



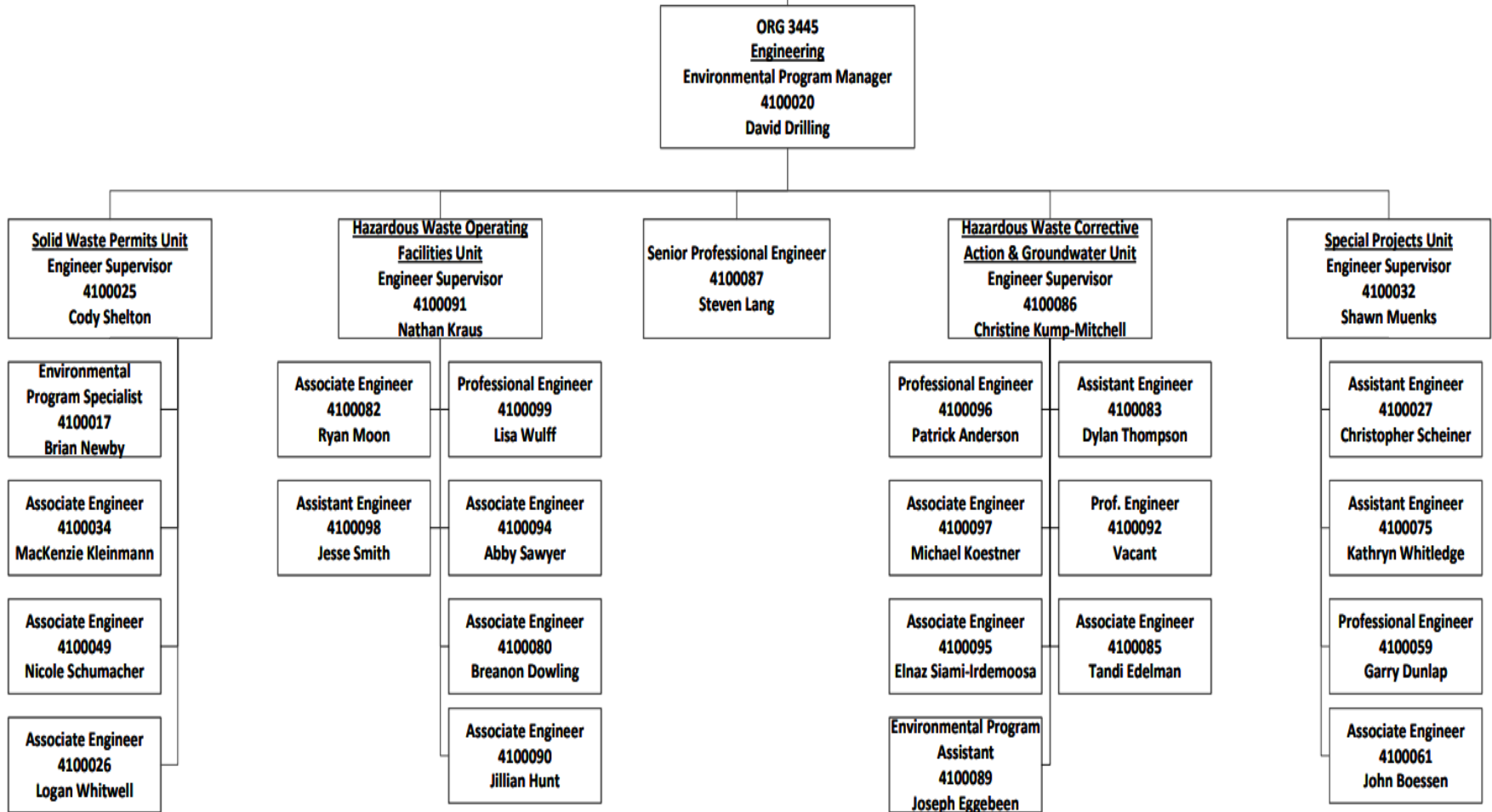
MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Waste Management Program

Presented by
Charlene Fitch P.E.
Director



Engineering Section





David Drilling P. E.

David graduated from Mizzou in 2010 with a degree in Civil Engineering and started with the Waste Management Program in 2011. He is currently the Section Chief of Engineering and is responsible for all RCRA subtitle D and C permitting. After 2 years in San Francisco, David returned to WMP in 2022. When not

working, you can find him cycling on the Katy Trail, 'building' furniture, working around the house/lawn, or ~~cleaning up after the chaos demon~~ playing with his beautiful daughter.





Nathan Kraus has been with the department since 2011. He graduated from Mizzou in 2009 with a degree in Civil Engineering. Nathan obtained his professional engineer certification in 2014 and became the Hazardous Waste Operating Facilities Unit Chief in 2018.



He spends a lot of his time at sporting events with his wife and kids throughout the year with cross-country, basketball, baseball, and track.



Nathan Kraus P.E.

Ryan Moon



Ryan Moon, Hazardous Waste Operating Permits Unit. Project manager for EBV Explosives Environmental Co. (Arcwood Environmental – Joplin), HAZMAT Inc., MEMC, LLC., Modine MFG Co. – Joplin, Nexeo Solutions, LLC. Assisting facilities within the RCRA universe. Enjoys hiking, biking, and hunting.

Jesse Smith, EIT



Hazardous Waste Operating Facilities Unit

B.S. Chemical Engineering- Mizzou, Dec. 2023

Joined the department in May 2024

EIT/EI awarded July 2024

Project Manager for assigned facilities

Veolia – Louisiana

Element Resources – Forest City

Dow Chemical - Pevely

McKesson Chemical - Springfield

Unilever – Jefferson City

Previous experience:

Retail management, account management, and paralegal work

Hobbies: Games, music, travel, reading



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Lisa Wulff joined the department in August 2022 and is a professional engineer managing projects for a variety of both permitted/operating TSD facilities and facilities undergoing corrective action. She graduated with a B.S. in Chemical Engineering and a M.S. in Environmental Engineering from the University of Missouri – Rolla and a Ph.D. in Civil Engineering from the University of Missouri – Columbia. Before joining the department, she previously worked as, among other roles, the EHS manager for a USDA quality testing laboratory and as an Assistant Professor of Chemical Engineering at the University of Minnesota-Duluth.

Abby Sawyer



Abby Sawyer has worked for the Department for about 6.5 years. She graduated from Missouri University of Science and Technology with a B.S. in Environmental Engineering in May 2018. She is a project manager and permit writer within the hazardous waste operating facilities unit and is currently assigned EaglePicher Technologies – Joplin, Greenfield Environmental Multistate Trust (formerly Kerr-McGee/Tronox) – Springfield, Arcwood Environmental (formerly Heritage Environmental Services) – Kansas City, International Paper Company – Joplin, Omnium – St. Joseph, and Solvent Recovery, Inc – Kansas City. She has a very spoiled cat, and enjoys reading and various crafts, including knitting and cross stitch.



Breanon (Bre) Dowling, EIT



Bre has worked for MoDNR for about 3.5 years. She earned her B.S. Chemical Engineering degree from Missouri University of Science and Technology in May 2019. She is a project manager and permit writer within the hazardous waste operating facilities unit and is currently assigned BASF Corporation - Hannibal, Lone Star Industries - Cape Girardeau, Dyno Nobel Incorporated - Carthage, and ICL Performance Products - Carondelet (St. Louis). Prior to working for MoDNR, she worked at Callaway Energy Center for Ameren for several years. She has two Miniature Australian Shepherds, is a St. Louis Cardinals & St. Louis Blues fan, and enjoys spending her spare time with her fiancé and friends having game nights.



Jillian Hunt Est. October 1, 2018

U.S.EPA certified RCRA subtitle C hazardous waste permit writer. Currently managing the Doe Run Buick Resource Recycling Facility, Green America Recycling, the Greenfield Environmental Multistate Trust – Kansas City, Bob’s Home Service, and 3M-Nevada facilities.

B.S. in Environmental Engineering (2018) and M.S. Certificate in Geoenvironmental Engineering (2021) from Missouri S&T Civil, Architectural, and Environmental Engineering program.

Missouri State Parks Volunteer for Rock Bridge State Park and associated natural areas

Missouri Department of Conservation Runge Nature Volunteer and Missouri Master Naturalist

Missouri Stream Team Leader

Association of State and Territorial Solid Waste Management Officials Contaminants of Emerging Concern Steering Committee, Lithium Battery workgroup liaison to Hazardous Waste Subcommittee

Dog mom, naturalist, and studying to become a professional environmental engineer!

Steven Lang P.E.



Steven Lang earned a bachelor's degree in Chemical Engineering from the Missouri University of Science and Technology, and is a professional engineer who has been with the Missouri Department of Natural Resources since 2000. Steven has experience working in state CERCLA (Federal Facilities), CWA/SDWA/MS4, and Underground Storage Tanks programs. Steven is currently the senior engineer in the RCRA program providing technical support for both solid, and hazardous waste sites.

Christine Kump-Mitchell, P.E.



- Corrective Action and Groundwater Unit Chief
- B.S. Geological Engineering from UMR
- Started with MoDNR in April 1996
- Missouri Professional Engineer since 2001
- Oversees RCRA permitting and corrective action including site investigation, remedy selection, and remedial design.
- Enjoys camping, gardening, and reading
- Scout leader and merit badge counselor
- FIRST Lego League coach and mentor

Patrick Anderson, P.E.

Patrick Anderson earned a Bachelor's degree and a Master's degree in Geological Engineering from the University of Missouri-Rolla and is a Professional Engineer who has been with the Missouri Department of Natural Resources since 2007. Patrick has experience working in state CERCLA (Federal Facilities), and the state's Financial Assistance Center (State Revolving Fund).

Dylan Thompson



Dylan Thompson joined the department in March 2024 as a project manager in the Corrective Action and Groundwater Unit. He earned his B.S. Chemical Engineering degree from Missouri University of Science and Technology in 2021. Outside of work, he enjoys cooking, tennis, rock climbing, backpacking, and kayaking - anything that gets him outside.





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Michael Koestner





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Elnaz Siami Irdemoosa is a project manager and hazardous waste permit writer with the Missouri Department of Natural Resources (MoDNR), working in the Groundwater and Corrective Action unit. She earned her PhD in Geological Engineering from Missouri University of Science and Technology in 2017 and has been with MoDNR since then.

She currently manages several projects including Curia, Bayer CropScience LP, Quality Analytical Services Inc., Union Pacific Railroad, GMC Truck and Bus, and Kiesel Company.

Outside of work, she enjoys painting and spending time and traveling with her husband and two young sons.

Tandi Edelman



I'm Tandi Edelman and I write permits. I left air permits because I heard there were better cookies on the hazardous side. I've been in the Groundwater and Corrective Action Permit unit for 9 years. We want to issue permits that promote and improve the conditions and health of the environment and for people.

Joe Eggebeen



I'm Joe Eggebeen. I work in the Corrective Action and Groundwater Unit, where I review groundwater reports and coordinate underground injection control items for the WMP, plus I serve as a notary public. I am also the commissioner for the WMP Fantasy Football League, where Charlene finished dead last. You should ask her about her trophy.

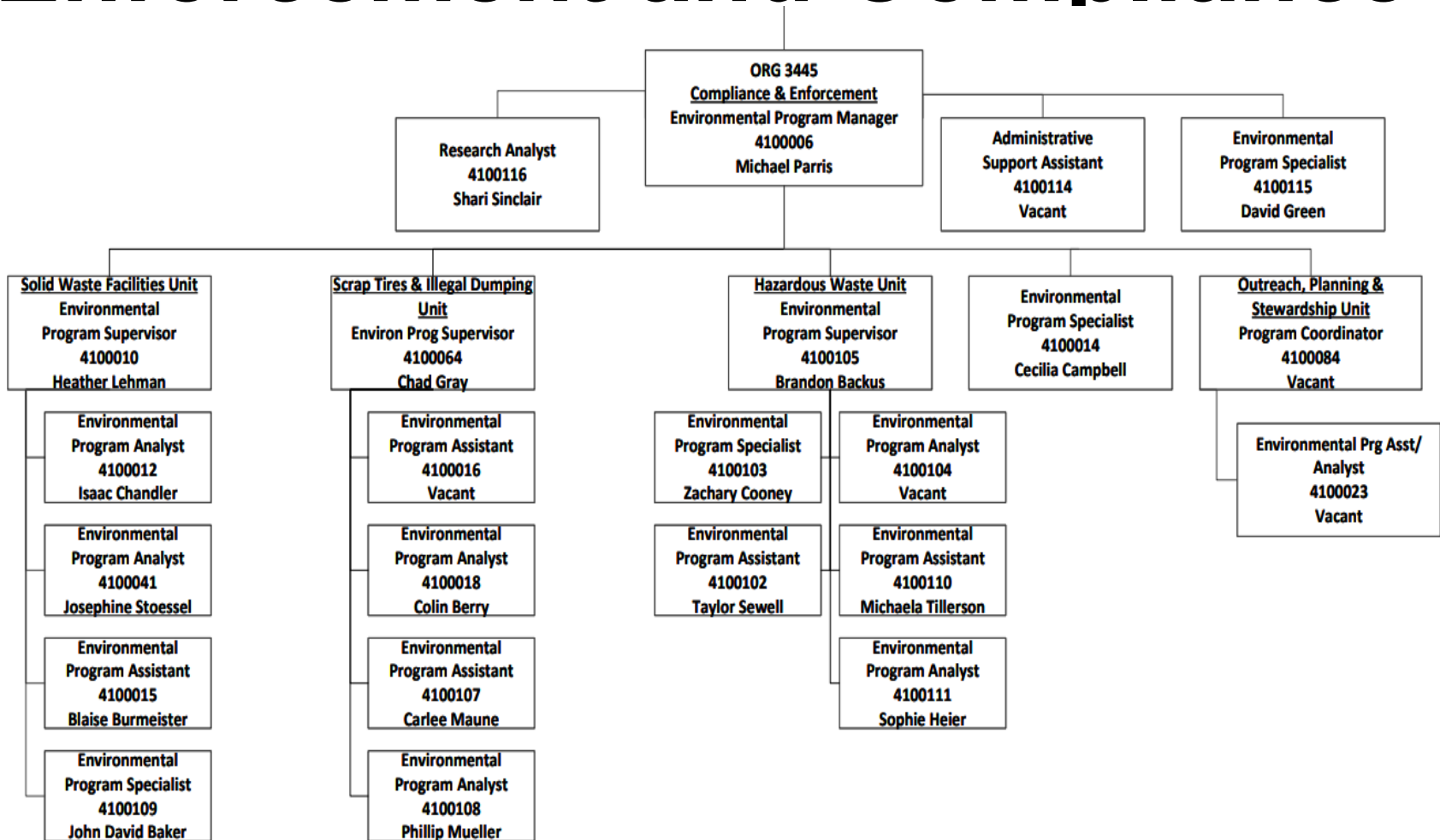


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Enforcement and Compliance





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Mike Parris



Michael (Mike) Parris is an Environmental Program Manager with the WMP's compliance/enforcement team. He has worked for the department in various capacities for 17.5 years. Mike graduated from the University of Dayton with a B.S. in Biology. He is a Jefferson City native and enjoys spending time outdoors with his family and friends.

David Green



Hazardous waste generator registration,
reporting, and fees.

29 years of experience



Shari Sinclair earned her Bachelor of General Studies degree with minors in Biology, Chemistry, Psychology, and Sociology from Columbia College in 2011, and is a Research Data Analyst in the Fees & Taxes Unit of Compliance and Enforcement. Shari started with the Missouri Department of Natural Resources in 2005, and in her current position in 2022. She is responsible for sending out the annual invoices, notices of nonpayment, and notices of violations to the hazardous waste generators in the State of Missouri. She is also responsible for collecting the fees owed and following up with the ones that have not paid.



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Brandon Backus is Environmental Program Supervisor of the Waste Management Program's Hazardous Waste Enforcement Unit. Brandon graduated from Columbia College with a B.S. in Environmental Science and has been with the Department for 6 years.

Zachary Cooney

I graduated from the University of Kansas with a BS in environmental science, and have been with MoDNR for 2 years. I started out handling the scrap tire processor and hauler permits, but am now a program specialist in the hazardous waste enforcement unit. Before I started working with MoDNR I worked 7 years in the private sector working with hazardous waste transportation, management and disposal.



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Taylor Sewell

Michaela



Mickey joined the Hazardous Waste Compliance and Enforcement Unit in January 2025 as an Environmental Program Assistant. She earned her degree in biological sciences from Eastern Illinois University in December 2024 and relocated to Columbia, Missouri from Edwardsville, Illinois. Outside of work, she enjoys spending time with her friends and family, hiking, and exploring a new city.

Sophie Heier



Sophie Heier earned a bachelor's degree in Environmental Science from the University of Missouri. Sophie is a Program Analyst within the Hazardous Waste Compliance and Enforcement team and has been with the Missouri Department of Natural Resources since 2022. Sophie has experience with RCRA and provides compliance assistance to various TSDFs around Missouri.

Backlogged Permits

In 2018

19 permits were “administratively continued” or backlogged.



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Currently out on Public Notice

Missouri Pressed Metals

April 1 – May 15, 2025



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Pesticide Clean Ups

Over 1,000,000 lbs collected
since 2013

Regulatory Changes

Final and Effective

February 28, 2025

Generator Improvement Rule,

Airbag Rule,

Aerosol Cans as Universal Waste Rule,

Pharmaceutical Rule (including P075 nicotine listing amendment),

(first two) E-manifest rules, and

a previously unadopted portion of regulations for wood treaters were adopted and made effective.

In progress

10 CSR 25-6.263,

10 CSR 25 - 8.124 and

10 CSR 25-13.010.



Priorities and Initiatives

Efficiencies

Streamlining processes

Still working on catching up
groundwater reports
corrective action



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Questions?