

Waste Division Update

**Mississippi
Department of
Environmental
Quality**



*MISSISSIPPI RECYCLING COALITION
ANNUAL CONFERENCE*

*HOLMES COMMUNITY COLLEGE,
RIDGELAND, MS*

OCTOBER 25, 2017

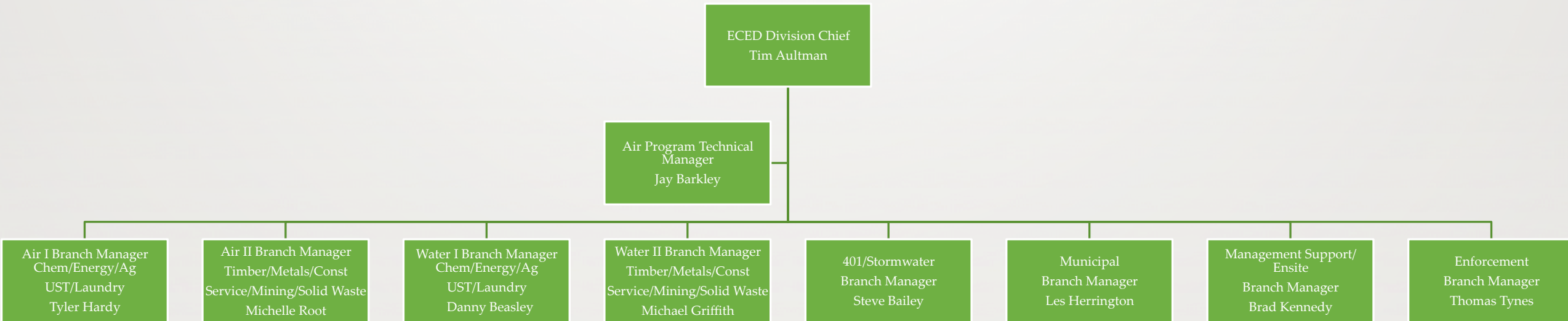
MDEQ Re-Organization

- Reorganization of MDEQ's Office of Pollution Control Divisions:
 - Environmental Permitting Division
 - Environmental Compliance and Enforcement Division
 - Waste Division
- Groundwater Assessment and Remediation Division, Air Quality Division, Surface Water Quality Division and Field Services Division were not included in the Reorganization.

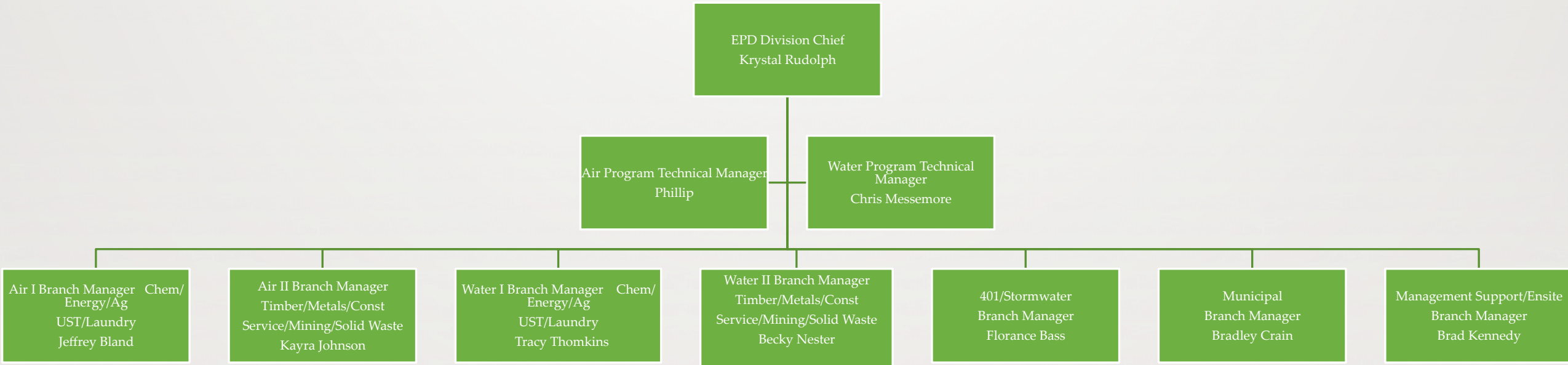
MDEQ Re-Organization

- Divisional Re-Organization Committees Assigned to Work on the Details
- The focus was whether MDEQ's Divisions should maintain multi-media sector based organizational structure or move to a media based organizational structure
- Re-organizational work led to MDEQ's Environmental Permitting, Environmental Compliance and Enforcement and Waste Divisions transitioning to a single media focus.

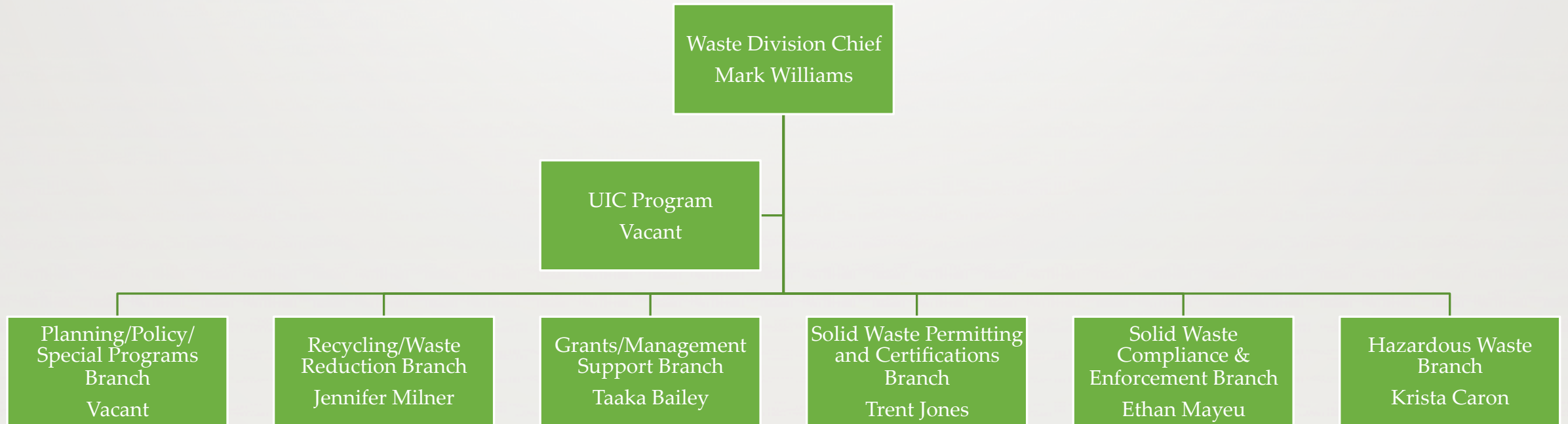
Environmental Compliance & Enforcement Division



Environmental Permits Division



Waste Division



Waste Program Staff Updates

Staff Retirements/Resignations:

- Lynne Burrell – North Regional Solid Waste Inspector retiring at the end of June;
- Lateisha Pendleton – North Regional Waste Tire Inspector took a position elsewhere
- Kim Swilley – Central Regional Waste Tire Inspector took a position elsewhere
- Eric James – On extended military leave for 18 months to 2 years
- Jimmy Sparks – UIC Coordinator took a position elsewhere

Waste Program Staff Updates

Staff Additions/Changes

- Taaka Bailey – was appointed in the Spring as the Branch manager of our Grants and Management Support Branch replacing Aveleka Moore now in our OAS. (CRO Grants)
- Tonisha Rodgers – was appointed this Summer as Grants coordinator for the North and South Regions of the State.
- Tracy Mullins – Central Regional Solid Waste Inspector recently appointed replacing Michael Manley
- Deidre Graham – appointed a Certification Programs Manager in Solid Waste Permitting and Certification Branch.
- Jason Bridges – recently appointed as landfill construction specialist/disaster debris field coordinator
- Brittany McNair – started this Monday as compliance engineer for North Region solid waste facilities
- Other Positions Being filled: Recycling Support Staff, Branch Manager for Policy, Planning and Programs Branch, UIC Program Coordinator, Staff Geologist, Engineers in Permitting and Compliance Branches



Waste Program Area Updates

2017 Legislative Session – House of Rep

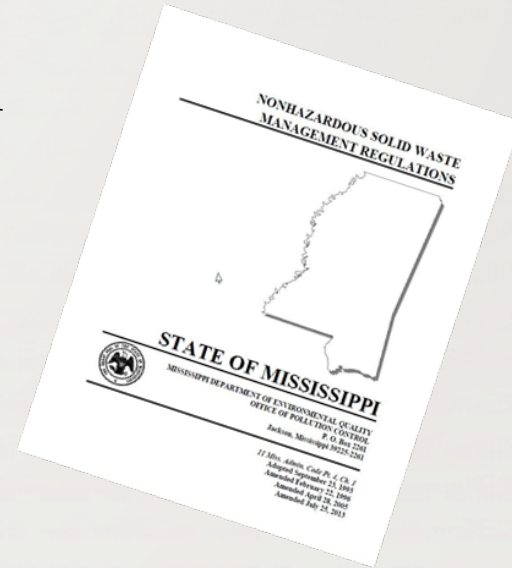
- HB 1149 – Amends Sections 19-5-21 and 19-5-22 of Miss Code to authorize County to assess additional fees not to exceed \$1.00 or 10% which is the balance of a delinquent monthly garbage bill and clarifies that counties have the authority to contract with collection agencies for the collection of delinquent garbage fees.,
- HB 1351/1427 would have amended state law to raise the litter fines to no less than \$500.
- HB 1523 – MDEQ Appropriations Bill for State Fiscal Year 2018

2017 Legislative Session - Senate

- SB 2738 - Environmental justice; require meaningful involvement of all people in siting process. (Died in Committee)
- SB 2785 - Computer and electronic waste; require management plan for recycling and disposal. (Died in Committee)
- SB 2783 – Authorize the Commission on Environmental Quality to assess permit fees to cover the costs of the permitting programs (Died in Committee)
- SB 2761 - Environmental Quality; require the department to identify all coal ash dam sites. (Died in Committee)
- SB 2650 – To provide clarity to the use of Ad Valorem taxes for the collection of garbage and related purposes (Died in Committee)

Revisions to the Mississippi Nonhazardous Solid Waste Management Regulations

- Adopted in 1993, content last updated in 2005 and incorporated into the State Administrative Procedures Act Rules in 2013.
- Sets standards for all solid waste management facilities to ensures the protection of human health and the environment.
- Now referenced as Title 11, Part 4, Chapter 1 Mississippi Commission on Environmental Quality Regulation Regarding Nonhazardous Solid Waste Management Regulations.



Regulatory Revisions Under Consideration

- Exemption Clarifications (Wastewater, Ag wastes, slag)
- Siting Criteria (surface water, drinking water sources, property line, residences, floodplains and geologic buffers)
- Permit procedures (emergency authorizations, short term project permits, R, D & D Permits).
- Landfills (R,D & D, Ind LF FA, etc)
- Storage/Transfer (Closure, Leachate mgt, recycling facilities)
- Rubbish sites (Survey reqts, closure/post-closure, Fin. Assur., Deed Notation)
- Processing/Composting (New Categories and modified permit reqts)
- Land Application (short term projects, 503 parameters)

Regulatory Revision Process

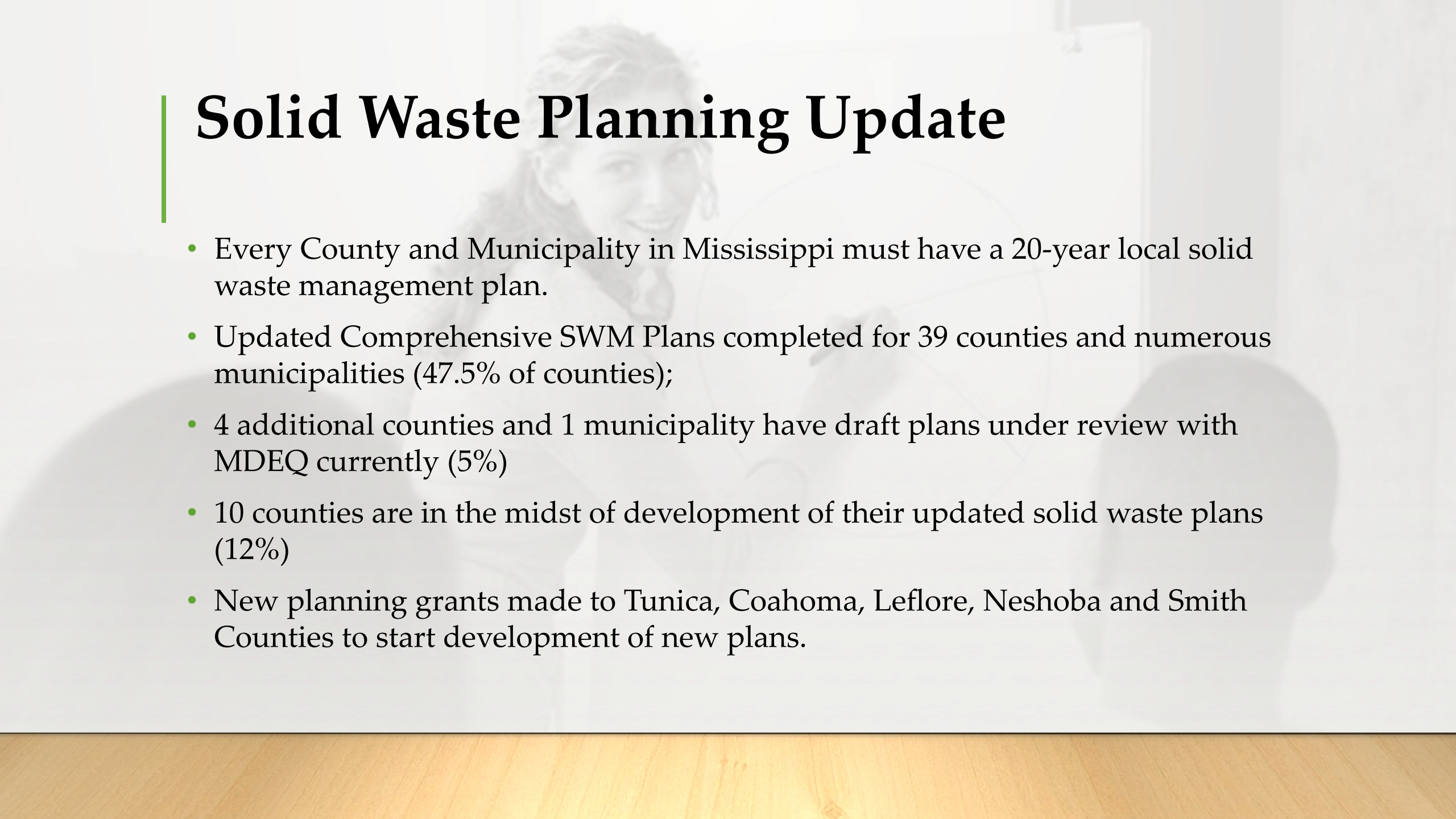
- Develop and finalize draft internally. (*Has been placed on hold until after Re-Org*)
- Hold Preliminary Stakeholder Meeting
- Adjust draft regulations based on stakeholder feedback
- Submit proposed revisions to the Small Business Review Committee for comment.
- Issue public notices and hold public hearings.
- Collect and consider all comments, make changes if deemed necessary.
- Develop and submit final revision to the Commission.
- Allow 30 day appeal period after approval.
- Hold evidentiary hearing if necessary.

Solid Waste Permitting Issues

- Statewide General Permits for Class I and Class II Rubbish Sites
 - General Permits Expired on December 31, 2016
 - MDEQ has administratively continued those permits until new permits and guidance is issued. So existing coverage is considered valid until such time that the permits are reissued.
 - Permitting/Certifications Branch is working on development of draft permits
 - Instructions for re-coverage will be provided upon reissuance
- Statewide General Permits for Municipal Waste Transfer Stations
 - General permit expires on September 30, 2017
 - MDEQ is administratively continuing the coverages issued under this GP a new permit and guidance is issued. So existing coverage is considered valid until such time that the permit is reissued
- Statewide General Stormwater Permit for Land Disposal/Solid Waste Ops
 - Hoping to roll the re-issuance of this GP into the process for the 2 Rubbish GP's

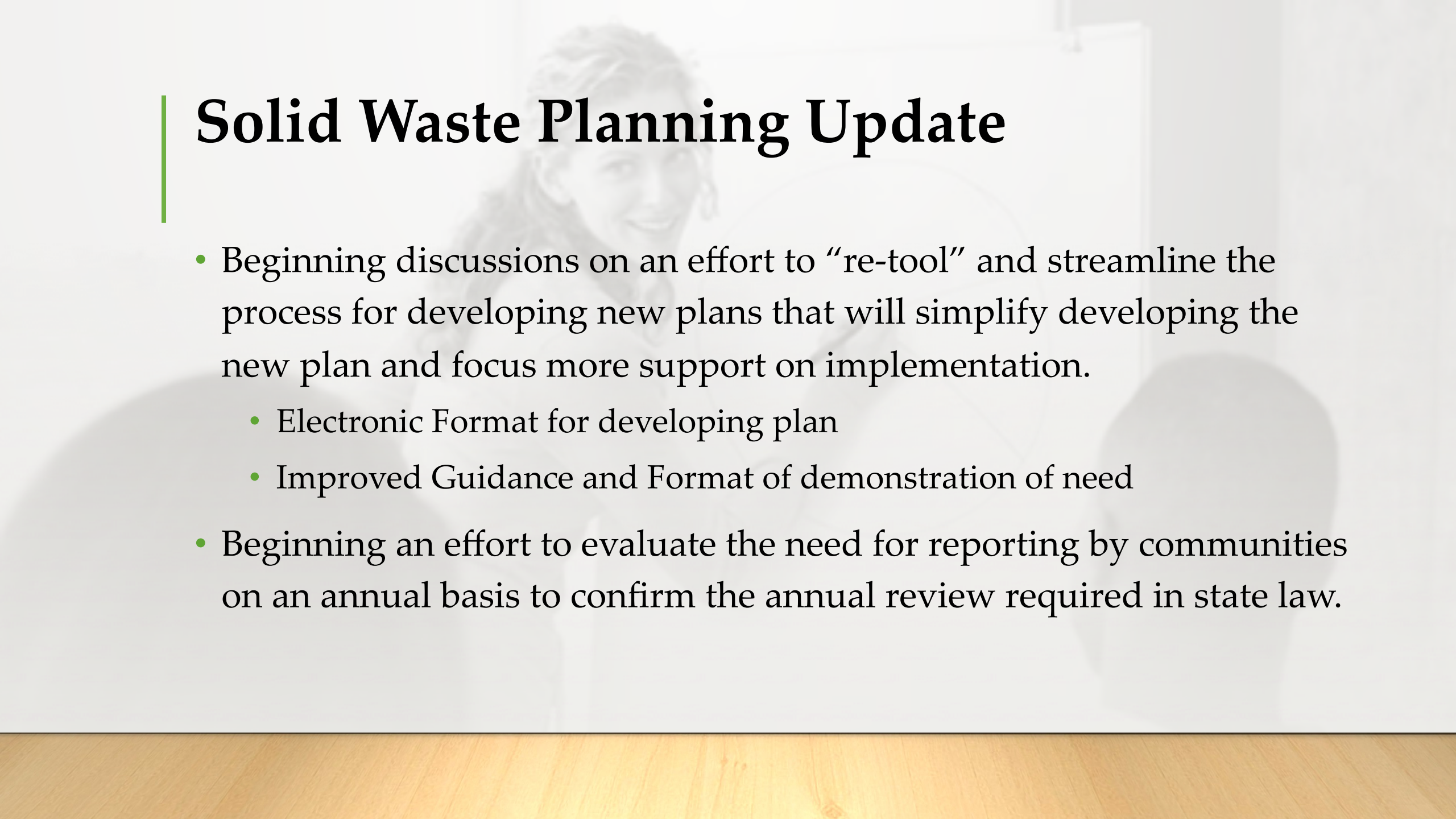
Other State Initiatives

- Mississippi Commission on Environmental Quality approved the State Oil and Gas Board on Regulation of NORM Wastes (Rule 68) in February 2017. A condition of the approval was that the updates would be made to the other primary disposal rules (Rule 45);
- MDEQ conducted an MSW Landfill “Special Waste Survey” on the management of various special materials (bulk liquid wastes, radioactive wastes, asbestos, CERCLA waste, etc).
- MDEQ is working to develop Guidance on Bulk Liquids solidification operations at MSW landfill sites;
- MDEQ working on a policy describing procedures for landfills/other facilities with radiation monitors when such monitors are triggered by incoming wastes;



Solid Waste Planning Update

- Every County and Municipality in Mississippi must have a 20-year local solid waste management plan.
- Updated Comprehensive SWM Plans completed for 39 counties and numerous municipalities (47.5% of counties);
- 4 additional counties and 1 municipality have draft plans under review with MDEQ currently (5%)
- 10 counties are in the midst of development of their updated solid waste plans (12%)
- New planning grants made to Tunica, Coahoma, Leflore, Neshoba and Smith Counties to start development of new plans.



Solid Waste Planning Update

- Beginning discussions on an effort to “re-tool” and streamline the process for developing new plans that will simplify developing the new plan and focus more support on implementation.
 - Electronic Format for developing plan
 - Improved Guidance and Format of demonstration of need
- Beginning an effort to evaluate the need for reporting by communities on an annual basis to confirm the annual review required in state law.

Solid Waste Reporting

- MDEQ's Electronic Reporting Initiative For Solid Waste Facility Reporting
 - Currently in the contractor approval phase.
 - Going through sole source certification with our ITS Division
 - Goal is to have some form of an electronic reporting system in place in January 2018.
- MDEQ will be seeking to add new areas of reporting
 - Results of the annual plan review
 - Material recovery volumes and rates

Solid Waste Reporting

- 2016 Annual Facilities Reports indicates the following:
 - Total Landfilled: 5.065 million tons (up from 4.475 million tons in 2015)
 - 4.631 million tons of wastes disposed at commercial disposal sites (up from 4.351 million tons in 2015)
 - 434,020* tons of wastes disposed at non-commercial disposal sites (down from 270k tons) * *does not include facilities claiming conf biz info*

Solid Waste Reporting

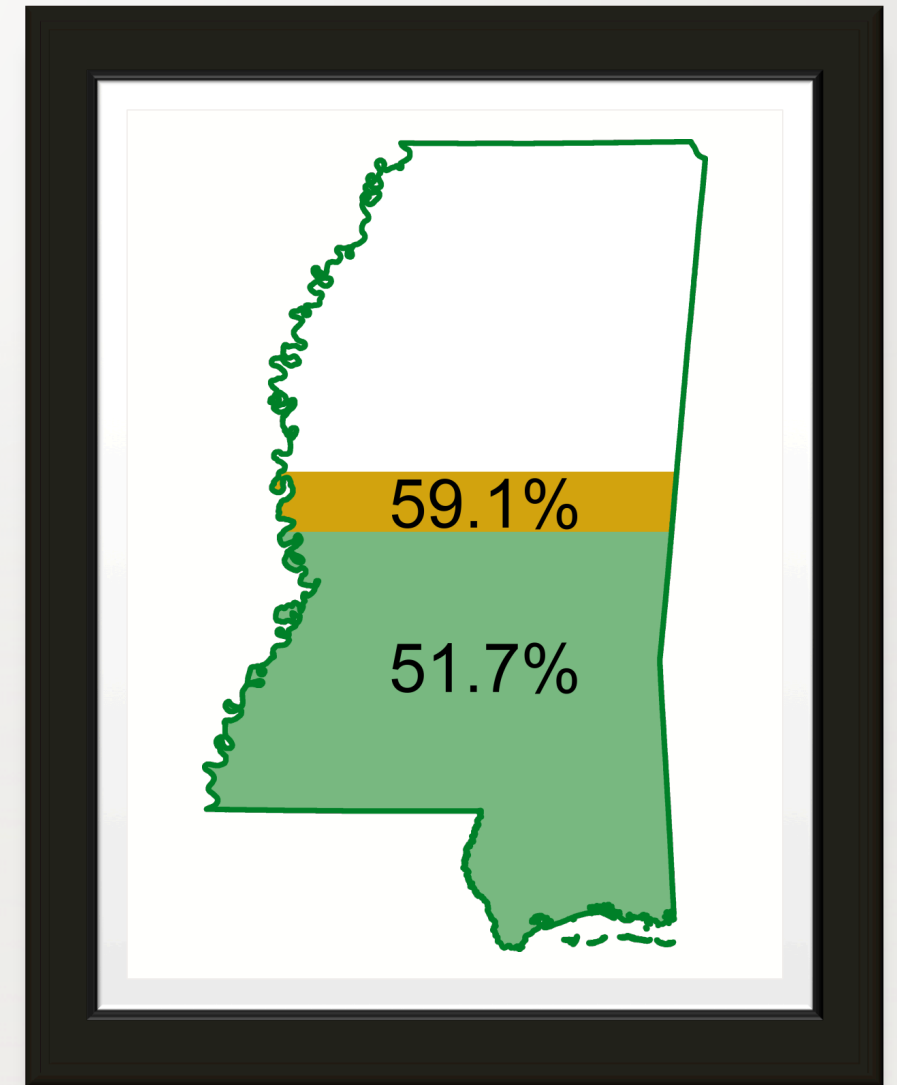
- 2016 Annual Facility Reports indicates the following amounts of wastes managed at non-disposal facilities:
 - Land Application Facilities: 29,754 tons (up from 24,030 tons in 2015)
 - Composting Facilities – 19,569 tons (down from 26,560 tons)
 - Processing Facilities – 96,672 (down from 132,367 tons)
 - Transfer Stations – 881,257 tons (up from 762,257 tons)

Recycling Update – State Vision

- Grow recycling access for the State's residents and businesses
 - *Emphasize Waste Reduction Strategies in Community Solid Waste Planning*
 - *Providing Grant Resources for support of recycling programs*
 - *Encourage cooperative efforts among local governments*
- Conduct and support Public Outreach Efforts Across the State
- Support and strengthen Small Recycling Businesses/Organizations
 - *Providing Support through the Mississippi Recycling Coalition*
 - *Emphasis on Partnerships with Local Governments*
- Work to develop and strengthen commodity markets
- Establish appropriate reporting and measurement systems

Recycling Access

- A total of 59.1% of Mississippi's population has access to community sponsored recycling programs
 - up from 51.7% in 2013
 - Below the National average of 94% of the U.S. population having access
 - 30% curbside, 29% drop-off



Recycling Update

- Addition of Recycling Support Staff at MDEQ
- Conduct a 2nd phase of Regional Recycling Cooperative Grants
- Assist with SWANA/MRC for a Joint Conference in the Spring of Next Year and other events;
- Voluntary Reporting Initiative to Coincide with Our Electronic Reporting Rollout; and
- Work with SERDC (on behalf of the Carton Council) to improve and increase carton recovery (material recovery in general).

Regional Recycling Cooperative Grants

- Awarded in April, 2014, four communities and their partners received Regional Recycling Cooperative Grants totaling \$1,067,938:
 - **City of Greenwood** - (in partnership with Leflore County, the Cities of Itta Bena and Indianola, and the Town of Sidon);
 - **City of McComb** - (in partnership with Pike County and the Cities of Osyka, Magnolia and Summit);
 - **City of Natchez** – (in partnership with the City of Brookhaven, Wilkinson County and various other institutions and organizations);
 - **City of Oxford** – (in partnership with the Cities of Calhoun City and Batesville, Panola and Lafayette Counties, and the University of Mississippi).

Regional Recycling Cooperative Grants

- MDEQ will be moving forward with a 2nd phase of these Recycling Cooperative Grant Awards. The emphasis will include:
 - Grant awards that include cooperation or a regional focus;
 - Grant awards that clearly increase, improve or enhance recycling conditions in the project area;
 - Grant awards that include innovation or creative approaches to increasing recycling;
 - Grant awards that foster public-private partnerships; and
 - Grant awards that are paired with other funding, resources, or financial investments.

Pollution Prevention Programs

- MDEQ has continued our contractual partnership with the Manufacturing Extension Partnership of the MS Manufacturing Association to provide continued technical assistance to Mississippi industry on waste reduction and pollution prevention opportunities.
- MDEQ's enHance environmental leadership program is going into its 10th Year. Our deadline for manufacturers, businesses, municipalities and counties, and other organizations and institutions to apply to be recognized is September 30, 2017. For more information: www.enhance.ms

Grants Programs

- Awarded total of \$3.005 Million in Grants in FY 2017
- Solid Waste Assistance Grants (SWAG)– FY 2017
 - \$1.841 million - Total Allocated and Competitive Grants (53 of 82 Counties Received Non Competitive Grants and 35 local governments (cities, counties, solid waste authorities received competitive awards)
- Solid Waste Planning Grants - FY 2017
 - \$103,850 awarded for the development of comprehensive plans for 3 county/city partner plans.
- Waste Tire Assistance Grants – FY 2017
 - 25 new waste tire grants made to local and regional government organizations totaling \$1.164 million

Grants Programs

- Solid Waste Assistance Grants (SWAG)– FY 2017:
 - October 1, 2017 Grants Cycle – MDEQ has received ..applications for Competitive Solid Waste Assistance Grants for ??
 - Letters mailed out to all 82 counties on this year's allocated SWAG's. Allocations are slightly up from last year.
- FY 2018 Available Grant Funds are reduced this year for SWAG's (Approximated at around \$1.9 million down from around \$2.7 million in FY 16).
- Planning Grants – 6 additional applications we are reviewing planning grant requests
- RFP Documentation is getting greater scrutiny. It is important for grantees to keep documents and when in doubt act conservatively and send it in.

Waste Tire Program

- 5.4 Million Passenger Tire Equivalents were collected and processed in Mississippi; (approx. 2.7 million from out-of-state sources)
- Approximately 95% (5.1 million) of these tires were processed for recycling purposes;
- Approximately 782,000 PTE's were collected through local government waste tire collection programs and 94% of these were recycled;
- MDEQ has approximately active 105 registered haulers, 9 commercial processing/collection sites and 149 local government collection sites.

EPA/Federal Initiative on Tire Crumb

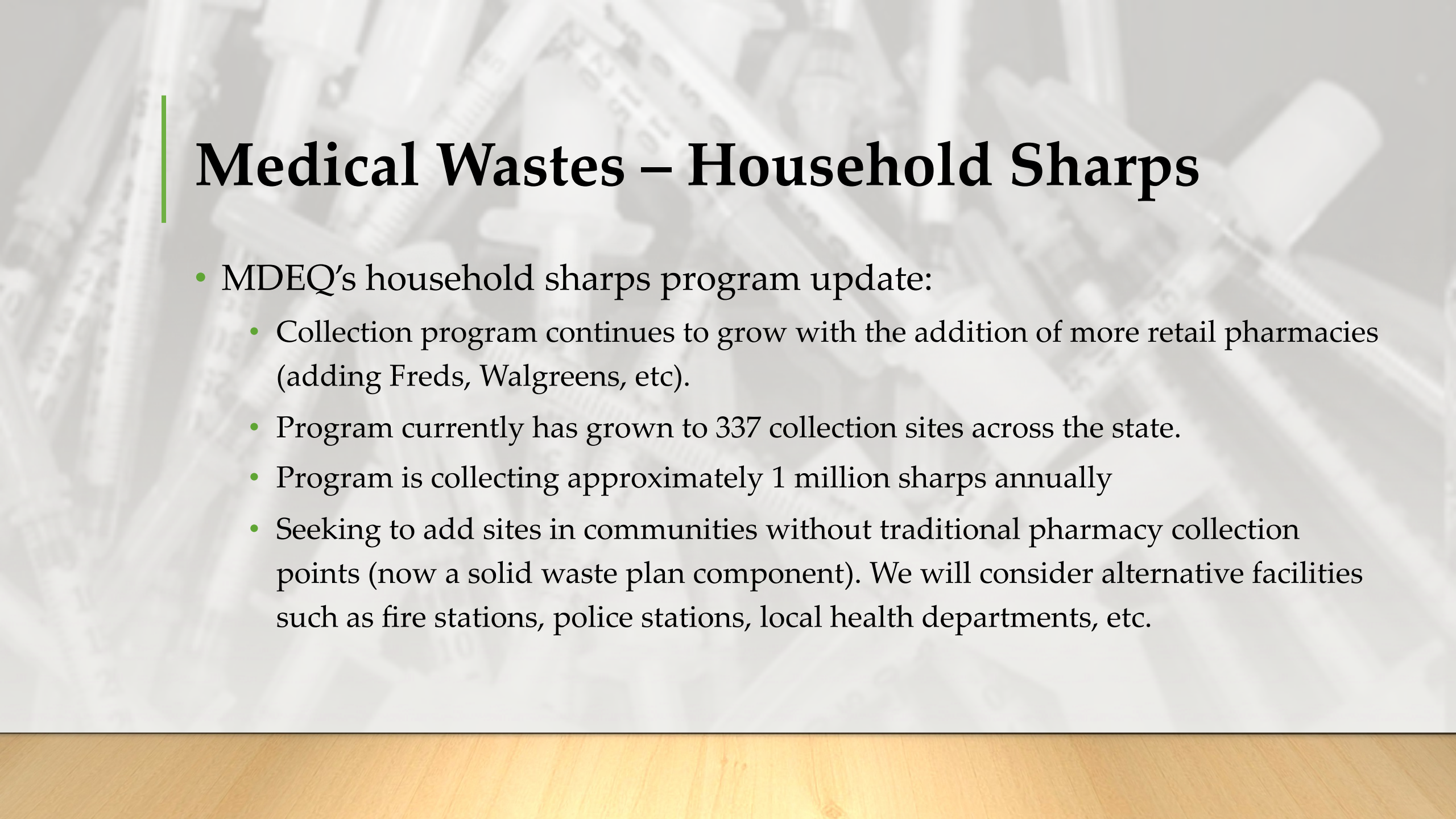
- Completed a public comment process on May 2nd on studies on a Federal Action Plan on Recycled Tire Crumb Used on Playing Fields and Playgrounds.
- A draft status report was released this past December 2016 describing the findings and conclusions of the research on crumb rubber uses. The report will also outline any additional research needs and next steps.
- More information about the Federal Research Action Plan is online - www.epa.gov/tirecrumb

Electronics Management

- MDEQ continues to promote Local E-Waste Collection and Recycling Events Around the State:
 - Fall Electronics Waste Collection Day at the Mississippi Farmers Market located at 929 High Street in Jackson **Friday, November 3, from 8:00 a.m. to 2:00 p.m.**
 - Most other events are held in conjunction with HHW Events or Collection Programs
 - Provides Grant Support through Hinds County to JSU Computer Refurbishment Program
- MDEQ continues to implement our program to maintain listings of the Certified Electronics Recyclers for State Agencies and Institutions and to Promote E-Waste Recycler Certification.
- Nationally we are seeing increased problems with management, recycling and/or disposal of televisions and CRT monitors. ASTSWMO issued a “Position Paper on CRT Management” in April 2017.

Medical Wastes - Pharmaceuticals

- U.S. DEA is administering the recently promulgated Federal “Take Back” Rule. Pharmacies are beginning to develop take-back programs for consumer pharmaceuticals and medications.
- U.S. DEA continuing to sponsor bi-annual take back events for pharmaceuticals with local law enforcement agencies.
 - *UPCOMING EVENT*: October 28, 2017
 - *RECENT EVENT*: April 29, 2017 (over 900,000 lbs (450 tons collected).
- Miss. Department of Public Safety offers local collection points for pharmaceuticals at the State’s Driver’s License Stations.

The background of the slide features a close-up, slightly blurred image of various medical sharps, including syringes and needles, arranged in a way that suggests a collection or disposal process. The colors are muted, with greys, whites, and soft blues.

Medical Wastes – Household Sharps

- MDEQ's household sharps program update:
 - Collection program continues to grow with the addition of more retail pharmacies (adding Freds, Walgreens, etc).
 - Program currently has grown to 337 collection sites across the state.
 - Program is collecting approximately 1 million sharps annually
 - Seeking to add sites in communities without traditional pharmacy collection points (now a solid waste plan component). We will consider alternative facilities such as fire stations, police stations, local health departments, etc.

Biosolids Update

- EPA made tremendous cutbacks in Federal oversight of biosolids programs, so states are primarily taking the lead in these oversight efforts.
- MDEQ issued a statewide general permit for land application of class B biosolids in the Fall 2015.
- MDEQ is approving Class A biosolids through the Mississippi Beneficial Use program. MDEQ has issued five BUDs to class A biosolids for use in the State.
- MDEQ working to update the Lagoon Closure Guidance to include options for Beneficial Use, General permits, etc.
- Evaluating a regulatory change that will allow for a streamlined permit process for short duration projects.

Industrial Wastes – Coal Combustion Residuals

- EPA's CCR Rule went into effect October 19, 2015;
- MDEQ decided initially not to adopt the provisions of the rule;
- MDEQ began working to dovetail our solid waste permit requirements with the Federal CCR Regulations and working with industry on compliance with the rule.
- The WIN Act was adopted in December 2016 providing authority to states to operate CCR permit programs and authority to EPA to approve those programs.
- MDEQ will now move forward with adoption of the CCR Rule and will seek EPA program approval.
- EPA released its interim final Coal Combustion Residuals (CCR) State permit program guidance and sought comments on the guidance through September 14, 2017

Industrial Wastes

- MDEQ's Industrial Wastewater Lagoon Closure Guidance is in a usable draft format.
- Beneficial Use Program 2016 Numbers :
 - 71 Beneficial Use Determinations have been issued by MDEQ for uses of various material types in the state. Approximately 57 of these remain active;
 - Current reporting figures for 2016 indicate that 1,055,034 tons (up from 956,903 tons in 2015) of wastes were beneficially used in Mississippi
- 3 New BUD's have been issued in 2017; 5 additional BUD requests are under review.

Disaster Waste Management Issues

- Mississippi Marine Debris Emergency Response Guide – Developed and Released By NOAA – February 2017 – Available on MDEQ Solid Waste Home Page
- EPA has developed and solicited comment on a draft updated version of the “Planning for Natural Disaster Debris guidance.” Comments closed in July. No immediate information on when the final guidance would be released.
- MDEQ has worked with Animal Board of Health and the Natural Resource Conservation Service on management plan for animal carcasses and associated wastes in the event of an avian flu incident in the state.
- MDEQ has a guidance policy for MSW landfills that may accept carcasses from such an incident.

Disaster Waste Management Issues

- MDEQ working with individual communities on approving pre-incident disaster debris management plans (pre-selected debris mgt sites, pre-incident contracts, etc).
- MDEQ Recent Emergency Debris Response Actions
 - January 20th Tornado Event - Forrest, Perry, Lamar, Lauderdale Counties (3 Sites Approved)
 - April 30th Tornado Event - Adams, Calhoun, Carroll, Claiborne, Holmes, Jefferson, Montgomery, Webster and Yazoo counties – (4 Sites Approved/Being Evaluated)
 - October 8th - Hurricane Nate – Jackson, Harrison and Hancock Counties

Hazardous Waste Program Update

- State RCRA Re-Authorization (Public Hearing – November 7, 2017 on modifications to State Hazardous Waste Management Regulations).
- MDEQ plans to take up additional modifications in early 2018 including Defn of Solid Waste (subject to recent court rulings), Generator Improvements Rule, Hazardous Waste Import/Export Revisions.
- EPA's Proposed Rule: Management Standards for Hazardous Waste Pharmaceuticals has not been finalized at this point.

Other Guidance

- Solvents in the Workplace – (EPA) How to Determine If They Are Hazardous Waste - new EPA guidance to assist industry with determining when spent and unused solvents must be managed as hazardous waste and includes recycling and reuse techniques, and a question and answer section.
- EPA has provided for comment a draft fact sheet with best management practices (BMPs) for preventing and detecting PCB-containing used oil at commercial and municipal used oil collection centers, and used oil recycling facilities. Comment period closed September 6th.
- School Chemical Laboratory Management Guide – (MDEQ) – Guidance to Schools in Mississippi on options for management and disposal for school chemical/biology laboratories in the State.

For more information:

Mark Williams, P.E., BCEE, Chief - Waste Division

Mississippi Dept of Environmental Quality

P.O. Box 2261

Jackson, Mississippi 39225-2261

Email: mwilliams@mdeq.ms.gov

Phone: 601-961-5304/Fax: 601-961-5785

www.deq.state.ms.us/solidwaste

www.deq.state.ms.us/recycling