

Implementing the Plum Creek Watershed Protection Plan



TSSWCB Regional Watershed
Coordination Steering Committee
Meeting June 4, 2009

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Improving Lives. Improving Texas.

Plum Creek Implementation

- TSSWCB 319 Proposal for outreach and education, project facilitation, Agricultural practices and Feral Hog Management Education
- City of Kyle's TCEQ 319 Implementation Proposal 2008
- Cities of Lockhart and Luling applied for TCEQ 319 Funds this year.



Update on TSSWCB 319 Agricultural and Feral Hog Implementation Proposal

- Implementation of voluntary Water Quality Management Plans on agricultural lands through local Soil and Water Conservation Districts
- Recently hired technician to work with landowners and manage the cost share program
- Continued coordination and facilitation of implementation in the watershed by Extension for 3 additional years



Agricultural and Feral Hog Implementation Proposal

- Recently hired Chancey Lewis as the Wildlife Extension position in the watershed to coordinate with private management efforts by landowners themselves
- Development and distribution of educational materials and cooperation with planned feral hog management workshops
- Utilize online feral hog reporting system to work with landowners



City of Kyle TCEQ 319 Implementation Proposal

- Retrofit Detention Facilities at Steeplechase and Plum Creek Subdivisions
- Storm Sewer Marking and Education Program
- Stormwater Mapping and Control Plan
- Dog Waste Collection Stations and Education
- Street Sweeping Program was initiated
- Continue conducting trash clean-up day on Plum Creek at Steeplechase Park
- Water quality monitoring, data collection and validation – E.coli and nutrients



City of Lockhart TCEQ 319 Implementation Proposal

- Storm Sewer Marking and Education Program
- Stormwater System Assessment Mapping & Control Plan
- Dog Waste Collection Stations and Education
- Street Sweeping Program was initiated
- Continue conducting trash clean-up day on Plum Creek at Steeplechase Park



City of Luling TCEQ 319 Implementation Proposal

- Retrofit Detention Facilities at Steeplechase and Plum Creek Subdivisions
- Storm Sewer Marking and Education Program
- Stormwater Mapping and Control Plan
- Dog Waste Collection Stations and Education
- Street Sweeping Program was initiated
- Continue conducting trash clean-up day on Plum Creek at Steeplechase Park
- Water quality monitoring, data collection and validation – E.coli and nutrients



Outreach and Education 106 Funding

- Received \$150,000 in September 2007 from a TCEQ Clean Water Act 106 Grant
 - Watershed Protection Campaign Brochure
 - 2 NEMO – Urban Growth Workshops
 - 4 Online Modules- Wastewaters Treatment Plants; OSSFs; Stormwater Mgmt; and Fats, Oils, and Grease
 - Septic System Workshops
 - Illegal Dumping/Litter Campaign
 - TCEQ Fats, Oils, and Grease Workshops and Site Assessment Visits

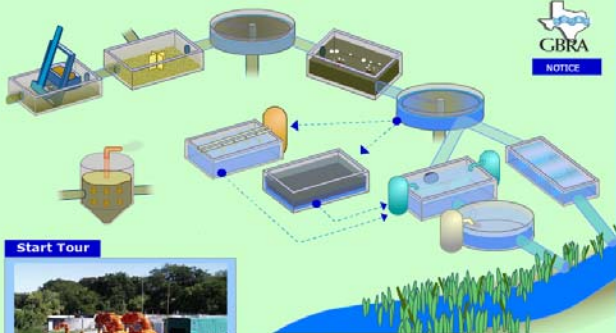


Online Educational Module Wastewater

wastewater-treatment.swf (application/x-shockwave-flash Object) - Mozilla Firefox


http://www.gbra.org/wastewater-treatment.swf

Wastewater Treatment



The diagram illustrates the wastewater treatment process. It shows a sequence of components: a pump station, aeration tanks, secondary clarifiers, and a final clarifier. Arrows indicate the flow of wastewater through these stages. A 'Start Tour' button is located below the diagram. The GBRA logo and a 'NOTICE' box are also present.

Start Tour




Roll over each of the images above to find out what it is, and click on it to get a detailed description. Click on the "start tour" button to run the show from the beginning.

OSSF Online Educational Module

septic11.swf (application/x-shockwave-flash Object) - Mozilla Firefox

http://home.grandecom.net/~scottr/septic11.swf

HOW A SEPTIC SYSTEM WORKS



The diagram shows a cross-section of a house with various rooms and their wastewater sources. The rooms are labeled: Bedroom, Bathroom, Kitchen, Half Bath, and Laundry. The Bathroom contains a Toilet, Sink, and Shower/Tub. The Kitchen contains a Dishwasher and Kitchen Sink. The Half Bath contains a Toilet and Sink. The Laundry room contains a Clothes Washer. A 'Piping' label is at the bottom of the house diagram. A 'To Septic Tank' button is located at the bottom right of the house diagram.

Wastewater Source (House)

The source of wastewater is the domestic water used in homes, schools or businesses that the treatment system serves. Domestic wastewater is water discharged from plumbing fixtures, appliances, toilets, baths, laundry and the dishwasher. Wastewater is typically 99.9% liquid.

Click on the home water applications to learn their uses and misuses.

Overview

To Septic Tank

OSSF Online Educational Module

septic11.swf (application/x-shockwave-flash Object) - Mozilla Firefox

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http://home.grandecom.net/~scott/septic11.swf

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HOW A SEPTIC SYSTEM WORKS

TCO CBRA AgriLIFE EXTENSION

To House

Conventional Septic System Pretreatment

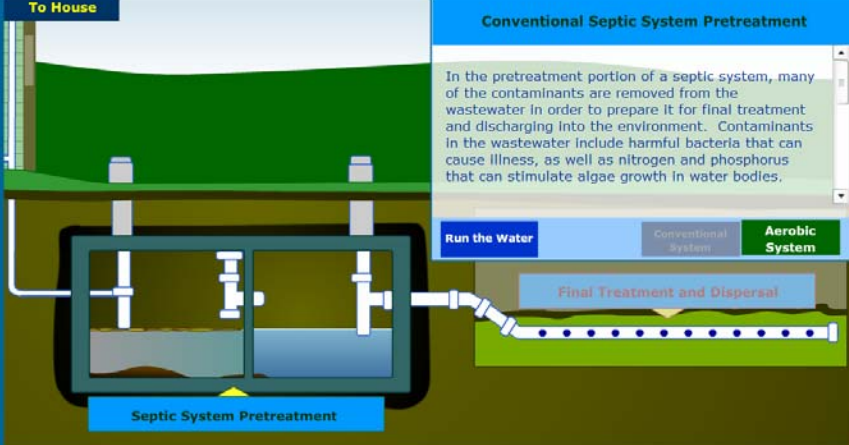
In the pretreatment portion of a septic system, many of the contaminants are removed from the wastewater in order to prepare it for final treatment and discharging into the environment. Contaminants in the wastewater include harmful bacteria that can cause illness, as well as nitrogen and phosphorus that can stimulate algae growth in water bodies.

Run the Water

Conventional System **Aerobic System**

Septic System Pretreatment

Final Treatment and Dispersal



OSSF Online Educational Module

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HOW A SEPTIC SYSTEM WORKS

TCO CBRA AgriLIFE EXTENSION

To House

Aerobic Septic System

Run the Water

Conventional System **Aerobic System**

Rules That Apply to Aerobic Septic Systems

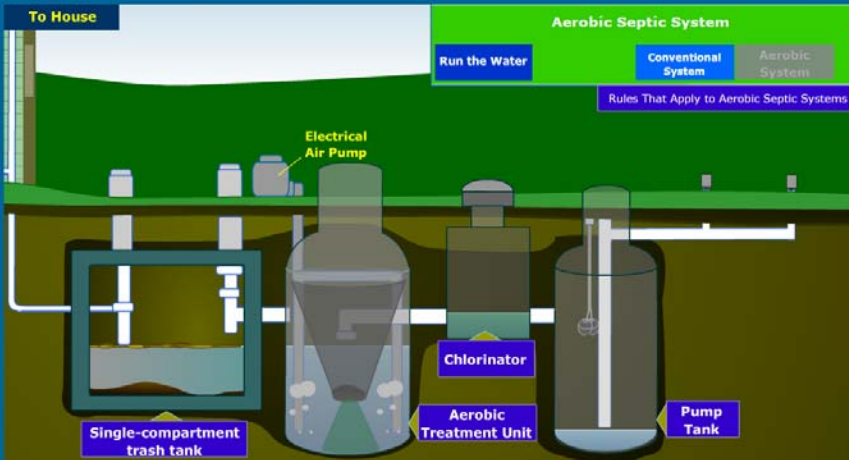
Electrical Air Pump

Single-compartment trash tank

Chlorinator

Aerobic Treatment Unit

Pump Tank



Onsite Wastewater Treatment System Workshops by Bruce Lesikar

- May 28, Onsite Wastewater Treatment Systems 201 Workshop was held for practitioners in Lockhart (48)
- May 27, Homeowner Maintenance of Aerobic Treatment Systems Workshop was held at the Hays County AgriLife Extension Office in San Marcos for 35 homeowners.
- June 23, Homeowner Maintenance of Septic Systems Workshop will be held at the Hays County AgriLife Extension Office in San Marcos
- June 24, Homeowner Maintenance of Aerobic Treatment Systems Workshop will be held at the Caldwell County AgriLife Extension Office in Lockhart
- July 28-30, three day Train the Trainer workshop in San Marcos.



Outreach and Education

- Water Education Continuing in the Schools in the watershed.
- Lockhart Town Branch Community Cleanup and environmental fair had over 400 participants
- Kyle Plum Creek Watershed Cleanup Event with an estimated 485 volunteers over the two day period
- Representing PCWP on Technical Advisory Groups for Central Texas Greenprint for Growth Project and the Caldwell Co. Water & Wastewater Planning Study



Lockhart and Kyle Cleanup & Environmental Fairs



Urban Sector Turf & Landscape Management

- Jim McAfee, Extension Specialist at the Dallas Urban Center will be providing a SAFE Training for those in the Plum Creek Watershed on March 25th, 2009.
- SAFE includes morning indoors instruction and then an afternoon field irrigation audit with almost 50 participants.

PCWP Steering Committee Meeting

Thursday, August 13, 2009

6:00 to 9:00 pm



Thanks!

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