

Hazardous Waste Program Overview and Update

Steve Sturgess, Program Director

October 18, 2016

Hazardous Waste Program Update

- Overview of the Program
 - Staffing
 - Functions
 - Updates
- Major issues and efforts

Hazardous Waste Staffing 2016

MDNR programs:

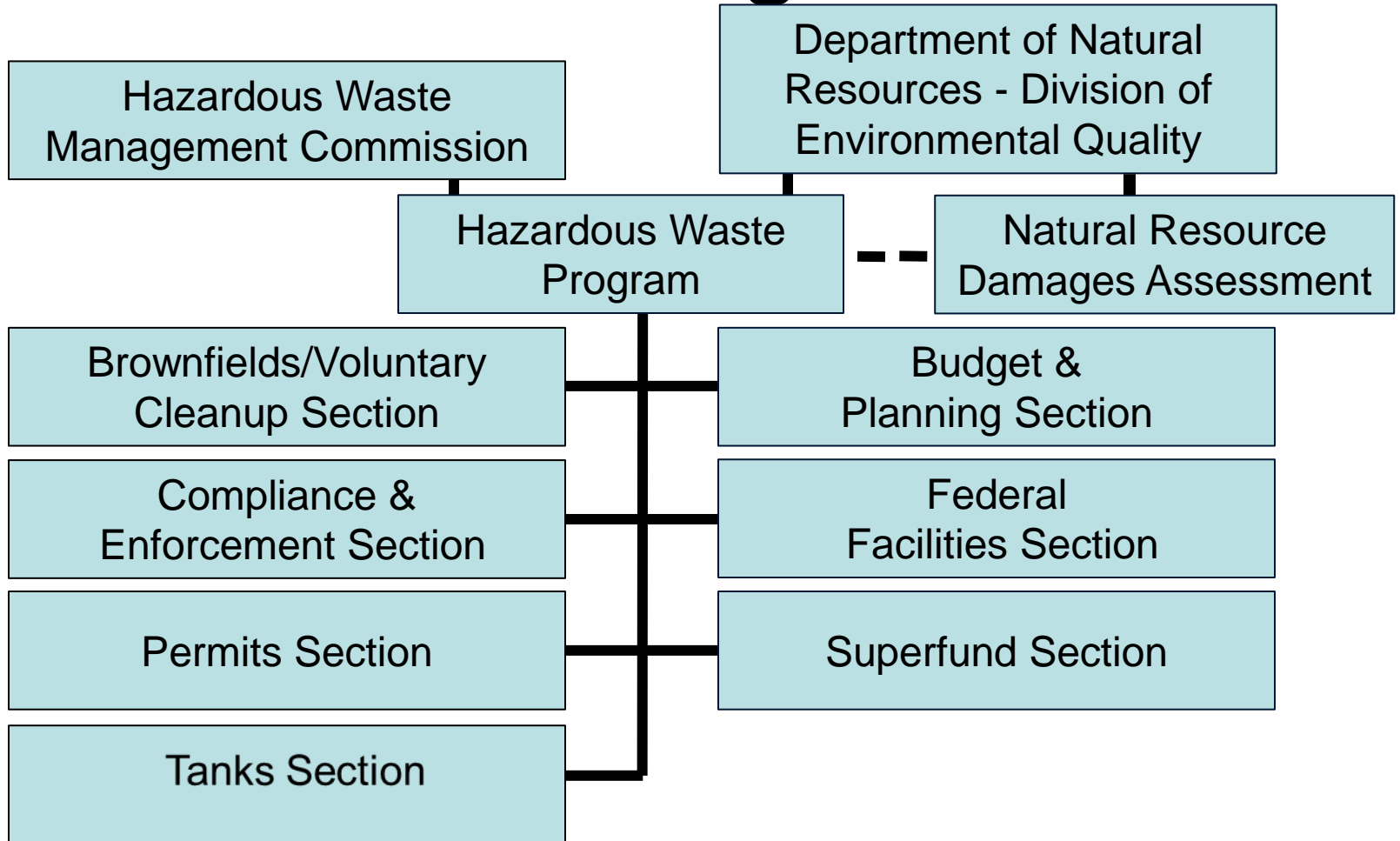
- Hazardous Waste Program – 146 FTE*
- Regional Offices – 14 FTE*
- Missouri Geological Survey – 8 ½ FTE*
- Environmental Services Program – 4 ½ FTE*

Other state agencies:

- Department of Health & Senior Services (DHSS)
- Office of the Attorney General (AGO)

*Full-time equivalent workers (FTE)

Hazardous Waste Program Structure



Hazardous Waste Management Commission

- **Citizen Commission** consisting of seven members representing the following sectors
 - Waste Management Industry
 - Waste Generating Industry
 - Petroleum Retail Industry
 - Agriculture
 - Three Public Members
 - No more than three members from one political party
 - Commissioners are appointed by the Governor and approved by the Missouri Senate
- At present, 2 seats are vacant (both are public seats)
- All 5 currently serving commissioners are in expired seats

Hazardous Waste Management Commission

- Adopts, modifies and repeals rules and regulations to implement and enforce the Missouri Hazardous Waste Management Law
- Holds hearings on rules, complaints and permit appeals
- Issues individual variances
- Commission meets at least four times a year; usually every other month
- Department staff report to commission and provide information on program issues

Permits

- Reviews/approves:
 - Applications for Hazardous Waste Management Facility Permits and Resource Recovery Certifications
 - Closure and Post-Closure Plans/Reports
 - Corrective Action Site Investigation and Remediation Work Plans and Reports
- Performs Independent Groundwater Evaluations at Hazardous Waste Facilities
- Provides Financial Assurance Oversight



Permits Section update

- Assessing impact of EPA's new STAG formula
 - Could result in reduction of \$857,000 in our federal grant funds once phased in
 - This amount represents roughly 8-10 hazardous waste FTE
 - Details later
- Implementation of “No Stricter Than”
- Evaluation of Definition of Solid Waste rule

Compliance & Enforcement

- Takes action to ensure regulated parties comply with Missouri's hazardous waste and underground storage tank (UST) laws and regulations
- Inspects generators, transporters, permitted facilities, PCB sites and UST systems and oversees corrective actions
- Implements new hazardous waste and UST rules



Compliance & Enforcement

- Partners with MoDOT on transporter licensing and vehicle safety inspections
- Reviews hazardous waste manifests
- Coordinates pesticide education and collection activities
- Implements Electronic Scrap Management Program
- Provides technical assistance, regulatory guidance and training on all aspects of hazardous waste and UST issues



Superfund

- Conducts site assessments and investigations of sites where releases of hazardous substances have occurred potentially affecting public health and the environment
- Provides state involvement and input into the remedial process on National Priorities List (NPL) Sites
- Oversees the remediation of sites where the state is the lead regulatory agency
- Maintains the Registry of Abandoned and Uncontrolled Hazardous Waste Sites



Superfund – NPL Sites

- Missouri has 33 National Priorities List (NPL) Sites, four of which are federal facilities and 10 which are historic mining sites.
- Sixteen NPL sites/operable units have been remediated.
- Fourteen NPL sites are fund lead.
- Six sites/operable units are under state Operations and Maintenance – No Responsible Parties

Superfund - State Led Cleanups

- Superfund Cooperative Program – Responsible Party agrees to clean up site under state oversight
 - Currently 13 sites in Cooperative Program
- Registry – Responsible Party/landowner agrees to cleanup in lieu of Registry listing
 - Currently 8 Registry Consent Agreements

Superfund section update

- Completed cleanup of several historic lead mining sites
- EPA and MDNR working together to remediate mined areas of Madison and St. Francois Counties. Once completed, Natural Resource Damage activities will move forward
- Other sites include West Ken site and Park Hills residential yard cleanup

Federal Facilities

- Provides oversight and review of investigations, management, and remediation of hazardous substances at current or past federal facilities, including sites with radioactive or unexploded ordnance concerns
- Implements the radioactive materials shipment statutes for transporting radioactive materials through Missouri



Federal Facilities section update

- Implementation of a new web-based online system that offers shippers and carriers a user friendly portal for entering and tracking shipments and payment information
- Success stories
 - Facilitating redevelopment of the Bannister Federal Complex/Kansas City Plant
 - Overseeing cleanup of Hematite site in SE MO
 - Assisted in repurposing activities at a former Minuteman II Launch Control Facility

Federal Facilities – Radioactive Materials Transportation

- The section is responsible for collecting fees for transporting radioactive materials and waste (Missouri Revised Statute 260.392)
- Fees are charged for each shipment of:
 - high-level radioactive waste,
 - transuranic radioactive waste,
 - spent nuclear fuel,
 - highway route controlled quantity, or
 - low-level waste

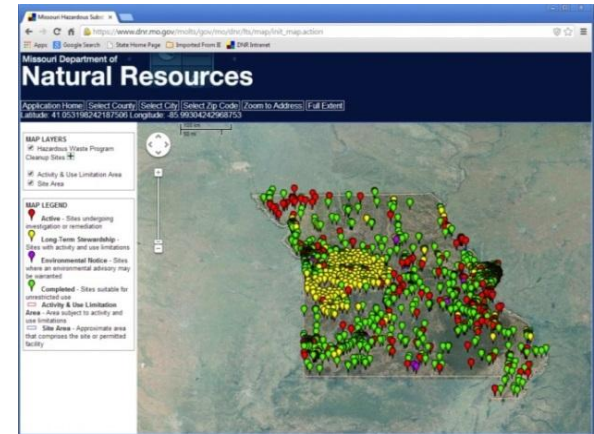
Brownfields/Voluntary Cleanup

- Purpose is to assist parties desiring to voluntarily cleanup properties for redevelopment
- Conducts site assessments of properties for public entities and not-for-profit organizations
- Provides state oversight for voluntary cleanups of properties contaminated with hazardous substances
- Tracks and monitors Long Term Stewardship (LTS) issues at sites not cleaned up to unrestricted use levels
- Manages the Dry-cleaning Environmental Response Trust (DERT) Fund.
 - DERT Fund **expires August 28, 2017**

B/VCP update

LTS mapping tool: **Missouri Environmental Site Tracking and Research Tool (E-START)**

- Contains Superfund, B/VCP and other sites where remediation is on-going or completed
- Petroleum storage tank sites will be added soon
- Other map enhancements – search feature by site name, county and municipal boundaries
- Links to clean letters and other site documents



Tanks

- Oversees the risk-based remediation of leaking underground storage tank sites and cleanup of above ground storage tank sites
- Oversees the closure of underground storage tank sites
- Reviews and follows up on spill reports related to regulated petroleum releases
- Provides technical assistance and training on tank cleanup issues



Tanks Section update

- **Free Product Guidance Document** – A “how to” guidance for staff and consultants currently in development. Expected to be finalized by December 2016
- **Plume Stability Guidance Document** – A “how to” guidance for staff and consultants currently in development. This document will be sent to consultants for comments in 2017
- **Streamlined process** for review of restrictive covenants
- **Enhanced Enforcement** – More timely follow up at tank remediation projects through use of Administrative Orders and meetings with tank owners, consultants, and PSTIF staff to discuss disagreements and provide a path forward or referral to the AGO

Budget & Planning

- Administrative Section of the Program that develops and tracks the program's budget, prepares and administers program grants and cooperative agreements and manages state funds
- Manages the registration of Hazardous Waste Generators and Underground Storage Tank (UST) Facilities
- Manages Hazardous Waste and UST Fee Billings and Collections
- Manages Program files and records
- Coordinates Human Resource Issues



Budget and Planning Update

- New fee structure begins January 1, 2017
- Invoices will go out beginning in November for calendar year 2017
- Evaluation of changes to EPA's funding formula

Regional Offices

- Perform inspections and complaint investigations
- Perform compliance assistance visits
- Provide technical assistance to the regulated community



Regional Office contributions

- Sample collection
- LTS inspections
- Assistance with Zill & Main Street Shell sites in Kansas City
- Assistance with issues related to Bridgeton landfill

Missouri Geological Survey

- Site investigations & data collection
 - Geoprobe
 - Drill rig
- Observation of RP site investigation work
- Field assistance and support
- Document reviews
- RCRA O&M inspections and reports

Environmental Services Program

- Site investigations
- Collection of soil, water & air samples
- Laboratory sample analysis
- Document reviews
- Environmental Emergency Response
- Responder training for radioactive materials

HWP – Current issues

- Implementation of new fee structure
- Implementation of new regulations related to “no stricter than”
- Vapor intrusion issues – homes, businesses, caves and new EPA guidance
- Stakeholder relationships
- EPA program review of Tanks and PSTIF
- DERT fund sunset

Rule and policy update

- UST rulemaking – public hearing on October 20th, comment period ends on October 27th
- Upcoming State Program Approval of Tanks Program
- Updates to MRBCA
 - Stakeholder input early 2017
 - Revision to guidance document
 - Rule amendment
- Adoption of new federal rules (e.g., Definition of Solid Waste)
- Preparing to request EPA authorization for No Stricter Than and other recent rule changes



Questions/Discussion

