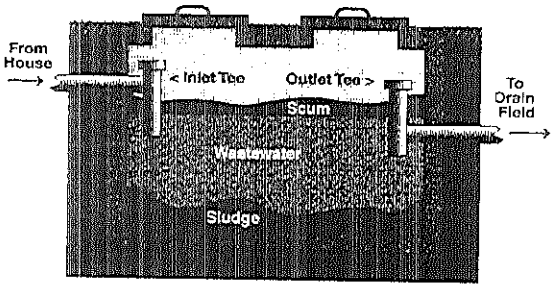
HOW YOUR SEPTIC SYSTEM WORKS.

There are a wide variety of system designs. Your system may not be exactly like these drawings. However, the basic principles of operation apply to all systems.



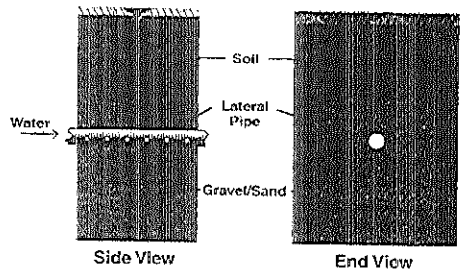
Septic tanks are designed to allow bacteria and enzymes to biodegrade organic waste. This amazing process actually converts waste into water, carbon dioxide and small amounts of mineral matter!

SEPTIC TANK



Incoming solid matter sinks. Soap and grease float. The tank has an outlet baffle to hold in undigested waste. Only clean water should leave the tank and enter the lateral pipes.

DRAINFIELD/LEACH BED



Water flows out of the laterals into a bed of gravel or sand which acts as a final filter before the water enters the ground.

WHAT YOU CAN DO TO PREVENT NEEDLESS EXPENDITURES AND SAVE THOUSANDS!

How will Bio-Clean® save me money?

Chemicals, bleaches, detergents, food preservatives and bowl cleaners inhibit or kill the bacterial action in your septic system. This lets solids accumulate in the tank, some of which flow out and clog the drain field. This is a major inconvenience and can cost thousands of dollars to repair. Monthly treatments of Bio-Clean® will restore the necessary bacterial action and make your system work at full efficiency!

Why use Bio-Clean® when there are already bacteria in my tank?

Although some bacteria are present in the waste these organisms do not work well on protein, fiber and grease. Furthermore, modern chemistry has provided us with advanced cleaning products made of complex molecules. Ordinary bacteria just can't break these chemicals down. Bio-Clean® is specially formulated to bio-degrade ALL types of bio-degradable waste. Bio-Clean® contains a larger quantity, a higher quality and a unique combination of ingredients not found in other septic tank products. In fact, Bio-Clean® can even restore failing septic fields in most cases.

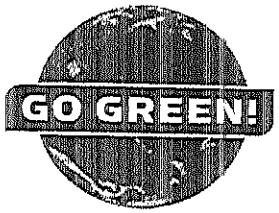
Using Bio-Clean® and following the 3 steps listed below will result in decades of trouble-free service from your system:

1. ***Have baffles checked every 2 or 3 years.***
   If the outlet baffle deteriorates, undigested waste escapes from the tank, plugging the pores in your drainfield.
2. ***Stop killing your tanks biological action.***
   Your system relies on bacteria to function properly. Discontinue use of (or use sparingly) anything labeled Anti-bacterial, Anti Septic, Disinfectant, Sanitizer, or Kills Germs. Switch to non-chlorine bleaches, cleaners and automatic dishwashing detergents.
3. ***Have your tank pumped regularly***
   Undigested mineral matter builds up on the bottom of your tank over the years. If the level gets too high it can flow out into your drain field. Pumping every 3 to 5 years avoids any problems. (Check with your state about regulations regarding the frequency of pumping.)

GO GREEN WITH BIO-CLEAN®!

One product does it all!

- *Eliminates costly backups*
- *Reduces build up in tank and pipes*
- *Eliminates foul drain odors*
- *Restores clogged drainfields*
- *Eliminates garbage disposal odors*
- *No harmful chemicals*
- *Easy to use*
- *Minimizes health and safety risks*
- *Environmentally friendly and safe*



MONEY-BACK GUARANTEE.

Bio-Clean® should be allowed sufficient time to perform and when used as per instructions is warranted to give customer satisfaction. All warranties are limited to the refund of the purchase price, by the dealer from whom it was purchased upon presentation of the can with the unused portion of the product and proof of purchase.

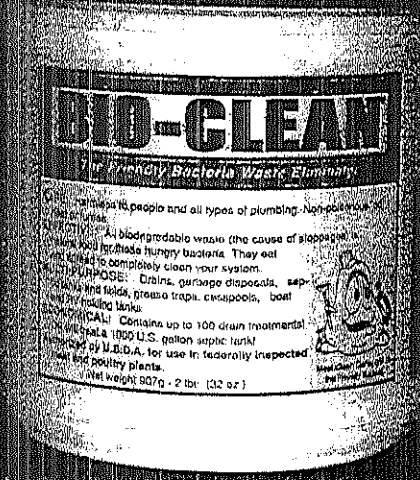
Bio-Clean® is authorized by the U.S.D.A. for use in federally inspected meat and poultry plants.

YOUR BIO-CLEAN® DEALER IS:

FOR MORE INFORMATION VISIT:

www.bio-clean.com

STOP PLUMBING PROBLEMS



SAFE-N-EASY

BIO-CLEAN® WORKS IN ALL THESE AREAS:

- *Kitchen Sinks*
- *Showers*
- *Bath Tubs*
- *Laundry Drains*
- *Garbage Disposals*
- *Floor Drains*
- *Septic Tanks & Fields*
- *Lavatories*
- *Grease Traps*
- *Cat Litter Pans*
- *Motor Homes*
- *Outhouses*

Sevig Utility Co.
P.O. Box 409
Walford, IA 52351

Meter@sevigco.com
319-846-5550 Phone

August 1, 2011

Mr. Jim Sievers
IDNR
Jim.Sievers@dnr.iowa.gov

Dear Jim:

Following you will find the information that you had requested regarding the sand filter at Corridor Ridge in Shueyville.

Once ever month I inspect the four pumps. They are alarmed so if a problem occurs I am contacted by telephone.

Once a month I add 50 pounds of Bio-Clean (Brochure enclosed).

I also mow and spray the area on a regular basis for weeds.

We are currently ordering bottles for the CBOD5, Total Suspended Solids, Ammonia, E.Coliform Bacteria and PH. We will provide the results once we have them back.

If you have any additional question, feel free to contact me at 319-721-7221.

Sincerely,

Gordon Sevig