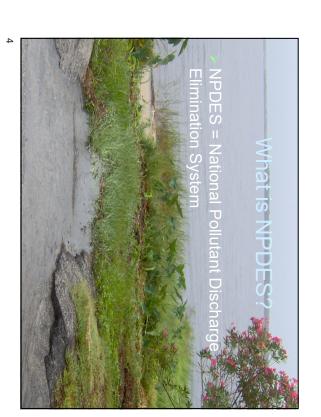
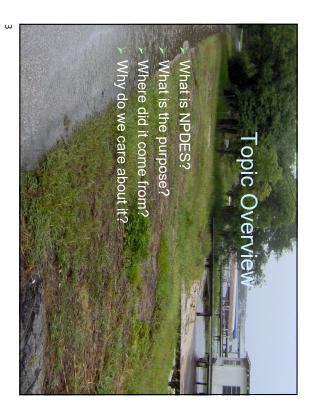


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Public Education and Outreach

- Part of the Public Education and Outreach portion of the City's NPDES Permit
- Florida Department of Environmental Protection (FDEP)





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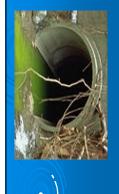


Where did it come from?

- The NPDES program was established by the EPA in 1972- Clean Water Act.
- Phase I Permitting 1990 (industrial use sites, large construction sites, large municipalities)
- Phase II Permitting 1999 (everyone else)
- EPA delegated their permitting authority to FDEP 2000
- City of Minneola Permitted in August 2004

Why We Care?

- Comply with permit through Florida Department of Environmental Protection Agency (FDEP)
- Most of us live near drainage systems which eventually discharge into ponds, lakes, rivers and streams.
- Improving our waters benefit us health wise and cost wise.
- Right Thing to Do



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Common Household Hazardous Waste

- Many households contain potentially harmful chemicals
- shampoo, spot removers, oven cleaners deodorizers, ammonia, paint, varnish, freeze, gasoline, herbicides, insecticides, pet Examples: Household cleaners, motor oil, antipool chemicals, etc..
- Keep them out of the drainage systems.



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Environmental Friendly Substitutes -Household Hazardous Waste-

- Chose those product carefully (less hazardous) and become less dependent-Use preferably environmental friendly substitute products.
- A label is generally added to Environmental friendly products.
- Keep foreign materials out of drainage systems



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Proper Disposal Methods

- Regular curbside pick up for non-hazardous material
- Household Hazardous material disposal location- 13130 County Landfill Road, CR 561. 352-343-3776. Monday-Saturday, 8am-5pm.
- call FDEP or visit website at www.fdep.org
- Do not dispose any trash in storm drains
- City has adopted ordinance making it unlawful to stormwater management system deposit non stormwater materials in the

Avoiding Polluting our Water -Recycling-

- Recycle.
- Reducing volume of trash en route to landfills, reduces amount entering drainage infrastructure.
- Good common sense practice in general, minimize waste, etc.
- Keep recycle bin off of the top of curb inlets, prevent recyclables from entering drainage system



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Step drainage system. Step 3 – mpacts Avoiding Polluting our Water cipe for algal bloom: -Lawn and Garden-Over fertilize Over water. Excess washes right into Negative ecological

Avoiding Polluting our Water -Lawn and Garden-



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Avoiding Polluting our Water -Lawn and Garden-

Use environmental friendly fertilizers — (Refer to "Florida Yards and Neighborhoods")

- Minimize the phosphorous content (4% or less, Florida Yards & Neighborhoods)
- Some municipalities prevent P altogether
- ≥ 35 % of Nitrogen In slow release form
- Minimize use of fertilizer -runoff of-lawn

Avoiding Polluting our Water -Boat Owners-

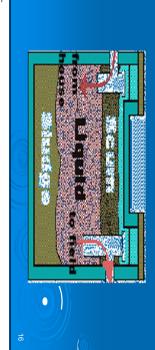
- Do not litter. Retrieve litter found in water.
- Use a bilge pillow or an oil absorbing sponge in your bilge to remove oil.
- gas or oil. Regularly check your engine to see if it is leaking
- Clean your boat to avoid toxic polishes or stain removers near the water lines

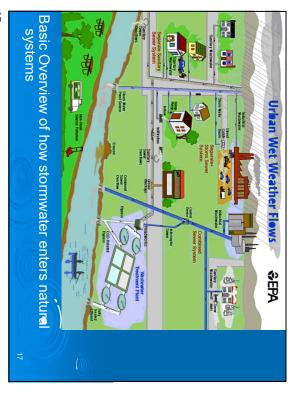


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Avoiding Polluting our Water -Septic System-

Make sure you <u>maintain your septic tank</u> regularly, to make sure there is no leakage into the groundwater.





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10 Action Items for Everyone

- Use fertilizers sparingly. Minimize Phosphorous.
- NEVER DUMP ANYTHING DOWN STORM DRAINS.
- Vegetate Bare Spots in Your Yard
- Compost yard waste if possible.
- Avoid excessive use of pesticides and fertilizers.
- Direct roof downspouts away from paved surfaces.
- Take car to car wash rather than driveway.
- Check car for leaks and recycle motor oil.
- Pick up after your pet.
- Have your septic system regularly maintained.

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References

- FDEP http://www.dep.state.fl.us/ SJRWMD http://sir.state.fl.us/ City of Minneola http://www.ci.minneola.fl.us/conservewater.html Florida Yards and Neighborhoods http://hort.ufl.edurfyn/faq.htm

Handouts:

- 10 Things You Can Do to Prevent Stormwater Pollution
 Pointless Personal Pollution
- After the Storm

FDEP-NPDES contact: <u>Borja.CraneAmores@dep.state.fl.us</u> • 850-245-7520