

**ANNUAL REPORT 2017**

**OKLAHOMA**

**DEPARTMENT OF**

**ENVIRONMENTAL**

**QUALITY**







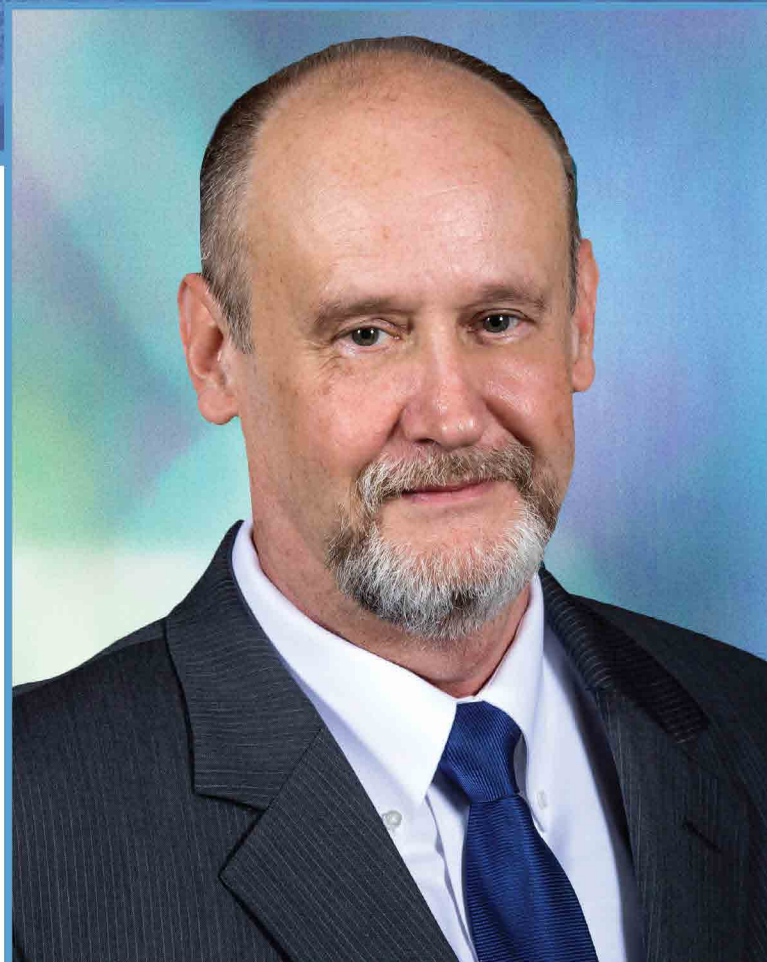
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*Students from Oklahoma schools visit DEQ's State Environmental Laboratory.*



# LETTER FROM THE EXECUTIVE DIRECTOR



**Scott Thompson**  
Executive Director



Oklahoma Department of Environmental Quality

Oklahoma has a wealth of natural resources, which provide substantial economic and environmental benefits. One example is our state parks, which you will see as you browse this report. These areas of Oklahoma help underscore the importance of preserving the air we breathe, the water we drink, and the land upon which we live.

I am privileged to serve alongside staff whose daily goal is to provide environmental protection, guided by common sense and customer service. Our network of scientists, hydrologists, meteorologists, environmental scientists, engineers, support staff, and leadership continue to carry out our agency's mission, even during times of declining resources.

Each year, we issue permits, respond to complaints, analyze water samples, issue health advisories, and do everything possible to advance our agency's critical mission for Oklahomans.

We are focused on the future, and we continue to look for ways to improve our services and operate more efficiently than ever before. At DEQ, we promote and support innovation and are fully committed to protecting people. As a public health agency, we will continue to do our part to make our state a great place to live, work, and prosper.

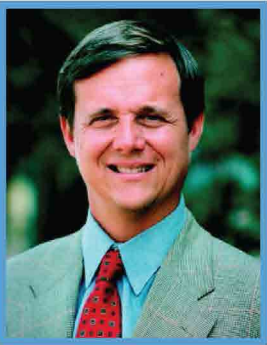
I encourage you to spend time in nature enjoying all that Oklahoma has to offer.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Thompson".



# ENVIRONMENTAL QUALITY BOARD MEMBERS



Member	Professional Realm	Appointing Official	Term Expires
Tim Munson*	Statewide Environmental Organization	Governor	1/31/2018
Shannon Ferrell	Agriculture Industries	Governor	1/31/2020
Daniel Blankenship**	Water Usage	Governor	1/31/2019
Jimmy Kinder	Rural Water District	Governor	1/31/2022
Tracy Hammon	Petroleum Industry	Governor	1/31/2019
David Griesel	Solid Waste Industry	Governor	1/31/2022
Homer Nicholson	Local Governing Board of City or Town	Governor	2/17/2020
Steve Mason	Hazardous Waste Industry	Governor	1/31/2021
Billy G. Sims	Non-profit Statewide Environmental Organization	Governor	1/31/2019
Jan Kunze	Conservation District Representative	Governor	1/31/2021
Michel Paque	Non-profit Statewide Environmental Organization	Governor	1/31/2022
John Wendling	Manufacturing Representative	Governor	1/31/2018
Vacant	Environmental Professional		

Top Row to Bottom Row (left to right):  
 Tim Munson, Shannon Ferrell, Daniel Blankenship, Jimmy Kinder, Tracy Hammon, David Griesel, Homer Nicholson, Steve Mason,  
 Billy G. Sims, Jan Kunze, Michel Paque (not pictured), John Wendling

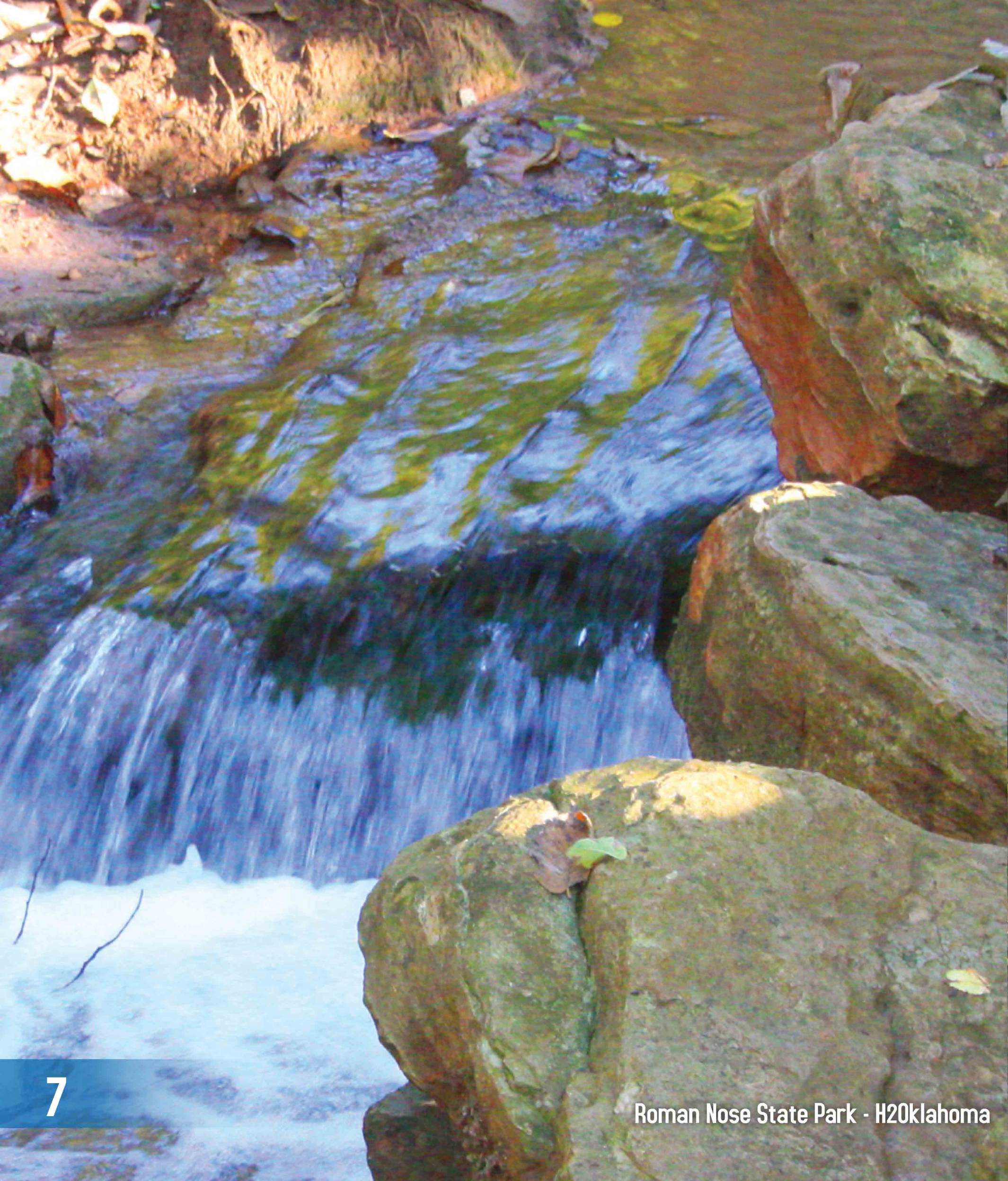
\* Chair  
 \*\* Vice Chair

# BOARD RULEMAKING ACTIVITIES

Chapter	Council	Subject	Adopted	Type	Effective
100 SCs 1 & 8	AQAC	Amended several provisions to align definitions with those promulgated by EPA. Also, a number of change removed and/or updated language in response to federal court decisions, EPA rule changes, and deficiencies identified during EPA Region 6's review of SIP submittals. The proposed changes are intended to make certain the state's rules are not less stringent than the federal rules, and thereby ensure DEQ retains approval of the PSD and Title V programs.	11/9/16	Permanent	9/15/17
100 SC 2 & Appendix Q	AQAC	Updated incorporation by reference the federal air quality NSPS and NESHAP rules as reflected in Appendix Q.	11/9/16	Permanent	9/15/17
205 SC 3	HWMAC	Updated incorporation by reference the federal hazardous waste regulations found in 40 CFR Parts 124 and 260-279 revised as of July 1, 2016.	11/9/16	Permanent	9/15/17
410 SC 1 & 10	RMAC	Updated incorporation by reference the federal NRC regulations to January, 2016. Requirements for reporting and protecting safe-guards information were moved to consolidate safeguards requirements in a single part. Shipping requirements for radioactive material were revised to harmonize with International Atomic Energy Agency transportation requirements and definitions were added or revised to conform with the updated shipping requirements. The changes were required for the Oklahoma Radiation Management program to remain compatible with federal rules.	11/9/16	Permanent	9/15/17
606 SC 1	WQMAC	Updated incorporation by reference to July 1, 2016. The most significant federal regulation updates are electronic reporting for NPDES; effluent limitations guidelines and standards (ELGs) for the steam electric power generating industry; the establishment of pretreatment standards that prevent the discharge of pollutants in wastewater from onshore unconventional oil and gas (UOG) extraction facilities to publicly owned treatment works (POTWs). The electronic reporting update will modernize the reporting of NPDES discharge program information from paper-based reporting to electronic reporting. The ELGs update establishes nationally applicable limits on the amount of toxic metals and other harmful pollutants that coal-fired steam electric power plants are allowed to discharge. The pretreatment standards for the discharge of pollutants in wastewater from onshore UOG extraction facilities to POTWs will help protect the operational integrity of POTWs.	11/9/16	Permanent	9/15/17
690	WQMAC	Updated incorporation by reference to July 1, 2016. Additionally, DEQ is separating into two sections the date of incorporation by reference and the list of rules incorporated. This change is consistent with other rules and will ease future rulemaking since the date of incorporation, not the list of rules, must be updated regularly.	11/9/16	Permanent	9/15/17

AQAC: Air Quality Advisory Council, HWMAC: Hazardous Waste Management Advisory Council, EQB: Environmental Quality Board, RMAC: Radiation Management Advisory Council, SWMAC: Solid Waste Management Advisory Council, WQMAC: Water Quality Management Advisory Council

Chapter	Council	Subject	Adopted	Type	Effective
4 SC 7 (ASD)	EQB	Amended to clarify existing rules pertaining to the refund of permit application fees and to allow for refund of application fees in certain situations. The Subchapter 7 rules generally prohibited refund of permit application fees except when DEQ had not met its own permit review deadlines. The amendments will also allow a refund when an applicant makes a timely request for the refund of an overpayment, and, when an applicant demonstrates that its application fees should not be forfeited in the case of a voided application. Additionally, the proposed amendments would allow DEQ to retain 15 percent of the amount to be refunded up to \$500.00 in order to cover the agency's direct and indirect costs in processing permit applications, except in cases of DEQ error or DEQ failure to meet review deadlines.	2/17/17	Permanent	9/15/17
4 SC 7 (AQD)	AQAC	Amended to provide additional notice content requirements for Clean Air Act Permits so DEQ's notice content requirements for Prevention of Significant Deterioration (PSD) permits are consistent with those promulgated by EPA. This removed an obstacle in EPA Region 6 staff's review and approval of relevant portions of Oklahoma's State Implementation Plan (SIP), which will help ensure that DEQ retains the PSD program. The changes would affect only the process for permits issued under OAC 252:100-8, Part 7 (PSD), and would not affect the process for permits issued under other chapters of DEQ rules.	2/17/17	Permanent	9/15/17
4 SC 7 (LPD)	SWMAC	Amended OAC 252:4-7-58 and OAC 252:4-7-59 to modify and clarify permitting process requirements and associated tiers that apply to solid waste composting facilities	2/17/17	Permanent	9/15/17
100 SC 7	AQAC	Amended permits for Minor Facilities, by adding references to EPA's (NSPS), 40 CFR Part 60, Subpart OOOOa. This ensured that the current Permit by Rule covers facilities subject to NSPS Subpart OOOOa and the emission calculation methodologies contained therein.	2/17/17	Permanent	9/15/17
515 SC's 1, 3, 13, 19, 25, 27, 29, & 43	SWMAC	Amended OAC 252:515 and created a new subchapter, OAC 252:515-43, to allow for a tiered permitting and regulatory structure for different classes of solid waste composting facilities. The classes of facilities are based on the type and quantity of material to be received and composted at a particular facility. All proposed amendments to OAC 252:515 are associated with the creation of the new subchapter and are necessary to ensure consistency with the new subchapter.	2/17/17	Permanent	9/15/17
517 SC's 9 & 15	SWMAC	Amended OAC 252:517 to reflect EPA's amendments to 40 CFR Part 257, Subpart D(Federal Coal Combustion Rule). Notably, DEQ incorporated the requirements of the federal Coal Combustion Residual in its entirety to ensure the state and federal regulations pertaining to coal combustion residuals (CCR) disposal were uniform. The amendments removed the early closure provisions for CCR surface impoundments, and references thereto, and extend certain timeframes, all for purposes of ensuring the state CCR rules are consistent with the federal CCR rule.	2/17/17	Permanent	9/15/17



# AIR QUALITY ADVISORY COUNCIL

Member	Professional Realm	Appointing Official	Term Expires
<b>Gerald Butcher</b>	<i>Electric Utilities</i>	<i>Governor</i>	<i>6/15/2020</i>
<b>Montelle Clark</b>	<i>General Public</i>	<i>Governor</i>	<i>6/15/2019</i>
<b>Gary Collins</b>	<i>Agriculture</i>	<i>Governor</i>	<i>6/15/2024</i>
<b>David Gamble**</b>	<i>Petroleum</i>	<i>Governor</i>	<i>6/15/2019</i>
<b>Jim Haught</b>	<i>Transportation</i>	<i>Governor</i>	<i>6/15/2021</i>
<b>Laura Lodes*</b>	<i>Engineering</i>	<i>Governor</i>	<i>6/15/2020</i>
<b>Jeffrey P. Taylor</b>	<i>Local Government</i>	<i>Governor</i>	<i>6/15/2022</i>
<b>Robert D. Delano, Ph.D.</b>	<i>Higher Education</i>	<i>Governor</i>	<i>6/15/2018</i>
<b>Stephen Landers</b>	<i>Manufacturing</i>	<i>Governor</i>	<i>6/15/2023</i>

\*Chair \*\* Vice Chair

The Air Quality Advisory Council (AQAC) is authorized by the Oklahoma Clean Air Act to review air quality issues and hold public hearings as part of the state's rulemaking process. Once approved by the nine-member panel, proposed rules are recommended to the Environmental Quality Board (EQB). Upon EQB adoption, the rules proceed to the state Legislature and Governor for final approval and adoption.

AQAC members are appointed by the Governor for seven-year terms and represent a range of related professions as set forth in the Oklahoma statutes. This year, the AQAC voted to elect Laura Lodes, representing the engineering profession, as Chair, and David Gamble, representing the petroleum industry, as Vice Chair for the 2017 calendar year.

Three meetings were held during state fiscal year (FY) 2017. At the October 2016 meeting, the AQAC recommended for adoption the annual update of Appendix Q, Incorporation By Reference, to incorporate the latest modifications to federal regulations, and updating language in Subchapter 2, Incorporation By Reference, to

reflect the latest date of incorporation of EPA regulations in Appendix Q. The appendix is updated annually to incorporate federal regulations relating primarily to New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) that will be enforced by the state.

Also at the October meeting, the AQAC recommended for adoption changes to definitions in OAC 252:100, Subchapter 1, General Provisions, and Subchapter 8, Permits for Part 70 Sources and Major New Source Review (NSR) Sources, to align the DEQ's definitions with those promulgated by EPA.

In a rule-related action, the AQAC heard and granted a Petition for Rulemaking from the Oklahoma Department of Labor (DOL) pertaining

to asbestos abatement requirements in OAC 252:100-40. Working with DOL officials, Air Quality Division staff later determined that no rule change was necessary.

The second FY 17 meeting was held in January 2017. The AQAC recommended an amendment to Chapter 4, Rules of Practice and Procedure, specifically OAC 252:4-7-13, Notices, to align DEQ's notice content

requirements for Prevention of Significant Deterioration (PSD) permits with those promulgated by EPA. Also recommended to the EQB was an amendment to the Permit By Rule (PBR) in OAC 252:100-7 to add references to EPA's recently promulgated New Source Performance Standards (NSPS) in 40 CFR Part 60, Subpart OOOOa.

The third and final meeting of FY 17 was held in June in Owasso where three new members were welcomed to the AQAC. A presentation was given to the AQAC on a new Permit By Rule for Gasoline Dispensing Facilities DEQ had drafted. No rules were recommended to the EQB from this meeting.

# HAZARDOUS WASTE MANAGEMENT ADVISORY COUNCIL

Member	Professional Realm	Appointing Official	Term Expires
<b>Debra Smith</b>	<i>Political Subdivision</i>	<i>Governor</i>	<i>3/1/2020</i>
<b>Noble Stanfield</b>	<i>Nonprofit Environmental Organization</i>	<i>Governor</i>	<i>3/1/2018</i>
<b>Bob Kennedy</b>	<i>Industry</i>	<i>Governor</i>	<i>3/1/2020</i>
<b>Wesley Anderson</b>	<i>Industry Generating Hazardous Waste</i>	<i>Pro Tempore</i>	<i>2/13/2015</i>
<b>Michael D. Graves</b>	<i>General Public</i>	<i>Pro Tempore</i>	<i>5/12/2018</i>
<b>Marsha Slaughter</b>	<i>Political Subdivision</i>	<i>Pro Tempore</i>	<i>3/11/2018</i>
<b>Terry Vandell</b>	<i>Geology</i>	<i>Speaker of the House</i>	<i>3/31/2016</i>
<b>Ray Reaves**</b>	<i>Engineering</i>	<i>Speaker of the House</i>	<i>3/31/2018</i>
<b>Lee Grater*</b>	<i>Hazardous Waste Industry</i>	<i>Speaker of the House</i>	<i>3/31/2017</i>

\*Chair \*\* Vice Chair

The Hazardous Waste Management Advisory Council (HWMAC) serves as the initial rulemaking body, for hazardous waste, for the Land Protection Division and operates under the authority of the Hazardous Waste Management Act. The HWMAC holds public hearings, reviews hazardous waste issues, and provides expertise about various hazardous waste issues. The HWMAC plays a crucial role in ensuring that the DEQ's EPA-authorized hazardous waste program is equivalent to the federal program. All hazardous waste rules and regulations must first be reviewed and approved by the HWMAC before being presented to the EQB. Once approved by the EQB, the rules proceed to the state Legislature and then the Governor for final approval. The council is composed of nine members representing specific areas of expertise as described by 27A O.S. 2-2-201(D), in the Oklahoma Environmental Quality Code.

The HWMAC met October 13, 2016. The meeting was held to approve the annual Incorporation By Reference (IBR) update. The IBR intent was to change the IBR date to 2016 to ensure equivalency with the federal program and to correct an error discovered from a previous rulemaking that resulted in state rules not being equivalent to federal rules. The meeting also included a budget presentation after which the meeting was adjourned.

# SOLID WASTE MANAGEMENT ADVISORY COUNCIL

Member	Professional Realm	Appointing Official	Term Expires
<b>Matthew B. Newman</b>	<i>Solid Waste Industry</i>	<i>Governor</i>	<i>6/30/2016</i>
<b>Traci Phillips</b>	<i>Statewide Environmental Organization</i>	<i>Governor</i>	<i>3/1/2019</i>
<b>Ilda Hershey</b>	<i>General Public</i>	<i>Governor</i>	<i>3/1/2020</i>
<b>Rodney L. Cleveland</b>	<i>County Commissioner</i>	<i>Governor</i>	<i>3/1/2015</i>
<b>Thomas Lazarski</b>	<i>Industry Generating Solid Waste</i>	<i>Pro Tempore</i>	<i>3/16/2020</i>
<b>Jim Linn</b>	<i>Political Subdivision</i>	<i>Pro Tempore</i>	<i>3/1/2019</i>
<b>Bill Torneten</b>	<i>Geology</i>	<i>Pro Tempore</i>	<i>3/1/2018</i>
<b>Brenda Merchant**</b>	<i>Transportation</i>	<i>Speaker of the House</i>	<i>12/14/2017</i>
<b>M. Todd Adcock</b>	<i>Solid Waste Disposal Industry</i>	<i>Speaker of the House</i>	<i>3/7/2017</i>
<b>Jeffrey A. Shepherd*</b>	<i>Engineering</i>	<i>Speaker of the House</i>	<i>10/31/2016</i>

\*Chair \*\* Vice Chair

The Solid Waste Management Advisory Council (SWMAC) serves as the initial rulemaking body for solid waste matters and operates under authority of the Oklahoma Solid Waste Management Act. The SWMAC holds public hearings, reviews solid waste issues, and provides expertise about various solid waste issues. All solid waste rules and regulations must first be reviewed and approved by the SWMAC before being recommended to the EQB. Once approved by the EQB, the rules proceed to the State Legislature and the Governor for final approval. The SWMAC is composed of ten members who represent specific areas of expertise as described by 27A O.S. 2-2-201(E), in the Oklahoma Environmental Quality Code.

Two regular meetings of the SWMAC were convened during FY 17. A rulemaking initiative was undertaken and resulted in the passage of a new subchapter of solid waste rules. Subchapter 43, Composting Facilities, was created within Chapter 515, Management of Solid Waste. The gist of the rule is to replace the current regulations pertaining to solid waste composting facilities to allow for a tiered permitting and regulatory structure based on the type and quantity of material to be composted to provide more flexibility for composting. Amendments were accomplished to Chapter 517, Disposal of Coal Combustion Residuals (CCR) from Electric Utilities in response to changes in the Federal CCR Rule. Amendments removed the early closure provisions for CCR surface impoundments and extended certain timeframes for purposes of ensuring state CCR rules were consistent with the Federal CCR Rule.

# RADIATION MANAGEMENT ADVISORY COUNCIL

Member	Professional Realm	Appointing Official	Term Expires
<b>Karen Jennings**</b>	<i>Environmental Organization</i>	<i>Governor</i>	<i>7/1/2018</i>
<b>Steve Woods</b>	<i>Engineering Profession</i>	<i>Governor</i>	<i>7/1/2017</i>
<b>Jason Kurt Steincamp</b>	<i>Industry located in this state which uses sources of radiation in its manufacturing or processing business</i>	<i>Governor</i>	<i>7/1/2019</i>
<b>Christopher Honigsberg</b>	<i>General Public</i>	<i>Pro Tempore</i>	<i>5/1/2017</i>
<b>Wayne Conway</b>	<i>Industrial Radiography</i>	<i>Pro Tempore</i>	<i>3/3/2019</i>
<b>George McDurmon*</b>	<i>Higher Education</i>	<i>Pro Tempore</i>	<i>1/4/2018</i>
<b>Eric Mitchell</b>	<i>Transportation Industry</i>	<i>Speaker of the House</i>	<i>6/30/2016</i>
<b>Shawn Heldebrandt</b>	<i>Medical Industry</i>	<i>Speaker of the House</i>	<i>6/30/2015</i>
<b>Chad Mashburn</b>	<i>Petroleum Industry</i>	<i>Speaker of the House</i>	<i>6/30/2017</i>

\*Chair \*\* Vice Chair

The Radiation Management Advisory Council (RMAC) serves as the initial rulemaking body on radiation issues for the Land Protection Division, and operates under the authority of the Oklahoma Radiation Management Act. The RMAC holds public hearings, reviews radiation issues, and provides expertise about various radiation issues. All radiation rules and regulations must first be reviewed and approved by the RMAC before being recommended to the EQB. Once approved by the EQB, the rules proceed to the state Legislature and the Governor for final approval. The RMAC is composed of nine members who represent specific areas of expertise as described in 27A O.S. § 2-2-201 (F) in the Oklahoma Environmental Quality Code.

The Radiation Management Advisory Council (RMAC) met April 6, 2017. During the meeting, officers were elected, and the RMAC was briefed on various topics. The council was advised of an expected rulemaking for 2018, and the meeting was adjourned.

# WATER QUALITY MANAGEMENT ADVISORY COUNCIL

Member	Professional Realm	Appointing Official	Term Expires
<b>Joe Nelson</b>	<i>General Public</i>	<i>Governor</i>	<i>3/1/2020</i>
<b>Mike J. Paque/Vacant</b>	<i>Environmental Organization</i>	<i>Governor</i>	<i>3/1/2018</i>
<b>Jeffrey E. Short**</b>	<i>Engineering</i>	<i>Governor</i>	<i>3/1/2019</i>
<b>Brian Duzan</b>	<i>Private Laboratory</i>	<i>Governor</i>	<i>3/1/2020</i>
<b>Jim Rodriguez</b>	<i>Industry</i>	<i>Pro Tempore</i>	<i>3/16/2020</i>
<b>Steve Sowers</b>	<i>Oil Field Related</i>	<i>Pro Tempore</i>	<i>3/2/2018</i>
<b>Duane L. Winegardner*</b>	<i>Geology</i>	<i>Pro Tempore</i>	<i>2/19/2018</i>
<b>Robert Carr, Jr.</b>	<i>Waterworks or Wastewater Works Operator Municipal</i>	<i>Pro Tempore</i>	<i>10/31/2019</i>
<b>Debbie Wells</b>	<i>Rural Water District</i>	<i>Speaker of the House</i>	<i>6/30/2016</i>
<b>Terry Wyatt</b>	<i>Agriculture</i>	<i>Speaker of the House</i>	<i>6/30/2016</i>
<b>Vacant</b>	<i>Local Government</i>	<i>Speaker of the House</i>	
<b>Mark Matheson</b>	<i>Waterworks or Wastewater Works Operator/Rural District</i>	<i>Speaker of the House</i>	<i>6/30/2016</i>

\*Chair \*\* Vice Chair

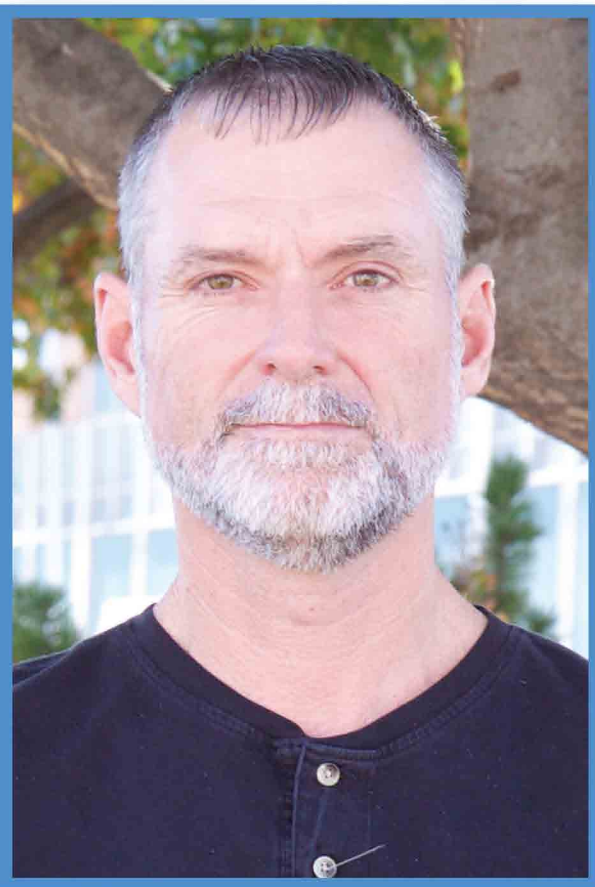
The Water Quality Management Advisory Council (WQMAC) is made up of twelve members, who are appointed for three-year terms and represent a wide variety of interested parties. Four members are appointed each by the Governor, the Speaker of the House, and the President Pro Tempore of the Senate. WQMAC typically meets four times a year; however, additional meetings are sometimes scheduled in order to address a rule change that does not fit the regular meeting schedule.

WQMAC reviews and recommends rules governing water quality to the EQB. Currently, 21 chapters of rules are under the authority of WQMAC. These include regulations for laboratory accreditations, laboratory services, industrial and municipal wastewater, general water quality, wastewater lagoon and land application systems, pretreatment, minor public water supply, public water supply, water and wastewater construction standards, biosolids, water reuse, drinking water state revolving fund, small public and private sewage systems, septage pumps and transporters, underground injection control, implementation of water quality standards, and waterworks and wastewater works operator certification.

During FY 2017, WQMAC passed rule changes to Chapters 606, 624, and 690.



# EMPLOYEE OF THE QUARTER



**RONNIE BRISON**

1st Quarter  
**Environmental  
Complaints &  
Local Services**



**DAVID MERCER**

2nd Quarter &  
**EMPLOYEE OF  
THE YEAR**  
Water Quality  
Division



**HEATHER SESSING**

3rd Quarter  
**Air Quality  
Division**



**KAREN STEELE**

4th Quarter  
**Water Quality  
Division**

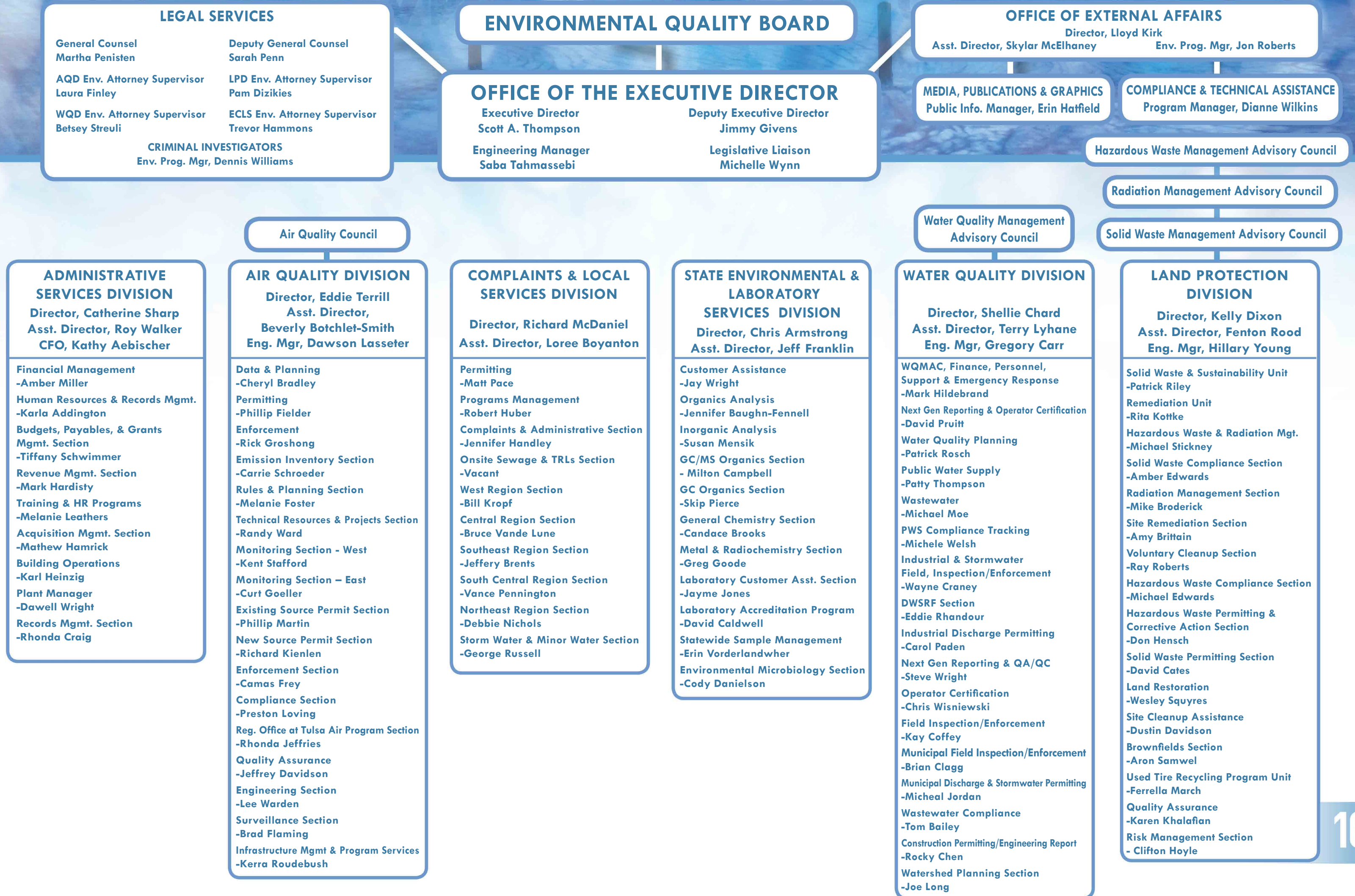


# MISSION STATEMENT

*... to enhance the quality of life in Oklahoma and protect the health of its citizens by protecting, preserving and restoring the water, land and air of the state, thus fostering a clean, attractive, healthy, prosperous and sustainable environment.*

- 1** Solve problems through effective processes and customer service approaches.
- 2** Provide standardized, effective, timely and enforceable permitting processes.
- 3** Provide services to citizens, businesses and local governments on issues within the Department's mission.
- 4** Solve problems through a responsive, equitable and timely environmental complaints process and emergency response system.
- 5** Provide consistent inspection, monitoring and enforcement within the bounds of the Department's statutory jurisdiction.

# ORGANIZATIONAL CHART





*As considered and approved by the Environmental Quality Board  
on November 9, 2016*

*For submittal to the Governor and Legislature on or before January 1, 2017*

DEQ is required by statute annually to submit an “Environmental Quality Report” to the Governor, the President Pro Tempore of the Senate and the Speaker of the House of Representatives. It is to outline DEQ’s annual budget needs for providing the environmental services within its jurisdictional areas, any new federal mandates, and state statutory or constitutional changes recommended by DEQ. The report must be reviewed and approved by the EQB prior to its submittal to the Governor and Legislature.

## **I. ANNUAL BUDGET REQUEST**

As a result of action by the Oklahoma legislature and governor, DEQ is receiving \$5,987,388 in state appropriated funding for current FY17. This represents a reduction of 11.65% from FY16 appropriation of \$6,776,896, and is almost \$3.1 million less than DEQ received as recently as FY 2014.

The level of cuts in recent years strongly warrants a request for an increase in state appropriations for FY18. DEQ, with the approval of the EQB, is requesting a general revenue appropriation of \$7,304,232. The details of this request are contained in Appendix A to this report.

DEQ’s total budget for FY18 – including fee revenues and federal funds, is indeterminate as of the date of submittal of this report. This is because of some variability in fee income, but also uncertainty over state appropriated funding during a continuing economic downturn and over the level of federal grant funding which will be available to the states. The total DEQ budget for current FY17 is roughly \$85,000,000, comprised of approximately 7% state general revenue funding, 28% federal funding, 10% federal funding for the Office of the Secretary of Energy and Environment, and 55% fee funding. Appendix B contains additional details. Should state or federal funding substantially decrease, DEQ would have to further reduce activities and/or secure additional fee funding.

# **ENVIRONMENTAL QUALITY REPORT**



## II. FEDERAL MANDATES

### AIR QUALITY DIVISION (AQD)

#### **Ozone National Ambient Air Quality Standard**

In 2015, EPA lowered the National Ambient Air Quality Standard (NAAQS) for ozone from 75 ppb to 70 ppb.

Final ozone attainment designations for the states will be based on data from the 2014-2016 timeframe. Based on DEQ's analysis of the data from that three-year period, Governor Fallin has submitted a letter to EPA recommending that Oklahoma in its entirety be designated attainment/unclassifiable. To reduce the potential for nonattainment in the future, AQD will continue to work closely with the Councils of Governments (COGs) across the state, and especially the Indian Nations Council of Governments (INCOG) and the Association of Central Oklahoma Governments (ACOG), in educational efforts and continued implementation of voluntary "Ozone Advance" plans.

#### **Sulfur Dioxide National Ambient Air Quality Standard**

In 2010, EPA strengthened the health-based NAAQS for sulfur dioxide (SO<sub>2</sub>) by establishing a new one-hour standard of 75 parts per billion (ppb). In 2015, EPA issued additional guidance and schedules implementing this change. This guidance required an analysis of various SO<sub>2</sub> emission units across the state using a combination of modeling and monitoring to determine compliance with the one-hour standard. AQD staff has spent a considerable amount of time over the past two years modeling a number of sources and working with them to determine their compliance status and whether monitoring would be necessary. Staff has determined at least two new SO<sub>2</sub> monitoring sites will need to be established. Additional source-specific monitors may be required in the future.

#### **Clean Power Plan**

In 2014, the President directed EPA to issue carbon standards for new and existing power plants. In 2015, EPA finalized the Clean Power Plan (CPP),

which is designed to reduce greenhouse gas emissions from existing sources and finalized requirements for new sources. Under the CPP rule as issued, implementation plans from each state would be due to EPA by no later than September 2018.

In April of 2015, Governor Fallin issued an executive order, prohibiting DEQ from beginning efforts to develop an implementation plan for Oklahoma. The executive order does not preclude DEQ from monitoring developments and engaging with stakeholders.

Twenty-seven states, including Oklahoma, and numerous industry groups challenged the CPP's legality in the D.C. Circuit Court of Appeals. In February 2016, the U.S. Supreme Court issued an order to stay implementation of the CPP pending judicial review. The stay will remain in effect until the D.C. Circuit resolves the legal challenges to the CPP and either the Supreme Court decides not to review the D.C. Circuit's decision or the Supreme Court issues its own opinion. Oral arguments before the D.C. Circuit en banc were held on September 27, 2016; a decision by that court is pending.

## SOLID WASTE

### *Landfill Emissions*

In August of 2016, EPA published New Source Performance Standards (NSPS) and Emission Guidelines and Compliance Times (EG) for Municipal Solid Waste Landfills (MSWLFs). The EG will affect existing MSWLFs through a State Implementation Plan to be developed by DEQ's Air Quality Division. The NSPS applies to new, modified and reconstructed MSWLFs. Landfills affected by the NSPS have 90 days to submit an initial design capacity report and a non-methane organic compound (NMOC) report to EPA, with a copy to AQD.

Under both the NSPS and the EG, the emissions threshold for triggering landfill gas collection and control system requirements at active landfills would be lowered from 50 metric tons of NMOC to 34 metric tons; closed landfills would remain subject to the 50-metric-ton threshold. The EG also provided landfills that close on or before September 29, 2017, would be

subject to the 50-metric-ton threshold and are exempt from initial design capacity and NMOC reporting requirements. LPD and AQD are coordinating on outreach that may be needed for landfills.

### *Coal Combustion Residuals*

The federal CCR Rule, which became effective in October of 2015, was altered by a court-mandated change this year. The mandate provides some relief in timelines for compliance but also removes exemptions for closure of certain impoundments. This will require a change in the state rules to stay consistent with the federal rule. LPD will propose rule changes to the SWMAC in early 2017. In addition, the Senate recently passed the CCR Regulatory Improvement Act to authorize state programs for the control of CCR. This means state CCR permitting programs would be subject to direct EPA oversight. The act passed by the Senate now needs to be reconciled with the House's H.R. 1734, the Improving CCR Regulation Act of 2015, which passed the House in July of 2015.

DEQ has some concerns about opening elements of the solid waste program to delegation and direct oversight by EPA, and about providing other states the option to audit and/or challenge a permit. However, it appears that industry

generally is in support of an authorized program for CCR.

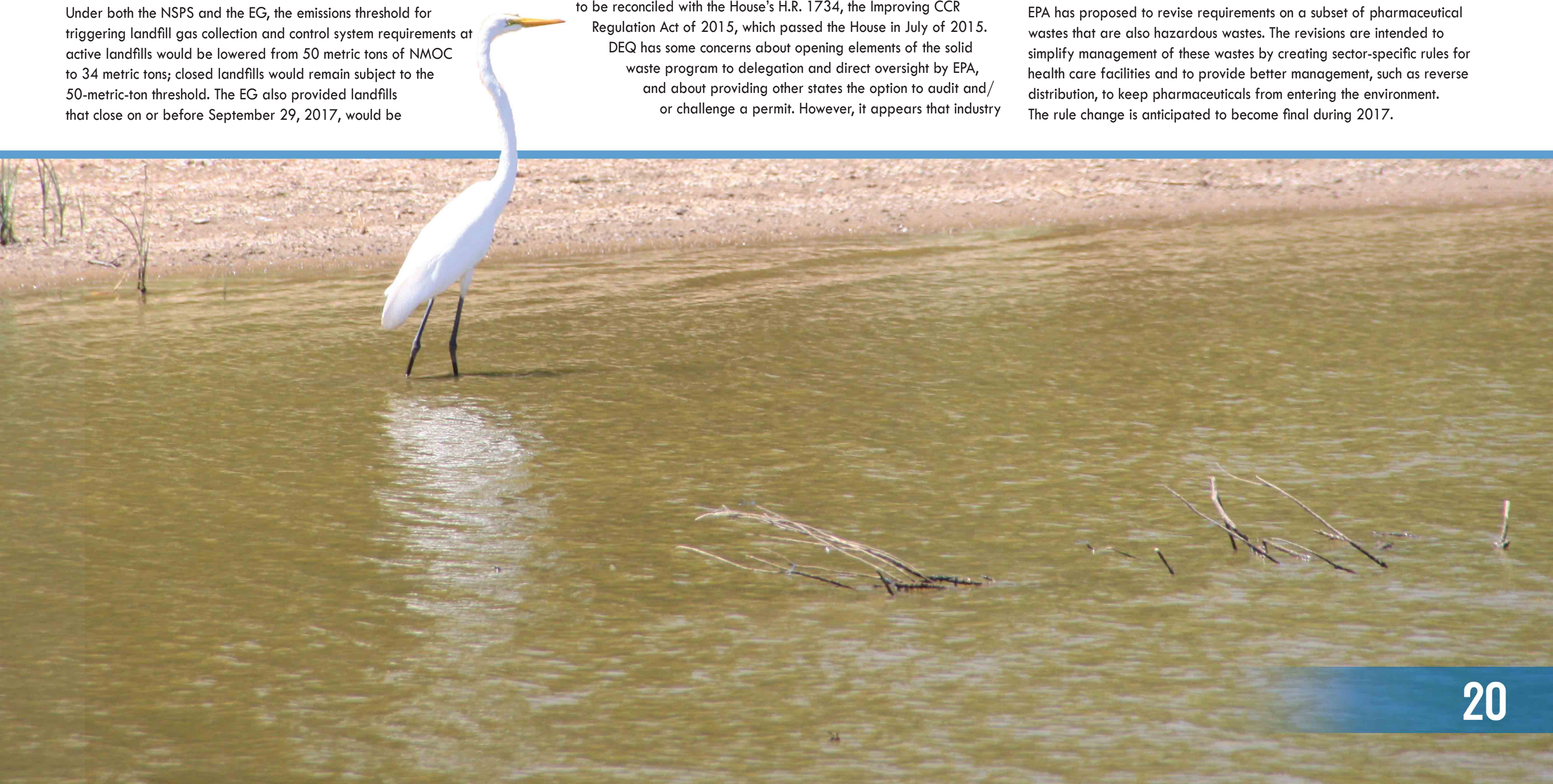
## HAZARDOUS WASTE

### *Generators*

EPA's "Hazardous Waste Generator Improvements Rule," published as a proposed rule in September 2015, was issued as a final rule on October 28, 2016. It includes a fairly comprehensive revision of the rules governing hazardous waste generators. The rule includes provisions that would loosen the requirements for waste consolidation within the same company and provide additional flexibility to deal with episodic waste generation.

### *Pharmaceuticals*

EPA has proposed to revise requirements on a subset of pharmaceutical wastes that are also hazardous wastes. The revisions are intended to simplify management of these wastes by creating sector-specific rules for health care facilities and to provide better management, such as reverse distribution, to keep pharmaceuticals from entering the environment. The rule change is anticipated to become final during 2017.





## **CLEANUP PROGRAMS [SUPERFUND, BROWNFIELDS, VOLUNTARY CLEANUP PROGRAM, AND RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) CORRECTIVE ACTION]**

### ***Vapor Intrusion***

In February of 2016, EPA proposed adding the “subsurface intrusion” (often referred to as vapor intrusion) pathway to the Hazard Ranking System (HRS) for inclusion of sites on the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) National Priorities List (NPL). The addition would enable the HRS to directly account for human exposure to contaminants that enter building structures through the subsurface environment. EPA does not plan to systematically re-score sites that have already been scored; however, when new information about a site comes to light, a site can be re-evaluated. If the rule proposal is finalized, such re-scoring will include subsurface intrusion. EPA expects the rule to be finalized in February of 2017. This could increase the number of sites that would be considered NPL sites.

### ***National Emission Standards for Hazardous Air Pollutants (NESHAP) Site Remediation Rule***

In May 2016, EPA published proposed changes to the NESHAP: Site Remediation. EPA is proposing to amend the NESHAP to remove the exemption for site remediation activities conducted under the authority of CERCLA, a RCRA corrective action, or other RCRA order. EPA is also proposing to require stand-alone site remediations, with the potential to emit 10 tons per year of a single Hazardous Air Pollutant (HAP) or 25 tons per year for a combination of HAPs, to comply with the rule. It is unknown when the final rule may be issued.

## **WATER QUALITY DIVISION (WQD) and STATE ENVIRONMENTAL LABORATORY SERVICES DIVISION (SELS)**

### ***SAFE DRINKING WATER ACT***

#### ***Reduction of Lead in Drinking Water Act***

The federal Reduction of Lead in Drinking Water Act became effective in 2014. Drinking water systems have been confused by the self-implementing federal law. EPA is preparing rulemaking to clarify the requirements. Due to the issues raised in the Flint, Michigan, case, this rule is a priority for EPA. As a result of the national attention, it is expected to continue at a rapid pace even with the upcoming change in administration. It is expected that

the rule will be finalized within the next 12-18 months. DEQ expects to receive more questions and requests for sampling once the rule is released for public notice. The costs to DEQ are unknown at this time. Theoretically, there should be no increased costs to drinking water systems since the federal law is already effective. However, DEQ has already been working closely with some systems that have installed non-compliant piping, valves, and meters.

### ***Lead and Copper Rule Long-Term Revision***

EPA has informed states that it intends to publish the final Lead and Copper Rule Long-Term Revision during 2017. The revision process has been underway for many years, but with the national media and Congressional attention on the lead-in-drinking-water issue, EPA has accelerated the timeline. This rule will require additional monitoring, reporting, and public education for public water supply systems and for the first time will separate the required monitoring for lead and copper. Every water system will be required to submit new monitoring plans. There will be a push for complete replacement of lead service lines rather than a combination of replacement and management through water treatment. Line replacement could mean significant costs to water systems, depending upon the amount of line replacement necessary. WQD will see increased costs associated

with reviewing all of the required monitoring plans, making compliance determinations, and meeting an increased need by public water supply systems for technical assistance. Especially because of the expected separate monitoring for lead and copper, SELS workloads for laboratory customer assistance, sample management and analysis will increase.

### ***Miscellaneous***

EPA continues to explore regulation of, e.g., strontium, hexavalent chromium, perchlorate, and perfluorocarbons. Besides the impact that regulation would have on WQD's workload, SELS would need to implement new, highly complex analytical technology, with approximately a two-year implementation period. Regulation of any or all of the listed items has the potential to dramatically impact laboratory customer assistance and sample management resource demands as well.

## **CLEAN WATER ACT**

### ***Electronic Reporting Rule***

The Electronic Reporting Rule (mandating that all required National

Pollutant Discharge Elimination System reports, Notices of Intent and Notices of Termination be filed electronically in the federal data system) has been finalized. All wastewater permit holders that are required to submit data on Discharge Monitoring Reports must submit that data electronically by December 21, 2016. The next two phases of the rule will become effective over the next five years. States that began early implementation are seeing higher costs to make the IT programs work properly, to meet quality assurance requirements, and to provide technical assistance to systems learning the data system.

### ***Advance Notice of Proposed Rulemaking for Baseline National Tribal Water Quality Standards***

In September of 2016, EPA published advance notice that it intends to implement national tribal water quality standards where tribes do not have Treatment as a State status and do not establish their own water quality standards. In addition, EPA is creating new designated beneficial uses that do not currently apply. This poses potential economic and environmental

concerns in Oklahoma due to the lack of formal Indian reservations, which can make determination of exactly where these standards would apply very difficult. The cost of compliance for the regulated community is unknown. The cost to DEQ will be significant where multiple water quality standards apply to a single discharger. The time and effort of staff to determine permit limits will increase with each additional standard.

### ***National Pollutant Discharge Elimination System (NPDES) Program Update Rule***

This rule provides updates to the NPDES program related to state implementation and decision-making. Changes include additional data requirements for new and renewal applications, additional documentation for water-quality-based permit limits, revised requirements regarding public notice and retention of electronic documents, and a provision allowing EPA to consider administratively continued permits to be draft permits. Such administrative continuance would start the timeframe that DEQ would have to update a permit to EPA's satisfaction, or else EPA could begin the process to "federalize" the permit. This would significantly increase the workload of DEQ and put the regulated community at risk for federalized permits. After initial publication in May of 2016, EPA received





over 14,000 comments. Most of the comments centered on the administratively continued permit issue. We expect to see some changes when the rule is finalized in 2017.

### ***Effluent Limitations Guidelines***

EPA is in the process of completing or has recently published a series of new Effluent Limitation Guidelines for dischargers, ranging from unconventional oil and gas extraction (hydraulic fracturing) to dental offices to power plants. DEQ will be spending a great deal of staff time working with impacted entities to comply with these regulations. The greatest potential impact to the regulated community is the dental amalgam pretreatment requirement. Dental offices have not been previously regulated but now will be covered by the pretreatment programs of municipal wastewater treatment plants. A preliminary survey in just one county in Oklahoma revealed over 200 dental offices that potentially would be regulated. DEQ will be working with pretreatment cities and dental offices to determine which can be excluded from the EPA requirement and which will now be regulated.

### **III. LEGISLATIVE RECOMMENDATIONS**

The following is proposed as a DEQ “request” bill for the 2017 Oklahoma regular legislative session.

#### **MEMBERSHIP OF THE OKLAHOMA HAZARDOUS MATERIALS EMERGENCY RESPONSE COMMISSION**

The Oklahoma Hazardous Materials Emergency Response Commission (OHMERC) is composed of state officials from several agencies, including DEQ, as well as representatives of “first responders” and the business community. OHMERC provides a mechanism for information-sharing, education, planning, preparedness, reporting and response activities related to spills or releases of hazardous substances. OHMERC works closely with local emergency planning committees (LEPCs).

With one exception, the heads of all state agencies that are members of

OHMERC are authorized to designate someone to participate in OHMERC on their behalf. When the Fire Marshal was added as a member by legislation in 1993, for some unknown reason there was no mention of authorization to appoint a designee. By statute, DEQ is responsible for providing administrative support to OHMERC. The Fire Marshal’s office has requested the assistance of DEQ to pursue legislation to correct this apparent statutory oversight. DEQ proposes to cooperate with the Fire Marshal’s Office on a request bill to allow the Fire Marshal to name a designee to OHMERC.



## APPENDIX A

### Oklahoma Department of Environmental Quality Proposed Operation Funding Changes For the Fiscal Year Ending 06/30/2018

Priority	Recurring Appropriation Requests	FY 2017 Appropriation	FY 2018 Additional Request	FY 2018 Appropriation
1	ECLS- Statewide Coverage	\$ 2,749,525	\$ 316,844	\$ 3,066,369
2	DEQ - DWSRF Loan Maximization		\$ 1,000,000	\$ 1,000,000
	SELS	\$ 1,781,131		\$ 1,781,131
	WQD	\$ 1,456,732	-	\$ 1,456,732

**Recurring Funding Requests \$ 5,987,388 \$ 1,316,844 \$ 7,304,232**

\*Loan maximization would replace the use of some federal DWSRF funds for drinking water program implementation with state appropriations and therefore increase the amount made available to the DWSRF loan fund for infrastructure assistance for Oklahoma communities.

#### ECLS - Statewide Coverage

This request allows ECLS to fill four positions that were not funded in FY 2017. Filling these will bring ECLS field staff to the number of positions

required by the staffing model. These positions will enable us to process permit applications promptly, better assist small communities with drinking water, wastewater, and solid waste problems and more effectively respond to natural disasters (drought, tornadoes, floods, power outages, etc.) and manmade disasters such as accidental water supply contamination.

#### DEQ- DWSRF Loan Maximization

The Department of Environmental Quality (DEQ) is requesting \$1,000,000 in state appropriations in order to maximize the amount available for loans under the Drinking Water State Revolving Fund (DWSRF). The DWSRF allows the state to set aside up to 31% of the annual grant amount to support the overall drinking water program; however, this takes funds available for loans to publicly owned drinking water systems.

Based on the loan program's ability to leverage the funding, every dollar added to the loan program results in up to ten dollars in available funding for drinking water projects for communities and rural water districts.

If approved, this request could add up to \$10,000,000 in availability for these loans. Considering recent issues such as drought and the increasing need for water conservation and reuse, it is vital that water systems have sufficient resources to respond.

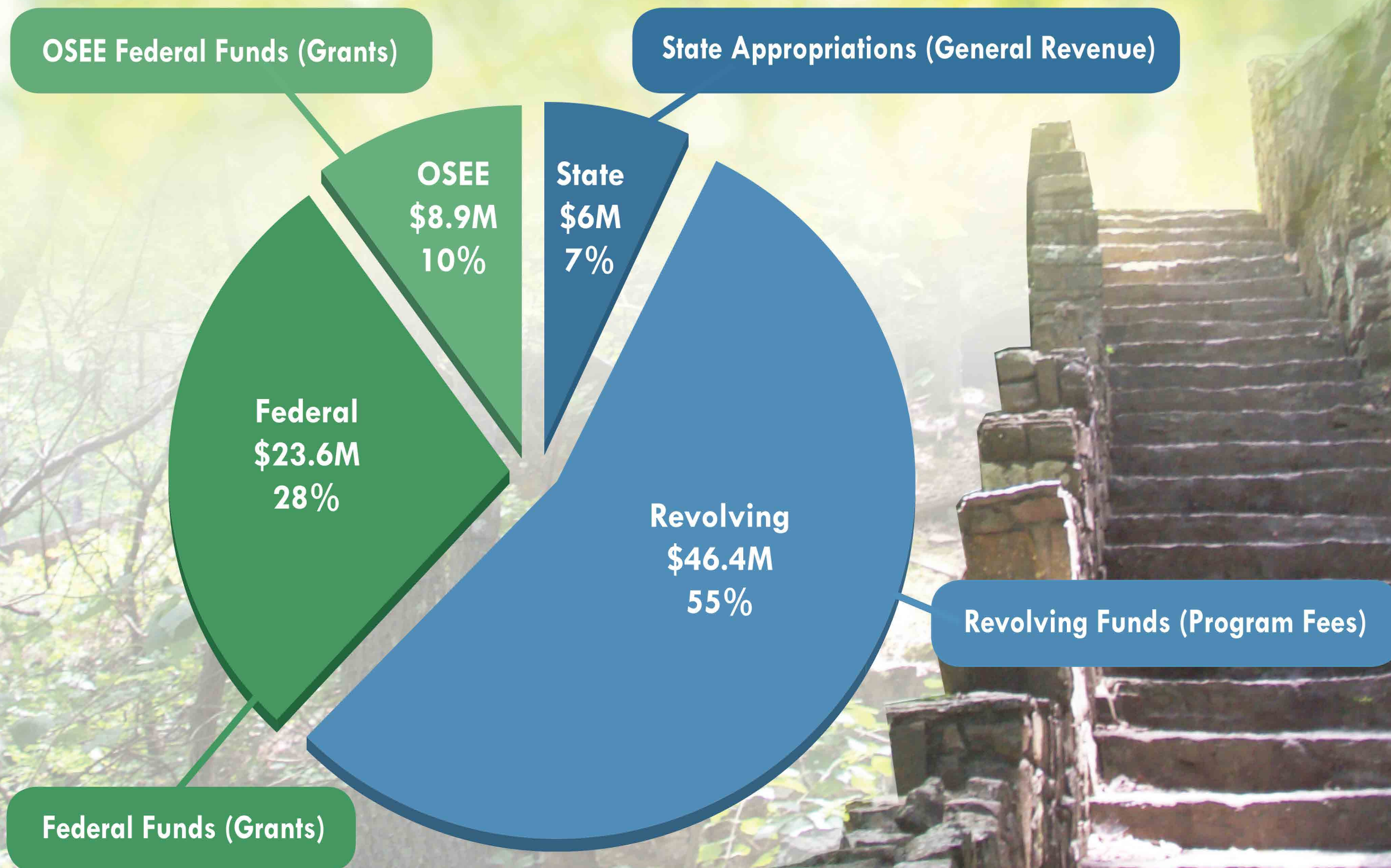
## APPENDIX B

### Department of Environmental Quality FY2017 Budget

Budget	
Salaries and other Compensation Expenses	\$ 46,463,824
Professional Services	\$ 16,158,408
Travel Expenses	\$ 1,143,420
Administrative Expenses	\$ 7,960,707
Lab & Monitoring Equipment & Furniture	\$ 1,166,260
Local Governments & Non-Profit Projects & Programs	\$ 11,986,673
Total Expenses	\$ 84,879,292
<b>FUNDING SOURCES</b>	
19701 General Appropriations	\$ 5,987,388
20000 Revolving Fund	\$ 45,311,911
21000 Environmental Education Fund	\$ 10,000
22000 Hazardous Waste Penalty Fund	\$ 160,050
22500 Certificate Funds	\$ 942,431
40000 Federal Funds	\$ 23,564,228
41000 Water Management Federal Fund	\$ 8,903,284
TOTAL FUNDING SOURCES	\$ 84,879,292

# FISCAL YEAR 2017

## TOTAL AGENCY BUDGET



# SOLID WASTE FEES

## BUDGETED & EXPENDED

**FY2017 Income (07/01/2016 - 06/30/2017)**

**\$ 6,144,117**

	FY 2017 Budget for Solid Waste Program	FY 2017 Expenditures as of 08/30/17	FY 2017 Remaining Encumbrances
<b>Salaries and other Compensation Expenses</b>	\$ 3,256,854	\$ 3,188,425	\$ 0
<b>Travel Expenses</b>	\$ 135,000	\$ 93,339	\$ 45,874
<b>Administrative Expenses</b>	\$ 223,355	\$ 197,913	\$ 63,431
<b>Lab Equipment, Furniture and Building Construction, and Air Monitoring Sites</b>	\$ 67,872	\$ 241,036	\$ 42,170
<b>Indirect Costs (FY2017 approved rate is 27.22%)</b>	\$ 886,516	\$ 867,889	\$ 0
<b>Professional Services/Local Governments &amp; Non-Profit Projects and Programs</b>			
SWRINO/Solid Waste Research Institute	\$ 110,000	\$ 90,000	\$ 0
OK COOP CIRCUIT ENGINEERING DISTRICT BD	\$ 30,000	\$ 35,000	\$ 0
Keep Oklahoma Beautiful	\$ 90,000	\$ 90,000	\$ 0
Sustainable Tulsa	\$ 50,000	\$ 49,974	\$ 0
Oklahoma City Beautiful	\$ 10,000	\$ 30,000	\$ 0
Okmulgee Co Conservation Dist	\$ 150,000	\$ 150,000	\$ 0
Community Based Environmental Protection	\$ 500,000	\$ 217,683	\$ 46,706
Projects to Implement County Plans	\$ 620,000	\$ 620,000	\$ 0
Product Stewardship	\$ 33,000	\$ 32,800	\$ 0
Recycling Equipment	\$ 100,000	\$ 38,733	\$ 16,272
Total Budget for Contracts	\$ 1,693,000	\$ 1,354,189	\$ 0
<b>TOTALS</b>	<b>\$ 6,262,597</b>	<b>\$ 5,942,792</b>	<b>\$ 151,475</b>

	FY 2018 Budget for Solid Waste Program
<b>Salaries and other Compensation Expenses</b>	\$ 3,033,754
<b>Travel Expenses</b>	\$ 90,350
<b>Administrative Expenses</b>	\$ 273,799
<b>Lab Equipment, Furniture and Building Construction, and Air Monitoring Sites</b>	\$ 65,669
<b>Indirect Costs (FY2017 approved rate is 27.22%)</b>	\$ 912,250
<b>Professional Services/Local Governments &amp; Non-Profit Projects and Programs</b>	
SWRINO/Solid Waste Research Institute	\$ 110,000
Oklahoma County Circuit Engineering District Board Admin	\$ 35,000
Keep Oklahoma Beautiful	\$ 90,000
Sustainable Tulsa	\$ 50,000
Oklahoma City Beautiful	\$ 10,000
Okmulgee Co Conservation Dist	\$ 150,000
Community Based Environmental Protection	\$ 500,000
Projects to Implement County Plans	\$ 620,000
Other solid waste projects TBD as funds exist	\$ 550,000
Recycling Equipment	\$ 200,000
Total Budget for Contracts	\$ 2,315,000
<b>TOTALS</b>	<b>\$ 6,690,822</b>



# HAZARDOUS WASTE FUND REPORT

DEQ's Hazardous Waste Fund is authorized by the Hazardous Waste Fund Act, 27A O.S. § 2-7- 301 et seq. According to Section 2-7-304 of the Hazardous Waste Fund Act, monies in the Hazardous Waste Fund may be used for protection of public health and safety, basic emergency response training and protective equipment, environmental response and remediation, and assistance to local governments with development of emergency response plans. In FY2017 DEQ used these funds to reimburse local emergency planning committees in 18 counties and one municipality for emergency response equipment to be utilized by emergency personnel and first responders. In addition, these funds were used for mercury collection and disposal services for 61 households in Oklahoma.

#### **Recipients of Funding Assistance for Emergency Response Preparedness**

**County:** Blaine, Caddo, Choctaw, Comanche, Cotton, Custer, Garvin, Kiowa, LeFlore, Major, McClain, McCurtain, McIntosh, Pottawatomie, Stephens, Washington, Woods, Woodward

**Municipal:** Town of Cyril

## A dense thicket of green foliage and trees, with a mossy log visible on the right side. The scene is filled with various shades of green, from bright lime to deep forest green, with some brown leaves scattered throughout. A prominent log covered in bright green moss lies horizontally on the right side of the frame. The background is a dense wall of leaves and branches, creating a sense of being deep within a forest.

Office of External Affairs					
Graphics and Publications	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Designs/Illustrations/Graphics Produced	248	426	284	194	1,152
Publications/Brochures/Fact Sheets Produced	60	193	69	199	521
Web Requests					
Agency	34	19	16	61	130
Public	2	1	3	3	9
.Gov Delivery					
Subscribers	643	1,007	1,656	696	Not Cumulative
Information Dissemination and Environmental Education					
Conferences/Displays	4	0	3	5	12
Environmental Education Packets/ Information Distributed	50	50	50	300	450
Oklahoma Green Schools					
Registered Schools	19	3	8	1	31
Students Impacted	3,797	192	410	250	4,649



# Agency Statistics

## Air Quality Division

Ambient Monitoring	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Continuous Monitoring Systems	50	50	55	55	55
Non-continuous Stations	18	19	18	17	19
Toxics Stations	12	12	12	11	12
Number of Air Samples Collected (continuously/hourly)					
Ozone (in thousands)	31.5	32.2	31.2	34.1	129.1
Sulfur Oxides (in thousands)	14.8	15.1	18.6	19.3	67.8
Total Oxides of Nitrogen	10.7	10.1	9.7	8.2	38.7
Nitrogen Dioxide-NO2 (in thousands)	10.7	10.1	9.7	8.2	38.7
Nitrogen Oxides-NO (in thousands)	10.7	10.1	9.7	8.2	38.7
Carbon Monoxide (in thousands)	6.4	6.6	6.3	6.5	25.8
Special Purpose (in thousands)	13.9	12.3	10.4	14.7	51.3
PM-10 (in thousands)	6.4	6.5	7.4	5.4	25.8
PM-2.5 (in thousands)	18.0	22.1	18.3	20.0	78.3
Number of Air Samples Collected (non-continuous/daily)					
PM-10	116	109	108	114	447
PM-2.5	252	234	235	237	958
PM-Coarse	49	49	45	66	209
Toxics	415	403	422	397	1,637
Lead	37	38	39	41	155
Compliance					
Number of days when ozone was within the 8-hour NAAQS	91	92	90	85	358
Number of total monitors demonstrating compliance (out of 47 total)	47	47	47	47	47
Excess Emissions Monitoring					
Excess Emissions Report	396	489	266	197	1,348
Emissions Inventory					
Billings					
Companies with Major Facilities	122	0	0	0	122
Companies with Major and Minor Facilities	58	1	0	0	59
Companies with Minor Facilities	376	6	0	1	383
Inventories Received					
Companies	11	4	686	129	830
Facilities	19	19	4,891	1,441	6,370
Enforcement Administration – Air Enforcement					
Notices of Violation	0	2	3	1	6
Formal Actions	6	3	3	2	14
Level III Violation Letters	6	7	1	7	21
Alternate Enforcement Letters	24	26	22	23	95
Self Disclosures Received	52	34	29	50	165
Asbestos Actions	4	0	6	0	10
Fines Paid (in thousands of dollars)	19.882	19.25	18.9	0	58.032
SEP Dollars (in thousands)	0	53	0	0	53
Total Number of SEPs	0	1	0	0	1



# Agency Statistics

Air Enforcement (continued)	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Reductions in Tons of Emissions from Enforcement Actions	0	0	2	114	116
Complaints Resolved within 90 Days	7	11	11	6	35
Complaints Unresolved, but still within 90 day deadline	2	3	10	4	19
Total Complaints	9	14	21	10	54
Total Facilities in significant Non-compliance	19	17	18	20	74
New Facilities in significant Non-compliance	0	1	0	0	1
<b>Inspections – Air Inspections</b>					
Monitoring Inspections (from ECLS)	34	13	9	41	97
On-Site Compliance Evaluations	62	99	104	164	429
Off-Site Compliance Evaluations	945	660	891	515	3,011
Asbestos Inspections	203	123	129	155	610
Stack Tests Observed	3	10	8	13	34
Stack Tests Reviewed	275	356	248	294	1,173
<b>Lead Based Paint</b>					
<b>Lead Based Paint Certification</b>					
Inspector	0	0	0	5	5
Risk Assessor	3	2	0	75	80
Abatement Worker	1	0	1	22	24
Supervisor	0	0	0	50	50
Project Designer	0	0	0	2	2
Firm	0	0	0	65	65
Lead Based Paint Compliance Inspections	5	18	14	6	43
Lead Based Paint Enforcement Actions	1	1	1	0	3
LBP Enforcement Actions resulting in LBP contractor returning to substantial compliance with program requirements	1	1	1	0	3
<b>Lead Based Paint Outreach</b>					
Events	1	0	0	0	1
Participants	208	0	0	0	208
<b>Permit Administration – Air Quality Permitting</b>					
<b>Construction Applications/Permits Issued</b>					
Minor Received	98	141	159	212	610
Minor Issued	100	139	151	203	593
Major Received	3	6	4	6	19
Major Issued	4	2	4	7	17
PSD Received	1	1	3	0	5
PSD Issued	0	0	0	1	1
<b>Operating Applications/Permits Issued</b>					
Minor Received	327	301	486	444	1,558
Minor Issued	361	356	434	414	1,565

Operating Applications/Permits Issued (continued)	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Major Received	26	46	31	28	131
Major Issued	47	28	37	32	144
PSD Received	0	0	0	0	0
PSD Issued	0	0	0	0	0
Title V Initials and Modifications Received	7	26	4	5	42
Title V Initials and Modifications Issued	7	8	1	2	18
Title V Renewals and Modifications Received	19	20	27	23	89
Title V Renewals and Modifications Issued	40	20	36	30	126
Acid Rain Received	0	0	0	0	0
Acid Rain Issued	0	0	0	0	0
Relocation Received	5	4	4	4	17
Relocation Issued	4	6	3	6	19
Applications Withdrawn	5	3	8	9	25
Title V Initial and Renewal Modifications Issued - Total	25	12	21	15	73
Title V Initial and Renewal Modifications Issued - Significant	4	1	1	0	6
Applicability Determination Received	17	8	13	5	43
Applicability Determination Issued	6	10	9	8	33
Permits Denied	0	0	0	0	0
Total Applications Received	477	507	700	699	2,383
Total Permits Issued	522	541	638	671	2,372
Minor Permit Status > 90 Day Timeline	69	56	60	65	250
Tests Observed	1	10	2	4	17
Performance Inspections	9	17	7	8	41
Permit Protest Hearings	0	0	0	0	0
Number of PSD Modeling Analysis Conducted	3	0	3	5	11
Number of Title V Air Permits Passing Federal Review	25	24	33	30	112
<b>Public Information and Education</b>					
<b>Ozone Watches and Alerts</b>					
Oklahoma City	1	0	0	1	2
Tulsa	1	0	0	1	2
Lawton	0	0	0	1	1
Rural Oklahoma	0	0	0	0	0
AQ Health Advisories	2	5	6	19	32
<b>Environmental Education</b>					
<b>Events</b>					
Conference Presentations	0	1	0	1	2
Conference Displays	0	0	0	1	1
Community Wide Events	1	1	0	0	2
<b>Education Presentations</b>					
K-12	0	0	0	0	0
University	0	2	2	0	4
Community/Adult	0	0	4	0	4
Contacts	1,000	5,088	400	1,300	7,788

# Agency Statistics

Quality Assurance	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Audits					
Continuous	41	56	39	58	194
Non-Continuous	13	21	17	16	67
Interlab	1	8	6	11	26
Data Validation	357	354	367	377	1,455
Standards Certified	154	158	149	140	601
Filter Checks	90	164	122	132	508
Precision Tests	405	390	437	437	1,669

# Agency Statistics

## Environmental Complaints and Local Services

Complaint Statistics	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Total Spills/Complaints Received	816	674	878	996	3,364
Spills/Complaints Referred to Other Agencies	63	47	54	82	246
Total DEQ Spills/Complaints Received	753	627	824	914	3,118
Spills Received	95	93	97	91	376
Complaints Received	658	534	727	823	2,742
Publicly-Owned Wastewater Facility and Lines	21	25	37	48	131
Private Wastewater Service Lines	74	56	83	102	315
Public Water Supply	90	59	50	65	264
Fish Kills	10	2	2	8	22
Unpermitted Discharge	263	4	22	41	330
Industrial Stormwater	0	0	0	1	1
Industrial Wastewater Treatment	2	0	0	0	2
Fugitive Dust	37	30	33	37	137
Air Facilities Emissions	4	4	3	5	16
Odors	20	29	53	29	131
NESHAP Violations	6	6	6	8	26
Lead Based Paint	2	0	2	1	5
Solid Waste Car Wash Sludge	1	1	0	0	2
Solid Waste Transfer Station	0	0	0	1	1
Solid Waste Landfill Operation	5	2	0	1	8
Tires	10	5	4	8	27
Hazardous Waste Facility Operation	0	0	0	0	0
Hazardous Waste Improper Disposal	1	0	1	0	2
Radiation	1	0	1	0	2
Underground Injection Control	0	0	0	0	0
Total Retention Lagoon – lagoon, collection and land application	11	6	13	7	37
On-site Sewage	95	73	97	134	399
Improperly installed on-site sewage system (certified installation)	0	1	2	0	3
Improperly installed on-site sewage system (non-certified installation)	21	17	26	21	85
Aerobic system maintenance (system installed 2 years or less)	2	2	2	3	9
Malfunctioning aerobic system	35	20	34	39	128
Private Water Supply	0	0	1	7	8
Open Burning	40	77	49	71	237
Unpermitted Disposal of Solid Waste	120	93	176	138	527
Septage Pumpers and Haulers	1	1	3	0	5
Construction Stormwater – permit or discharge	23	20	24	45	112
Minor Water Supplies	0	1	3	2	6



# Agency Statistics

Complaint Statistics (continued)	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Emergency Response	0	0	0	0	0
Record Searches	0	0	191	287	478
Inspections					
Air Quality – Air Inspections					
Monitoring Inspections	35	13	9	41	98
Waste Management – Solid Waste Inspections					
Monitoring Inspections	34	17	19	17	87
Water Quality					
Public Water Supply					
Monitoring Inspections	399	471	320	679	1,869
Minor Water Systems	70	51	77	267	465
Municipal Wastewater					
Monitoring Inspections	242	102	84	45	473
Total Retention Lagoons					
Monitoring Inspections	119	105	82	131	437
Industrial Wastewater					
Monitoring Inspections	99	94	73	203	469
Stormwater					
Notice of Termination (NOT) Inspections	448	311	249	210	1,218
Active Permit Inspections	93	91	76	54	314
No Exposure Inspections	0	0	0	0	0
Septage Pumps					
Inspections	25	12	181	1	219
Total # of Inspections					5,649
Enforcement Administration					
Enforcement Actions – Unpermitted Activities					
Notices of Violation					
Open Burning	4	1	1	3	9
Open Dumping	2	2	0	4	8
Fugitive Dust	2	0	0	0	2
Surfacing Sewage	2	1	1	4	8
Minor Water System	0	1	0	1	2
Certified Installers	0	1	3	0	4
Non-Certified Installers	3	6	4	9	22
Septage Pumps/Haulers	0	0	1	3	4
Total Retention Lagoons	0	3	6	6	15
Highway Spill Remediation	0	0	0	0	0
Certified Soil Profilers	0	1	0	0	1
Stormwater - Construction	1	4	1	2	8
Formal Actions					
Open Burning	3	2	7	2	14
Open Dumping	11	6	6	8	31
Fugitive Dust	1	0	0	0	1
Surfacing Sewage	12	12	16	12	52
Certified Installers	0	1	1	0	2
Non-Certified Installers	3	4	5	1	13

Formal Actions (continued)	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Septage Pumpers/Haulers	0	0	2	0	2
Total Retention Lagoons	1	2	2	10	15
Highway Spill Remediation	0	0	0	0	0
Minor Water System	0	1	0	0	1
Certified Soil Profilers	0	0	0	0	0
Stormwater - Construction	0	0	0	0	0
Fines Paid					
Open Burning	\$1,000	\$60,600	\$13,000	\$8,000	\$82,600
Open Dumping	\$12,000	\$1,480	\$27,000	\$16,558	\$57,038
Fugitive Dust	\$0	\$0	\$0	\$0	\$0
Surfacing Sewage	\$7,700	\$3,429	\$7,630	\$3,450	\$22,209
Certified Installers	\$0	\$0	\$4,400	\$80	\$4,480
Non-Certified Installers	\$500	\$700	\$5,750	\$2,200	\$9,150
Septage Pumpers/Haulers	\$0	\$0	\$0	\$0	\$0
Total Retention Lagoons	\$9,500	\$20,380	\$133,410	\$27,107	\$190,397
Certified Soil Profilers	\$0	\$0	\$0	\$0	\$0
Stormwater - Construction	\$0	\$0	\$0	\$0	\$0
Total	\$365,874				
Permit Administration					
ECLS Requested Services					
Private Sewage					
Soil Tests	142	93	138	143	516
Existing System Inspections	21	7	11	10	49
Authorizations Issued	1,739	1,553	1,600	1,726	6,618
Alternative System Permits Issued	17	20	24	20	81
Septage Pumpers and Haulers					
Septage Pumper Licenses Issued	28	11	135	55	229
Highway Remediation					
Highway Remediation Licenses issued	0	25	9	0	34
Water Quality					
Storm Water-Construction					
Authorizations Issued	179	262	249	254	944
Authorizations Terminated	301	57	183	183	724
Storm Water-Industrial					
Authorizations Issued	14	0	0	0	14
Authorizations Terminated	34	16	13	11	74
Technical Assistance					
Air Quality	5	7	3	5	20
Wellhead Protection	5	1	1	6	13
Fish Kills	0	0	0	2	2
Hazardous Waste	2	1	2	4	9
Industrial WW	3	3	5	3	14

# Agency Statistics

Technical Assistance (continued)	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Solid Waste	2	6	6	9	23
Minor Water	0	0	0	3	3
Onsite Sewage	107	102	121	104	434
Private Water	12	22	15	12	61
Promote Soil Profile	36	11	28	23	98
Public Water Supply	41	46	33	35	155
Septage Hauler and Transporter	5	2	2	0	9
Spill	0	0	1	1	2
Stormwater	6	1	11	10	28
Tires	0	0	0	0	0
Total Retention Lagoon	15	13	24	10	62
Water Pollution Control	8	8	6	12	34
Total	247	223	258	239	967
Individual Water Well Evaluation					
Requested Services – Private Water					
Water Well Inspections	4	0	0	1	5
Operator Certification					
On-site System Installer Certification					
Renewal Training Attendees	1	97	110	17	225
New Certification Examinations					
Sub-surface Examinations	3	1	0	4	8
Lagoon Examinations	0	0	1	1	2
Aerobic Spray Examinations	8	1	5	2	16
Aerobic Drip Examinations	0	0	1	1	2
Low Pressure Dosing Examinations	0	0	0	0	0
Soil Profiler Certification					
Renewal Training Attendees	0	63	35	0	98
New Certifications	1	0	0	2	3



# Agency Statistics

## Land Protection Division

Council/Rulemaking Meetings	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Council Meetings					
HWMAC Meetings/Rulemaking Hearings	0	1	0	0	1
RMAC Meetings/Rulemaking Hearings	1	0	0	0	1
SWMAC Meetings/Rulemaking Hearings	1	0	1	0	2
Total					4
Permit Administration					
Public Meetings for Permitting	2	1	1	1	5
Hazardous Waste					
Permit applications/plans received	67	65	62	54	248
Permit applications/plans approved	53	85	53	64	255
Permit Protest Hearings	0	0	0	0	0
Permits approved within timelines	50	80	51	64	245
Percent of sites on the GPRA 2020 list at which site-wide corrective action construction is complete					72%
Radiation					
License applications/amendments received	72	71	125	89	357
License applications/amendments issued	90	76	94	142	402
Licenses issued within timelines	90	76	94	142	402
Solid Waste					
Permit applications/plans received	117	143	209	175	644
Permit applications/plans approved	103	129	206	197	635
Permit Protest Hearings	0	0	0	0	0
Permits approved within timelines	103	129	206	197	635
UIC					
Permit applications/plans received	13	15	12	13	53
Permit applications/plans approved	12	14	8	14	48
Permit Protest Hearings	0	0	0	0	0
Permits approved within timelines	12	14	8	14	48
Percent of Permits/Licenses Approved Within Timelines					99%
Citizen and Local Government Outreach					
Citizen Outreach - Mercury					
Households from which mercury was collected for recycling	26	14	11	10	61
Schools provided assistance with chemical disposal	11	10	10	1	32
Citizen Outreach - Radon					
Radon test kits requested by homeowners and schools					32
Citizen Outreach - Radiation Surveys					
Radiation surveys performed	11	11	16	14	52
Citizen Outreach - Industrial Radiography					
Industrial radiography exams held	2	2	2	2	8
Individuals taking industrial radiography exams	21	32	47	61	161



# Agency Statistics

Local Government Outreach	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Local governments assisted with trash dump clean up and improved recycling programs					49
Number of National Guard armories, orphan sites, and abandoned or underused, publically-owned buildings remediated and available for reuse	2	1	2	1	6
Communities and non-profits assisted with Brownfield funding	49	92	42	44	227
Dollar amount of solid waste fees reinvested in local projects					\$1,061,416
<b>Citizen Outreach - SQG Self-Certification</b>					
Percentage of SQG universe participating in self-certification					*17%
<i>*Percentage includes all participants since the program began in the first quarter of fiscal year 2015.</i>					
<b>Land Restoration</b>					
<b>Brownfields</b>					
Phase I/II Targeted Site Assessments	2	0	0	3	5
Sites cleaned up using Brownfield Revolving Loan Funds	0	0	0	2	2
Brownfield Certificates issued	0	2	2	0	4
<b>Superfund</b>					
Preliminary assessments and site inspections completed	3	1	3	1	8
Active NPL sites					14
NPL sites in state-lead operations and maintenance					6
Removals conducted by DEQ					0
Removals conducted by EPA with DEQ assistance					4
DOD facilities going through the CERCLA process					30
<b>Voluntary Clean-Up Program</b>					
Contaminated sites in the VCP	91	88	88	85	Not Cumulative
Contaminated sites cleaned up under the VCP	1	3	2	3	9
<b>Governmental Entities</b>					
Governmental entities assisted with restoration of damaged lands	2	3	4	3	12
<b>Waste Tires</b>					
Community-wide collection events held	15	9	7	10	41
Tires diverted from illegal dumping through community-wide collection events	31,873	40,978	56,359	62,354	191,564
Illegal tire dumps remediated	32	29	23	12	96
Abandoned tires remediated from illegal dumps	22,595	45,316	34,980	20,914	123,805
<b>Total acres of land cleaned up or restored to beneficial reuse</b>					
					410.48
Tons of chat from the Tar Creek Superfund Site marketed	0	0	0	0	0
Tons of chat from the Tar Creek Superfund Site disposed	1,339	19,501	9,232	168.63	30,241.59

Complaints	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Complaints referred to LPD	14	5	6	11	36
LPD complaints resolved < 90 days or approved extension	15	12	4	6	37
Percent of Complaints Resolved Within 90 Days or Approved Extension					100%
<b>Inspection Programs</b>					
<b>Hazardous Waste</b>					
Inspections at Oklahoma hazardous waste generators, transporters, and non-commercial disposal facilities	16	17	22	44	99
Hazardous waste inspections at Oklahoma military facilities	0	1	0	3	4
Inspections at Oklahoma commercial hazardous waste disposal facilities	1	1	2	4	8
Groundwater monitoring evaluations at hazardous waste disposal facilities	0	2	0	1	3
<b>Radiation</b>					
Inspections at Oklahoma licensees	39	35	37	40	151
<b>Solid Waste</b>					
Inspections at Oklahoma solid waste disposal facilities	71	50	42	48	211
<b>UIC</b>					
Inspections at Oklahoma UIC wells	0	6	0	6	12
<b>Used Tires</b>					
Inspections at Oklahoma used tire processors	18	18	18	18	72
Inspections of tire dealers and motor license agents	23	7	15	83	128
Total number of inspections performed					688
<b>Enforcement Administration</b>					
<b>Hazardous Waste</b>					
Notices to Comply issued	5	7	5	22	39
Notices of Violation issued	1	0	1	0	2
Orders issued	1	1	0	1	3
Facilities in significant non-compliance	1	1	1	1	4
Dollar amount of fines paid	\$31,000	\$12,666	\$7,334	\$22,931	\$73,931
Supplemental Environmental Projects	0	0	0	1	1
Dollar amount of Supplemental Environmental Projects	\$9,999	\$6,669	\$0	\$68,794	\$85,462
<b>Radiation</b>					
Notices of Violation issued	18	19	28	10	75
Orders issued	1	0	0	0	1
Dollar amount of fines paid	\$6,400	\$0	\$10,000	\$0	\$16,400
Supplemental Environmental Projects	0	0	0	0	0
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
<b>Solid Waste</b>					
Notices of Violation issued	1	1	0	1	3
Orders issued	1	0	2	2	5

# Agency Statistics

<b>Solid Waste (continued)</b>	<b>Qtr 1</b>	<b>Qtr 2</b>	<b>Qtr 3</b>	<b>Qtr 4</b>	<b>Total</b>
Dollar amount of fines paid	\$2,500	\$0	\$22,000	\$1,000	\$25,500
Supplemental Environmental Projects	0	0	0	0	0
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
<b>UIC</b>					
Notices of Violation issued	0	0	0	0	0
Orders issued	0	0	0	0	0
Dollar amount of fines paid	\$0	\$0	\$0	\$0	\$0
Supplemental Environmental Projects	0	0	0	0	0
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
<b>Used Tires</b>					
Notices of Violation issued	1	1	0	1	1
Orders issued	1	1	1	0	3
Dollar amount of fines paid	\$0	\$0	\$0	\$0	\$0
Supplemental Environmental Projects	0	0	0	0	0
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
<b>Non-hazardous Industrial Waste</b>					
NHIW certifications reviewed	256	256	200	316	1,028
<b>Total Enforcement Actions</b>					93
<b>Total Fines</b>					\$115,831
<b>Total SEPs</b>					1
<b>Total SEP \$</b>					\$85,462
<b>Sara Title III – Community Right to Know (EPCRA)</b>					
Tier 2 Reports Filed	42	96	52,705	152	52,995
Toxic Release Reports Filed	1,373	0	0	0	1,373
Industry Request for Guidance	552	269	3,851	626	5,298
CAMEO/Submit Instruction/Presentations	19	13	21	13	66
LEPC Meetings Attended	11	6	9	6	32
TRI Inspections Attended	0	0	1	4	5

# Agency Statistics

## Water Quality Division

TMDL Development	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
TADS					
TMDLs Started	0	15	18	17	50
TMDLs Completed	0	16	14	10	40
Data Management					
Groundwater					
Sites With GPS Correction	13	11	17	3	44
Enforcement Administration					
Public Water Supply					
Boil Advisories	5	3	2	2	12
Notices of Violation	50	27	27	58	162
Consent / Final Orders	65	31	31	16	143
Fines Paid	\$8,750	\$11,500	\$9,700	\$3,200	\$33,150
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
TOTAL number of SEPs	0	0	0	0	0
Municipal Wastewater					
Notices of Violation	29	29	22	21	101
Consent / Final Orders	13	15	6	12	46
Fines Paid	\$39,938	\$38,960.27	\$23,181.63	\$7,858	\$109,937.90
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
TOTAL number of SEPs	0	0	0	0	0
Industrial Wastewater					
Notices of Violation	8	5	12	10	35
Consent / Final Orders	0	1	1	4	6
Fines Paid	\$2,500	\$0	\$0	\$5,000	\$7,500
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
TOTAL number of SEPs	0	0	0	0	0
Storm Water					
Notices of Violation	4	2	1	2	9
Consent / Final Orders	5	1	1	3	10
Fines Paid	\$10,250	\$10,000	\$1,000	\$9,050	\$30,300
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
TOTAL number of SEPs	0	0	0	0	0
Inspections					
Public Water Supply					
Monitoring Inspections (from ECLS)	399	471	320	679	1,869
Municipal Wastewater					
Monitoring Inspections (from ECLS)	242	102	84	45	473
Pretreatment Compliance	1	5	8	9	23
Pretreatment Audits	0	0	4	0	4
Compliance Evaluation Inspections	8	21	12	11	52
Compliance Sampling Inspections	0	0	0	1	1



## Agency Statistics

Industrial Wastewater	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
Monitoring Inspections (from ECLS)	99	94	73	203	469
Compliance Evaluation Inspections	11	12	18	6	47
Compliance Sampling Inspections	0	2	0	0	2
<b>Storm Water</b>					
Compliance/TA Inspections	35	56	47	53	191
NOT Inspections (from ECLS)	448	311	249	210	1,218
Active Permit Inspections (from ECLS)	93	91	76	54	314
No Exposure Inspections (from ECLS)	0	0	0	0	0
<b>Operator Training and Certification – New Certified Examinations</b>					
Water Operator	249	338	227	153	967
Wastewater Operator	172	228	158	159	717
Water Laboratory Operator	44	31	37	53	165
Wastewater Laboratory Operator	30	41	35	24	130
<b>Permit Administration – Water Quality Permitting</b>					
<b>Construction Applications/Permits Issued</b>					
Public Water Supply Received	179	129	135	149	592
Public Water Supply Issued	179	133	115	137	564
Water Well Received	12	5	11	6	34
Water Well Issued	8	7	5	10	30
Municipal Wastewater Received	144	76	121	90	431
Municipal Wastewater Issued	143	79	116	81	419
<b>Municipal Wastewater Applications/Permits Issued</b>					
Discharge Applications Received	14	18	9	18	59
Discharge Permits Issued	20	14	9	8	51
<b>Industrial Wastewater Applications/ Individual Permits Issued</b>					
Applications Received	9	6	7	8	30
Permits Issued	2	6	7	10	25
<b>Stormwater</b>					
Construction Authorization Processed (from ECLS)	179	262	249	254	944
Multi-Sector Industrial Authorization Processed (from ECLS)	14	0	0	0	14
<b>Other Industrial General Permits</b>					
Applications Received	6	27	9	21	63
Authorization Issued	6	2	2	59	69
<b>Other Municipal General Permits</b>					
Applications Received	1	0	0	13	14
Authorization Issued	20	2	0	0	22
<b>Sludge Management Applications/Plans Approved</b>					
Applications Received	2	1	1	0	4
Plans Approved	2	1	1	0	4
Total Permits Issuance > Timelines	13	16	7	8	44
Total Permit Protest Hearings	0	0	0	0	0

# Agency Statistics

## State Environmental Laboratory Services

### SELS Laboratory Operations

Laboratory Tests Performed	Total
SDWA	20,533
OWRB	16,632
Lab Priority	992
DEQ	2,523
Private	10,431
Contractual	15
PDES	3
SELS	988
Totals	52,117

### Laboratory Improvements

New Instruments to Support	
New Methods	0
New Equipment to Support	
New Methods	1
Replacement Instruments	5
Replacement Equipment	1
New Methods Implemented	2

### Lab Capacity

Analysis Inventory	% Capacity
Block Digester	30.3
Detectors	43.6
FIA	39.7
GC	30.3
GCMS	49.6
GPC	31.3
ICP	66.8
ICPMS	39.5
Incubator	27.7
IC	56.8
Ovens	21.9
Refrigerator	39.9
Averages	39.8

### Staffing

	Max Capacity
PINS Filled	55
PINS Empty	3
Division Staffing %	95
New Hires	2
Turnover	2
Average Years of Experience	12.4

### Special Projects

	Total
QAPP Reviews	1
Project Planning Meetings	28
Project Follow Ups	20
Level 2 Packets	3
Level 3 Packets	0
Level 4 Packets	5
New Major Projects	5
Totals	62

### SELS Special Operations

#### Emergency Response

Primacy	Total
Field Events	4
Sampling Event	11
Technical Assistance Events	294

#### Non-Primacy

Field Events	5
Sampling Event	1
Technical Assistance Events	524

#### Emergency Response Exercises

Events	1
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#### Complaints

Field Events	0
Sampling Event	0
Technical Assistance Events	29

#### Crypto

Field Events	6
Sampling Event	58
Technical Assistance Events	12

#### Fish Kills

Field Events	0
Sampling Event	0
Technical Assistance Events	8

#### Enforcement Assistance

Field Events	0
Sampling Event	2
Technical Assistance Events	0

#### Fish Consumption Advisories

Reservoirs Sampled	27
Advisories Evaluated	159
Consumption Advisories Added	53
Consumption Advisories Dropped	2

Totals	1,196
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# Agency Statistics

Laboratory Customer Support	
SDWA	Total
Technical Assistance	6,314
Project Sampling Kits Provided	10,624
Targeted Outreach	28
OWRB	
Technical Assistance	3
Project Sampling Kits Provided	112
Targeted Outreach	24
Contractual	
Technical Assistance	0
Project Sampling Kits Provided	0
Targeted Outreach	0
DEQ	
Technical Assistance	315
Project Sampling Kits Provided	18
Targeted Outreach	8
Private	
Technical Assistance	7,666
Project Sampling Kits Provided	573
Targeted Outreach	0
PDES/CWA	
Technical Assistance	10
Project Sampling Kits Provided	33
Targeted Outreach	5
Lab-P	
Technical Assistance	47
Project Sampling Kits Provided	1
Targeted Outreach	0
Totals	25,781

Contractual is a new Program in FY18.

SELS Laboratory Accreditation / WQMAC/EQB Meetings	
Laboratory Certification	
LAP Assessment Activities	Total
Applications Received	12
Facility Inspections	49
Certificates Issued – New	10
Certificates Issued – Recertified	160
New Areas of Accreditation	3
Withdrawals/Revocations	2
Appeals/Hearing	0
Feedback Received	10
Complaints Received	0
LAP Assessor Participation*	5
LAP Document and Report Peer Reviews*	31
Totals	282

\* Only Q3 and Q4 data available.

Training Participation:	
Trainings Given and Received	
Professional Meetings and Conferences	Total
Professional Meetings/Conferences	7
Water Quality Management Advisory Council	3
Environmental Quality Board Meetings	3
Totals	13
Professional Training Services Provided	
Professional Presentations	8
Lab Tours	7
Non-Program Specific Outreach	3
Totals	18
SELSD Meetings	
Divisional Meetings	1
Manager Meetings	4
Group Manager Meetings	10
Totals	15
Courses Attended	
Individual Courses Attended	103
Training Hours	
LCA (SDM and Field)	212
Organics	295
Inorganics	517
LAP	94
QS	101
DD/ADD	93
Admins	21
Totals	1,333
Hours per Training Categories	
Manager	89
Ethics	184
QS	313
LAP	120
Administrative	56
Operational	114
Safety	82
Method	0
Technical	643
Policy	4
Personal Development	16
Other	15
Totals	1,636

# Agency Statistics

## Quality System Management Summary: SELS Laboratory Operations

Suitability of Processes and Procedures	Total
New Policies	0
Revised Policies	0
New SOPs	12
Revised SOPs	30
New Work Instruction Documents	41
Revised Work Instruction Documents	22
Other New Documents	148
Other Revised Documents	121
Revised QAP	2
Revised DQM	0
<b>Totals</b>	<b>376</b>
<b>Regulatory Administration</b>	
New Programs	0
Revised Programs	0
New Rules	1
Revised Rules	2
New Accreditations/Certifications	1
Rev Accreditations/Certifications	0
<b>Corrective Actions</b>	
PIPs Opened	41
PIPs Closed	35
<b>Assessments</b>	
<b>Internal</b>	
Internal Opened	19
Internal Closed	10
<b>External</b>	
External Opened	0
External Closed	0
<b>PT Studies</b>	
PT Studies Participated in	35
Analyte Failures	3
Repeat Analyte Failures	0
<b>Totals</b>	<b>147</b>

## SELS Laboratory Operations FY17 Notable Events:

### Notable events not identified through other reporting mechanisms

Year	Item
2016	Additional staff certified and DW and TNI assessors
2016	Documentation, verification, and tracking of raw materials prior to use
2016	WRB expanded their parametrics under the current contract
2016	IT switch upgrade
2016	Digital controllers on the hoods (Phoenix digital upgrade)
2016	Rooftop strobic fan replacement (Phoenix)
2016	Emergency power backup –additional- COOP
2016	SMU remodel
2016	SELS's first TNI Accreditation: Crypto through New Hampshire
2017	2 new boilers (NG); NG driven generator
2017	Security upgrades, card scanner, additional staff
2016	Division of QAP into DQM and QAP
2016	Chlorite analysis insourced from ERT
2017	Hexachrome method development
2017	Performance Measurements Overhaul
2017	SAGe detector online for radchem
2017	Radon single-blind participation
2017	Legionella method development
2017	Anatoxin method development
2017	New Programs/subprograms deployed in LW7
2017	Providing EDDs for Special Projects
2017	New Demonstration of Competence Tracking and procedures
2017	Began weekly meetings with WQD to discuss XML Performance issues



# ANNUAL REPORT 2017

