



Jefferson County Solid Waste/Air Quality Committee
March 24, 2017 - 8:00 a.m.
Jefferson County Courthouse – Room 203
311 S. Center Avenue, Jefferson, WI 53549

Minutes

Members: Don Reese-Chair, Gregg Patrick -Vice Chair, Laura Payne-Secretary, Kirk Lund and Gary Kutz

Staff: Rob Klotz, Sharon Ehrhardt and Matt Zangl

- 1. Call to Order**
Meeting called to order at 8:03 a.m. by Reese.
- 2. Roll Call (Establish a Quorum)**

Committee members in attendance at 8:03 am were Reese, Patrick, Payne, Lund and Kutz
Staff members in attendance at 8:03 am were Klotz, Zangl and Ehrhardt

Guests in attendance were Rick Schultz-Supervisor, Watertown Street Dept., Ed Morris-Jefferson County Board Supervisor, Mark Heal-Veolia Account Manager and Don Smith-Manager, Waste Management Deer Track Park Landfill

- 3. Certification of Compliance With the Open Meetings Law**
Klotz stated that the Solid Waste/Air Quality Committee complied with open meetings law requirements.

- 4. Review the Agenda**
No changes were proposed to the agenda.

- 5. Introductions**
Klotz introduced Matt Zangl the new Zoning Technician to the Committee and guests. Self-introductions were by all Committee members and guests.

- 6. Public Comment**
No public comment.

- 7. Communication**
No communications presented.

- 8. Approval of Minutes – December 16, 2016**
Motion by Patrick, seconded by Payne to approve the December 16, 2016 minutes as presented.
Motion carried 5-0.

- 9. Discussion with Possible Action-Update, Deer Track Park Landfill with Don Smith**

a. 2016 Host Fee
A copy of the 2016 host fee was placed in the meeting packet for review. The host fee was \$59,365.92

b. Chart from Brian Lamers
A copy of Lamers chart was placed in the meeting packet for review. The Committee discussed the chart and host fee together because the chart showed the progression of lower host fees since 2008. Lower host fees are due to a number of reasons being economy down turn, slow recovery and more recycling.

c. Landfill Updates
Reese said the landfill complied with the DNR's request for screening on I-94. Reese and other Committee members agree that the screening calls more attention to the site than without the screen. The screening was to block the view from I-94 to the landfill.

Heal said that when you have high winds there is almost nothing you can do to stop trash blowing around a landfill site. Heal said the biggest problem is the plastic bags that are so light in weight. Klotz replied more education is needed to make residents aware that bags shouldn't be put in their recyclable bins, but returned to their local stores or most grocery stores for recycling like Walmart. Ehrhardt said that AROW has done campaigns on how to recycle plastic bags. Reese added that most farmers in Jefferson County are now recycling their ag bags. Delta Plastics, Little Rock, Arkansas is the recycler and here is their website: www.deltaplastics.com

Smith arrived at 8:40 a.m. Smith went over the host fee with the Committee and talked about the graph in their packet. On the graph you can see how host fees peaked and now are flat. Smith explained that there is a different business climate and the construction of businesses started to decline in 2008. Waste Management's business plan has changed. Market shifts have impacted the waste business and they are at the bottom, but not at rock bottom. A lot the pricing is still at the 80's

prices and has not increased.

They use vehicle shredder fluff for the landfill cover instead of clay or soil. The fluff falls into the crack of the landfill, but the soil stays on the top. Shredder fluff is down because of vehicle hoarders waiting for the steel market to go up. The company they use to get the fluff from now sends it to Iowa to be recycled again to get all the metals out. Alter Metals is the name of the business that recycles the fluff. Badgerland is a new startup trash hauler and they use the landfill in Janesville. Smith said the landfill is down 12% on revenue and Klotz said he will reflect this in the 2018 budget. Smith said he hope that the business will get better. Smith said he is trying to get a new daily cover.

Smith explained that a condition in the landfill agreement says that they have to screen the landfill from public view of I-94. They did have a consultant do a traffic study of I-94, but the DNR still wanted the site screened. They complied with the DNR request so they wouldn't be non-complainant with DNR regulations. Smith had no complaints before the screening and hadn't had any complaints after the screening.

10. Discussion with Possible Action-Jefferson County Debris Management with Donna Haugom

a. Possible Debris sites for FEMA to approve.

Haugom is trying to get on the Monday, April 24th Towns Association to present the information on debris management. Haugom would also like Committee members to attend, to support debris management and planning. Klotz said the reason we are involved is because FEMA has to approve the collection sites for debris events that happen in the County. If the Towns have simple plans that is helpful. Schultz said they would pick up the debris in the city in case of an event. They would also help separate for proper disposal in accordance of FEMA regulations.

b. Changes or Updates to the Jefferson County Debris Management Plan None were discussed.

11. Discussion with Possible Action-Clean Sweep for 2017

a. Work Schedule for the April 7th & April 8th Clean Sweeps.
Work schedule for April 7 & 8– John Ehrhardt tire collections, Payne tire cash box, two men from sheriff's jail for tires, Reese Clean Sweep cash box – Patrick receipts both days - Kutz receipts both days and Lund receipts on Saturday.

b. End of Years totals for 2016
Summary in Committee's packet. No further discussion.

c. Final Grant Total for 2016 and DATCP Grant for 2017
2017 grant totals: Household \$10,500, Ag \$4,130 and Drugs \$1,900 for a total of \$16,530.
2016 grant totals received: Drugs \$3,500 and Ag & Household \$19,054.25 for a total of \$22,554.25.

Heal agreed with Klotz that the grants have been going down every year. He said that more and more people are applying for grants. Some counties haven't had a Clean Sweep in years because they don't have enough funds. Heal also commented that Jefferson County runs a great program. Veolia likes that we do a Friday and Saturday; it helps cut costs.

d. Donation Updates

The donation amount is the same from the first of the year, \$2,100. Klotz and Reese explained that the City of Watertown donates \$20,000 every year for the County's Clean Sweep program. Heal left at this point.

Ehrhardt asked Rick if she could refer Rock Lake Painter to Rick for the disposal of latex paint. Rick said yes.

12. Discussion with Possible Action-Master Gardeners

a. Compost Bins – Delivery – April 12-13
The bins should be arriving between April 12 and 13. Kevin Weismann will be storing them in one of the Parks buildings.

b. Master Gardeners Request for 12 Bins
We are donating 12 bins to the Master Gardeners for school and community gardens. Fort Health Care is also supporting the Master Gardeners so the Gardeners can educate the residents and students on healthy eating which bring a healthier life style.

c. Master Gardeners Display at the Fair

The Master Gardeners will have a display at the Fair and will encourage Fair- goers to stop at our County booth so they can sign up for a free compost bin or party pop-up pack.

13. Discussion with Possible Action - Jefferson County School Garden Summit 2017: Upham

Hall at UW-Whitewater, Thursday, March 9th – 3:00 p.m. Registration & Networking – 4:00 – 7:00 p.m. Program

Reese and Ehrhardt went to the summit and our display was well received. Even though most of the people were gardeners,

master gardeners, and school gardeners they took drug posters to hang in their schools and businesses. Reese said the gardeners were very concerned about drugs getting into the water streams. It was a good summit.

14. Discussion with Possible Action-Heroin Program Jefferson High School-Tuesday, March 28, 2017 6:00 p.m. Resource Fair – 6:30 – 8:30 p.m. Program

Reese and Ehrhardt went to the Heroin Program at Jefferson High School and lots of people stopped at the display and took drug posters to hang at schools and businesses. Reese and Ehrhardt stayed for the program and found it to be very moving and informational. The family and presenters didn't mince words, but told the truths and consequences. Reese said it was something you didn't forget and most people at times had tears in their eyes. After the program a few more people stop at our display. We had a request for 300 drug flyers for folders they would be handing out at the Watertown Heroin Program - the same number we give to the Jefferson program.

15. Discussion with Possible Action-Update on Drug Collections and Posters

a. Additional Printing, Laminating and Distribution Costs

Costs since January: Printing \$990.00 and laminating \$334.90. We will be printing more for requests or presentations.

b. Drug News Release

Klotz put a drug news release together that was sent out to all the newspapers. This news release was included in the Committee's packet.

c. Media Pickups: Channel 4-Milwaukee and Product Stewardship Institute, Inc. – Boston

The drug news release was highlighted on Channel 4 news and the Product Stewardship Institute asked if they could put it on all their social media sites and of course we said yes. The DNR asked Ehrhardt to do a summary on how Jefferson County gets the message out on recycling drugs. They want to know now we do it with very little funds.

16. Jefferson County Fair Booth – July 12-16

We will have a display at the Jefferson County Fair Booth. Ehrhardt is working with Veterans Service Office and Haugom-Emergency Management and the County Board Chair-Jim Schroeder to put the booth together. The display needs some repairs and she will work with Yvonne Duesterhoef on getting these done before the Fair. Ehrhardt hasn't bought the spinning wheel. Klotz explained that when we went to the Master Gardeners meeting they said the bigger the spinning wheel the better so it is more visible to the public. Ehrhardt also explained that last year she gave out candy prizes when kids played the recycling game and asked if it was ok with the committee to do candy again. The Committee said candy works. Ehrhardt will need the support of the Committee for the County Booth and the Solid Waste display. Patrick said he took vacation that week so he could be at the Jefferson County Fair booth and help with the Solid Waste display.

17. Discussion with Possible Action – Ehrhardt Summary on the 2017 WIRMC Conference

The WIRMC summary was included in the Committee's packet. The most interesting sessions were Liberty Tire and the markets updates. The markets that are doing well right now are the cardboard and mixed paper recycling. The reason for the cardboard recycling raise is due to demand from Amazon and other online sales because of their cardboard shipping packages. There is a need for glass recycling. The glass companies get mixed glass from MRFs, but often have contaminated products mixed in the glass. Schultz said he is working with John's to use glass with their gravel. John's will crush it into small particles. Schultz said they are also close to recycling furniture along with the mattresses. Y's Way Flooring will be moving to a new location and the carpet recycling will be set up at the new location. The amount of electronics being recycled has lessened since they brought the electronics inside the site and limited it to only Watertown residents. Schultz said that URT is holding their prices the same for Watertown.

18. Upcoming Meeting Dates and Possible Agenda Items.

Next meeting will be June 16, 2017. We will discuss work schedules at the Fair.

19. Adjourn

Motion made by Patrick at 9:30 a.m. to adjourn the meeting and Lund seconded the motion.
Motion carried 5-0.

A Quorum of any Jefferson County Committee, Board, Commission or other body, including the Jefferson County Board of Supervisors, may be present at this meeting.

INDIVIDUALS REQUIRING SPECIAL ACCOMMODATIONS FOR ATTENDANCE AT THE MEETING SHOULD CONTACT THE COUNTY ADMINISTRATOR 24 HOURS PRIOR TO THE MEETING AT 920-674-7101 SO APPROPRIATE ARRANGEMENTS CAN BE MADE.

SOLID WASTE/AIR QUALITY COMMITTEE

Clean Sweep Summary

April 7 & 8, 2017

Committee Members Present: Donald Reese-Chair, Gregg Patrick -Vice Chair, Laura Payne-Secretary, Kirk Lund and Gary Kutz

Staff: Sharon Ehrhardt, Rob Klotz and Matt Zangl

Volunteers: Karen Kutz and John Ehrhardt

Veolia Environmental Services: Friday: Team Leader Ken Gruennert, Ryan Kais, Zach Davis, Kahvyn Zaire, Nick Bach, John Mueller, Grant Witte and Dennis Smith.

Saturday: Team Leader Ken Gruennert, Ryan Kais, Zach Davis, Kahvyn Zaire, Dennis Smith and Paul Meer.

No meeting was called to order or business conducted on April 7 & 8, 2017 Clean Sweep events at the Jefferson County Fair Park, 503 N. Jackson Avenue, Jefferson, WI 53549

1. Clean Sweep Event Operation

A. Place: Jefferson County Fair Park, 503 N. Jackson Avenue, Jefferson, WI

Directions: Facility located at the Jefferson County Fair Park, 3 ½ blocks north of W. Racine Street (US Highway 18) on N. Jackson Avenue and 4 ½ blocks west of Main Street (State Road 26) on W. Puerner Street.

B. Time: The staff, Solid Waste/Air Quality Committee and volunteers arrival times:
2:15 p.m. on Friday, April 7, 2017
7:30 a.m. on Saturday, April 8, 2017
All volunteers need to sign in.

C. Tires: We collected tires on both days. The location for the tire disposal was at the Cleary Building by Gate 3. 31 residents brought 8.26 ton of tires (over 800 tires). The total fee we collected for disposal from residents was \$2,039.00. Liberty Tire Recycling invoiced us \$1,630.52. The difference is \$408.48.

D. Safety Meeting:
Veolia Project Manager Ken Gruennert conducted a safety meeting for all Committee members, staff, and volunteers on Friday at 2:15 p.m. and on Saturday at 7:30 a.m. He explained the safety procedures that need to be followed at a Clean Sweep event. After he was done, Sharon explained the jobs to the volunteers and Committee members; jobs then were assigned.

E. Dress Requirements:
Dress requirements are no sandals, open toed shoes or shorts. Dress appropriately for weather conditions.

Everything was in place at least 15 minutes before starting time each day and we immediately started putting cars through the event. At this time we already had two businesses and two farms in line.

The results of our Clean Sweep event:

238 Jefferson County Clean Sweep Participants which included:
150 households, 33 farms, 4 businesses, 2 county facilities and 49 that were not surveyed.
31 residents participated in the tire recycling: 16 just brought tires/15 participated with tires and Clean Sweep. Most of the residents who brought tires did not register.

The 4 businesses were:

JW Schultz Construction – Fort Atkinson
Dr. Loof – Sullivan Vet Clinic
Cloute Inc. – Fort Atkinson
Rock Lake Paint & Repair – Lake Mills

These county facilities used Clean Sweep:

Jefferson County Fair Park
Jefferson County Parks

We received \$5 in donations.

The cost of the Household Waste was \$21,168.70, Pharmaceutical Waste None, County Facilities \$819.12, Ag Waste \$9,956.90 for a total of \$31,944.72

The total pounds of Household Waste was 19,221#, Ag Waste was 7882# and VSQG waste was 211# for a total of 29,214 pounds

Attached is the Survey worksheet for 162 residents:

We will be discussing Clean Sweep at our next Solid Waste meeting June 16, 2017.

8. Adjourn

The Clean Sweep ended at 10:30 p.m. Veolia left the site at 3:00 p.m.

Communities: Total 153

Towns		Towns		Villages	
Aztalan	7	Palmyra	1	Cambridge	0
Clyman	0	Sullivan	4	Clyman	0
Cold Spring	1	Summer	2	Johnson Creek	4
Concord	4	Waterloo	2	Lac La Belle	0
Farmington	13	Watertown	0	Palmyra	3
Hebron	3	Cities		Sullivan	1
Ixonia	3	Fort Atkinson	24		
Jefferson	13	Jefferson	18		
Koshkonong	7	Lake Mills	13		
Lake Mills	5	Waterloo	3		
Milford	6	Watertown	16		
Oakland	8	Whitewater	2		

Farms 33 Households 149 Business 5 County Facilities 2

Type of Farms: (8)Crop, (4)Crop/Beef, (7)Dairy/Crop,

(1)Beef/Chicken/Pigs/Ducks/Crop, (1)Bee/Hog/Crop, (5)Hobby, (1)Hog,

(1)Pigeon, (1)Game Farm, (1)Sheep, (2)Dairy/Donkey/Horse,

(1)Product/Flower/Fruit,

Tires26

Newspaper/Flyer 52 Pharmacy 0 Cable TV 0 Radio 4 Internet 29

Facebook 3 Town/City/Village 7 Courthouse 5 Word of Mouth 1

Relative/Friend/Neighbor 17 Police/Fire Depts. 0 Know (Participated

Before 36 Other 13

Used Service Before

Yes 92

No 70

Brought Light Bulbs

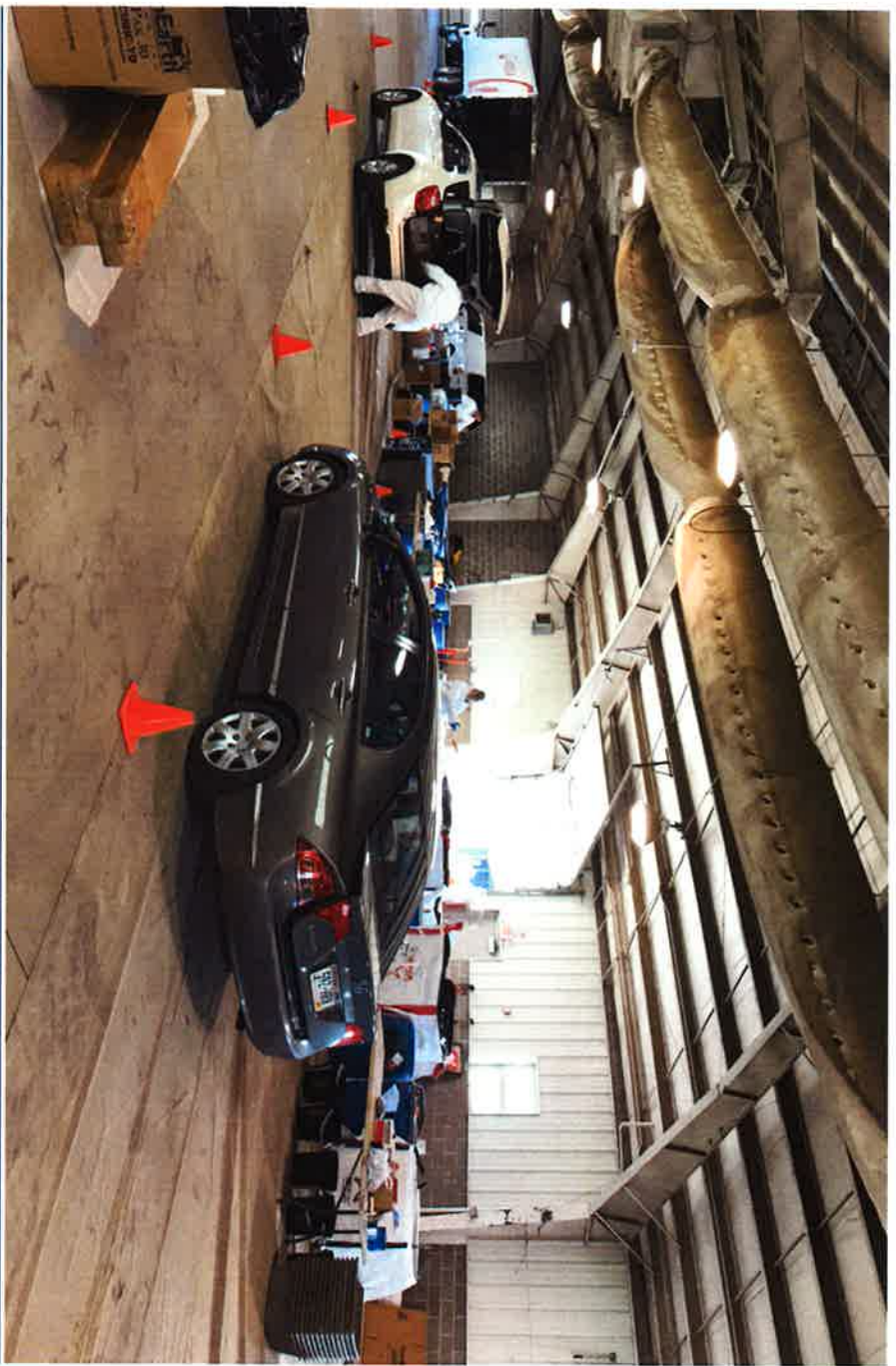
Yes 77

No 85

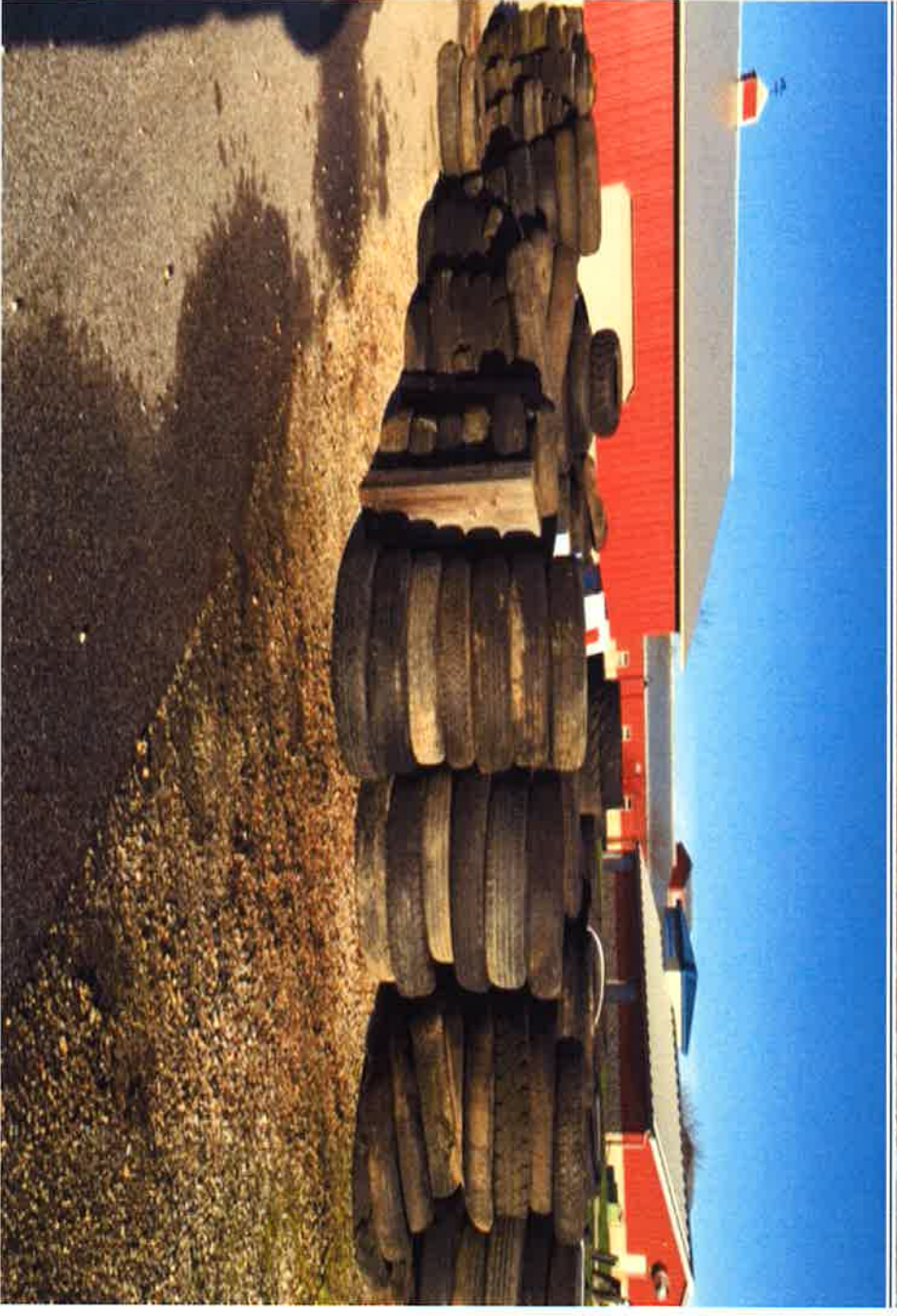
Brought Batteries

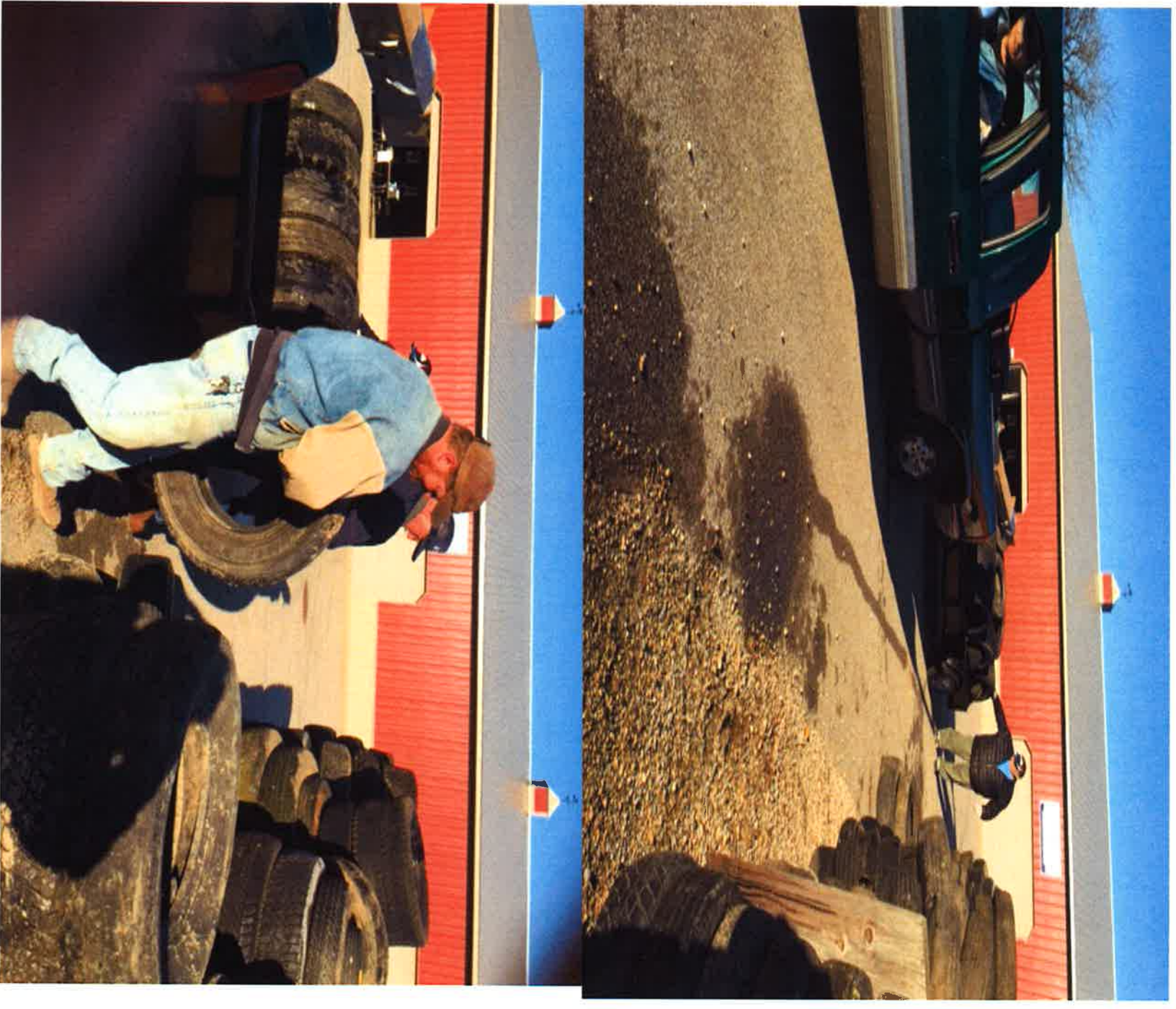
Yes 69

No 93











Jefferson County

Solid Waste/Air Quality Committee

Summary

Town Association Meeting

Monday, April 24, 2017 – Time: 7:00 - 9 p.m.

Waterloo Town Hall

N8193 State Road 89, Waterloo, WI 53594

Members who attended: Don Reese–Chair and Laura Payne-Secretary

Staff who attended: Sharon Ehrhardt and Matt Zangl

1. Town Association Meeting

A. Place: Waterloo Town Hall, N8193 State Road 89, Waterloo, WI 53549

Directions: Facility located on State Road 89 on the west side of the road.

B. Time: 7 p.m.

C. Attending to support Clean Sweep Programs, Drug Take-back Program, Recycling Events and Debris Management future locations.

Ehrhardt introduced Matt Zangl from Zoning, Don Reese and Laura Payne from the Solid Waste/Air Quality Committee who were in attendance to support the Clean Sweep and Recycling Programs and FEMA Debris management plans.

Ehrhardt presented information to the Towns Association on our new initiative to educate the residents on proper drug disposal. We told the Towns that we updated our posters and did a news release to all the media contacts in Jefferson County, Madison, Janesville and Milwaukee. Ehrhardt also brought packets with posters and flyers for the Drug Collections, Clean Sweeps and Recycling Events for all the Towns. Reese spoke to the group about the Heroin Program that he and Ehrhardt attended and how moving it was and how there were very few dry eyes among the 300 attendees. Ehrhardt said that if anyone had an opportunity to attend a Heroin Program they should go because it enlightens you about the drug programs and how drug abuse affects families, communities and how easily you can become a victim of drug abuse.

Ehrhardt reminded the Towns about the Recycling event on Saturday, June 24, 2017 at the Jefferson County Fair Park between 9-11 a.m. At that event we will be taking electronics, appliances and lawn equipment. We need the Towns support to get the word out, so more residents know where to bring their items and not put them in the town and county ditches. We will be charging for TVs, flat screens and monitors; the rest of the items can be brought at no charge with an unlimited amount.

Donna Haugom- Emergency Management couldn't attend the meeting so Ehrhardt explained why it is important for Towns to have a Debris Management Plan. Without a plan it could cost them FEMA dollars or reduce the help available for recovery from a major debris event. Reese, who has taken the FEMA Debris Management course supported Ehrhardt on the importance of having a simple plan in place and think about where the debris could be brought

for separation in your Town. Ehrhardt asked, if Haugom put together a training program for Debris Management would Towns be interested in attending and the response was with the majority saying yes.

Gimler asked Zangl if he had anything to report from the Zoning Department and Zangl replied no. Zangl stated to everyone in attendance that the Zoning door is always open to anyone who had questions, zoning problems or violations.

D. Adjourn

The meeting was adjourned at 8:15 p.m.

A Quorum of any Jefferson County Committee, Board, Commission or other body, including the Jefferson County Board of Supervisors, may be present at this meeting.

This is a Towns Association Meeting no Solid Waste/Air Quality Committee business will be conducted!

INDIVIDUALS REQUIRING SPECIAL ACCOMMODATIONS FOR ATTENDANCE AT THE MEETING SHOULD CONTACT THE COUNTY ADMINISTRATOR 24 HOURS PRIOR TO THE MEETING AT 920-674-7101 SO APPROPRIATE ARRANGEMENTS CAN BE MADE.



Jefferson County

Solid Waste/Air Quality Committee

Master Gardeners Meeting

Thursday, May 11, 2017 – Time: 6:30 – 8:30 p.m.

UW-Extension - Room 12

864 Collins Road, Jefferson WI 53549

Members Don Reese-Chair, Gregg Patrick-Vice Chair, Laura Payne-Secretary, Kirk Lund and Gary Kutz

Staff: Rob Klotz, Matt Zangl and Sharon Ehrhardt

1. Master Gardeners Meeting

A. Place: UW-Extension – Room 12

Directions: Facility located on Collins Road.

B. Time: 6:30 p.m.

C. Attending to donate compost bins for the school gardens in Jefferson County.

Ehrhardt and Gary Kutz attended the Master Gardeners meeting on May 11, 2017 to donate 12 compost bins to school and community gardens. Ehrhardt, Kutz and some of the gardeners arrived early to help unload the bins and hand them out to the right people for the school and community gardening project. Everyone was very appreciative of the donation from the Solid Waste/Air Quality Committee. The Master Gardeners also had a photo shoot for a newspaper article.

At the meeting they thanked Ehrhardt and Kutz for the compost bin donation and then asked Ehrhardt to explain the Fair Project and other programs with which the Committee is involved. Ehrhardt thanked the Master Gardeners for supporting their project of compost bin drawings at the fair and their willingness to set up a compost display for fair goes to see. Together we hope this project will be successful in educating residents on how easy composting is and how they can possibly get a free compost bin. There will also be drawings for recycling and trash pop-up party bins.

Ehrhardt told them about the new drug posters we have updated and our trying to do more outreach on drug collection sites. The evening speaker was excited to hear that Jefferson County had collection sites and how we reach out to the community with more education. He came from Walworth County where they have a huge meth problem.

D. Adjourn

Kutz and Ehrhardt left the meeting at 8 p.m. and helped load two more compost bins for the representative from Fort Health Care. She would make sure they got delivered to the right persons.

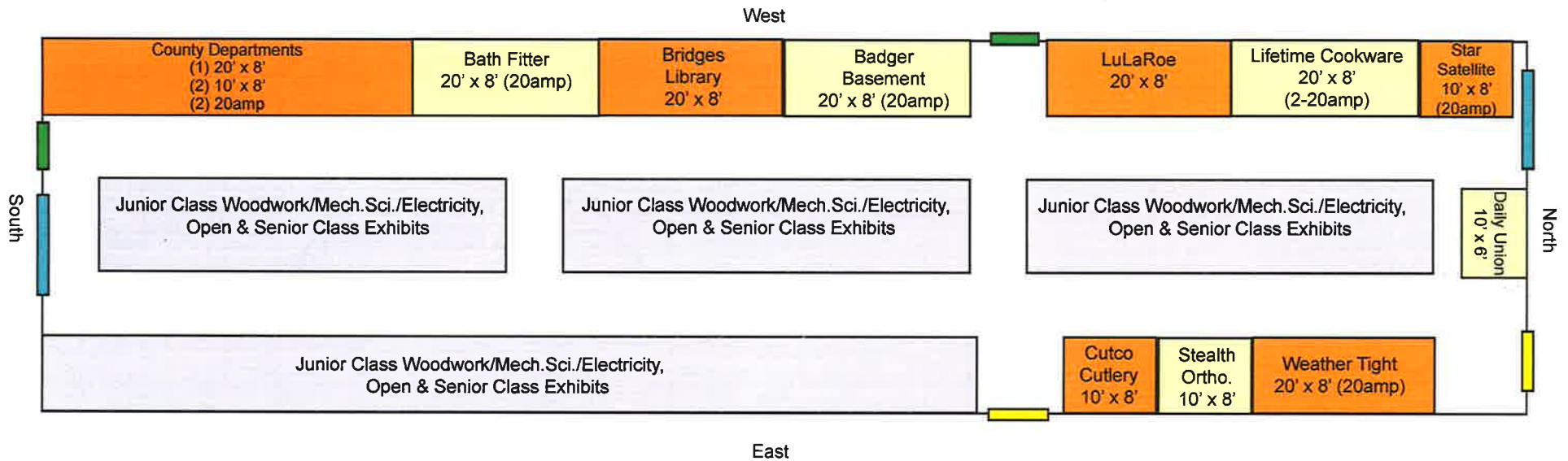
∨ Quorum of any Jefferson County Committee, Board, Commission or other body, including the Jefferson County Board of Supervisors, may be present at this meeting.

This is a Master Gardeners Meeting; no Solid Waste/Air Quality Committee business will be conducted!

INDIVIDUALS REQUIRING SPECIAL ACCOMMODATIONS FOR ATTENDANCE AT THE MEETING SHOULD CONTACT THE COUNTY ADMINISTRATOR 24 HOURS PRIOR TO THE MEETING AT 920-674-7101 SO APPROPRIATE ARRANGEMENTS CAN BE MADE.

West Exhibit Building

40' x 160'



= Overhead Door

= Regular Size Door

= Double Door

= 10' long x 8' deep Vendor Space
can be combined to = 20' x 8'

= Junior Class Woodwork/Mech.Sci./Electricity,
Open & Senior Class Exhibits

Not for public distribution
AL 3/30/17

Improperly Treated Sewage Can Threaten Human Health and the Environment

When septic systems fail, human and environmental health may be compromised.

System failure may be identified by one or more of the following:

- ✓ Sewage backup into the house
- ✓ Sewage surfacing in the yard or a ditch
- ✓ Sewage odors indoors or outdoors
- ✓ High levels of nitrates or coliform bacteria in well water tests
- ✓ Sounding of system alarms
- ✓ Algae blooms and excessive plant growth in nearby ponds or lakes

System failure most commonly results from:

- ✓ Overuse of water in the home
- ✓ Lack of proper maintenance
- ✓ Improper system design or installation



Water Resources Center
Onsite Sewage Treatment Program

UNIVERSITY OF MINNESOTA
Driven to Discover™

Resources

Find more information at:
<http://septic.umn.edu>

To order visit: <http://bookstores.umn.edu> - search for **Septic System**

Our website is full of free information about many of the hot topics around septic systems including-

- Preventing your septic system from freezing
- Landscaping your septic system
- Impact of chemical and cleaners on septic systems
- Seasonal care for septic systems
- Order issues with septic systems

If you are looking for information on a topic and cannot find it please send us an email at septic@umn.edu.

City, Township or County Offices:

Counties-

www.mncounties.org/About_Counties/county_websites.html

Cities-

www.lmnc.org/page/1/city-directory.jsp

Townships-

www.mntownships.org/ (under links)

Regional or State Offices:

- Minnesota Pollution Control Agency, (800) 657-3864
www.pca.state.mn.us
- Minnesota Department of Health, (888) 345-0823
www.health.state.mn.us

Other Assistance:

- Contact a Licensed/Bonded septic system professional
www.pca.state.mn.us/ssts-licensing.html

Taking Care of Your Septic System

Management Basics

More than 30 percent of Minnesota's households use septic systems (onsite sewage treatment systems) to treat their wastewater.

Septic systems protect human health and the environment by safely recycling wastewater back into the environment.

While government regulation ensures proper design and installation of permitted septic systems, *you* are responsible for properly operating and maintaining your septic system to protect the public's health and the environment.



Know Your Septic System — Components, Functions and Best Management Practices

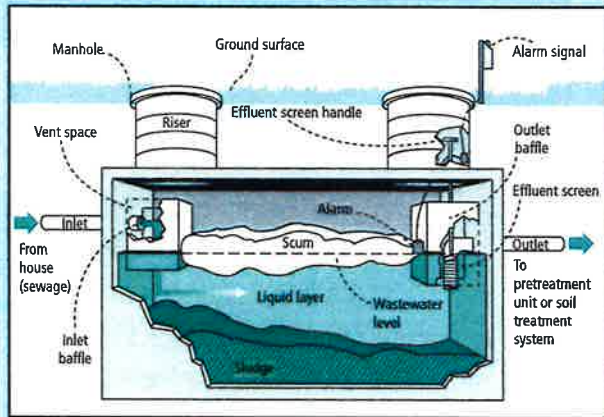
Household Plumbing

Functions

- Transports used water to septic system.
- Delivers wastewater to septic tank and soil treatment area.

Best Management Practices

- Control water use—repair leaks, use low-water-use appliances and fixtures.
- Don't overload the system—spread water usage throughout the day and week.
- Minimize use of harsh cleaners, bleach, antibacterial soaps and detergents.
- Do not dispose of paints, medications, or chemicals through your septic system.
- Keep grease, lint, food, feminine hygiene and plastic products out of your septic system.



Septic Tank

Functions

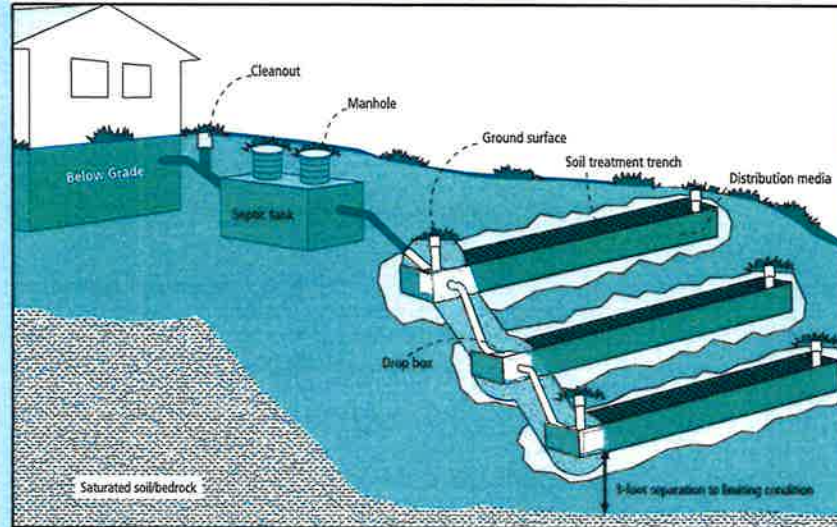
- Separates solids from liquid.
- Allows friendly bacteria to decompose organic solids.
- Stores solids until removed by pumping.
- Delivers liquid to soil treatment area.

Best Management Practices

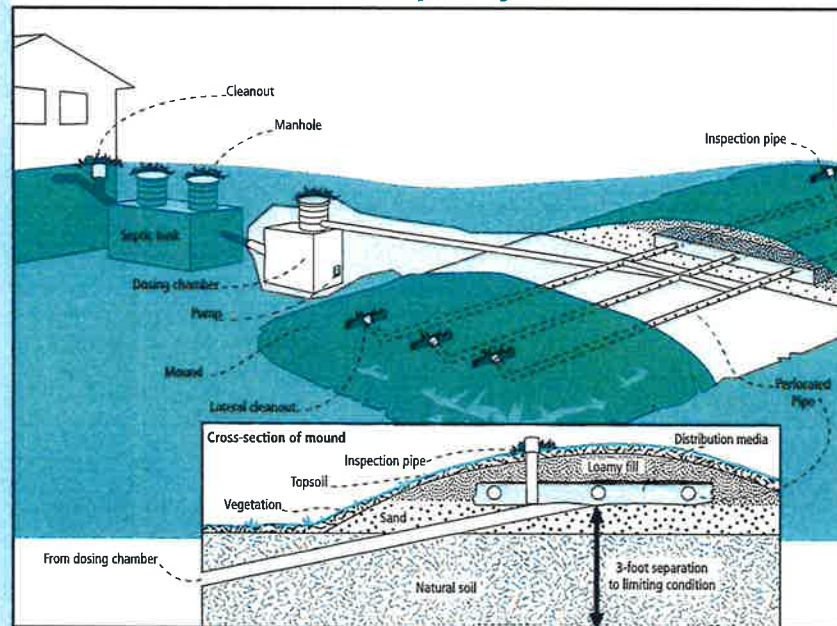
- Never enter the septic tank.
- Pump/clean solids from tank's manhole (not inspection pipes) regularly.
- Have baffles inspected at time of cleaning.
- Install and insulate risers to manhole access.
- Identify whether your tank has an effluent screen, and service as necessary.
- Do not use septic tank additives or cleaners.

Household wastewater contains bacteria, viruses, nutrients, solids, and cleaners that need to be treated by your onsite sewage treatment system!

Trench Septic System



Mound Septic System



Soil Treatment System

Functions

- Removes bacteria, viruses, and other disease-causing organisms.
- Removes phosphorus.
- Reduces nitrogen content.
- Recycles water and nutrients through evaporation, plant uptake and groundwater recharge.

Best Management Practices

- Maintain vegetative cover (turf grass, native grasses or flowers). Mow, but do not fertilize, water, or burn.
- Keep heavy vehicles off area (cars, tractors, snowmobiles, etc.).
- Do not plant trees, shrubs or deep rooted plants on or close to this area.
- Do not grow vegetables or situate play areas above soil treatment area.
- Help prevent system freezing:
 - Inspect for cracked or missing inspection pipe covers annually.
 - Place mulch, straw or other insulating cover above soil treatment area for winter.
 - Maintain normal daily water use over the course of the winter.
 - Consider insulating cold air access points.
 - If you are gone for extended periods, arrange for someone to use water in your home or have your tank pumped.

To order the Septic System Owner's Guide. Call (800) 322-8642 or email septic@umn.edu.

<http://septic.umn.edu>