

State of Wisconsin  
DEPARTMENT OF NATURAL RESOURCES  
101 S. Webster Street  
Box 7921  
Madison WI 53707-7921

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



**RECEIVED**  
SEP - 3 2013

August 29, 2013

**BY:** .....

Lu Beekman  
Town of Washington Sanitary District  
P.O. Box  
Washington Island WI 54246

Subject: Proposed POWTS for Town of Washington

Dear Ms. Beekman:

I sincerely regret the delay in the department's response to your submission of plans for a POWTS at Washington Island. The situation at the Town of Washington is unique and required that review the statutes, rules and the 1999 Memorandum of Understanding (MOU) with the Department of Commerce (now the Department of Safety and Professional Services).

The proposed POWTS would provide treatment for a mixture of holding tank waste and septage generated on the Island. The POWTS would be by definition a "centralized septage treatment facility" (s. NR 204.03 (11), Wis. Adm. Code.)

The MOU does not address POWTS for centralized septage treatment facilities. Section VVIII. (E), states that DNR will address the transfer of septage into an on-site sewage system when ch. NR 113, Wis. Adm. Code was revised. This has not happened however and the MOU doesn't provide guidance on review of centralized septage treatment facilities.

We have concluded that the Town will need a specific WPDES permit to operate a centralized septage treatment facility. Further the treatment facility is not covered by the 1999 MOU and the nitrogen removal criteria for Large POWTS systems covered by the MOU is not the appropriate standard to meet.

Facilities not covered under the MOU are required to meet the groundwater quality standards in ch. NR 140. We believe the level of treatment provided by proposed is not sufficient to meet the nitrogen standard in ch. NR 140.

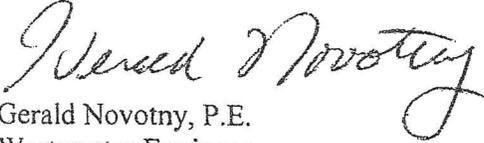
Further centralized septage treatment facilities are not exempted from the requirements of ch. NR 204. Therefore the solids generated by the proposed POWTS cannot be land spread under ch. NR 113 but rather must meet the requirements of ch. NR 204.

Therefore the department cannot concur with the construction of the proposed POWTS system.

The treatment facility will be municipally owned and will require preparation of a facilities plan as outlined in ch. NR110, Wis. Adm. Code. The Preliminary Engineering Report is not sufficient to the meet these requirements.

I understand that in rejecting your proposal we are in affect requiring the Town to develop a facility plan that is more consistent with a municipal wastewater treatment facility that the on-site treatment system that you envisioned and that this will entail a significant effort. I will be happy to meet with you or your consultant to review the requirements for facilities planning and the design requirements for a centralized septage treatment facility. You can contact me at (608) 267-7625 or by e-mail at [Gerry.Novotny@wisconsin.gov](mailto:Gerry.Novotny@wisconsin.gov).

Sincerely,

A handwritten signature in cursive script that reads "Gerald Novotny".

Gerald Novotny, P.E.  
Wastewater Engineer

CC: Peter Hurth – Baudhuin Incorporated  
Mark Finger - DSPS  
Fred Hegeman – WT/3  
Gary Kincaid – NER Green Bay

**Lu Beekman**

**From:** Pete Hurth [phurth@bauduin.com]  
**Sent:** Friday, October 18, 2013 10:13 AM  
**To:** 'Lu Beekman'  
**Subject:** FW: WASHINGTON ISLAND FACILITIES PLAN

---

**From:** Novotny, Gerry - DNR [mailto:Gerry.Novotny@wisconsin.gov]  
**Sent:** Thursday, October 10, 2013 2:10 PM  
**To:** Pete Hurth; townoffice@washingtongisland-wi.gov  
**Cc:** Finger, Mark S - DSPS; 'Steve Parent'; Tony Birrittieri'; Hegeman, Frederick J - DNR; Kincaid, Gary W - DNR  
**Subject:** RE: WASHINGTON ISLAND FACILITIES PLAN

Hello,

Here is a list of items that need to be addressed in your facilities plan.

1. Please provide the current seasonal and year-round current population and a 20-year projection of seasonal and year-round population. Indicate the source of population numbers (Department of Administration, Door County Planning Department or other).
2. Provide current and 20-year projected design flows. Note that this may be the same as the flow used for design of the POWTS that was submitted. However we require that the design condition is based on a 20-year planning period.
3. As we indicated at our meeting a discharge treated wastewater directly to Lake Michigan may be a feasible alternative. The effluent limits for a direct discharge would include "secondary limits" of 30 mg/L monthly average and 45 mg/L weekly average for Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS). Disinfection would be required and an interim phosphorus limit of 0.6 mg/L. The interim limit would be included in the discharge permit until a lake water quality model is available to calculate final limits. U.S. EPA is developing the lake model and it is possible that the final phosphorus limit could be reduced further.

4. The location of an outfall pipe to Lake Michigan would have to be evaluated for the depth at the outfall and its relationship to beaches or recreational sites.

5. As I indicated in my previous e-mail an endangered resources review is needed for any new site. If you haven't requested a review for the previously selected site (Gunnlaugssen site) please do so as soon as possible.

6. I have used our department's database and determined that there are no known historical or archaeological sites on the Gunnlaugssen site. If a different site is chosen a review of the potential effects on historical or archaeological resources will need to be done on the selected site.

7. For design of the POWTS the DSPS design criteria for the subsurface disposal field will apply with respect to loading rates, depth to bedrock, depth to groundwater etc.

8. The effluent quality for discharge to the drain field will be consistent with the discharge requirement for seepage cells in NR 206 that is: BOD of 50 mg/L; Total Nitrogen of 10 mg/L; Chloride of 250 mg/L on a monthly average basis. These limits would apply to the both the existing POWTS (at the ball park site) and any new proposed POWTS.

9. At our meeting it was indicated that a POWTS pre-treatment system would be capable of meeting a 10 mg/L limit. We will need to see design calculations and performance data demonstrating this.

10. Conventional wastewater treatment facilities do not remove chlorides. Chlorides have been an issue at a number of municipal treatment plants. Removal requires some typical of physical/chemical treatment such as reverse osmosis or ion exchange. These are very expensive processes. The preferred approach to removal of chloride has been source reduction.

Because we don't have any data on the wastes that will be treated in the proposed system it may be difficult to determine the potential to exceed the chloride limit. But an evaluation of the chloride sources including the contribution of residential water softeners should be provided.

11. If the preferred alternative remains construction of a POWTS system on the site you previously selected I would like a larger scale site map the shows the proposed POWTS in relationship to Gunnlaugssen Road.

12. Please indicate if there are any water supply wells within 250 feet of the existing and proposed POWTS.

13. We need an estimate of the biosolids generated by the treatment system and the proposed disposal method. All residual solids generated by the treatment system (grit, screenings, biosolids) must be disposed of according to ch. NR 204, Wis. Adm. Code.

14. You need to provide an estimate of the user charges for a typical residential customer resulting from the project.

15. When you have updated that plan and either confirmed the previously alternative or selected a new alternative you will need to hold a public hearing and provide a summary of the hearing.

16. Before the department can approve the facilities plan we need to issue a news release and allow for a 2-week public comment period.

17. The specific permit for your treatment system will require flow monitoring, effluent testing and reporting. These will be based on the type of system proposed. The department will provide more information on these requirements at a later date.

Please contact me with any questions.

Gerald Novotny, P.E.

Wastewater Engineer  
Bureau of Water Quality - WQ/3  
Wisconsin Department of Natural Resources P.O. Box 7921 Madison, WI 53707-7921  
(\*) phone: (608) 267-7625  
(\*) fax: (608) 267-2800  
(\*) e-mail: Gerry.Novotny@wisconsin.gov

# Chart I 2013

## Distribution

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Acres	Max gals per acre	Annual Maximum	Field	Total Gallons Disposed both Holding & Septic	Total Gallons Septic Waste Disposed	Total Gallons Holding Tank Waste Disposed	% of Field Used by All Waste	% of Field Used by Septic Waste	% of Field Used by Holding Tank Waste	% of Total Gallons put on Field	% of Septic Waste on Field	% of Holding Tank on Field	Grease Waste/Unaccounted Gallons on fields
3	39000	117000	Myra A South	56,050	30,550	25,500	48%	26%	22%	5%	15%	3%	0
3	39000	117000	Myra A North	96,740	21,900	74,840	83%	19%	64%	8%	11%	8%	0
2.5	39000	97500	Myra A1	57,950	37,000	16,000	59%	38%	16%	5%	18%	2%	4,950
4	39000	156000	Myra C East	148,350	51,700	92,850	95%	33%	60%	13%	25%	10%	1800
1.7	39000	66500	Gunnlaugsson West	46,150	28,500	17,650	69%	43%	27%	4%	14%	2%	
16.03	12165	195000	Airport A	0	0	0	0%	0%	0%	0%	0%	0%	
6	39000	117000	Myra B	28,060	17,510	10,550	24%	15%	9%	2%	8%	1%	
3.5	39000	136500	Myra B1	0	0	0	0%	0%	0%	0%	0%	0%	
4	39000	156000	Myra C West	154,240	19,750	134,490	99%	13%	86%	13%	9%	14%	
2.8	39000	109200	Gunnlaugsson East	62,590	1,000	61,590	57%	1%	56%	5%	0%	7%	
10.14	12165	195000	Airport B	0	0	0	0%	0%	0%	0%	0%	0%	
		730000	Fast System	497,090	0	0	68%	0%	0%		0%	0%	
			Fast System/Johnson	165,500	0	170,200				14%	0%	18%	
			Fast System/Jorgenson	323,210	0	337,795				28%	0%	36%	
Both Field & Fast Fields Only	3,636,400	1,462,700	Totals	1,147,220	207,910	941,465				57%	100%	46%	6,750
				650,130		433,470							
			2012 Total	1,163,400	229,240	920,910				62%	100%	51%	
			Fields Only	650,130	229,100	433,470							
			Difference from 2012	-10%	-9%	-10%							
				-10%	-10%	-10%							

### Town/Leased Field Usage

No. of Acres used this year	Hanson	Jordan	Town
818,435	238,800	302,590	108,740
	29.18%	36.97%	13.29%
	18	8	4.5

All Systems/Fields  
Annual

Acres	Max gals per acre	Annual Maximum	Field	Total gallons	% of Total
3	39,000	117,000	Myra A South	56,050	5%
3	39,000	117,000	Myra A North	96,740	8%
2.5	39,000	97,500	Myra A1	57,950	5%
4	39,000	156,000	Myra C East	148,350	13%
1.7	39,000	66,500	Gunnlaugsson West	46,150	4%
16	12,165	312,000	Airport A	0	0%
			Fast System/Johnson	165,500	14%
			Fast System/Jorgenson	331,590	29%
6	39,000	117,000	Myra B	28,060	2%
3.5	136,500	136,500	Myra B1	0	0%
4	39,000	156,000	Myra C West	154,240	13%
2.8	39,000	109,200	Gunnlaugsson East	62,590	5%
10	10,150	195,000	Airport B	0	0%
Totals				1,147,220	100%

**Jorgensons**

Acres	Max gals per acre	Annual Maximum	Field	Total gallons	% of total
3	39,000	117,000	Myra A North	96,740	14%
6	39,000	117,000	Myra B	28,060	4%
4	39,000	156,000	Myra C West	154,240	23%
2.8	39,000	109,200	Gunnlaugsson East	62,590	9%
10.14	12,165	195,000	Airport B	0	0%
			Fast System	331,590	49%
25.94				673,220	100%

**Johnsons**

Acres	Max gals per acre	Annual Maximum	Field	Total gallons	% of Total
3	39000	117000	Myra A South	56,050	12%
2.5	39000	97500	Myra A1	57,950	12%
3.5	39000	136500	Myra B1	0	0%
4	39000	156000	Myra C East	148,350	31%
1.7	39000	66500	Gunnlaugsson West	46,150	10%
16.03	12165	312000	Airport A	0	0%
			Fast System	165,500	35%
30.73				474,000	100%

# Holding Tank Data Final Results 2013

This data reflects HOLDING TANKS ONLY.

Acres	Max gals per acre	Annual Maximum	Field the Holding Tank Waste was Spread On	Total Gallons Holding Tank Waste Pumped	% of Total Holding Waste on Specific Field
3	39000	117000	Myra A South	25,500	3%
3	39000	117000	Myra A North	73,740	8%
2.5	39000	97500	Myra A1	7,950	1%
4	39000	156000	Myra C East	88,350	10%
1.7	39000	66500	Gunnlaugsson West	20,950	2%
16.03	12165	195000	Airport A	0	0%
6	39000	117000	Myra B	10,950	1%
3.5	39000	136500	Myra B1	0	0%
4	39000	156000	Myra C West	130,960	14%
2.8	39000	109200	Gunnlaugsson East	56,910	6%
10.14	12165	195000	Airport B	0	0%
				0	
	730000		Fast System/Johnson	170,200	18%
			Fast System/Jorgenson	337,795	37%
			Totals	923,305	100%

2013

## Jorgensons

Acres	Max gals per acre	Annual Maximum	Field	Total gallons	% of total
3	39000	117000	Myra A North	74,840	12%
6	39000	117000	Myra B	10,550	2%
4	39000	156000	Myra C West	134,490	22%
2.8	39000	109200	Gunnlaugsson East	61,590	10%
10.14	12165	195000	Airport B	0	0%
			Fast System/Jorgenson	337,795	55%
				619,265	100%
25.94					

2013

## Johnsons

Acres	Max gals per acre	Annual Maximum	Field	Total gallons	% of Total
3	39000	117000	Myra A South	25,500	8%
2.5	39000	97500	Myra A1	16,000	5%
3.5	39000	136500	Myra B1	0	0%
4	39000	156000	Myra C East	92,850	29%
1.7	39000	66500	Gunnlaugsson West	17,650	5%
16.03	12165	312000	Airport A	0	0%
			Fast System	170,200	53%
30.73				322,200	100%

## 2013 Holding Tank by Month

2010 YTD	Total Gallons Pumped from Holding Tanks	Gallons to FAST System	Gallons Pumped from Holding Tank to Other (Spreading Fields)	% of Total
January	17560	17560	0	100%
February	13520	13520	0	100%
March	10750	10750	0	100%
April	15630	15630	0	100%
May	52360	47780	4580	91%
June	159520	65540	93980	41%
July	229400	67030	162370	29%
August	193560	56060	137500	29%
September	102360	54090	48270	53%
October	118940	65080	53860	55%
November	45060	40660	4400	90%
December	36810	36810	0	100%
	995470	490510		49%

**NOTICE TO OCCUPANT**

The wastewater that is produced by your residence or business is treated by FAST®, an advanced wastewater treatment system. The FAST® treatment unit is located on your property and is an on-site treatment system. Any on-site treatment and disposal system will work properly provided the occupants do not place harmful substances in the system. Therefore, certain standards must be followed in order to receive optimal performance from your FAST® system. You may be interested to know that most of these same standards are also important to follow even for those who are connected to a municipal or city sewer treatment system or conventional septic systems. Please refer to the list below for important information on how to help keep your treatment system performing as it should. In addition to these standards, all required maintenance must be completed in a timely manner.

**DO NOT SHUT THE BLOWER OFF** (Notify your maintenance provider if it appears to be functioning improperly or if you will be leaving the property for an extended period of time.)

**DISINFECTANTS OR BLEACHES**

Use in accordance with manufacturers recommendations and sparingly. Quaternary ammonia sanitizers (found primarily in commercial settings) or pine oil cleaners should not be used.

**MEDICATIONS**

Normal use of over the counter medications should not affect the system. However, strong antibiotics or chemotherapy drugs have been known to severely disrupt the treatment process. Please notify your service provider of this kind of issue so they may be aware of the reason for the system upset.

**DETERGENTS**

Should be low-suds, biodegradable, and low phosphate. (Some examples are: Arm & Hammer, ALL, and Ecolab® Products (commercial use))

**PAPER PRODUCTS**

Use white toilet paper products. Some natural bacteria do not eat color dyes in paper and therefore do not breakdown colored paper. Non-bleached paper (brown in color) takes a long time to breakdown due to the increased level of wood pulp.

NO TOILET BOWL TABLETS SHOULD BE USED.

NO DISCHARGE FROM WATER SOFTENERS SHOULD GO INTO THE SYSTEM.

NO ANIMAL FATS, SUCH AS BACON GREASE, LARD, OR ANY OTHER OILS SHOULD GO INTO THE SYSTEM. (Normal cleaning of pots and pans is acceptable).

NO DRAIN CLEANERS SHOULD BE USED. (Vinegar and baking soda is good substitute. As a last resort chemical drain cleaners can be used, but use sparingly because they are toxic to the bacteria in the system.)

NO LIQUID FABRIC SOFTENERS SHOULD BE USED. (These products typically contain quaternary ammonia which is toxic to the bacteria. Please use dryer sheets.)

NO HAASH CHEMICALS OR TOXINS SHOULD BE PUT INTO THE SYSTEM (i.e. Floor stripping waste / household paints / solvents / thinners / caustic cleaners / pesticides / herbicides etc.)

OBJECTS NOT TO BE PUT INTO THE SYSTEM		SANITARY NAPKINS	
DISPOSABLE DIAPERS	CAT LITTER	AUTOMOTIVE FLUIDS	
BANDAGES	CIGARETTE BUTTS	STICKS	
RAGS	STRING	PLASTICS	
MUD	CONDOMS	CORN COBS	
METAL OBJECTS	PAPER TOWELS	COFFEE GROUND	
ANIMAL BONES	MELON RINDS	OLD MEDICATIONS	
HOME BREWERY WASTE	EGG SHELLS		

**Laundry Wash Loading**

It is recommended that wash loads be spread throughout the week.

**Septic Tank Additives, Enzymes, and Bacteria**

Under normal circumstances these would be unnecessary with advanced treatment systems and not recommended for traditional septic systems.

**VIOLATIONS OF THE ABOVE STANDARDS OF GOOD PRACTICE MAY VOID THE PRODUCT WARRANTY**

# Inspection Report

## Private Onsite Wastewater Treatment System / Individual Subsurface Treatment System

Thank you for allowing us to help extend the life of your system!  
Let us know if you have any questions.

*This is our report to you - Please read carefully*

Installation Location: Owner:  
Petersen Installation #5069 Owner or Manager

Owner or Manager  
Washington Island BB-Town of Washington  
P.O. Box 220, Utility Dist.

Washington Island, WI

County: Door

Tel: 920-847-2522

Sampling Needed: no

ATU Installed: Hightstfast 3.0 Install Date: December 3, 1999

ATU Serial Number: HSF 101

Inspection Agreement date: 6/22/99 7/20/09



HSF-30701

*Low Co, Small Jr.*  
Inspector/Service Provider 224586  
*MRS. CSM, PO 224586*  
Credential Number 9208472353  
Phone Number \_\_\_\_\_  
Date 7/1/13 Time 3PM

Petersen Management Co., LLC  
PO Box 340, 421 Wheeler Avenue  
Fredonia, WI 53021  
Tel: 888-455-6864 or 262-692-2416  
Fax: 800-669-1232 or 262-692-2418  
E-Mail: sales@petersenproducts.com

*CC: RETORT TD*

Your state of the art treatment system provides an ideal way to extend the life of your dispersal field and recycle clean wastewater back into the groundwater. **Inspections can discover minor problems that could cause your dispersal field to fail resulting in considerable repair or replacement costs. Inspecting and maintaining your system properly can greatly increase its life, save money, protect water wells, and generally improve the environment.**

Below are some of the items we checked. Please read carefully and let us know if you have any questions.

- A. We removed the blower housing to clean the filter and check the blower for unusual noises or visible signs of electrical or mechanical problems. Pipe connections, vents, filters, blower, and electrical connections do do not appear to be in good order.
- B. The electrical panel switches and alarm were checked and do do not seem to be working properly.
- C. The water turbulence in the Bio-Microbics FAST<sup>®</sup> treatment unit does does not appear to indicate there is adequate air coming from the blower.
- D. The aerobic vent pipe does does not appear to be operating correctly. An obstructed vent will reduce treatment levels. The vent holes or opening should be equivalent to a 3" pipe.
- E. There was was not a septic odor. When the aerobic system is working well, it receives enough oxygen to treat the quantity and quality of the waste load it is receiving. A slight musty odor is normal, especially, on heavy use days. \*SEE NOTE 2
- F. The water coming from the FAST<sup>®</sup> unit was was not clear. Clear water indicates there is good quality water coming from the treatment process. Properly treated wastewater should be clear of solids and may have a slightly cloudy appearance.
- G. We checked the sludge depth in your septic tank and it appears your system does / does not require pumping. The septic settling tank should be pumped when the sludge depth is 25% to 30% of the water depth in the tank. Please advise your pumpier that each compartment and tank should be pumped when the septic settling compartment or tank needs pumping.
- H. The water depth in the tank(s) does does not appear to be correct. An increased water depth may indicate ground water may be entering the tank from your field or there may be leaks in your tank. A low water level also may mean your tank is leaking.
- I. We looked for cracks or leaks in the tank risers and manhole covers and they do do not appear to be normal. Leaks may allow water to enter your tank and overload your dispersal field.

J. We checked for ponding in your dispersal field. There was N/A " of ponding. Significant ponding may indicate the field is developing a clogging mat, the water flow is too high or there is some other problem with the field.

K. We checked the pumps and level control switches in the pump tank and they do do not appear to be working correctly. The pump counter reading is: 65972 275837 HRS  
22858 EVENTS #1 64110 PUMPS

L. Treated wastewater effluent analysis: N/A DO, N/A Ph, N/A °F Temp. Dissolved Oxygen is required for aerobic treatment, Ph significantly above or below 7 may indicate a toxic chemical presence and the temperature reading may help evaluate any treatment issue. SEE TOWARD UTILITY DIST FOR

M. Based on our visual inspection, your system does does not appear to us to be working properly with the proper quantity and quality of wastewater.

TERTIARY RE-SULTS  
You, your septic tank pumpier or your system contractor may call any time to discuss this report. Whenever your tank(s) needs pumping, ask your pumpier to clean and replace any effluent filters as needed, check the integrity of the tank and its baffles while it is empty. The tank(s) do not need to be emptied completely because a little biological sludge on the bottom helps the treatment to restart quickly when the system is put back into use.

We did not enter the tanks or use equipment to examine underground components. Our inspection of your system included the primary observable indicators that usually indicate the system is or is not working properly. Our inspection certainly cannot guarantee there is nothing wrong with the system or that it may fail sooner than expected. Treatment conditions may change if there are significant changes in wastewater quantity or quality. Read the notice on the back page for good wastewater practices. Call your system installer or service provider if you suspect problems with your system or have any questions.

We appreciate the opportunity to help you safeguard your system. With proper management and care your system can perform satisfactorily for many years.

Comments & Suggestions: 1 SLUDGE LEVELS FAST #1 = 24, " FAST #2 (LUMP) 30", SEPTIC TANK INLET = 20", SEPTIC TANK OUTLET = 20, "

2 TANKS NEED PUMPING 3 FLUSHED LATERALS (5) HAD LIGHT TO MED. SLUDGE (3) WERE NEAR DIRT & PLUGGED 3 CLEANED

4 FILTER WAS PARTLY PLUGGED & LEVEL UP 4" 4 CHANGED ALARMS & CONTROLS 5 FAR NORTH LATERALS NEED SMALL TREES & BRUSH CLEANED OFF DRAIN FIELD 6 SLUDGEHAWK UNIT WAS INDP.

**NOTICE TO OCCUPANT**

The wastewater that is produced by your residence or business is treated by FAST®, an advanced wastewater treatment system. The FAST® treatment unit is located on your property and is an on-site treatment system. Any on-site treatment and disposal system will work properly provided the occupants of the premises do not place harmful substances in the system. Therefore, certain standards must be followed in order to receive optimal performance from your FAST® system. You may be interested to know that most of these same standards are also important to follow even for those who are connected to a municipal or city sewer treatment system or conventional septic systems. Please refer to the list below for important information on how to help keep your treatment system performing as it should. In addition to these standards, all required maintenance must be completed in a timely manner.

**DO NOT SHUT THE BLOWER OFF** (Notify your maintenance provider if it appears to be functioning improperly or if you will be leaving the property for an extended period of time.)

**DISINFECTANTS OR BLEACHES**  
Use in accordance with manufacturers recommendations and sparingly. Quaternary ammonia sanitizers (found primarily in commercial settings) or pine oil cleaners should not be used.

**MEDICATIONS**  
Normal use of over the counter medications should not affect the system. However, strong antibiotics or chemotherapy drugs have been known to severely disrupt the treatment process. Please notify your service provider of this kind of issue so they may be aware of the reason for the system upset.

**DETERGENTS**  
Should be low-suds, biodegradable, and low phosphate. (Some examples are: Arm & Hammer, ALL, and Ecolab® Products (commercial use))

**PAPER PRODUCTS**  
Use white toilet paper products. Some natural bacteria do not eat color dyes in paper and therefore do not breakdown colored paper. Non-bleached paper (brown in color) takes a long time to breakdown due to the increased level of wood pulp.

**NO TOILET BOWL TABLETS SHOULD BE USED.**

**NO DISCHARGE FROM WATER SOFTENERS SHOULD GO INTO THE SYSTEM.**

**NO ANIMAL FATS, SUCH AS BACON GREASE, LARD, OR ANY OTHER OILS SHOULD GO INTO THE SYSTEM.** (Normal cleaning of pots and pans is acceptable).

**NO DRAIN CLEANERS SHOULD BE USED.** (Vinegar and baking soda is good substitute. As a last resort chemical drain cleaners can be used, but use sparingly because they are toxic to the bacteria in the system.)

**NO LIQUID FABRIC SOFTENERS SHOULD BE USED.** (These products typically contain quaternary ammonia which is toxic to the bacteria. Please use dryer sheets.)

**NO HARSH CHEMICALS OR TOXINS SHOULD BE PUT INTO THE SYSTEM**

(i.e. Floor stripping waste / household paints / solvents / thinners / caustic cleaners / pesticides / herbicides etc.)

**OBJECTS NOT TO BE PUT INTO THE SYSTEM**

DISPOSABLE DIAPERS	CAT LITTER	SANITARY NAPKINS
BANDAGES	CIGARETTE BUTTS	AUTOMOTIVE FLUIDS
RAGS	STRING	STICKS
MUD	CONDOMS	PLASTICS
METAL OBJECTS	PAPER TOWELS	CORN COBS
ANIMAL BONES	MELON RINDS	COFFEE GROUND
HOME BREWERY WASTE	EGG SHELLS	OLD MEDICATIONS

**Laundry Wash Loading**

It is recommended that wash loads be spread throughout the week.

**Septic Tank Additives, Enzymes, and Bacteria**

Under normal circumstances these would be unnecessary with advanced treatment systems and not recommended for traditional septic systems.

**VIOLATIONS OF THE ABOVE STANDARDS OF GOOD PRACTICE MAY VOID THE PRODUCT WARRANTY**

# Inspection Report

## Private Onsite Wastewater Treatment System / Individual Subsurface Treatment System

Thank you for allowing us to help extend the life of your system!  
Let us know if you have any questions.

*This is our report to you - Please read carefully*

Installation Location: Petersen Installation #5069 Owner: Owner or Manager

Owner or Manager: Washington Island BB-Town of Washington

P.O. Box 220, Utility Dist.

Washington Island, WI

County: Door

Tel: 920-847-2522

Sampling Needed: no

ATU Installed: Highstrast 3.0 Install Date: December 3, 1999

ATU Serial Number: HSF 101

Inspection Agreement date: 6/24/99 - 7/20/09



HSF-30701

*Lou B. Small Jr.*  
Inspector/Service Provider  
*MRS. ESTM, PO 224586*  
Credential Number: 9208472353  
Phone Number: \_\_\_\_\_

Date: 12/3/13 Time: 2 PM

1/13/14 10 AM

Petersen Management Co., LLC  
PO Box 340, 421 Wheeler Avenue  
Fredonia, WI 53021  
Tel: 888-455-6864 or 262-692-2416  
Fax: 800-669-1232 or 262-692-2418  
E-Mail: sales@petersenproducts.com

Rev. 04/11

*CC: R EGAN T D*

Your state of the art treatment system provides an ideal way to extend the life of your dispersal field and recycle clean wastewater back into the groundwater. Inspections can discover minor problems that could cause your dispersal field to fail resulting in considerable repair or replacement costs. Inspecting and maintaining your system properly can greatly increase its life, save money, protect water wells, and generally improve the environment.

Below are some of the items we checked. Please read carefully and let us know if you have any questions.

- A. We removed the blower housing to clean the filter and check the blower for unusual noises or visible signs of electrical or mechanical problems. Pipe connections, vents, filters, blower, and electrical connections do do not appear to be in good order.
- B. The electrical panel switches and alarm were checked and do do not seem to be working properly.
- C. The water turbulence in the Bio-Microbics FAST<sup>r</sup> treatment unit does does not appear to indicate there is adequate air coming from the blower.
- D. The aerobic vent pipe does does not appear to be operating correctly. An obstructed vent will reduce treatment levels. The vent holes or opening should be equivalent to a 3" pipe.
- E. There was was not a septic odor. When the aerobic system is working well, it receives enough oxygen to treat the quantity and quality of the waste load it is receiving. A slight musty odor is normal, especially, on heavy use days.
- F. The water coming from the FAST<sup>r</sup> unit was was not clear. Clear water indicates there is good quality water coming from the treatment process. Properly treated wastewater should be clear of solids and may have a slightly cloudy appearance.
- G. We checked the sludge depth in your septic tank and it appears your system does does not require pumping. The septic settling tank should be pumped when the sludge depth is 25% to 30% of the water depth in the tank. Please advise your pumpier that each compartment and tank should be pumped when the septic settling compartment or tank needs pumping.
- H. The water depth in the tank(s) does does not appear to be correct. An increased water depth may indicate ground water may be entering the tank from your field or there may be leaks in your tank. A low water level also may mean your tank is leaking.
- I. We looked for cracks or leaks in the tank risers and manhole covers and they do do not appear to be normal. Leaks may allow water to enter your tank and overload your dispersal field.

J. We checked for ponding in your dispersal field. There was NH " of ponding. Significant ponding may indicate the field is developing a clogging mat, the water flow is too high or there is some other problem with the field.

K. We checked the pumps and level control switches in the pump tank and they do do not appear to be working correctly. The pump counter reading is: 23812 Events 285435 Ev

L. Treated wastewater effluent analysis: 1941.99 HR # 2 Dose Pump NH DO, NH Ph, NH °F Temp. #1 Granular Pw

M. Based on our visual inspection, your system does does not appear to us to be working properly with the proper quantity and quality of wastewater.

You, your septic tank pumpier or your system contractor may call any time to discuss this report. Whenever your tank(s) needs pumping, ask your pumpier to clean and replace any effluent filters as needed, check the integrity of the tank and its baffles while it is empty. The tank(s) do not need to be emptied completely because a little biological sludge on the bottom helps the treatment to restart quickly when the system is put back into use.

We did not enter the tanks or use equipment to examine underground components. Our inspection of your system included the primary observable indicators that usually indicate the system is or is not working properly. Our inspection certainly cannot guarantee there is nothing wrong with the system or that it may fail sooner than expected. Treatment conditions may change if there are significant changes in wastewater quantity or quality. Read the notice on the back page for good wastewater practices. Call your system installer or service provider if you suspect problems with your system or have any questions.

We appreciate the opportunity to help you safeguard your system. With proper management and care your system can perform satisfactorily for many years.

Comments & Suggestions: 12/3/13 1 FLUSHED LATERALS (8) ALL WERE DIRTY W/ SLUDGE EFFLUENT REMAINS DISCOLORED WATER.

2 CHECKED EFFLUENT FILTER 3 CHECKED

ALL W/ FLOATS. RESET CORRECT TIME & DATE ON

TIMER - RE-ADJUST SETTIMES 4 BRUSH HAS BEEN MOSTLY

CLEANED OF DRUMPTER - SAME LIGHT BRUSH REMAINS.

5 ON 11/3/14 GRANULAR PUMP NOT P, PULSED PUMP & REMAINS FIBER DEBRIS FROM IMPUGNER & REINSTAL - RESET TIME & DATE ON TIMER.

Ballfield EAST  
Ballfield/Repair

	Jan	Feb	Mar	Apr	May	June	July	Sept	Oct	Nov	Dec	2013 Totals
Testing	\$ 67.00	\$ 27.00	\$ 27.00	\$ 54.00	\$ 27.00	\$ 27.00	\$ 54.00	\$ 27.00	\$ 27.00	\$ 27.00	\$ 27.00	\$ 418.00
Repair												
Maintenance												
Inspections							\$ 378.90					\$ 378.90
Miscellaneous						\$ 4.47						\$ 4.47
Ballfield Electricity						\$ 1,411.90						\$ 1,411.90
<b>Total</b>												<b>4,210.44</b>

End Lease Payment												\$ 11,739.43
Hansen												\$ 5,178.11
Jordan												\$ 6,561.32
Phone/Ph Purchased												\$ -
<b>Total</b>												<b>11,739.43</b>

	Jan	Feb	Mar	Apr	May	June	July	Sept	Oct	Nov	Dec	2013 Totals	
<b>Employee Costs</b>													
Wages	\$ 251.85	\$ 1,145.93	\$ 444.94	\$ 344.20	\$ 488.06	\$ 478.52	\$ 512.10	\$ 688.40	\$ 503.70	\$ 495.31	\$ 461.73	\$ 579.26	\$ 6,394.00
Retirement	\$ 19.27	\$ 87.66	\$ 34.04	\$ 26.33	\$ 35.32	\$ 36.61	\$ 39.17	\$ 52.67	\$ 38.53	\$ 37.89	\$ 35.32	\$ 44.32	\$ 487.13
Payroll Taxes	\$ 16.75		\$ 105.79										\$ 122.54
<b>Total</b>													<b>7,003.67</b>

	Jan	Feb	Mar	Apr	May	June	July	Sept	Oct	Nov	Dec	2013 Totals	
<b>Administrative</b>													
Phone/Internet	43.99	43.99	43.99	43.99	43.99	42.33	43.99	43.99	43.99	43.99	43.99	43.99	\$ 526.22
Insurance	298.96												\$ 298.96
Office Supplies	113.88						\$ 165.59						\$ 451.32
Postage	225.00									\$ 276.00			\$ 501.00
Printer Charges		\$ 11.85	\$ 16.25	\$ 32.35	\$ 13.50						\$ 14.45		\$ 88.40
Computer Software	948.00												\$ 948.00
<b>Total</b>													<b>2,813.90</b>

	Jan	Feb	Mar	Apr	May	June	July	Sept	Oct	Nov	Dec	2013 Totals
<b>Miscellaneous</b>												
Hiring/Travel												\$ 143.53
Licenses & Permits												\$ 143.53
<b>Total</b>												<b>143.53</b>

	Jan	Feb	Mar	Apr	May	June	July	Sept	Oct	Nov	Dec	2013 Totals	
<b>New FAST System Costs</b>													
Engineering Study	4,800.00	14,400.00	8,000.00	1,600.00	3,200.00	2,000.00	1,000.00	2,000.00				\$ 37,000.00	
Permits			1,292.00									\$ 1,292.00	
Newspaper Publications			21.95				530.41					\$ 552.36	
Test Holes Back Hoe Survey							40.00					\$ 40.00	
<b>Total</b>	6,784.70	15,716.43	9,985.96	2,100.87	5,224.24	2,584.46	2,724.16	2,852.06	1,608.29	880.19	746.26	13,587.71	\$ 38,884.36
<b>Monthly Totals</b>													<b>64,795.33</b>
<b>Total of categories</b>													<b>64,795.33</b>

FEBRUARY PERMITS ISSUED - 2014

<u>DATE ISSUED</u>	<u>NAME AND ADDRESS</u>	<u>TAX NO.</u>	<u>SITE AND BUILDER</u>	<u>CONSTRUCTION</u>	<u>DESCRIPTION</u>
02/25/14	MICHAEL D & BARBARA A LAUTENBACH 6269 STATE HIGHWAY 57 STURGEON BAY WI 54235	016-00-232927231	HWY 57	A 4' X 6' ON-PREMISE ADVERTISING SIGN.	23 29N 27E
02/06/14	JEROME R & JEAN M KREBS 2006 HILLSIDE OAK LN HOUSTON TX 77062	018-66-0539	LIBERTY GROVE 2180 PORCUPINE BAY ROAD	AN 8 FOOT WIDE DECK ADDITION WITH AN 8' X 24' ROOF, ALL AS PER PLANS SUBMITTED TO THE DCPD ON 2/2/14.	21 32N 28E
02/17/14	JAMES F & LYNN M HOBART 2812 BLISS RD LACROSSE WI 54601	020-02-28282513A6	NASEWAUPEE 7295 HIGH CLIFF PARK ROAD	AN IRREGULAR SHAPED, 3-BEDROOM SINGLE FAMILY RESIDENCE WITH AN ATTACHED GARAGE.	27 28N 25E
02/18/14	JANET H ANCONI 109 GIBSON FOREST CT LEXINGTON SC 29072	022-03-16282711B	BLDR: DELEERS CONSTRUCTION SEVASTOPOL 4890 S CAVE POINT DRIVE	AN 8' X 24' 1" SECOND STORY DECK.	16 28N 27E
02/28/14 (AMENDED)	DAVID LOTT 1207 LANDONNIERE BEAUFORT SC 29902	022-02-30282644C	4027 BAYSHORE DRIVE BLDR: CARLSON ERICKSON BUILDERS	A 2'6" X 9' ADDITION TO THE KITCHEN AND A 21'6" X 27' MASTER BEDROOM/BATH ADDITION TO THE EXISTING RESIDENCE WITH A 13'8" DECK PER PLANS DATED 10/7/13.	30 28N 26E
02/20/14	KEVIN J GILBERT 3324 MATHIEY RD STURGEON BAY WI 54235	024-02-11272623B	STURGEON BAY 3324 MATHIEY ROAD	AN OUT-DOOR WOOD-FIRED FURNACE.	11 27N 26E
02/18/14	THOMAS T COOKE 433 CONWAY MEADOWS CHESTERFIELD MO 63017	028-03-18333023Q1	WASHINGTON ISLAND 1423 SOUTH SHORE DRIVE BLDR: ISLAND BUILDERS	TWO DORMERS PER PLANS DATED 2/6/14.	18 33N 30E
02/18/14	ELIZABETH ANNE HANSEN 1404 SOUTH SHORE DR WASHINGTON ISLAND WI 54229	028-03-18333023R	14047 S SHORE DRIVE BLDR: ISLAND BUILDERS	A 24' X 30' DETACHED GARAGE.	18 33N 30E

**Off Island Trips:**

The Washington Island Ferry Line provides 27 round trip passages for the van and the volunteer driver per year.

In the calendar year 2013 Volunteer drivers made 22 trips off the Island (this includes 2 trips off Island in a privately owned vehicle.)

There were a total of 57 passengers: 27 (or 47%) for Medical reasons and 30 (or 53%) for shopping.

The Volunteers drove a total of 2,604 miles in 208 hours and collected \$570 which was turned over to the Town Office.

**On Island Trips:**

Volunteer drivers used either the Community Van or their own vehicle. Passengers were picked up at their homes, taken to their appointments or other destinations as needed and then returned to their homes.

In the calendar year 2013 Volunteer drivers made 15 on Island service calls, 1 using the Community Van and 14 using a privately owned vehicle.

There was a total of 16 passengers: 5 (or 30%) for medical appointments and 11 (or 70%) for shopping.

The Volunteers drove 189 miles in 20 hours and collected \$16.00 in fees and donations which was turned over to the Town Office.

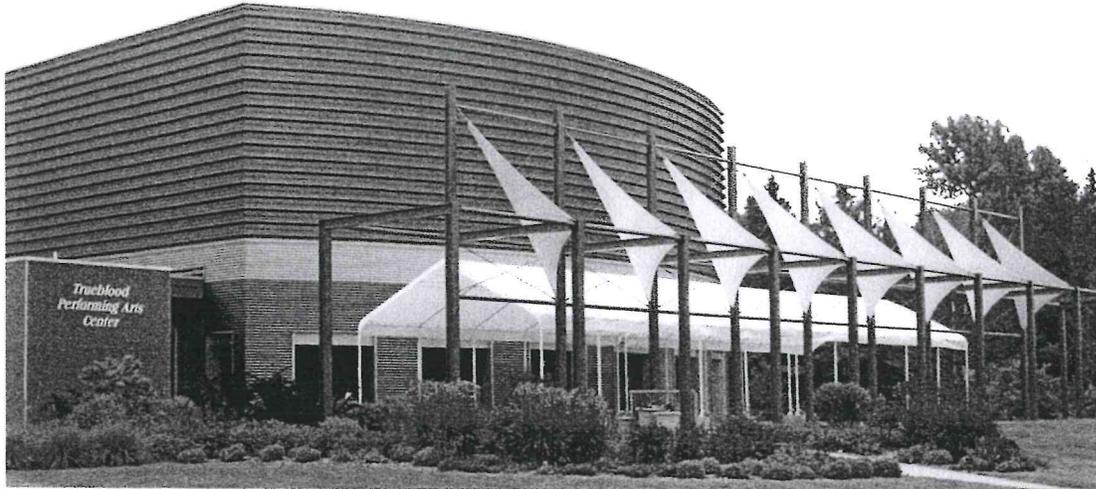
This report does not cover: use by the WIFD for transportation to training; use of the Van by Washington island Food Pantry for commodities' pick up and operational costs to the Town for Insurance, fuel, maintenance, repairs and associated administrative costs.

Lion Ed O'Neill, Volunteer



cc Town of Washington

# TRUEBLOOD PERFORMING ARTS CENTER



Joel Gunnlaugsson  
Town of Washington Chairman  
PO Box 220  
Washington Island, WI 54246

March 1, 2014

Dear Joel:

This is just a short note to thank you, the Town and the Town Crew for helping out at the Trueblood this winter by spreading sand on our driveway and parking lot.

This effort was very much needed and appreciated by Emmett and all the folks attending programs at the Theater.

Here is hoping March will usher in an early Spring.

Thanks again,

  
John A. Ward, President

Cc: Emmett Woods



**DOOR COUNTY**

**Resolution No. 2014-14**

**In Support of Senate Bill 566  
Statewide 911 Emergency Telecommunications System**

**TO THE DOOR COUNTY BOARD OF SUPERVISORS:**

ROLL CALL Board Members	Aye	Nay	Exc.
AUSTAD	X		
BRANN	X		
ENGLEBERT	X		
ENIGL	X		
FEUERSTEIN	X		
FISHER	X		
FONTAINE	X		
GUNNLAUGSSON	X		
HAINES	X		
KOHOUT			X
LIENAU	X		
MEYER	X		
MOELLER	X		
MULLIKEN	X		
NEINAS	X		
O'CONNOR	X		
RUNQUIST	X		
SCHULTZ	X		
VIRLEE	X		
WIEGAND	X		
ZIPPERER	X		
	20	0	1

**BOARD ACTION**

Vote Required: Majority Vote of a Quorum

Motion to Approve: Adopted  Defeated

1st Schultz 2nd Wiegand

No: 0 Yes: 20 Exc: 1

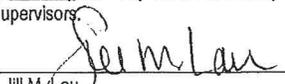
Reviewed by:  , Corp. Counsel

Reviewed by:  Administrator

**FISCAL IMPACT:**

**Certification:**

I, Jill M. Lau, Clerk of Door County, hereby certify that the above is a true and correct copy of a resolution that was adopted on the 25th day of February, 2014 by the Door County Board of Supervisors.

  
Jill M. Lau  
County Clerk, Door County

1 **WHEREAS**, Under current law, county 911 emergency  
2 telecommunications systems are funded as follows: counties may levy  
3 charges, the so-called county option landline fee (up to 40 cents); and the  
4 county levy (See: §§ 256.35(3) & (3m), Wis. Stats.); and

5  
6 **WHEREAS**, The current method of funding 911 emergency  
7 telecommunications services is no longer viable due to the decline of the  
8 number of landline phones and the concurrent increase in demand for  
9 911 services; and

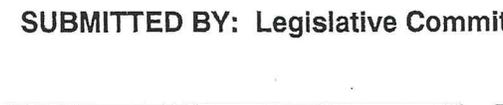
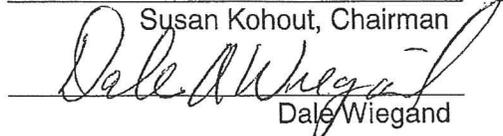
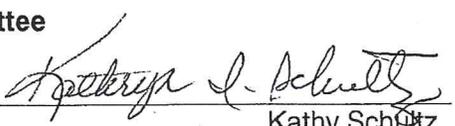
10  
11 **WHEREAS**, Senate Bill 566 relates to state 911 telecommunications  
12 services, and addresses, among other things, funding issues. This Bill  
13 does all of the following: a) eliminates the police and fire protection fee; b)  
14 requires statewide funding for a 911 emergency telecommunications  
15 system; c) requires the Public Service Commission (PSC) to contract for  
16 the establishment and maintenance of such a system and reimburse  
17 communications providers for related costs; d) allows the PSC to make  
18 grants to public safety answering points (PSAPS) for the improvement of  
19 911 services; e) creates a 16-member state 911 council; and f) includes  
20 other provisions related to the foregoing; and

21  
22 **WHEREAS**, The Legislative Committee has met, considered, and is  
23 recommending that Door County formally goes on record in support of  
24 Senate Bill 566.

25  
26 **NOW, THEREFORE, BE IT RESOLVED** That the Door County Board  
27 of Supervisors does hereby express its support for Senate Bill 566.

28  
29 **BE IT FINALLY RESOLVED** That a copy of this resolution be sent to  
30 Governor Walker, the Door County legislative delegation, all municipalities  
31 within Door County, all counties, and the Wisconsin Counties Association.

**SUBMITTED BY: Legislative Committee**

  
Susan Kohout, Chairman  
  
Dale Wiegand  
  
Kathy Schultz

February 24, 2014

Hi, Joell!

Your article in the Observer (2/13/14) indicated that the town might be interested in purchasing the Ann Rice property next to the ball field. I have a suggested use for at least a portion of the log cabin --- a Baseball Hall of Fame for the Islanders and the Little League team.

A museum like this could include a history of the island teams in the Door County League, a display of photographs, both old and new, a selection of uniforms and other memorabilia, maybe the two Hall of Fame plaques that are currently in the bank, and finally and best, a volunteer docent like Jake or your dad or several other of the "ole timers" who could share stories with visitors. It would be great to have some audio/visual recordings of some of the former players talking about favorite games, etc. Just imagine being able to watch Lonnie, Jake, Ray, Ted, Kirby and others sitting around talking baseball, island variety. I can't remember if the Archives videotaped Matt Foss' presentation about the subject a few years ago. If so that could be also used.

The whole project would take time and probably be accomplished in stages, funded by donations (not tax dollars) and maybe be helped along by Matt - this would be right up his professional alley.

I see this as a place of pride for islanders, both permanent and seasonal and also of interest to tourists. These are just some thoughts I've had. What do you think? An interesting idea???

Sincerely yours,



Ruth Gau  
(854-4663)