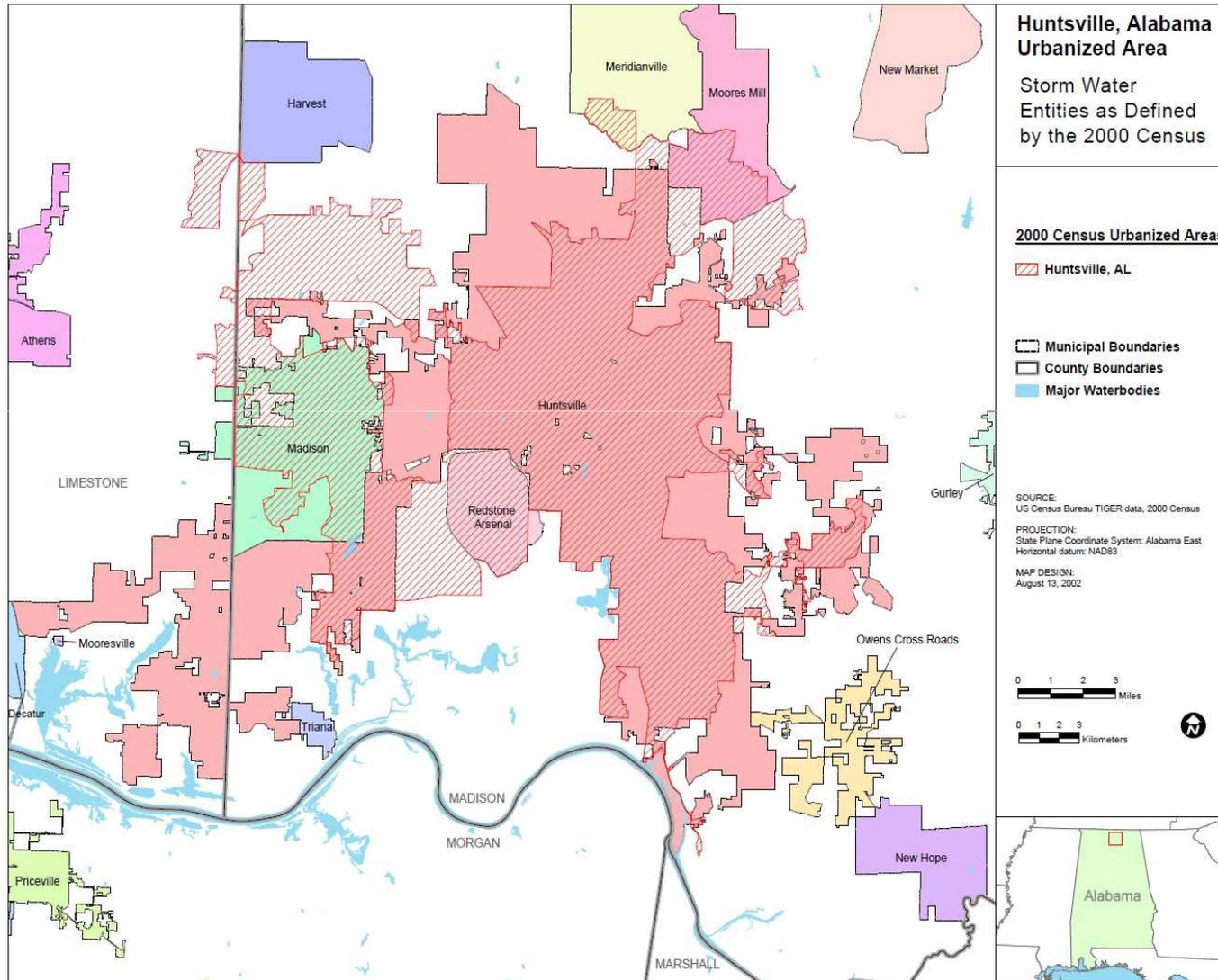


# **Meeting Stormwater Regulations in Rural Madison County**

## ***BECOMING A MS4...***

- The Census Bureau classified portions of Madison County as being in an “urbanized area”
- Madison County was designated as an operator of a small “municipal separate storm sewer system” (MS4) under the Phase II Rules, published in 1999
- Permit coverage was required under the General NPDES Permit No. ALR040000 – the Notice of Intent was due March 2003
- Currently in the 2<sup>nd</sup> permit cycle – began February 2011 and expires January 2016

# OUR COVERAGE AREA...



## RED-HATCHED AREAS IN:

- unincorporated Madison County (shown in white)
- Meridianville
- Moores Mill

# ***WE'VE GOT TO DO WHAT?!***

- Develop, implement and enforce a **Stormwater Management Program (SWMP)** designed to reduce the discharge of pollutants from our MS4 to the maximum extent practicable
- Use **Best Management Practices (BMPs)** to address:
  - Public Education and Outreach on Stormwater Impacts
  - Public Involvement/Participation
  - Illicit Discharge Detection and Elimination (IDDE)
  - Construction Site Stormwater Runoff Control
  - Post-Construction Stormwater Management in New Development and Redevelopment
  - Pollution Prevention/Good Housekeeping for Municipal Operations

***SOUNDS COMPLICATED...***

***BUT HERE WE GO 😊***

- Many local agencies (including county) already had pollution prevention programs in place
- 1<sup>st</sup> step – identify existing programs; determine if they would address any permit requirements
- 2<sup>nd</sup> step – if any of the existing programs were managed by non-county entities, establish/renew partnerships
- 3<sup>rd</sup> step – select additional BMPs to satisfy other permit requirements

## ***OK...WHAT WERE WE ALREADY DOING?***

- Conducting annual Drinking Water Festivals
- Delivering annual Drinking Water Reports
- Participating in local watershed advisory committee meetings
- Reviewing commercial/subdivision site plans
- Inspecting post-construction control measures
- Assuming responsibility for operation/maintenance of post-construction improvements
- Supporting local clean-up projects
- Picking up litter along rural county roads
- Reducing herbicide applications
- Providing recycling programs

# DRINKING WATER FESTIVAL



Used to meet:

**Public Education  
and Outreach**

*Include hands-on activity “Watershed in a Box”  
to teach attending 4<sup>th</sup> graders about  
stormwater impacts and pollution prevention*

# DRINKING WATER REPORT



## 2011 Drinking Water Report

The Madison County Commission is pleased to present to you the 2011 Annual Drinking Water Report. We want to inform you about the excellent water and services delivered to you last year. All information provided in this pamphlet has been collected and reported in accordance with the water quality standards established by the United States Environmental Protection Agency (EPA) and the Alabama Department of Environmental Management (ADEM). This annual report is a requirement of the Safe Drinking Water Act (SDWA), a federal law that sets health and safety standards for public drinking water in the United States. Under the direction of the SDWA, the EPA has established national drinking water standards which limit the amount of certain contaminants in water provided by public water systems. *We are proud to report to you that the Madison County Water Department has never had a contaminant level violation. Your drinking water meets or exceeds all Federal and State requirements.* This brochure is a summary of the quality of water provided to you in 2011. It is an excellent record reflecting the hard work by the Water Department's 52 employees to bring you water that is absolutely safe. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. The Madison County Commission is committed to providing you with information about your water supply and the many necessary improvements being made in the system to maintain the highest drinking water standard. If you have any additional questions or concerns, please contact Harrel Hill at the Madison County Water Department office.



*The Madison County Commission encourages public participation at the Commission Board Meetings. The regularly scheduled meetings occur on the 1st and 3rd Monday and every other Friday of every month. The meetings are held in the Madison County Courthouse, 7th floor, room 701, at 10 am. Please call the county courthouse at 532-3492 for more information.*

**MADISON COUNTY COMMISSION:**  
(lower - left to right) Faye Dyer, District Two; Mike Gillespie, Chairman; Dale Strong, District Four; (upper - left to right) Phil Riddick, District Five; Jerry Craig, District Three; Roger Jones, District One; Bob Harrison, District Six



**Madison County Water Department**  
266 B Shields Road  
Huntsville, Alabama 35811  
(256) 745-2888  
hhill@madisoncountyal.gov  
Office Hours: 7:00 a.m. - 3:30 p.m.



Madison County Water Dept. was already sending these to all water customers (approximately 85,000)

## Used to meet:

- Public Education and Outreach
- Public Involvement/ Participation
- Illicit Discharge Detection and Elimination (IDDE)
- Construction Site Stormwater Runoff Control

# DRINKING WATER REPORT (cont'd)

### SOURCE WATER PROTECTION

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- Determining (or mapping) the Source Water Assessment Area (SWAA) - the area of land that most directly contributes the raw water used for drinking water
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In 2008, the Madison County Water Department updated the source water assessment. Included in the report are a map and description of the Millhead Protection Area, or Source Water Assessment Area, a list of common sources of contamination and the sites associated with them, the inventory of potential sources of contamination within each well's delineated area and their associated susceptibility ranking of high, medium or low as determined for water department personnel and ADEM, and a map of each well's Source Water Assessment Area identifying such potential contamination sources using its identification number and the following color code for highly susceptible, follow for moderately susceptible, and green for non-susceptible. The report can be retrieved, by appointment, at the water department office.

### DRINKING WATER SOURCES

In 2011, the Madison County Water Department used water from an different sources to provide drinking water to its customers. The three primary sources, shown on the map below as wells 1, 2 and 3, are all groundwater sources. Well 1 - **Bo Howard Well (BHW)**, Well 2 - **Hazel Green Well (HGW)**, and Well 3 - **Cross Well (CW)** all draw water from the Tuscaloosa/Fort Payne Aquifer. Two sources are a part of Huntsville Utilities' water system. The Madison County Water Department purchased water from - **Huntsville's Lincoln/Dallas Water Treatment Plant (LDWTP)**, a groundwater source pumping water out of the Tuscaloosa/Fort Payne Aquifer, and from the **South Parkway Water Treatment Plant (SPWTP)**, a surface water source drawing water from the Tennessee River. Also, the Madison County Water Department purchased water from **Harvest/Monrovia Water Authority's Water Treatment Plant (HMWTP)**, a groundwater source pumping water out of the Tuscaloosa/Fort Payne Aquifer.

### Where your water comes from.....

**Bo Howard Area:** The northwest corner of the county is primarily served by the Bo Howard Well. A few locations in the southern part of the Bo Howard Area are supplied by water purchased from the Huntsville Utilities Southwest Water Treatment Plant and the Harvest/Monrovia Water Treatment Plant.

**Hazel Green Area:** The Hazel Green Area is served by the Hazel Green Well.

**Mountain Fork Area:** Water from the Cross Well is treated at the Mountain Fork Water Treatment Facility and serves the New Market, Meridianville, and Mayville areas. During periods of high demand, some water is also supplied from the Bo Howard Well and purchased from the Huntsville Utilities South Parkway and Lincoln/Dallas Water Treatment Plants.

**Poplar Ridge / Old 431 Area:** This area is supplied by water obtained from the Huntsville Utilities South Parkway Water Treatment Plant. The water is purchased from Huntsville Utilities and New Hope.

If still not sure... Please contact the Water Department for more information.

### DO YOU HAVE HOUSEHOLD HAZARDOUS WASTES THAT NEED TO BE DISPOSED OF?

*The Handle With Care Household Hazardous Waste Program gives you a way to dispose of these items safely.*

**How does the program operate?**  
There are two ways to dispose of wastes:

- (1) Bring your materials to the Handle With Care Collection Center at 4190 Lottman Ferry Road in Huntsville. It's located at the Solid Waste Disposal Authority landfill. Hours: 8:00 am to Noon on the first Saturday of each month, or
- (2) If you think you have a particularly dangerous waste, such as explosives, or an unidentified material, call 882-0155, and they will schedule an appointment to pick it up at your home.

**What materials will the center accept?**

- Automotive Products: Transmission fluid, Brake fluid, Air-oil, Car batteries, Used motor oil
- Household Cleaners
- Herbicides, Fungicides & Fertilizers
- Pesticides & Insecticides
- Household Batteries
- Paint & Related Products: Oil or water based, Mineral spirits, Thinners, Solvents & removers, Stains, Antiseptics
- Miscellaneous: Fluorescent chemicals, Pool chemicals, Salts, Acids

This program is for residents only. Please have wastes labeled as such, in original containers.

*If you have any questions about which materials are accepted or how to pack them, please call 882-0155.*

### Water Conservation Tips

- Water your lawn only when necessary. As a general rule, established lawns do not need to be watered more often than every five to seven days.
- Water lawns and gardens early in the morning or at night, when temperatures are lower, and save 20% or more of water typically lost to evaporation.
- Do not allow sprinklers to water your lawn, driveway, or sidewalk.
- Raise the height of your mower so that you are cutting at the highest recommended height. A higher cut encourages grass roots to grow deeper, shades the root system and holds soil moisture better in their closely clipped lawn.
- Avoid over fertilizing your lawn. Fertilizer applications increase the need for water.
- Like mulch around trees and garden beds to retain moisture in the soil.
- Do not use the hose to clean your driveway or sidewalk - use a broom.
- Use a shut-off nozzle on your hose so that the water flows only as needed.
- Do not leave sprinklers on hoses unattended.

### UNUSED WELLS

Wells that are unused and have been improperly decommissioned (abandoned) pose a serious risk to Alabama's groundwater quality. Improperly decommissioned wells, which are often left open to the surface, provide a direct conduit for contaminated surface water to enter groundwater. This can contaminate an individual water supply, as well as the water supplies of some or all of the well owners in an area. The threat of contamination is heightened since surface water can bypass the filtering action of the soil and move directly into groundwater through the well. Excessively high levels of biological and/or chemical contamination can be reached very quickly.

Well owners are sometimes tempted to use abandoned wells to dispose of sewage and/or other wastes. This is NEVER acceptable. It is literally like pouring waste directly into water which you may be using for your drinking water, and the health risks cannot be overstated.

Should you have an unused well that you would like to have decommissioned or you have a well that you feel has been improperly decommissioned and you would like some advice, the following agencies may be of assistance: ADEM, National Resource Conservation Service, The Alabama Soil and Water Conservation District, certified well drillers, and local water departments. Please contact us if we can assist you.

### Clean Water Is Everybody's Business

Polluted runoff is the nation's greatest threat to clean water. Therefore, be mindful of any polluting agent left exposed to water runoff since it has the potential to be picked up by downstream runoff and carried directly to a nearby stream, lake or river. These pollutants can seriously harm water quality and cause harmful effects on drinking water supplies, recreation, fisheries and wildlife.

**Pollution sources include:**

- Excess herbicides, herbicides and insecticides from agricultural lands and residential areas
- Fertilizer, oil, grease and toxic chemicals from urban runoff
- Sediment from improperly managed construction sites, crop and forest lands, and eroding stream banks
- Bacteria and nutrients from livestock, pet wastes and faulty septic systems

**To keep the waterways leaving your home or workplace clean, follow these simple guidelines:**

- Use pesticides and herbicides sparingly
- Repair water leaks
- Dispose of household hazardous waste, used auto fluids (antifreeze, oil, etc.) and batteries at designated collection or recycling locations
- Clean up after your pet
- Use a commercial car wash or wash your car on a lawn or other unpaved surface
- Sweep up yard debris rather than leaving it alone. Compost or recycle yard waste when possible.
- Use paint brushes in a sink, not outdoors. Properly dispose of excess paint through a household hazardous waste collection program
- Sweep up and properly dispose of construction debris like concrete and mortar
- Drive development away from riparian wetlands
- Have your septic tank pumped and system inspected regularly
- Store these guidelines close to you!

For more information:  
**FEDERAL** - U.S. Environmental Protection Agency: [www.epa.gov](http://www.epa.gov)  
**STATE** - Alabama Department of Environmental Management: [www.adem.state.al.us](http://www.adem.state.al.us)  
**MADISON COUNTY** - Public Works Department: [www.madisoncounty.org](http://www.madisoncounty.org)

### WHAT'S NOW TO RECYCLE

Curbside or drop-site service is available to all Madison County residents. For residents within the curbside service area, you will need a recycling bin. BFI will deliver a bin to your residence. Call 532-1513. Have your bin on the curb by 7 a.m. For those outside the curbside service area, recycling items may be dropped off at the nearest drop-site. See the drop-site locations listed below for the one most convenient for you.

**CURBSIDE BINS**  
**PLASTIC:** recycle all #1 and #2 narrow-necked plastic bottles except those that contained poison or oil (rinsed and remove lids and pumps)  
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**NEWSPAPERS:** recycle all newspapers and inserts (no junk mail, brown paper bags or cardboard)  
**MAGAZINES:** recycle all magazines printed on slick, glossy paper (no directories or publications printed on newsprint or other dull paper)  
**HOUSEHOLD DRY CELL BATTERIES:** recycle all household dry-cell batteries from cameras, toys, watches, flashlights, etc. Place in a clear plastic bag BESIDE your bin. (No lead-acid batteries, such as those used in autos, motorcycles, lawn mowers or boats. Call 862-0155 for info on recycling these batteries.)  
**USED MOTOR OIL:** recycle engine oil from your vehicles and lawn mowers. Put used oil in a CLEAR, CLEAN PLASTIC container with a lid and place BESIDE your bin. (No oil that has been mixed with other things, no antifreeze, transmission or brake fluids. Call 862-0155 for info on disposing other auto fluids.)

**DROP-SITE LOCATIONS**  
**HAZEL GREEN:** Madison County Senior Center - 775 Butler & Egg Rd  
**NEW HOPE:** 222 Hayden Street  
**NEW MARKET:** District 1 Lane#1 - 441 Beth Road  
**OWENS CROSS ROADS:** Berkley Senior Center - 1817 Old Highway 431

The same recyclables accepted in the curbside program are accepted at the drop-sites with the EXCEPTIONS of BATTERIES and USED MOTOR OIL. These may be dropped off at the Household Hazardous Waste Collection (882-0155) - see article in this report.  
 You may take GLASS food and beverage bottles to BFI's Recyclery, 1024 A Cleaner Way, Huntsville. Specialty material dumpsters are provided for glass. For more info, call 856-2467.

### HELP PROTECT OUR WATERBODIES

Public Involvement Opportunities

The Alabama Department of Environmental Management has awarded the Madison County Soil and Water Conservation District several grants to help improve water quality in Hester Creek, Mountain Fork, and the northern portion of Indian Creek. With these grants, farmers and landowners whose land is located within eligible watershed boundaries have an opportunity for cost-share assistance to install conservation practices on cropland or grazing land. The goal is to reduce sediment and nutrients from entering these streams. Applications and more information are available by contacting the Madison County SWCD at 256-532-1677 ext 3.

\*These projects were fully or partially funded by the Alabama Department of Environmental Management through a Clean Water Act Section 319(h) nonpoint source grant provided by the U.S. Environmental Protection Agency - Region 4.\*

**CLEAR WATER ALABAMA 2012 - SEMINAR AND FIELD DAY**  
**DATE:** September 26-27  
**LOCATION:** Holiday Inn Research Park, Huntsville  
**PURPOSE:** Provide training in stream/landowner control practices and products, as well as streamwater management, to various personnel involved in the water/watershed industry - planners, designers, contractors, inspectors, engineers, local officials, etc.

OCI continuing education hours will be available only for individuals with existing OCI Certification through NSAA.

Registration brochures may be obtained at the Madison County Soil and Water Conservation District (Cook Ave., Huntsville) or online at [www.mwc.state.al.us](http://www.mwc.state.al.us) (follow the link to the registration form).  
 For more information, please contact Earl Norton with the Alabama Soil and Water Conservation Committee - 534-728-4307 or earl\_norton@yahoo.com

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Include educational tips and facts - Public Education and Outreach - IDDE

# DRINKING WATER REPORT (cont'd)

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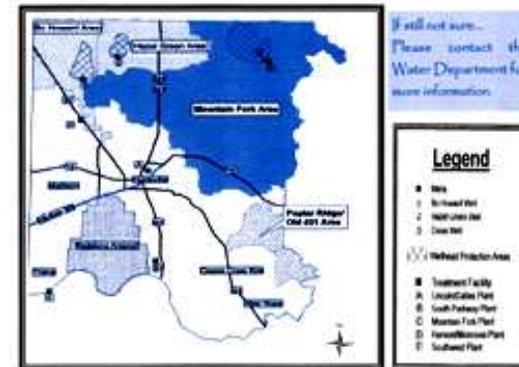
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- Have your septic tank pumped and system inspected regularly
- Never dump anything down storm drains

**For more information:**  
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**DATE:** September 26-27  
**LOCATION:** Holiday Inn Research Park, Huntsville  
**TOPICS:** Provide training in erosion/sediment control practices and products, as well as streamwater management, to various agencies involved in the construction industry - planners, designers, contractors, inspectors, engineers, local officials, etc.

CEU continuing education hours will be available only for individuals with existing CEU Certification through NSAA.

Registration brochures may be obtained at the Madison County Soil and Water Conservation District (Cook Ave., Huntsville) or online at [www.swaac.state.al.us](http://www.swaac.state.al.us) (follow the link to the registration form).

For more information, please contact Earl Norton with the Alabama Soil and Water Conservation Committee - 334-728-4307 or earl\_norton@yahoo.com

**"Splash for Trash" Flint River Clean-Up Project - September 29th - National Public Lands Day**  
 For more information, please contact Steve Weber - 256-528-0278 or weber-qa@at.net

Notify public of planned **-Public Involvement/Participation** activities & programs

# DRINKING WATER REPORT (cont'd)

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In 2008, the Madison County Water Department updated the source water assessment. Included in the report are a map and description of the Millbrook Protection Area, or Source Water Assessment Area, a list of common sources of contamination and the sites associated with them, the inventory of potential sources of contamination within each well's delineated area and their associated susceptibility ranking of high, medium or low as determined for water department personnel and ADEM, and a map of each well's Source Water Assessment Area identifying such potential contamination source using its identification number and the following color code for high susceptibility, yellow for moderate susceptibility, and green for low susceptibility. The report can be retrieved, by appointment, at the water department office.

### DRINKING WATER SOURCES

In 2011, the Madison County Water Department used water from an different sources to provide drinking water to its customers. The three primary sources, shown on the map below as wells 1, 2 and 3, are all groundwater sources. Well 1 - **Bo Howard Well (BHW)**, Well 2 - **Hazel Green Well (HGW)**, and Well 3 - **Cross Well (CW)** all draw water from the Tuscaloosa/Fort Payne Aquifer. Two sources are a part of Huntsville Utilities' water system. The Madison County Water Department purchased water from **Huntsville's Linden/Dallas Water Treatment Plant (LDWTP)**, a groundwater source pumping water out of the Tuscaloosa/Fort Payne Aquifer, and from the **South Parkway Water Treatment Plant (SPWTP)**, a surface water source drawing water from the Tennessee River. Also, the Madison County Water Department purchased water from **Harvest/Monrovia Water Authority's Water Treatment Plant (HMWTP)**, a groundwater source pumping water out of the Tuscaloosa/Fort Payne Aquifer.

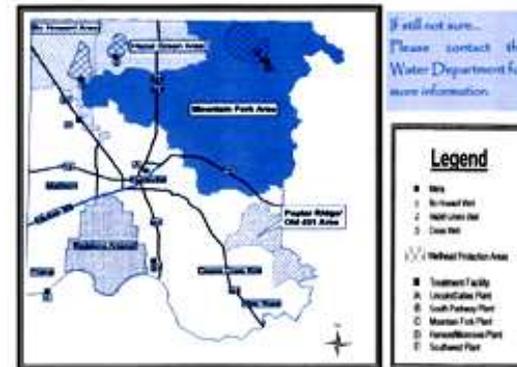
### Where your water comes from.....

**Bo Howard Area:** The northwest corner of the county is primarily served by the Bo Howard Well. A few locations in the southern part of the Bo Howard Area are supplied by water purchased from the Huntsville Utilities Southwest Water Treatment Plant and the Harvest/Monrovia Water Treatment Plant.

**Hazel Green Area:** The Hazel Green Area is served by the Hazel Green Well.

**Mountain Fork Area:** Water from the Cross Well is treated at the Mountain Fork Water Treatment Facility and serves the New Market, Meridianville, and Mayville areas. During periods of high demand, some water is also supplied from the Bo Howard Well and purchased from the Huntsville Utilities South Parkway and Lincoln/Dallas Water Treatment Plants.

**Posler Ridge / Old 431 Area:** This area is supplied by water obtained from the Huntsville Utilities South Parkway Water Treatment Plant. The water is purchased from Huntsville Utilities and New Hope.



### DO YOU HAVE HOUSEHOLD HAZARDOUS WASTES THAT NEED TO BE DISPOSED OF?

*The Handle With Care Household Hazardous Waste Program gives you a way to dispose of these items safely.*

**How does the program operate?**  
There are two ways to dispose of wastes:

- (1) Bring your materials to the Handle With Care Collection Center at 4190 Lottman Ferry Road in Huntsville. It's located at the Solid Waste Disposal Authority landfill. Hours: 8:00 am to Noon on the first Saturday of each month, or
- (2) If you think you have a particularly dangerous waste, such as explosives, or an unidentified material, call 882-0155, and they will schedule an appointment to pick it up at your home.

**What materials will the center accept?**

- Automotive Products: Transmission fluid, Brake fluid, Antifreeze, Car batteries, Used motor oil
- Household Cleaners
- Herbicides, Fungicides & Fungicides
- Pesticides & Insecticides
- Household Batteries
- Paint & Related Products: Oil or water based, Mineral spirits, Thinners, Solvents & removers, Stains, Aerosols
- Miscellaneous: Fluorescent chemicals, Pool chemicals, Substances, Acids

This program is for residents only. Please have wastes labeled as such, in original containers.

*If you have any questions about which materials are accepted or how to pack them, please call 882-0155.*

### Water Conservation Tips

- Water your lawn only when necessary. As a general rule, established lawns do not need to be watered more often than every five to seven days.
- Water lawns and gardens early in the morning or at night, when temperatures are lower, and save 20% or more of water typically lost to evaporation.
- Do not allow sprinklers to water your street, driveway or sidewalk.
- Raise the height of your mower so that you are cutting at the highest recommended height. A higher cut encourages grass roots to grow deeper, shades the root system and holds soil moisture better than their closely clipped lawns.
- Avoid over fertilizing your lawn. Fertilizer applications increase the need for water.
- Like mulch around trees and garden beds to retain moisture in the soil.
- Do not use the hose to clean your driveway or sidewalk - use a broom.
- Use a shut-off nozzle on your hose so that the water flows only as needed.
- Do not leave sprinklers on hoses unattended.

### UNUSED WELLS

Wells that are unused and have been improperly decommissioned (abandoned) pose a serious risk to Alabama's groundwater quality. Improperly decommissioned wells, which are often left open to the surface, provide a direct conduit for contaminated surface water to enter groundwater. This can contaminate an individual water supply, as well as the water supplies of some or all of the well owners in an area. The threat of contamination is heightened since surface water can bypass the filtering action of the soil and seep directly into groundwater through the well. Excessively high levels of biological and/or chemical contamination can be reached very quickly. Well owners are sometimes tempted to use abandoned wells to dispose of sewage and/or other wastes. This is NEVER acceptable. It is literally like pouring waste directly into water which you may be using for your drinking water, and the health risks cannot be overstated. Should you have an unused well that you would like to have decommissioned or you have a well that you feel has been improperly decommissioned and you would like some advice, the following agencies may be of assistance: ADEM, Natural Resource Conservation Service, the Alabama Soil and Water Conservation District, certified well drillers, and local water departments. Please contact us if we can assist you.

### Clean Water is Everybody's Business

Polluted runoff is the nation's greatest threat to clean water. Therefore, be mindful of any polluting agents left exposed to natural runoff since it has the potential to be picked up by streamflow runoff and carried directly to a nearby stream, lake or river. These pollutants can seriously harm water quality and cause harmful effects on drinking water supplies, recreation, fisheries and wildlife.

**Pollution sources include:**

- Excess herbicides, herbicides and insecticides from agricultural lands and residential areas
- Fertilizer, oil, grease and toxic chemicals from urban runoff
- Sediment from improperly managed construction sites, crop and forest lands, and eroding stream banks
- Bacteria and nutrients from livestock, pet wastes and faulty septic systems

**To keep the waterways leaving your home or workplace clean, follow these simple guidelines:**

- Use pesticides and herbicides sparingly
- Repair water leaks
- Dispose of household hazardous waste, used auto fluids (antifreeze, oil, etc.) and batteries at designated collection or recycling locations
- Clean up after your pet
- Use a commercial oil spill kit or wash your car on a lawn or other impervious surface
- Sweep up yard debris rather than leaving it alone. Compost or recycle yard waste when possible.
- Use paint liberally in a sink, not outdoors. Properly dispose of excess paint through a household hazardous waste collection program
- Sweep up and properly dispose of construction debris like concrete and mortar
- Drive development away from paved surfaces
- Have your septic tank pumped and system inspected regularly
- Store these guidelines close to your drains

**For more information:**  
**FEDERAL** - U.S. Environmental Protection Agency: [www.epa.gov](http://www.epa.gov)  
**STATE** - Alabama Department of Environmental Management: [www.adem.state.al.us](http://www.adem.state.al.us)  
**MADISON COUNTY** - Public Works Department: (256) 744-2746

### WHAT & HOW TO RECYCLE

Curbside or drop-site service is available to all Madison County residents. For residents within the curbside service area, you will need a recycling bin. BFI will deliver a bin to your residence. Call 532-1513. Have your bin on the curb by 7 a.m. For those outside the curbside service area, recycling items may be dropped off at the nearest drop-site. See the drop-site locations listed below for the one most convenient for you.

### CURBSIDE BINS

**PLASTIC:** recycle all #1 and #2 narrow-necked plastic bottles except those that contained poison or oil (kerosene) and remove lids and pumps)

**CANS:** recycle aluminum or steel cans, including EMPTY aerosol cans that did not contain poison or paint (kerosene) and remove lids)

**NEWSPAPERS:** recycle all newspapers and inserts (no junk mail, brown paper bags or cardboard)

**MAGAZINES:** recycle all magazines printed on slick, glossy paper (no directories or publications printed on newsprint or other dull paper)

**HOUSEHOLD DRY CELL BATTERIES:** recycle all household dry-cell batteries from cameras, toys, watches, flashlights, etc. Place in a clear plastic bag. **BESIDE** your bin. (No lead-acid batteries, such as those used in autos, motorcycles, lawn mowers or boats. Call 862-0155 for info on recycling these batteries.)

**USED MOTOR OIL:** recycle engine oil from your vehicles and lawn mowers. Put used oil in a CLEAN, CLEAR PLASTIC container with a lid and place **BESIDE** your bin. (No oil that has been mixed with other things, no antifreeze, transmission or brake fluids. Call 862-0155 for info on disposing other auto fluids.)

### DROP-SITE LOCATIONS

**HAZEL GREEN:** Madison County Senior Center - 775 Butler & Egg Rd  
**NEW HOPE:** 222 Hayden Street  
**NEW MARKET:** District 1 Lane#6 - 441 Beth Road  
**OWENS CROSS ROADS:** Berkley Senior Center - 1817 Old Highway 431

The same recyclables accepted in the curbside program are accepted at the drop-sites with the EXCEPTIONS of BATTERIES and USED MOTOR OIL. These may be dropped off at the Household Hazardous Waste Collection (882-0155) - see article in this report.  
 You may take GLASS food and beverage bottles to BFI's Recyclery, 1024 A Cleaner Way, Huntsville. Specialty market dumpsters are provided for glass. For more info, call 856-2467.

### HELP PROTECT OUR WATERBODIES

Public Involvement Opportunities

The Alabama Department of Environmental Management has awarded the Madison County Soil and Water Conservation District several grants to help improve water quality in Hester Creek, Mountain Fork, and the northern portion of Indian Creek. With these grants, farmers and landowners whose land is located within eligible watershed boundaries have an opportunity for cost-share assistance to install conservation practices on cropland or grazing land. The goal is to reduce sediment and nutrients from entering these streams. Applications and more information are available by contacting the Madison County SWCD at 256-532-1677 ext 3.

*\*These projects were fully or partially funded by the Alabama Department of Environmental Management through a Clean Water Act Section 319(h) nonpoint source grant provided by the U.S. Environmental Protection Agency - Region 4\**

### CLEAR WATER ALABAMA 2012 - SEMINAR AND FIELD DAY

**DATE:** September 26-27  
**LOCATION:** Holiday Inn Research Park, Huntsville  
**TOPIC:** Provide training in stream/landowner control practices and products, as well as streamwater management, to various persons involved in the construction industry - planners, designers, contractors, inspectors, engineers, local officials, etc.

OCI continuing education hours will be available only for individuals with existing OCI Certification through NSAA.

Registration brochures may be obtained at the Madison County Soil and Water Conservation District (Cook Ave., Huntsville) or online at [www.mcwc.state.al.us](http://www.mcwc.state.al.us) (follow the link to the registration form).

For more information, please contact Earl Norton with the Alabama Soil and Water Conservation Committee - 534-728-4307 or earl\_norton@yahoo.com

**"Splash for Trash" Flint River Clean-Up Project - September 29th - National Public Lands Day**  
 For more information, please contact Steve Weber - 256-528-0275 or weber-qa@at.net

**Publish Stormwater Contact Information - Public Involvement/Participation - IDDE and Construction Site Runoff**

# PARTNERSHIPS

## Include:

- Madison County Watershed Advisory Committee
- Madison County Soil and Water Conservation District
- Tennessee River Basin Clean Water Partnership

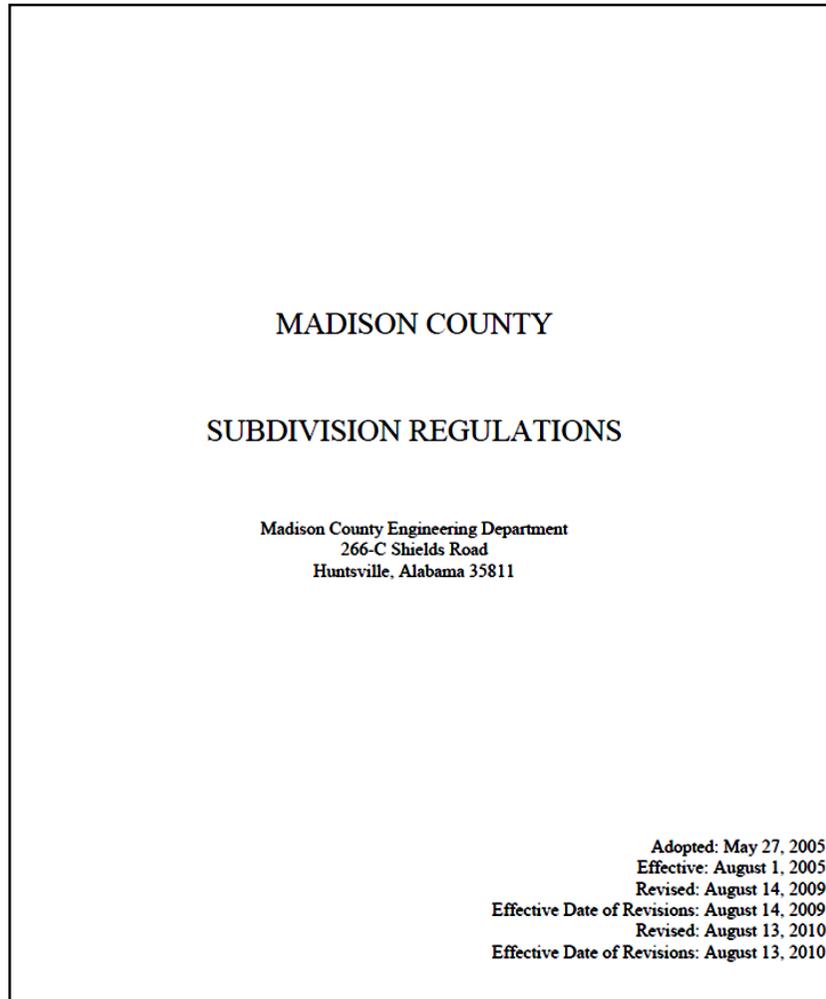
## Used to meet:

- **Public Education and Outreach**
- **Public Involvement/ Participation**
- **Construction Site Stormwater Runoff Control**

## Could participate in/help sponsor:

- Stormwater education to local schools
- Stormwater and regulation training for construction community
- Watershed/stream clean-ups and workshops

# SUBDIVISION REGULATIONS



## Used to meet:

- **Construction Site Stormwater Runoff Control**
- **Post-Construction Stormwater Management**

## Policies already in place:

- Plans are reviewed & approved
- Erosion/sediment control practices are required
- Post-Construction BMPs are inspected & performance bonds are required
- After a 2-yr maintenance period, county assumes responsibility of improvements

# COUNTY PROGRAMS



Used to meet:

- **Public Involvement/ Participation**
- **Pollution Prevention/ Good Housekeeping for Municipal Operations**

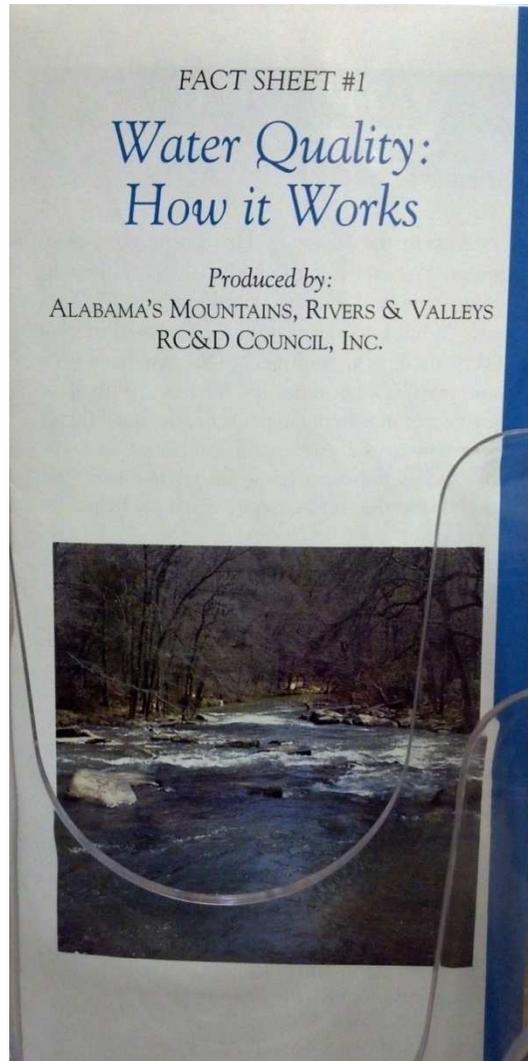
Examples include:

- Support local clean-up projects – supply bags & pick-up service
- Use county forces/inmates to pick up litter along rural roads
- Continue low herbicide application in rural districts
- Provide recycling services – curbside, drop-site & tire

***OTHER BMPs  
TO MEET PERMIT  
REQUIREMENTS...***

***;-)***

# *Brochures/Fact Sheets Displayed at County Offices*



## Used to meet:

- **Public Education and Outreach**
- **IDDE**
- **Construction Site Stormwater Runoff Control**

## Target Audiences:

- General Public
- Business Community
- Construction Community

# *Training of County Employees*

STORMWATER MANAGEMENT  
FOR  
COUNTY OPERATIONS AND PROJECTS

*A Guidance Document  
Of  
Pollution Prevention/Good Housekeeping  
Best Management Practices*

Prepared by:

Madison County Engineering Department

2009

*(Revised Feb. 2010)*

Used to meet:

- **IDDE**
- **Pollution Prevention/Good Housekeeping for Municipal Operations**

Topics Covered:

- Detecting/reporting illicit discharges
- Preventing/reducing stormwater pollution
- Applying for construction permits
- Inspecting facilities and operations
- Choosing/maintaining BMPs

# *Construction Site Control*

**TO BE IMPLEMENTED IN 2013**

- Require qualifying construction sites to show proof of stormwater permit application
- Track projects in database
- “Inspect” non-county, priority construction sites – monthly
- Use eComplaint system to notify ADEM of non-compliant sites

**Uh Oh... ☹️**

**State Laws**

**Prohibit Us from Fulfilling  
Some Permit Requirements**

# MADISON COUNTY...

## *cannot implement ordinances related to stormwater*

Therefore, can't satisfy these permit requirements:

- IDDE ordinance to prohibit non-stormwater discharges into the MS4 – **will report identified problems to ADEM using eComplaint**
- Ordinance giving authority to ensure erosion/sediment controls at construction sites are in compliance – **will rely on ADEM's state-wide NPDES program for inspection and enforcement**

**SO...**

**HOW ARE WE DOING?**



# *According to an audit conducted by ADEM on July 9, 2012...*

## Areas of suggested improvement:

- Develop a written standard operating procedure (SOP) for IDDE to include dry weather screening of outfalls
- Develop and implement an ordinance or other regulatory mechanism for IDDE requirements

## Our response:

- We were conducting inspections if presented with a complaint or came across discharge in the field – **we'll develop a SOP and a process for dry weather screening**
- According to the county attorney, Madison County has limited authority to regulate under the “Alabama Limited Self Governance Act” but this Act does not have application to stormwater discharge management practices – **fulfillment of this requirement will require more legislation**

**QUESTIONS?**

# CONTACT INFO:

**Madison County Public Works 256-746-2888/2900**

Fritz Mucke: [frederickmucke@madisoncountyal.gov](mailto:frederickmucke@madisoncountyal.gov)

LaWanda West: [lgwest@madisoncountyal.gov](mailto:lgwest@madisoncountyal.gov)

John Buxton: [johnbuxton@madisoncountyal.gov](mailto:johnbuxton@madisoncountyal.gov)

Houston Matthews: [hmatthews@madisoncountyal.gov](mailto:hmatthews@madisoncountyal.gov)