

DEQ

25th Anniversary

The Oklahoma Environmental Quality Act begins the story of DEQ...



a look at
the new water
quality lab...

"Mark! (echo)... mark... mark"... the lab assistant called down the long hallway which went from spotless paint, tile and sophisticated labs to unfinished cement walls and a huge cavern-like room with the pipes and building entrails exposed. A tousled blond head peered out from the last office at the end of the hall on the left. Inquisitive blue eyes greeted me from rectangular wire-rim glasses as Mark Coleman, coordinator of the environmental quality lab, invited me into his office to do a story on the new lab facilities at the state health department. "As you can see..."

MARK S. COLEMAN EXECUTIVE DIRECTOR



Mark Coleman

ENROLLED HOUSE
BILL NO. 2227

An Act

BY: HUDSON, McCORKELL and
ROACH of the HOUSE

and

HOBSON, WILLIAMS (Penny),
LONG (Ed), RUBOTTOM and
MUEGGE of the SENATE

AN ACT RELATING TO VARIOUS STATE ENVIRONMENTAL AGENCIES; CREATING THE OKLAHOMA ENVIRONMENTAL QUALITY ACT; PROVIDING PURPOSE; DEFINING TERMS; PROVIDING FOR POWERS AND DUTIES OF THE TRANSITION COORDINATOR; REQUIRING COOPERATION WITH CERTAIN PERSONS; PROVIDING FOR DESIGNATION OF CERTAIN EMPLOYEES; PROVIDING FOR TRANSFERRED PERSONNEL; REQUIRING BUDGET; REQUIRING REPORT; PROVIDING FOR CONTENTS; REQUIRING CERTAIN MEETINGS; STATING LEGISLATIVE INTENT; PROVIDING FOR DETERMINATION OF PROJECTED COSTS AND INCREASES; ADDING TO DUTIES AND RESPONSIBILITIES OF ENVIRONMENTAL TASK FORCE; PROVIDING FOR MEETINGS; AUTHORIZING REIMBURSEMENT OF CERTAIN EXPENSES; REQUIRING CERTAIN COOPERATION AND ASSISTANCE; PROVIDING FOR FINAL AUTHORITY; PROVIDING FOR DUTIES OF POLLUTION CONTROL COORDINATING BOARD AND DEPARTMENT OF POLLUTION CONTROL; PROVIDING DATE OF ABOLISHMENT; REQUIRING DEVELOPMENT OF CERTAIN COMPLAINT PROCESS AND SYSTEMS; PROVIDING FOR TRANSFERS OF CERTAIN ITEMS, RECORDS, EQUIPMENT, FUNDS, OBLIGATIONS AND PERSONNEL; PROVIDING FOR JURISDICTIONAL AREAS OF ENVIRONMENTAL RESPONSIBILITY OF THE SECRETARY OF ENVIRONMENT, DEPARTMENT OF ENVIRONMENTAL QUALITY, OKLAHOMA WATER RESOURCES BOARD, STATE DEPARTMENT OF AGRICULTURE, OKLAHOMA CORPORATION COMMISSION, CONSERVATION COMMISSION, DEPARTMENT OF MINES, DEPARTMENT OF WILDLIFE CONSERVATION, DEPARTMENT OF PUBLIC SAFETY, DEPARTMENT OF LABOR, DEPARTMENT OF CIVIL EMERGENCY MANAGEMENT AND OKLAHOMA STATE DEPARTMENT OF HEALTH; PROVIDING FOR TRANSFER OF CERTAIN PROGRAMS AND FUNCTIONS; PROVIDING FOR ASSUMPTION OF CERTAIN PROGRAMS AND FUNCTIONS; AUTHORIZING CERTAIN CONTRACTS; CREATING THE ENVIRONMENTAL QUALITY BOARD; PROVIDING FOR ELIGIBILITY AND APPOINTMENTS; SPECIFYING TERMS, MEETINGS, AND TRAVEL EXPENSES; SPECIFYING DUTIES; MAKING CERTAIN APPEALS NOT A FINAL DETERMINATION; PROVIDING FOR APPOINTMENT OF AN EXECUTIVE DIRECTOR; SPECIFYING QUALIFICATIONS; PROVIDING FOR DUTIES AND POWERS; PROVIDING FOR CERTAIN CONTRACTS; PROVIDING FOR CERTAIN TRAINING; MAKING CERTAIN EXCEPTIONS; CREATING THE DEPARTMENT OF ENVIRONMENTAL QUALITY; PROVIDING FOR POWERS AND DUTIES; PROVIDING FOR ORGANIZATION OF DEPARTMENT; MAKING CERTAIN TRANSFERS TO THE EXECUTIVE ENVIRONMENTAL SUBCOMMITTEE AND TO THE DEPARTMENT OF ENVIRONMENTAL QUALITY; PROVIDING FOR AREAS OF RESPONSIBILITY; PROVIDING FOR CONSTRUCTION OF SECTION; CREATING CERTAIN ADVISORY COUNCILS; PROVIDING FOR STANDING; PROVIDING FOR QUALIFICATIONS, TERMS, DUTIES AND MEETINGS; CONTINUING AIR QUALITY COUNCIL; REQUIRING CERTAIN TIME PERIODS; REQUIRING RULES; MAKING CURRENT



oklahoma state department of health



Fred Giesler



Calvin Grant



Mark Coleman



John Armstrong



John M.



Scott Thomas



John Drake

sanitarians learn evaluation skills



Sanitarians making field inspections during evaluation training course discuss Oklahoma plant with facility operator (far left). EPA instructor (far right) accompanies inspections.



Bernie Gibson, chemist, determines organic content of water by chemical oxygen demand test.

Table of Contents



DEQ Timeline3 to 18
Letter from the Executive Director5
Environmental Quality Board Members7
Board Rulemaking Activities8
Air Quality Advisory Council	10
Hazardous Waste Management Advisory Council11
Solid Waste Management Advisory Council	12
Radiation Management Advisory Council	13
Water Quality Management Advisory Council	14
Employees of the Quarter	15
DEQ Mission Statement	16
Organizational Chart	17
Environmental Quality Report	18
Fiscal Year 2018 Total Agency Budget	25
Solid Waste Fees Budgeted and Expended	26
Hazardous Waste Fund Report27
Agency Statistics28

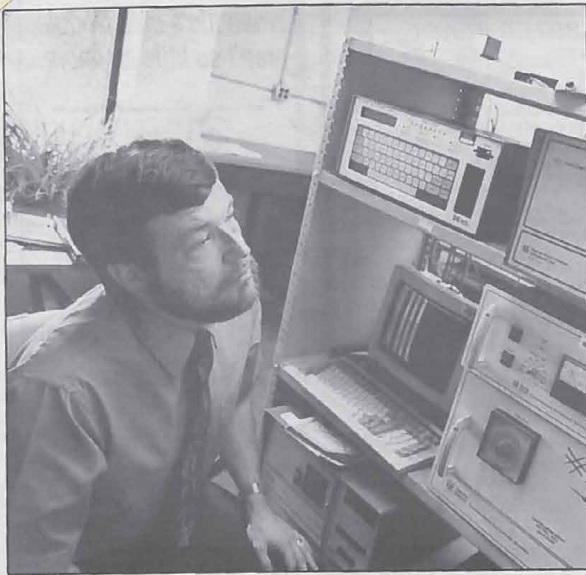
DEQ TIMELINE

1993 – After a six-month skeleton-crew transition period, DEQ comes into full existence on July 1, with Mark Coleman as the first Executive Director; agency continues to be housed (as the Environmental Health Branch of the Health Department had been) in the OSDH building

1994 – Oklahoma Legislature enacts the Oklahoma Uniform Environmental Permitting Act

1995 – First H2Oklahoma Festival

1995-1996 – DEQ authorized by Legislature to seek and purchase a building for office space, allowing DEQ to move out of overcrowded OSDH building



Randy Ward looks over air-quality analysis equipment in the air monitoring station at the new state Department of Environmental Quality.



New 'customer-oriented' DEQ to tackle environmental issues

BY MARY HALLEY

Another summer has arrived, dragging with it the requisite dread of those oppressive hot, humid days made unbearable by a depleted ozone layer. The ozone-alert precedent was set last year and will continue to be a summertime tradition, alongside lemonade and yard sprinklers, until a turnaround in environmental caretaking occurs and regulations are placed upon the offending parties.

Entering the realm of state agencies like a charming knight atop a snow white steed, the Department of Environmental Quality opened its doors within the state Health Department at 1000 N.E. 10th on July 1 with two basic objectives — to clean up pollution already in existence and to prevent any more from entering the ecosystem.

These may seem like lofty, even unrealistic goals, considering bureaucratic sluggishness and the reluctance of business and industry to make necessary changes in their production processes. Still, those involved with the fledgling department are optimistic that they can accomplish their mission without putting the state's already slumping economy at further risk.

"We hope that businesses and industry will voluntarily reduce the amount of chemicals they release into the environment and modify their manufacturing processes to prevent chemical waste," said Michael Dean, director of DEQ information services.

"The initial response has been quite gratifying."

For the more stubborn companies reluctant to revamp their production processes, the DEQ will find alternate means of inspiring change.

"There will be certain tax incentives and environmental regulations implemented at the state level," Dean said.

The DEQ is staffed by scientists, geologists, hydrologists, chemists, engineers, inspectors, epidemiologists, public educators, attorneys and support personnel.

It will also handle citizen complaints received on the environmental hotline at 1-800-522-0206, which has been in place for some time, but which has not been widely publicized. The hotline is answered 24 hours a day by customer-service assistants. Officials at the DEQ investigate the problem and present the customer with a solution within one or two days.

"We are very customer-oriented and plan to

get to the root of every problem," said Dean.

"We are currently going through drills, taking a test complaint and running it through the system to see how long it takes to get an answer."

In addition to dealing with complaints, the DEQ will work to improve air and water quality, manage solid and hazardous waste and educate the public about environmental concerns.

The state Environmental Laboratory will be responsible for running tests on air and water and providing test services for state agencies and individual citizens. The DEQ has four locations at which it samples air for ozone alerts.

Local offices and county environmental specialists will allow citizens from all over the state direct access to the DEQ.

"We have developed a new attitude," said Dean.

"We've got new policies, and we know that if one plan doesn't work, we can implement a different one. The environmentalists now have their own department."

Yet according to Earl Hatley, environmental policy consultant for the Oklahoma Toxics Campaign, the environmentalists still have a long way to go. The creation of the DEQ, says Hatley, was actually only a consolidation of various environmental groups working toward the same goal.

"This is, however, a bigger first step than I thought we were capable of taking," said Hatley.

"We desperately needed a centralized database in Oklahoma, so in that way the consolidation is a great victory for the state."

The effort to consolidate was fraught with political conflict and was plagued by subagencies that were unwilling to share data, resulting in an unclear picture of environmental problems and what was being done to solve them.

While the formation of the DEQ brings about a spirit of renewal and an improved complaint system, Hatley says its board still has a lack of representatives from grassroots environmental groups and an abundance of members from industry super-powers such as Conoco and Kerr McGee.

"It's like having a fox guard the hen house," said Hatley.

"Grassroots environmentalists still can't get representation, which essentially puts us back out on the streets."

For more information about the Department of Environmental Quality, call 271-8066.



DEQ TIMELINE

circa (c.) 1996 – New FOCUS process instituted

1996 – Legislature passes the Oklahoma Brownfields Voluntary Development Act.

1996 – EPA delegates NPDES program to DEQ.

1996 – DEQ receives interim approval from EPA for the Air Quality Title V Program.

1996 – Launch of program to certify septic system installers, allowing installers to inspect their own installations

1997 – DEQ receives delegation from EPA of the Storm Water and Pre-Treatment Program

1998 – 31 employees of OCCHD and TCCHD are transferred into DEQ

Letter from the **Executive Director**



Oklahoma Department of Environmental Quality

Twenty-five years ago, the Oklahoma Department of Environmental Quality (DEQ) began its critical mission of protecting people through the air we breathe, water we drink, and the land on which we live. Fueled by a strong commitment to customer service, sound science, and professionalism, DEQ's scientists, engineers, environmental specialists, hydrologists, investigators, and support staff set forward on a path to focus on both maintaining and improving the state's rich, natural beauty.

Throughout the years, the agency has experienced many noteworthy achievements. When I think about our growth, I think about the customer assistance we have provided to drinking water systems, the professional connections that our field staff has created in communities across the state, the acres of historical contamination we helped clean up, the increase in public awareness about air quality, our ongoing efforts to promote conservation and reuse, and so much more.

Along the way, we have experienced many firsts. We were the first state in the nation to receive authorization to operate the hazardous waste program. More recently, we became the first state to receive Environmental Protection Agency approval for a coal ash permit program. Additionally, we were the first state agency in Oklahoma to meet and exceed the governor's energy reduction goals for state buildings. Our headquarters in Oklahoma City is 100-percent wind power for electricity needs. I also think about the first H2Oklahoma event and the first ScienceFest event, both of which engage elementary school students in learning about science.

None of these achievements would have been possible without our biggest asset, which is our employees. Our continued success can be attributed to our steadfast commitment to providing quality service for Oklahomans. We have gained significant momentum over the past two-and-a-half decades and look forward to continuing for decades to come.

To all DEQ employees, customers, and stakeholders, thank you for your continued support.

Sincerely,

Scott Thompson



DEQ TIMELINE

1998 – DEQ issues its first pesticides-in-fish consumption advisory

1998 – Federal Lead-Based Paint Certification and Accreditation Program delegated to DEQ

1998 – State Environmental Laboratory receives its first Drinking Water primacy laboratory certificate from EPA

1998 – State Environmental Laboratory begins analytical support for the Beneficial Use Monitoring Program (BUMP)

1998 – AQD begins monitoring PM 2.5

Here Since Day 1 . . . and still going

Cristi Andrews	July 1, 1993
John Ashford	July 1, 1993
Cheryl Bradley	July 1, 1993
Michael Broderick	July 1, 1993
Milton Campbell	July 1, 1993
Hal Cantwell	July 1, 1993
Shellie Chard	July 1, 1993
Kay Coffey	July 1, 1993
Wayne Craney	July 1, 1993
Kelly Dixon	July 1, 1993
Joe Drummond	July 1, 1993
Jeffrey Dye	July 1, 1993
Florence Fields	July 1, 1993
Jimmy Givens	July 1, 1993
Ramona Haggins	July 1, 1993
Gail Hamill	July 1, 1993
Mark Hildebrand	July 1, 1993
Kerri Housley	July 1, 1993
Bryce Hulsey	July 1, 1993
Jayme Jones	July 1, 1993
Brooks Kirlin	July 1, 1993
Rita Kottke	July 1, 1993
Billy Kropf	July 1, 1993
Jeffrey Lawler	July 1, 1993
Richard McDaniel	July 1, 1993
Debbie Nichols	July 1, 1993
Vinette Packhorse	July 1, 1993
David Pruitt	July 1, 1993
Vicki Reed	July 1, 1993
Greg Ressel	July 1, 1993
Jon Roberts	July 1, 1993
Michael Robinson	July 1, 1993
Fenton Rood	July 1, 1993
Robert Ross	July 1, 1993
Leetta Sanders	July 1, 1993



David Schutz	July 1, 1993
Catherine Sharp	July 1, 1993
Marilyn Simpson	July 1, 1993
Bryan Sims	July 1, 1993
John Smith	July 1, 1993
Wesley Squyres	July 1, 1993
Kent Stafford	July 1, 1993
Saba Tahmassebi	July 1, 1993
Debbie Taylor	July 1, 1993
Scott Thompson	July 1, 1993
Melvin Tucker	July 1, 1993
Bruce Vande Lune	July 1, 1993
Randall Ward	July 1, 1993
Pamela Watson	July 1, 1993
Dianne Wilkins	July 1, 1993
Chris Wisniewski	July 1, 1993
Jay Wright	July 1, 1993
Steven Wright	July 1, 1993
Mary Wyatt	July 1, 1993

DEQ TIMELINE

1998 – DEQ issues its first NPDES General Permit

1999 – EPA and DEQ sign Brownfields MOA, ensuring no separate federal action on properties that go through the state program

1999 – DEQ heavily involved in response to May 3rd tornado outbreak.

2000 – NRC awards Agreement State status to DEQ for its radiation program

2000 – DEQ heavily involved in response to Christmas Day ice storm

2001 – Waste Management Division renamed Land Protection Division to better reflect expanding responsibilities

Environmental Quality Board Members



Tim Munson



Jimmy Kinder



Shannon Ferrell



David Griesel



Tracy Hammon



Homer Nicholson



Jan Kunze



Steve Mason



Michel Paque



Billy G. Sims



Kenneth L. Hirshey, Jr.



Perry Mark Barton

Member	Professional Realm	Appointing Official	Term Expires
Tim Munson*	Nonprofit Statewide Environmental Organization	Governor	1/31/2023
Jimmy Kinder**	Rural Water District	Governor	1/31/2022
Shannon Ferrell	Agriculture Industries	Governor	1/31/2020
David Griesel	Solid Waste Industry	Governor	1/31/2022
Tracy Hammon	Petroleum Industry	Governor	1/31/2019
Homer Nicholson	Local Governing Body of a City or Town	Governor	1/31/2020
Jan Kunze	Conservation District Representative	Governor	1/31/2021
Steve Mason	Hazardous Waste Industry	Governor	1/31/2021
Michel Paque	Nonprofit Statewide Environmental Organization	Governor	1/31/2022
Billy G. Sims	Nonprofit Statewide Environmental Organization	Governor	1/31/2019
Kenneth L. Hirshey, Jr.	Environmental Professional	Governor	1/31/2019
Perry Mark Barton	Manufacturing	Governor	1/31/2023
Vacant	Water Usage		

* Chair **Vice Chair

DEQ TIMELINE

2001 – ECLS begins implementing soil profile process instead of percolation tests to design on-site sewage systems

2001 – DEQ receives final approval from EPA for the Air Quality Title V Program

2001 – DEQ receives first Brownfields Revolving Loan Fund grant

2002 – DEQ establishes a Green Team to promote environmental awareness and sustainable practices

2002 – DEQ heavily involved in response to western Oklahoma ice storm

2002 – State Environmental Laboratory begins testing drinking water for disinfection byproducts

Board Rulemaking Activities

Chapter	Council	Subject	Adopted	Type	Effective
4 SC 7	EQB	Created three new sections: 252:4-79 - Aquifer Storage and Recovery application - Tier I; 252:4-80 - ASR applications - Tier II; and 4-81 - ASR applications - Tier III for ASR applications within Subchapter 7, Part 7. Facilities may apply to DEQ for permits required for an ASR project.	11-7-17	Permanent	9-15-2018
100 SC 2 and Appendix Q	AQAC	Updated language in Subchapter 2, reflecting the latest date of incorporation of EPA regulations in Appendix Q. Updated OAC 252:100, Appendix Q, incorporating the latest changes to U.S. Environmental Protection Agency (EPA) regulations.	11-7-17	Permanent	9-15-2018
100 SC 7	AQAC	Revised Part 9 of OAC 252:100-7, Permits for Minor Facilities, by adding a new permit by rule (PBR) for minor facilities whose obligation to obtain an air quality permit is due to the presence or installation of a gasoline dispensing facility with greater than 100,000 gallons of monthly throughput, or gasoline dispensing facility with greater than 100,000 gallons of monthly throughput and an emergency engine.	11-7-17	Permanent	9-15-2018
100 SC 8	AQAC	Amended to ensure that facilities subject to OAC 252:100-8-35 are using the most up-to-date guidance available and to keep Oklahoma's air quality rules in line with federal regulations. The Department amended OAC 252:100-8-35, "Air quality impact evaluation," to remove or revise date references to reflect EPA's most current regulations.	11-7-17	Permanent	9-15-2018
205 SCs 3, 13, 15, 17	HWMAC	Incorporated by reference the federal hazardous waste regulations found in 40 CFR Parts 124 and 260-279 revised as of July 1, 2017. The generator rule revisions required amendments to several subchapters of the 252:205 rules due to federal citation changes. In some cases language was added or deleted to the state rules to ensure equivalency with the federal rules. In addition, this rulemaking revoked the applicable parts of subchapter 17, which are no longer supported by statute since 27A O.S. § 2-11-303 was revoked by the Oklahoma Legislature in 2013.	11-7-17	Permanent	9-15-2018
515 SCs 3, 21, 27	SWMAC	Amended OAC 252:515 in response to legislative changes regarding tires that fall under the scope of the Used Tire Recycling Program. Also corrected citations and clarified language throughout Chapter 515.	2-16-18	Permanent	9-15-2018

DEQ TIMELINE

2002 – First ScienceFest

2002 – Mark Coleman retires and Steve Thompson appointed as second DEQ Executive Director

2002 – Certification for on-site sewage installers becomes mandatory

2003 – Oklahoma/Arkansas Statement of Joint Principles and Actions regarding controlling phosphorus in the Scenic Rivers watersheds

2003 – AQD begins air toxics sampling

2003 – DEQ heavily involved in response to May 8th Moore tornado

2004 – DEQ establishes Central Records Section

Chapter	Council	Subject	Adopted	Type	Effective
517 SCs 1, 9, 11, 13, 15, 17, 19	SWMAC	Amended 252:517 to remove invalid or nonexistent citations to ensure the Disposal of Coal Combustion Residuals from Electric Utilities rules are consistent with the Oklahoma Administrative Rules (OAR) formatting requirements and to clarify the program's compliance with federal regulations; corrected typos and made other non-substantive administrative changes.	2-16-18	Permanent	9-15-2018
626 SC 1	WQMAC	Amended the definition for "Public Water Supply (PWS) System" to exclude certain purchase water systems that meet explicit requirements; and amended the definition for "Validated dose" in order to correct a typographical error.	11-7-17	Permanent	9-15-2018
628 SCs 1, 3, 5, 7, 9, 11 App. A	WQMAC	Created a new Chapter, OAC 252:628 Indirect Potable Reuse for Surface Water Augmentation (IPR). This rule describes how DEQ will regulate new discharges of treated municipal wastewater to existing Public Water Supply (PWS) surface waterbodies for the purpose of augmenting the existing volume of water available for PWS purposes. These rules will guide DEQ in the issuance of discharge and construction permits to those who wish to undertake an IPR project. The rules establish effluent water quality benchmarks and permit implementation procedures, treatment standards for IPR treatment plants, operation and maintenance standards, operator certification standards, and IPR receiving waterbody monitoring requirements. In addition, the Chapter establishes fees associated with IPR permitting and operations.	2-16-18	Permanent	9-15-2018
631 SCs 1, 3	WQMAC	(1) Amended the definition for "Public Water Supply (PWS) System" to exclude certain purchase water systems that meet explicit requirements; (2) Updated the rule concerning the date of the incorporation by reference of certain federal regulations from July 1, 2015, to January 1, 2017. This specifically allows for newly approved alternative testing methods for contaminants listed at 40 CFR 141.21(f)(3) found in Appendix A to Subpart C of Part 141; (3) Clarified the reporting requirements of 40 CFR 141; and (4) modified language to include a process control test to stabilize calcium carbonate for groundwater systems.	11-7-17	Permanent	9-15-2018
653 SC's 1, 3, 5, 7, 9, 11	WQMAC	Created a new Chapter, OAC 252:653 Aquifer Storage and Recovery, to create a regulatory structure for an aquifer storage and recovery (ASR) program. This Chapter enables DEQ to issue permits to those who wish to undertake an ASR project. The Chapter establishes a multi-phase permitting process and requirements for the construction and operation of an ASR project. The Chapter requires appropriate testing and modeling to ensure a project is feasible and that the aquifer is not harmed.	11-7-17	Permanent	9-15-2018

AQAC – Air Quality Advisory Council
EQB – Environmental Quality Board

HWMAC – Hazardous Waste Management Advisory Council
SWMAC – Solid Waste Management Advisory Council

WQMAC – Water Quality Management Advisory Council

DEQ TIMELINE

2004 – DEQ begins recycling at Woody Guthrie Folk Festival in Okemah

2005 – Implementation of state plan for voluntary buyout and relocation assistance for families with young children in the Tar Creek area

2005 – DEQ joins OKC's Adopt-A-Street program

2006 – Initiation of federal plan for voluntary buyout and relocation assistance for residents and businesses in the Tar Creek area due to subsidence risks

c. 2006 – DEQ begins working on a blue-green algae response plan, in light of a major BGA bloom in a Kansas lake

Air Quality Advisory Council

Member	Professional Realm	Appointing Official	Term Expires
Gerald A. Butcher	Utilities	Governor	6/15/2020
Montelle Clark	General Public	Governor	6/15/2019
Gary Collins**	Agriculture	Governor	6/15/2024
Jeffrey P. Taylor	Local Government	Governor	6/15/2022
Gregory Elliott	Petroleum Industry	Governor	6/15/2019
Jim Haught	Transportation	Governor	6/15/2021
Laura Lodes*	Engineering	Governor	6/15/2020
Robert D. Delano	Higher Education	Governor	6/15/2025
Stephen Landers	Manufacturing	Governor	6/15/2023

* 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 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 council voted to re-elect Laura Lodes, representing the engineering profession, as Chair, and Gary Collins, representing the agriculture industry, as Vice Chair for the 2018 calendar year. Upon the resignation of David Gamble, Gregory Elliott was appointed by the Governor to represent the petroleum industry.

Two meetings were held during FY 2018. At the October 2017 meeting in Oklahoma City, AQAC recommended for adoption the annual update of Appendix Q, Incorporation By Reference (IBR), to incorporate the latest modifications to federal regulations, and updating language in Subchapter 2, IBR, to reflect the latest date of incorporation of Environmental Protection Agency (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, AQAC recommended for adoption changes to OAC 252:100, Subchapter 7, Permits for Minor Facilities, to simplify the permitting process and reduce the regulatory burden for owners and operators of gasoline dispensing facilities or gasoline dispensing facilities with emergency engines. AQAC also recommended adoption of changes to Subchapter 8, Permits for Part 70 Sources and Major New Source Review (NSR) Sources to remove or revise certain date references to reflect EPA's most current regulation in order to ensure that industry follows the most up-to-date EPA regulations available.

The second FY18 meeting was held in June 2018 in Owasso. Rules to update regulations applicable to aerospace coating facilities were considered at that meeting and were held over to the October 2018 meeting. No rules were recommended to the EQB from this meeting.

DEQ TIMELINE

2006 – DEQ begins cleanups of Oklahoma armories under the Site Cleanup Assistance Program (SCAP)

2006 – AQD begins monitoring for mercury

2006-2007 – DEQ pilot studies on flexible work week for employees

2007 – DEQ heavily involved in response to January ice storm

2007 – DEQ assists with response to discovery of chemical weapons test kits at Great Salt Plains National Wildlife Refuge

Hazardous Waste Management Advisory Council

Member	Professional Realm	Appointing Official	Term Expires
Debra Smith	Political Subdivision	Governor	3/1/2020
Noble Stanfield	Statewide Nonprofit Environmental Association	Governor	3/1/2021
Bob Kennedy	Industry	Governor	3/1/2020
Wesley Anderson	Industry Generating Hazardous Waste	Pro Tempore	2/13/2021
Kenneth Ede	General Public	Pro Tempore	6/30/2021
Lyndel Gibson	Political Subdivision	Pro Tempore	9/30/2019
Terry Vandell	Geology	Speaker of the House	3/31/2019
Ray Reaves**	Engineering	Speaker of the House	3/31/2021
Lee Grater*	Hazardous Waste Industry	Speaker of the House	3/31/2020

* Chair **Vice Chair

The Hazardous Waste Management Advisory Council met on October 12th, 2017 in Oklahoma City. The purpose of the meeting was to change the IBR date to 2017 to ensure equivalency with the federal program. Specific rule changes that were incorporated included the Generator Improvement Rules.

Changes to these rules necessitated corresponding changes to the state rules to ensure that citations were correct; therefore, several subchapters in the state rules had to have minor revisions to ensure equivalency. The other rulemaking activity was to revoke applicable parts of subchapter 17 in the state rules which had become obsolete after a statutory change in 2013. Finally, a budget presentation was made and the meeting was adjourned.



DEQ TIMELINE

2007 – EPA recognizes DEQ for energy conservation in DEQ's headquarters building by awarding the agency an Energy Star rating

2007 – The Skirvin Hotel in OKC reopens after undergoing extensive renovation assisted by the Brownfields Revolving Loan Program

2008 – DEQ heavily involved in response to an incident of pesticide contamination of a public water supply in Lone Grove

2008 – Oklahoma Legislature passes Oklahoma Computer Equipment Recovery Act

Solid Waste Management Advisory Council

Member	Professional Realm	Appointing Official	Term Expires
Matthew B. Newman	Solid Waste Incineration, Waste-to-Energy Industry	Governor	6/30/2019
Traci Phillips	Statewide Environmental Organization	Governor	3/1/2019
Ilda Hershey	General Public	Governor	3/1/2020
Rodney Cleveland	County Commissioner	Governor	3/1/2015
Thomas Lazarski	Industry Generating Solid Waste	Pro Tempore	3/16/2020
Jim Linn	Political Subdivision	Pro Tempore	3/1/2019
Bill Torneten	Geology	Pro Tempore	3/1/2021
Brenda Merchant**	Transportation	Speaker of the House	12/4/2020
M. Todd Adcock	Solid Waste Disposal Industry	Speaker of the House	3/7/2020
Jeffrey A. Shepherd*	Engineering	Speaker of the House	10/31/2019

* Chair **Vice Chair



The Solid Waste Management Advisory Council (SWMAC) serves as the initial rulemaking body for the Land Protection Division 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 EQB. Once approved by EQB, the rules proceed to the 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 SWMAC were convened during the fiscal year. Amendments were made to Oklahoma Administrative Code (OAC) 252:515, Management of Solid Waste, in response to legislative changes regarding tires that fall under the scope of the Used Tire Recycling Program. OAC 252:515 was also amended to remove outdated references and incorrect citations and to clarify language. Revisions to OAC 252:517 Rules for Disposal of Coal Combustion Residuals from Electric Utilities were also accomplished. Changes included revisions to clarify compliance with federal regulations and other non-substantive administrative changes.

DEQ TIMELINE

2008 – DEQ heavily involved in follow-up to E coli illness outbreak associated with a restaurant in Locust Grove

2009 – DEQ assists other agencies in sampling and other follow-up related to an illness outbreak among athletes that participated in a triathlon that included swimming in the Oklahoma River

2009 – DEQ begins residential mercury recovery program

2009 – DEQ moves to 100% wind power for its electricity needs

Radiation Management Advisory Council

Member	Professional Realm	Appointing Official	Term Expires
Jason Kurt Steincamp	Industry Located in this State that Uses Sources of Radiation in its Manufacturing or Processing Business	Governor	7/1/2019
Karen Jennings**	Environmental Organization	Governor	7/1/2021
Jeffrey Lux	Engineering Profession	Governor	7/1/2020
Christopher Honigsberg	General Public	Pro Tempore	4/30/2020
Wayne Conway	Industrial Radiography	Pro Tempore	3/3/2019
George MacDurmon*	Faculty of Institute of Higher Learning of University Status	Pro Tempore	1/4/2021
Chad Mashburn	Petroleum Industry	Speaker of the House	6/30/2020
Charles Shepherd	Transportation Industry	Speaker of the House	6/30/2019
Shawn Heldebrandt	Medical Industry	Speaker of the House	6/30/2021

* Chair **Vice Chair

The major event of FY 18 for the Radiation Management Advisory Council (RMAC) was the retirement of Council Chair Steve Woods. Mr. Woods, a registered Professional Engineer, worked for Halliburton as Global Radiation Safety Officer for many years and was a member of RMAC since its inception in 1993. Mr. Woods served as Vice-Chair for several years and as Chair of the Council for more than ten years. Mr. Woods has provided great service to RMAC and the people of Oklahoma for many years. DEQ appreciates his tireless efforts and hopes he catches many fish in his retirement.



DEQ TIMELINE

2010 – DEQ issues first mercury-in-fish consumption advisory

2010 – Dale McHard retires from DEQ after 52 years of state service

2010 – State Environmental Laboratory completes analysis of its 1,000,000th sample

2010 – Oklahoma submits its regional haze state implementation plan to EPA

2011 – DEQ initiates day-forward imaging plan

2011 – Customer Services Division becomes State Environmental Laboratory Services Division to better focus on laboratory services and accreditation functions; some programs moved to other Divisions

Water Quality Management Advisory Council

Member	Professional Realm	Appointing Official	Term Expires
Jon Nelson	General Public	Governor	3/1/2020
Alexandria B. Kindrick	Environmental Organization	Governor	3/1/2021
Jeffrey E. Short	Engineering	Governor	3/1/2019
Brian Duzan*	Private Laboratory	Governor	3/1/2020
Jim Rodriguez	Industry	Pro Tempore	3/16/2020
Steve Sowers	Oil Field Related	Pro Tempore	3/2/2021
Duane L. Winegardner**	Geology	Pro Tempore	2/19/2021
Robert Carr, Jr.	Waterworks or Wastewater Works Operator/Municipal	Pro Tempore	10/31/2019
Debbie Wells	Rural Water District	Speaker of the House	6/30/2019
Terry Wyatt	Agriculture	Speaker of the House	6/30/2019
Mark Matheson	Waterworks or Wastewater Works Operator/Rural District	Speaker of the House	6/30/2019
Vacant	Local Government		



* Chair **Vice Chair

The Water Quality Management Advisory Council (WQMAC) is made up of twelve members appointed for three-year terms who 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 EQB. Currently, 23 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 2018, WQMAC passed rule changes to Chapters 4, 626, and 631. Two new rule chapters, Chapter 628, Indirect Potable Reuse for Surface Water Augmentation, and Chapter 653, Aquifer Storage and Recovery were also passed.

DEQ TIMELINE

2011 – First of Oklahoma's major blue-green algae blooms (Grand Lake)

2011 – State Environmental Laboratory initiates harmful algal bloom (HAB) testing

2011 – First Red River Fish kill

c. 2011 – DEQ 101 meetings held around the state, to provide critical regulatory information to stakeholders

2012 – DEQ IT assets and personnel transferred to Office of Management and Enterprise Services (OMES)

2012 – New state regulations are promulgated for construction and operation of water reuse facilities

Employees of the Quarter



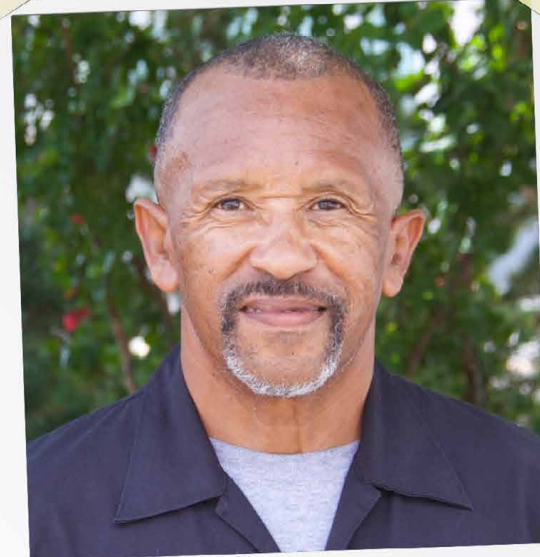
Sara Ovey - **First Quarter**



Heather Mallory - **Second Quarter**



Dawell Wright - **Third Quarter
and Employee of the Year**



Glenn Neighbors - **Fourth Quarter**

DEQ TIMELINE

2013 – DEQ heavily involved in response to May tornado outbreaks and flooding events

2013 – State Environmental Laboratory begins analytical support for the Oklahoma Comprehensive Water Plan

2013 – Steve Thompson retires as DEQ Executive Director; Scott Thompson appointed as third DEQ Executive Director

2014 – Office of External Affairs established

2014 – Workgroups established on customer service culture, improving workforce training and succession planning, improving public relations and outreach, and enhancing agency's financial review and planning process

Our **Mission Statement**

**The mission of the
Oklahoma Department of Environmental Quality
is to protect people
through the air we breathe,
the water we drink,
and the land on which we thrive,
helping to make Oklahoma
an even better place to live.**



DEQ TIMELINE

2015 – Cross-program “Brownbag” trainings initiated

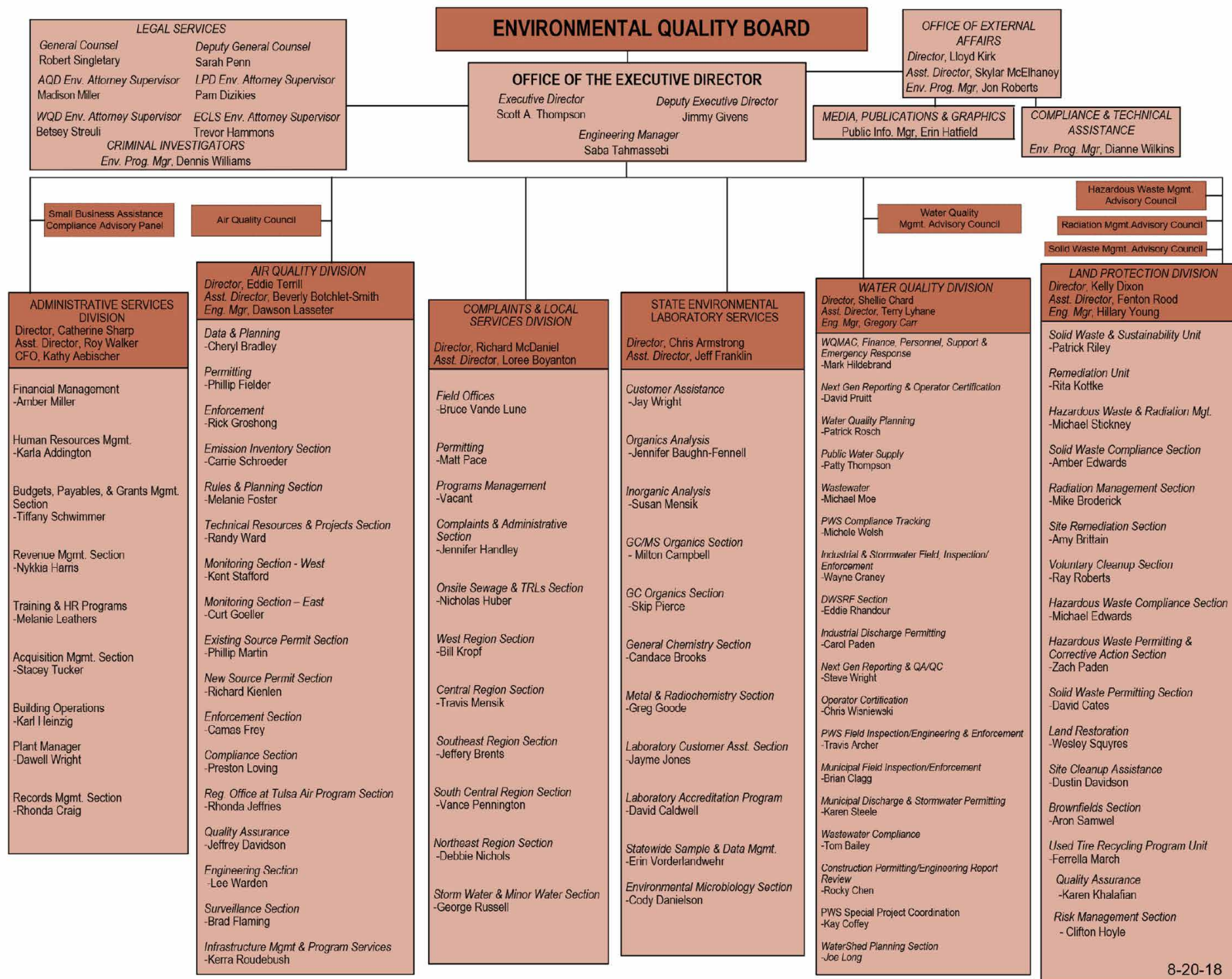
2015 – Formation of Oklahoma (Fish) Kill Response Management Team (OKRMT)

2015 – Formation of a workgroup to study the applicability of aquifer storage and recovery in Oklahoma

2015 – Initiation of a school chemical disposal program for Oklahoma public schools

2015 – DEQ recognized for being first state agency to meet (and exceed) Governor’s 20 X 2020 energy reduction goal

Organizational Chart



DEQ TIMELINE

2015 – Creation of the Water Loss Audit Program to assist water systems in determining areas of water loss and revenue loss

2015 – Air quality monitoring bench established at the Children's Garden at OKC's Myriad Botanical Gardens

2016 – DEQ/Severn Trent settlement for \$955K

2016 – Oklahoma Department of Commerce estimates DEQ's Brownfields Program has resulted in 147% growth in jobs on Brownfields properties and retail sales have increased by 4300% on those properties

Environmental Quality Report

*For consideration and approval by the Environmental Quality Board
on November 7, 2017*

DEQ is required by statute to annually 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 summarize DEQ's annual budget needs for providing the environmental services within its jurisdictional areas, new federal mandates, and state statutory or constitutional changes recommended by DEQ. The report must be reviewed and approved by the Environmental Quality Board prior to its submittal to the Governor and legislative leaders.

I. ANNUAL BUDGET REQUEST

DEQ is slated to receive \$5,695,766 in state appropriated funding for FY 2018. This represents a reduction of 4.87 percent from the FY 2017 appropriation of \$5,987,388 and is almost \$3.4 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 SFY 2019. DEQ, with the approval of the Environmental Quality Board, is requesting a general revenue appropriation of \$6,322,635 for FY 2019. The specifics of this request are contained in Appendix A to this report.

DEQ's total budget for FY 2019 – including fee revenues and federal funds – is indeterminate as of the date of submittal of this report. This is due to some variability in fee income, but especially because of uncertainty over state appropriated funding during a period of state economic struggles and the current unpredictability over the level of federal grant funding that will be available to the states. The total DEQ budget for current FY 2018 is roughly \$84,000,000, comprised of approximately 7 percent state general revenue funding, 26 percent federal funding, 11 percent federal funding for the Office of the Secretary of Energy and Environment, and 56 percent 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.



DEQ TIMELINE

2018 – Unveiling of new DEQ specialty license plates

2018 – DEQ receives delegation for CCR program

2018 and beyond – More DEQ milestones to come

II. FEDERAL MANDATES

AIR QUALITY DIVISION (AQD)

Clean Power Plan

In 2014, President Obama directed EPA to issue carbon standards for new and existing power plants. In 2015, EPA finalized the Clean Power Plan (CPP), which was 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 have been due to EPA by no later than September 2018.

Numerous industry groups challenged the CPP's legality in the D.C. Circuit Court of Appeals. In February of 2016, the U.S. Supreme Court issued an order to stay implementation of the CPP pending judicial review. The stay remains in effect. Oral arguments before the D.C. Circuit en banc were held on September 27, 2016, but no decision has been issued.

In October 2017, EPA announced that it was proposing to repeal the Clean Power Plan regulations. It is uncertain whether any alternative will be proposed.

Volkswagen Mitigation Trust

In 2016, EPA filed a complaint against Volkswagen alleging violations of the Clean Air Act. Actions taken by Volkswagen had caused NOx emissions from certain of their vehicles to be much lower during laboratory emissions testing than during normal operations. As part of the settlement with EPA, Volkswagen was required to establish a \$2.7 billion mitigation trust fund. The mitigation trust fund will pay for defined eligible projects that reduce NOx. Oklahoma's portion of this fund will be approximately \$20.9 million. DEQ is expected to be named trust beneficiary and will work with the Secretary of Energy and Environment and the Governor's office to ensure the money is spent in accordance with trust requirements. Work is underway to develop the mitigation plan to be submitted to the trust for approval, after public comment.

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.

Based on DEQ's analysis of the data from 2014-2016, Governor Fallin submitted a letter to EPA recommending that Oklahoma in its entirety be designated attainment/unclassifiable. The statutory deadline for designations by EPA was October 1, 2017, but EPA has not yet issued them. The EPA administrator may determine that an extension of time to complete designations is necessary. Due to Oklahoma's continued compliance with the 2015 standard, including the period 2015-2017, it is in Oklahoma's best interest for designations to move forward.

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), on 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 (SO₂) 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 SO₂ emission units across the state using a combination of modeling and monitoring to determine compliance with the standard. AQD staff have spent a considerable amount of time modeling a number of sources and working with them to evaluate their compliance status and determine whether monitoring would be necessary. This analysis led to the establishment of two new monitoring sites (near Kremlin, specifically for the Oxbow Calcining facility, and in the Pryor MidAmerica Industrial Park) and the relocation of one monitor (in the Muskogee area). Monitors across the state continue to monitor compliance with the SO₂ standard.

LAND PROTECTION DIVISION (LPD)

SOLID WASTE

Coal Combustion Residuals (CCR)

State rules for management of CCR became effective June 9, 2016 as Oklahoma Administrative Code (OAC) 252:517 Disposal of Coal Combustion Residuals from Electric Utilities. Passage of the Water Infrastructure Improvements for the Nation (WIIN) Act in late 2016 included provisions that required states to apply to EPA for CCR permit program approval and operate under EPA oversight. Oklahoma applied and was the first state to receive program approval, effective July 30, 2018.

EPA revised provisions of the CCR rule, Part 257, and plans additional revisions in the fall of 2018 and early 2019. Additionally, the D.C. Appellate Court rendered a decision vacating portions of Part 257 and remanding other portions back to EPA. Changes to the Federal regulations (both accomplished and anticipated) made some provisions of OAC 252:517 more stringent – and more importantly, some less – than its Federal counterpart. Revisions will need to be made to Chapter 517 in order that it may remain at least as stringent as the Federal Part 257 rule and compliant with EPA program approval. Revising Chapter 517 will be difficult as revisions of Part 257 are occurring rapidly and EPA does not yet know how vacated and remanded portions of the rule will be rewritten.

CLEANUP PROGRAMS

Vapor Intrusion

The final rulemaking to add a subsurface intrusion component to the Superfund Hazard Ranking System became effective on May 22, 2017. The extent to which this will impact the DEQ Superfund program is uncertain, pending further training, guidance, and revision of the "Quickscore" program, but DEQ can now test for and evaluate subsurface intrusion if DEQ determines it is necessary during Preliminary Assessment/Site Inspection projects.

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

SAFE DRINKING WATER ACT

Lead in Drinking Water

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. As a result of the issues raised in the Flint, Michigan, case, this rule is a priority for EPA. The comment period closed in May 2017, and it is expected the rule will be finalized at a relatively rapid pace. DEQ expects to receive more questions and requests for sampling once the rule is finalized. The costs to DEQ are uncertain at this time. Theoretically, there should be no new 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 Lead and Copper Rule Long-Term Revision during 2018. This rule is expected to require additional monitoring, reporting, and public education for public water supply systems and to separate the required monitoring for lead and copper. Every water system will be required to submit new monitoring plans. There will be increased corrosion control treatment requirements and a push for complete replacement of lead service lines. Line replacement could mean significant costs to water systems, depending upon the amount of line replacement necessary. WQD will see increased costs associated with conducting public outreach, reviewing the required monitoring plans, making compliance determinations, and meeting an increased need by public water supply systems for technical assistance. Especially because of the separate monitoring for lead and copper, SELS workloads for laboratory customer assistance, sample management and analysis will increase.

Infrastructure Financing

Both the authorizing legislation for the Drinking Water State Revolving Fund and the Water Infrastructure Improvements for the Nation (WIIN) Act include funding for water infrastructure upgrades. Lead reduction is a high priority for the drinking water systems. If additional infrastructure funding is appropriated, there will be an increase in workload on the WQD staff to complete the technical work required prior to the Oklahoma Water Resources Board making the loans or grants. Additionally, there will be increases in construction inspections and payment processing. DEQ must maintain adequate staffing in these programs to ensure that the infrastructure funding is awarded to the publicly owned water or wastewater systems in a timely manner to assist them in protecting public health.

CLEAN WATER ACT

Waters of the United States (Clean Water) Rule

On July 27, 2017, EPA and United States Army Corps of Engineers (USACE) published notice that the agencies plan on an interim basis to return to the previous regulatory definition of Waters of the United States. The Obama-era Waters of the United States rule has been judicially stayed and EPA and USACE are working to propose a replacement. At this point it is unknown what the new proposed rule will include and what the implications might be for DEQ.



National Pollutant Discharge Elimination System (NPDES) Program Update Rule

The proposed NPDES Program Update Rule would provide updates to the NPDES program related to state implementation and decision-making. The initial proposal, published in May 2016, included additional data requirements for permit 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 EPA could begin the process to "federalize" the permit. This provision would significantly increase DEQ's workload and put the regulated community at risk for federalized permits.

After the initial publication in 2016, EPA received over 14,000 comments. Most centered on the administratively continued permit issue. EPA has indicated that there will be a revised proposed rule published in late 2017, with a goal of finalizing the rule during calendar year 2018.

Method Update Rule for the Analysis of Effluent

EPA's revised Method Update Rule for the Analysis of Effluent became effective September 27, 2017. It modifies the procedures approved for sampling and testing. The procedure for the determination of the Method Detection Limit (MDL) is also amended, which may be problematic for some labs and may require the implementation of new technology or methodology. The change affects all accredited and lab-operator certified laboratories performing compliance testing required by the Oklahoma Pollutant Discharge Elimination System or National Pollutant Discharge Elimination System. Some Safe Drinking Water Act testing also will be subject to this new procedure. The cost to the SELS, WQD, and the affected laboratories for training, implementation, and accreditation will be significant.

III. LEGISLATIVE RECOMMENDATIONS

The following is proposed as a DEQ "request" bill for the 2018 Oklahoma regular legislative session.

AUTHORIZATION FOR BOND FINANCING

DEQ's employee parking garage for its Oklahoma City headquarters building requires major repairs. DEQ has received permission from the state Long-Range Capital Planning Commission to proceed on the parking garage renovation project, utilizing bond financing. The agency must obtain legislative authorization to proceed with bond financing for the project.



Appendix A

Proposed Operations Funding Changes For the Fiscal Year Ending 06/30/2019

On-Going Requests	FY 2018 Appropriation	FY 2019 Requested Increase	FY 2019 Total Appropriation Request
State Environmental Laboratory Services	\$1,694,379	\$274,888	\$1,969,267
Environmental Complaints and Local Services	\$2,615,607	\$201,981	\$2,817,588
Water Quality Division	\$1,385,780	\$0	\$1,385,780
Subtotal On-Going Requests	\$5,695,766	\$476,869	\$6,172,635
One-Time Requests			
Air Quality Division		\$150,000	\$150,000
Total Requests	\$5,695,766	\$626,869	\$6,322,635

SELS – Public Water Supply and Laboratory Customer Support

\$91,629

This request allows the SELS to fund 1 position. This position would primarily provide compliance assistance to public water supplies that use SELS for sample analysis. Assistance would be in the form of scheduling, provision of supplies, and technical assistance that PWSs, especially small systems, need to remain in compliance with federal and state drinking water rules. This position would also provide direct sampling assistance and field analysis to systems for required testing that is more technical in nature to support the Safe Drinking Water Act. This position would also provide technical and sampling assistance to wastewater systems, private citizens, environmental emergencies, complex complaint investigations, and the Mercury in Fish program. Funding this position will allow SEL to maintain services at the level currently provided as demand for services increases due to increased monitoring requirements and workload.

SELS – Public Water Supply and Organics Analysis Group

\$183,259

The enforcement of Phase II/V National Primary Drinking Water Regulation by the Water Quality Division will significantly increase the workload of the State Environmental Laboratory Services Division, particularly with regards to testing for Synthetic Organic Compounds (SOC). The SOC workload for PWSs will dramatically increase to a volume unprecedented for the last 25 years. The increased workload is expected to place critical strain on the Organics Analysis Group's ability to accomplish its work. When coupled with its current workload of PWS, Superfund, Emergency Response and Complaint testing, which is not expected to decline, it may be impossible to accomplish this testing at the current staffing level. The increase in SOC testing is expected to begin January 1, 2018. Training for analytical procedures takes approximately one year for a new scientist to become proficient in SOC testing. We urge you to consider the addition of two (2) positions to the SELSD Organics Analysis Group.

Environmental Complaints and Local Services

\$201,981

This request allows ECLS to fund three of the five positions that have been eliminated since FY2017. Filling these positions will bring the ECLS staff to the number of positions required by the staffing model. Due to the loss of five positions, we reduced the number of ECLS local offices and were forced to reduce the number of facility inspections from quarterly to annual inspections. These inspections include Public Water Supplies, Wastewater Treatment Plants, and Solid Waste Facilities. We have also reduced oversight of the Onsite Septic System Program. Even with the aforementioned reductions in workload the staffing model shows that we are still down by three full-time employees. Funding these three positions would allow us to be more responsive to technical assistance and complaint requests from citizens, enable us to process permit applications in a more prompt manner, better assist small communities with drinking water, wastewater and solid waste problems, and more effectively respond to natural disasters (drought, tornadoes, earthquakes, floods, power outages, etc.) and manmade disasters (hazardous waste spills, water supply contamination, etc.).

Air Quality Division

\$150,000

The Oklahoma Department of Environmental Quality, Air Quality Division uses a web based system called Redbud to collect emission inventory information from regulated entities. Redbud was built in house over ten years ago and has had some modifications to improve data quality as it is collected; however, this system needs major upgrades to the application platform to keep up with technology. The emissions inventory reporting season typically runs the first quarter of every calendar year and has periods of extremely heavy traffic. During heavy use of the system, customers and staff experience frequent deadlocks in the system that cause delays in reporting data. Air Quality believes the continued use of Redbud in its current platform will be burdensome to customers and staff. For Air Quality to continue to meet its responsibilities of collecting emission inventory information and reporting the data to the US EPA, our current system, Redbud, must have a total upgrade or we must obtain a replacement. There are off-the-shelf reporting platforms that have been built in recent years that are scaled to perform under heavy traffic and provide regulated entities more flexibility to enter and update their data and regulators faster reporting to EPA. Air Quality believes it would be more financially responsible in the long term to replace rather than upgrade Redbud. The Air Quality Division is requesting \$150,000 either upgrade Redbud or to acquire an off-the-shelf replacement and have it customized to meet our needs.

Appendix B



Department of Environmental Quality FY2018 Budget

Budget	Amount
Salaries and other Compensation Expenses	\$46,077,255
Professional Services	\$17,014,586
Travel Expenses	\$1,166,482
Administrative Expenses	\$5,434,157
Lab Equipment, Furniture and Building Construction, and Air	\$3,142,622
Local Governments and Nonprofit Projects and Programs	\$10,989,001
Total Expenses	\$83,824,105

Funding Sources	Amount
19801 General Appropriations	\$4,695,766
REV to GR Special General Appropriations	\$1,000,000
20000 Revolving Fund	\$45,935,484
21000 Environmental Education Fund	\$10,000
22000 Hazardous Waste Penalty Fund	\$132,000
22500 Certificate Fund	\$895,241
40000 Federal Funds	\$22,252,330
41000 Water Management Federal Fund	\$8,903,285
Total Funding Sources	\$83,824,106

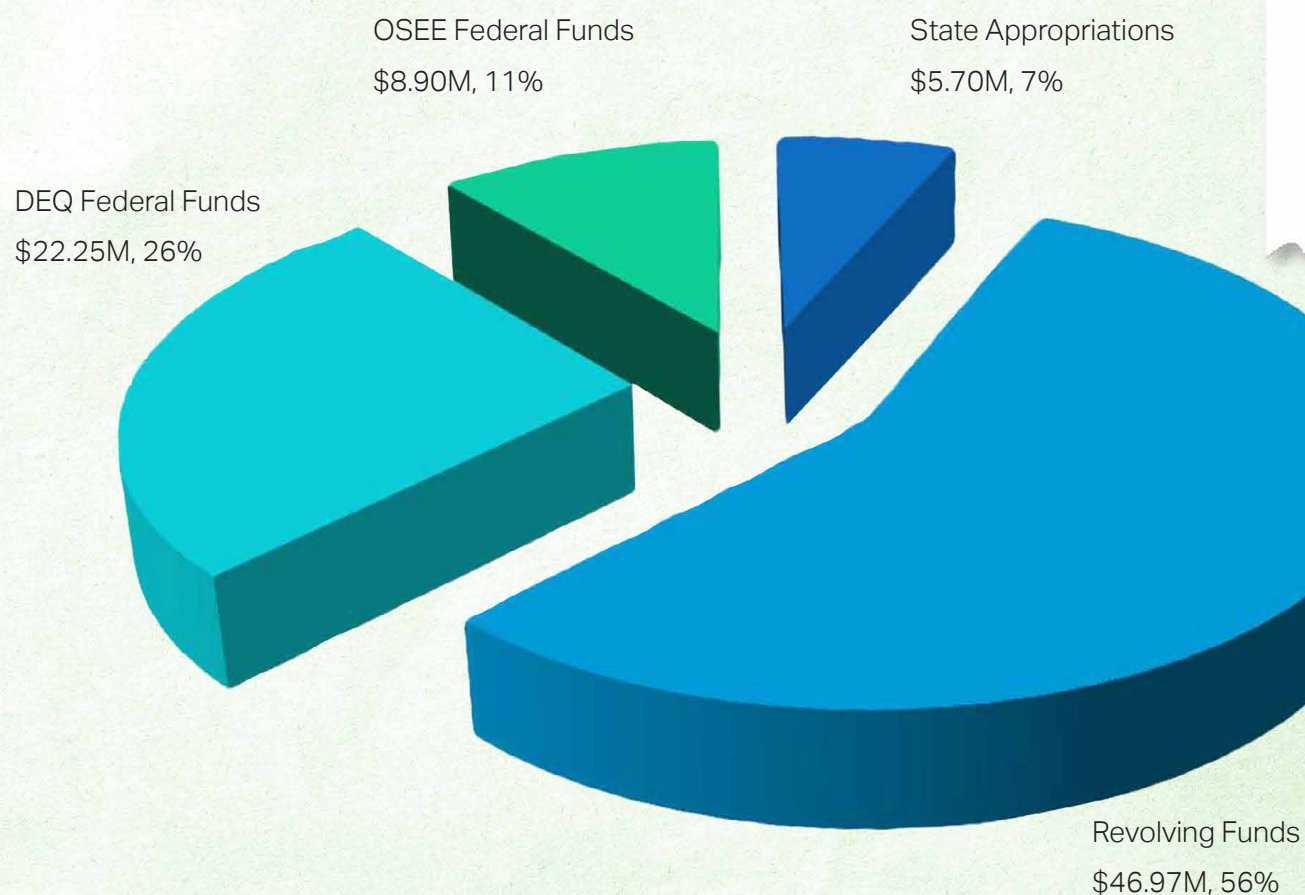
FY 2018

Total Agency Budget

Budget

- **State Appropriations (General Revenue) - 7%**
- **Revolving Funds (Program Fees) - 56%**
- **Federal Funds (Grants) - 26%**
- **OSEE Federal Funds (Grants) - 11%**

- **State Appropriations**
- **Revolving Funds**
- **DEQ Federal Funds**
- **OSEE Federal Funds**



Solid Waste Fees Budgeted & Expended

FY2018 Income (receipts for 07/01/2017 - 06/30/2018)

\$6,359,209

	FY 2018 Budget for Solid Waste Program	FY 2018 Expenditures as of 08/29/18	FY 2018 Remaining Encumbrances
Salaries and other Compensation Expenses	\$3,033,754	\$3,458,825	-
Travel Expenses	\$90,350	\$73,400	\$273
Administrative Expenses	273,799	\$280,749	\$38,409
Lab Equipment, Furniture and Building Construction, and Air Monitoring Sites	\$65,669	\$9,766	-
Indirect Costs (FY2018 approved rate is 30.07%)	\$912,250	\$1,069,471	
Professional Services/Local Governments and Nonprofit Projects and Programs			
SWRINO/Solid Waste Research Institute	\$110,000	\$90,000	-
Oklahoma County Circuit Engineering District Board Admin	\$35,000	\$35,000	-
Keep Oklahoma Beautiful	\$90,000	\$90,000	-
Sustainable Tulsa	\$50,000	\$50,000	-
Oklahoma City Beautiful	\$10,000	\$45,000	-
Okmulgee Co Conservation Dist	\$150,000	\$140,148	\$9,952
Community Based Environmental Protection	\$500,000	\$222,199	\$139,801
Projects to Implement County Plans	\$620,000	\$620,000	-
Other solid waste projects TBD as funds exist	\$550,000	\$111,971	\$1,221
Recycling Equipment	\$200,000	\$19,803	\$20,197
Total Budget for Contracts	\$2,315,000	\$1,424,120	\$171,172
TOTALS	\$6,690,822	\$6,316,331	\$209,854

	FY 2019 Budget for Solid Waste Program
Salaries and other Compensation Expenses	\$3,229,431
Travel Expenses	\$70,190
Administrative Expenses	\$235,445
Lab Equipment, Furniture and Building Construction, and Air Monitoring Sites	\$14,563
Indirect Costs (FY2019 approved rate is 29.80%)	\$962,370
Professional Services/Local Governments and Nonprofit Projects and Programs	
SWRINO/Solid Waste Research Institute	\$110,000
Oklahoma County Circuit Engineering District Board Admin	\$35,000
Keep Oklahoma Beautiful	\$90,000
Sustainable Tulsa	\$100,000
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	\$2,365,000
TOTALS	\$6,876,999

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. There was \$50,931 in income to the Hazardous Waste Fund in FY 18, derived from administrative penalties associated with violations of the Oklahoma Hazardous Waste Management Act, 27A O.S. § 2-7-101 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 FY 2018, DEQ used these funds to provide mercury collection and disposal services for 27 Oklahoma households and provided 19 counties with basic emergency response equipment.



Agency Statistics

Air Quality Division

Ambient Monitoring	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Continuous Monitoring Systems	55	55	56	56	56
Non-continuous Stations	19	19	19	19	19
Toxics Stations	11	11	12	12	12

Number of Air Samples Collected (continuously/hourly)

Ozone (in thousands)	34.0	31.7	34.9	31.6	132.2
Sulfur Oxides (in thousands)	19.6	19.6	19.2	19.2	77.6
Total Oxides of Nitrogen (in thousands)	8.7	6.6	5.9	5.9	27.1
Nitrogen Dioxide-NO2 (in thousands)	8.7	6.6	5.9	5.9	27.1
Nitrogen Oxides-NO (in thousands)	8.7	6.6	5.9	5.9	27.1
Carbon Monoxide (in thousands)	6.3	6.5	6.4	6.1	25.3
Special Purpose (in thousands)	13.8	17.7	18.6	25.4	75.5
PM-10 (in thousands)	7.9	6.3	6.1	6.4	26.7
PM-2.5 (in thousands)	21.4	20.2	20.9	22.4	84.9

Number of Air Samples Collected (non-continuous/daily)

PM-10	115	113	114	80	422
PM-2.5	210	222	226	256	914
PM-Coarse	65	64	62	63	254
Toxics	380	373	403	438	1,594
Lead	36	33	33	32	134

Compliance

Number of days when ozone was within the 8-hour NAAQS	86	92	90	79	347
Number of total monitors demonstrating compliance (out of 47 total)	47	47	47	47	47

Excess Emissions Monitoring

Excess Emissions Report	217	257	321	235	1,030
-------------------------	-----	-----	-----	-----	-------

Emissions Inventory

Billings

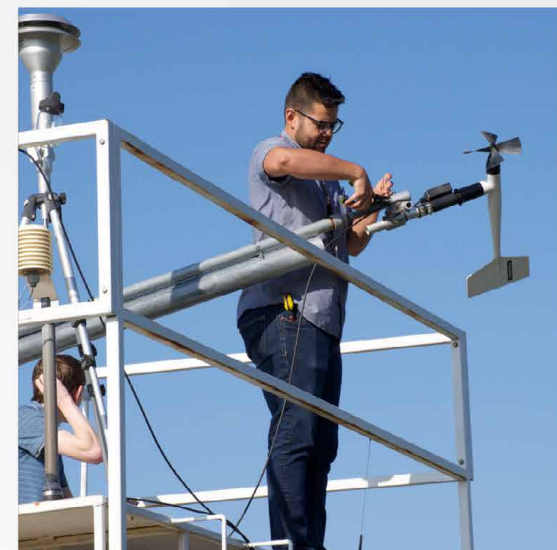
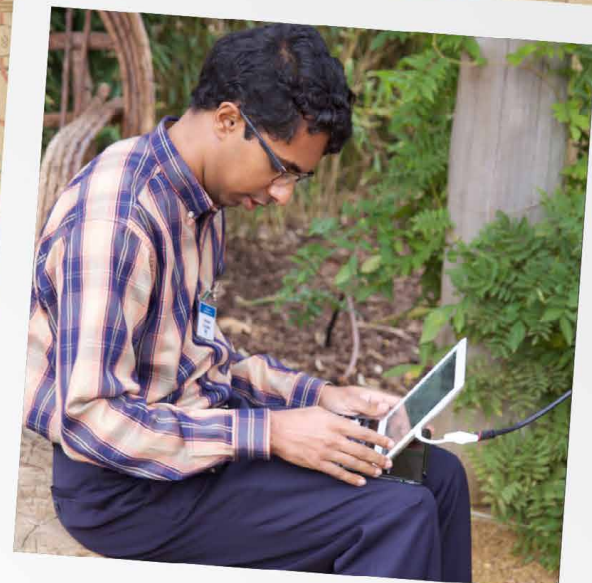
Companies with Major Facilities	116	20	2	0	138
Companies with Major and Minor Facilities	52	5	4	0	61
Companies with Minor Facilities	386	19	0	0	405

Inventories Received

Companies	18	10	632	296	956
Facilities	39	39	5,897	5,181	11,156

Enforcement Administration - Air Enforcement

Notices of Violation	1	0	1	0	2
Formal Actions	4	2	3	3	12
Level III Violation Letters	8	6	1	11	26
Alternate Enforcement Letters	25	20	17	14	76
Self Disclosures Received	26	30	37	52	145
Asbestos Actions	0	0	1	0	1
Fines Paid (in thousands of dollars)	11.025	1.276	2.45	49.968	64.719



Agency Statistics

Air Enforcement continued

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
SEP Dollars (in thousands)	0	0	0	16.954	17
Total Number of SEPs	0	0	0	1	1
Reductions in Tons of Emissions from Enforcement Actions	153	304	0	0	457
Complaints Resolved within 90 Days	12	12	39	3	66
Complaints Unresolved, but still within 90 day deadline	13	9	11	10	43
Total Complaints	25	21	40	13	99
Total Facilities in significant Non-compliance	19	18	18	17	21
New Facilities in significant Non-compliance	0	1	0	2	3

Inspections – Air Inspections

Monitoring Inspections (from ECLS)	16	29	17	26	88
On-Site Compliance Evaluations	68	104	101	142	415
Off-Site Compliance Evaluations	1,154	711	1,419	742	4,026
Asbestos Inspections	220	117	227	136	700
Stack Tests Observed	7	4	8	6	25
Stack Tests Reviewed	565	377	544	366	1,852

Lead Based Paint

Lead Based Paint Certification

Inspector	3	0	0	8	11
Risk Assessor	1	2	0	77	80
Abatement Worker	0	7	0	13	20
Supervisor	1	1	0	47	49
Project Designer	0	0	0	2	2
Firm	2	4	0	70	76

Lead Based Paint Compliance Inspections

	2	2	4	8	16
--	---	---	---	---	----

Lead Based Paint Enforcement Actions

	0	3	1	3	7
--	---	---	---	---	---

LBP Enforcement Actions resulting in LBP contractor returning to substantial compliance with program requirements

	0	3	1	3	7
--	---	---	---	---	---

Lead Based Paint Outreach

Events	1	0	0	0	1
Participants	15	0	0	0	15

Permit Administration – Air Quality Permitting

Construction Applications/Permits Issued

Minor Received	189	213	196	223	821
Minor Issued	191	213	193	220	817
Major Received	4	3	3	2	12
Major Issued	5	2	6	7	20
PSD Received	1	0	1	1	3
PSD Issued	1	1	1	2	5

Operating Applications/Permits Issued

Minor Received	640	343	381	470	1,834
Minor Issued	584	346	274	451	1,655



Agency Statistics

Operating Applications/Permits Issued continued

	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Major Received	37	37	27	34	135
Major Issued	22	19	26	24	91
PSD Received	0	0	0	0	0
PSD Issued	0	0	0	0	0
Title V Initials and Modifications Received	8	9	6	6	29
Title V Initials and Modifications Issued	4	3	2	4	13
Title V Renewals and Modifications Received	29	28	21	28	106
Title V Renewals and Modifications Issued	18	16	24	20	78
Acid Rain Received	0	0	0	3	3
Acid Rain Issued	0	0	0	0	0
Relocation Received	4	2	2	3	11
Relocation Issued	4	2	1	3	10
Applications Withdrawn	7	4	5	8	24
Title V Initial and Renewal Modifications Issued - Total	14	12	11	15	52
Title V Initial and Renewal Modifications Issued - Significant	1	0	1	1	3
Applicability Determination Received	15	11	7	6	39
Applicability Determination Issued	11	12	6	7	36
Permits Denied	0	0	0	0	0
Total Applications Received	890	609	617	742	2,858
Total Permits Issued	818	595	507	717	2,637
Minor Permit Status > 90 Day Timeline	52	56	146	97	351
Tests Observed	5	1	4	0	10
Performance Inspections	11	18	11	5	45
Permit Protest Hearings	0	0	0	0	0
Number of PSD Modeling Analysis Conducted	4	2	2	2	10
Number of Title V Air Permits Passing Federal Review	20	21	19	21	81

Public Information and Education

Ozone Watches and Alerts

Oklahoma City	3	0	0	2	5
Tulsa	2	0	0	2	4
Lawton	0	0	0	0	0
Rural Oklahoma	0	0	0	0	0
AQ Health Advisories	8	3	8	21	40

Environmental Education

Events

Conference Presentations	2	1	0	0	3
Conference Displays	0	0	0	0	0
Community Wide Events	0	1	0	0	1

Education Presentations

K-12	0	0	0	0	0
University	0	1	1	2	4
Community/Adult	1	1	3	2	7

Contacts

	750	7,135	303	119	8,307
--	-----	-------	-----	-----	-------

Quality Assurance

Audits

Continuous	40	42	40	49	171
Non-Continuous	15	13	15	15	58
Interlab	5	3	0	6	14

Data Validation

	354	346	365	376	1,441
--	-----	-----	-----	-----	-------

Standards Certified

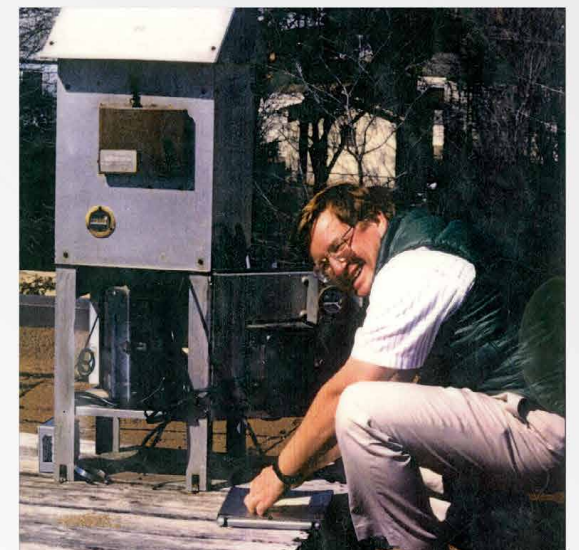
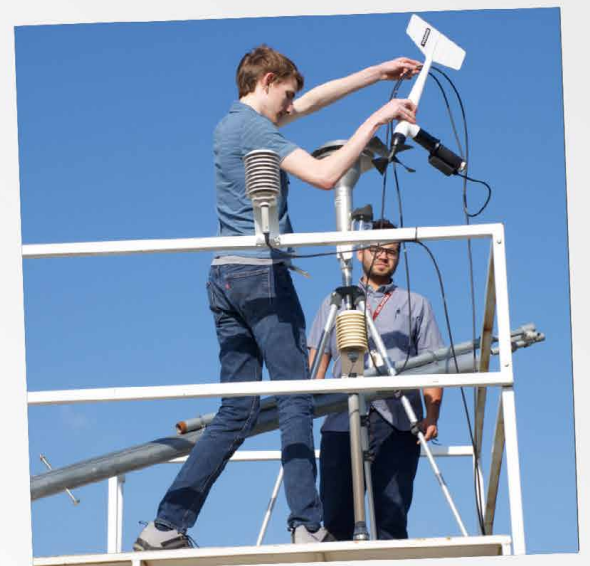
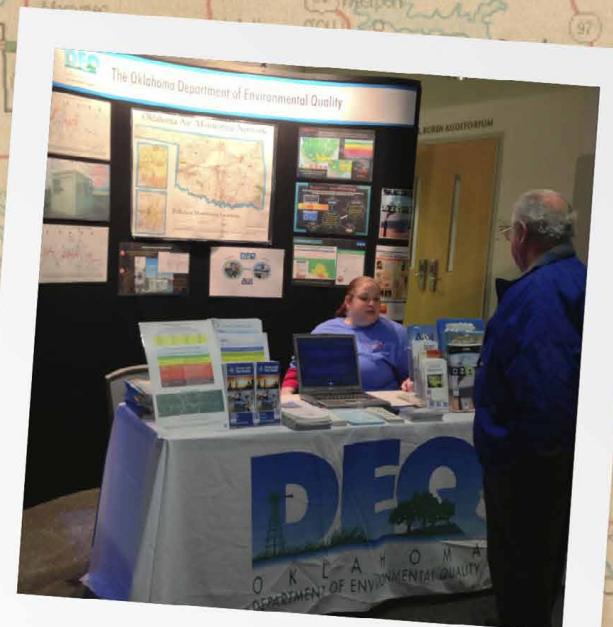
	169	142	167	157	635
--	-----	-----	-----	-----	-----

Filter Checks

	121	127	127	140	515
--	-----	-----	-----	-----	-----

Precision Tests

	417	392	384	423	1,616
--	-----	-----	-----	-----	-------



Agency Statistics

Environmental Complaints and Local Services Division

Complaint Statistics	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Total Spills/Complaints Received	814	756	984	1,104	3,658
Spills/Complaints Referred to Other Agencies	52	71	99	125	347
Total DEQ Spills/Complaints Received	762	685	885	979	3,311
Spills Received	94	92	83	109	378
Complaints Received	668	593	802	870	2,933
Publicly-Owned Wastewater Facility & Lines	26	19	33	39	117
Private Wastewater Service Lines	97	70	87	102	356
Public Water Supply	59	58	45	51	213
Fish Kills	8	0	2	21	31
Unpermitted Discharge	26	26	37	43	132
Industrial Stormwater	1	1	0	0	2
Industrial Wastewater Treatment	1	0	0	0	1
Fugitive Dust	34	21	42	46	143
Air Facilities Emissions	12	4	6	1	23
Odors	41	35	58	31	165
NESHAP Violations	6	3	9	6	24
Lead Based Paint	0	3	1	3	7
Solid Waste Car Wash Sludge	0	0	0	0	0
Solid Waste Transfer Station	0	2	0	0	2
Solid Waste Landfill Operation	4	4	1	2	11
Tires	3	3	5	9	20
Hazardous Waste Facility Operation	1	1	1	0	3
Hazardous Waste Improper Disposal	1	0	0	0	1
Radiation	4	1	3	1	9
Underground Injection Control	0	0	0	0	0
Total Retention Lagoon - lagoon, collection and land application	9	10	8	13	40
On-site Sewage	96	94	126	145	461
Improperly installed on-site sewage system (certified installation)	1	1	3	1	6
Improperly installed on-site sewage system (non-certified installation)	20	15	20	17	72
Aerobic system maintenance (system installed 2 years or less)	1	0	2	0	3
Malfunctioning aerobic system	27	24	30	39	120
Private Water Supply	3	1	3	3	10
Open Burning	58	51	63	75	247
Unpermitted Disposal of Solid Waste	96	115	177	178	566
Septage Pumpers and Haulers	2	7	4	1	14
Construction Stormwater – permit or discharge	28	24	34	38	124
Minor Water Supplies	3	0	1	0	4
Self-reported Spill/Release – Highway Remediation	1	1	2		
Disaster Response					
Debris Disposal Sites Registered	6	2	1	4	13
FOIA Searches	311	223	272	417	1,223



Agency Statistics

Inspections

Air Quality – Air Inspections	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Monitoring Inspections	28	30	18	27	103
Waste Management – Solid Waste Inspections					
Monitoring Inspections	33	24	8	8	73
Water Quality					
Public Water Supply					
Monitoring Inspections	329	446	255	233	1263
Minor Water Systems	54	117	88	206	465
Municipal Wastewater					
Monitoring Inspections	82	82	73	78	315
Total Retention Lagoons					
Monitoring Inspections	104	121	86	48	359
Industrial Wastewater					
Monitoring Inspections	101	107	78	201	487
Stormwater					
NOT Inspections	283	254	267	176	980
Active Permit Inspections	71	56	62	37	226
No Exposure Inspections	90	92	135	29	346
Septage Pumpers					
Inspections	1	15	181	2	199
Total # of Inspections					4816

Enforcement Administration

Enforcement Actions - Unpermitted Activities

Notices of Violation

Open Burning	3	1	1	0	5
Open Dumping	1	1	4	5	11
Fugitive Dust	1	1	0	1	3
Surfacing Sewage	2	2	5	0	9
Minor Water System	1	0	1	0	2
Certified Installers	0	2	0	0	2
Non-Certified Installers	3	4	5	3	15
Septage Pumpers/Haulers	0	1	0	4	5
Total Retention Lagoons	0	6	5	5	16
Highway Spill Remediation	0	2	1	0	3
Certified Soil Profilers	0	1	0	1	2
Stormwater - Construction	2	2	1	5	10

Total

83

Formal Actions

Open Burning	2	5	1	0	8
Open Dumping	6	5	9	11	31
Fugitive Dust	0	1	0	2	3
Surfacing Sewage	15	15	13	20	63
Certified Installers	0	1	0	1	2
Non-Certified Installers	5	3	2	8	18



Agency Statistics

Formal Actions continued	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Septage Pumpers/Haulers	1	0	0	1	2
Total Retention Lagoons	6	2	5	1	14
Highway Spill Remediation	0	0	0	0	0
Minor Water System	2	0	2	0	4
Certified Soil Profilers	0	0	0	0	0
Stormwater - Construction	2	0	1	2	5
Total					150
Fines Paid					
Open Burning	\$0	\$500	\$500	\$500	\$1,500
Open Dumping	\$1,260	\$10,260	\$260	\$0	\$11,780
Fugitive Dust	\$0	\$0	\$0	\$0	\$0
Surfacing Sewage	\$0	\$0	\$0	\$0	\$0
Certified Installers	\$0	\$0	\$0	\$400	\$400
Non-Certified Installers	\$2,400	\$0	\$0	\$150	\$2,550
Septage Pumpers/Haulers	\$0	\$0	\$0	\$0	\$0
Total Retention Lagoons	\$5,170	\$1,550	\$6,350	\$9,729	\$22,799
Certified Soil Profilers	\$0	\$0	\$0	\$0	\$0
Stormwater - Construction	\$0	\$0	\$0	\$0	\$0
Total					\$39,029

Permit Administration

ECLS Requested Services

Private Sewage

Soil Tests	131	128	141	176	576
Existing System Inspections	15	11	8	13	47
Authorizations Issued	1,691	1,644	1,563	1,864	6,762
Alternative System Permits Issued	23	25	10	18	76

Septage Pumpers and Haulers

Septage Pumper Licenses Issued	27	13	60	135	235
--------------------------------	----	----	----	-----	-----

Highway Remediation

Highway Remediation Licenses issued	1	17	12	3	33
-------------------------------------	---	----	----	---	----

Water Quality

Storm Water-Construction

Authorizations Issued	239	516	805	854	2414
Authorizations Terminated	123	176	32	229	560

Storm Water-Industrial

Authorizations Issued	208	253	1138	151	1750
Authorizations Terminated	29	16	85	18	148

Technical Assistance

Air Quality	5	7	7	9	28
Wellhead Protection	5	2	2	2	11
Fish Kills	2	0	0	2	4
Hazardous Waste	4	2	2	3	11
Industrial WW	4	5	4	1	14
Solid Waste	6	5	13	8	32



Agency Statistics

Technical Assistance continued	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Minor Water	3	4	2	5	14
Onsite Sewage	127	114	119	104	464
Private Water	16	15	10	7	48
Promote Soil Profile	1	24	1	19	45
Public Water Supply	44	33	32	19	128
Septage Hauler and Transporter	1	3	1	4	9
Spill	1	0	1	3	5
Stormwater	8	8	8	10	34
Tires	0	0	0	0	0
Total Retention Lagoon	36	14	21	17	88
Water Pollution Control	16	8	12	9	45
TOTAL	279	244	235	222	980

Individual Water Well Evaluation

Requested Services – Private Water

Water Well Inspections	3	1	2	3	9
------------------------	---	---	---	---	---

Operator Certification

On-site System Installer Certification

Renewal Training Attendees	6	146	87	13	252
----------------------------	---	-----	----	----	-----

New Certification Examinations

Sub-surface Examinations	0	6	0	9	15
Lagoon Examinations	0	1	2	0	3
Aerobic Spray Examinations	10	3	11	0	24
Aerobic Drip Examinations	1	1	0	0	2
Low Pressure Dosing Examinations	0	0	0	0	0

Soil Profiler Certification

Renewal Training Attendees	0	92	6	0	98
New Certifications	2	0	2	0	4



Agency Statistics

Land Protection Division

Council/Rulemaking Meetings

Council Meetings	QTR 1	QTR2	QTR 3	QTR 4	TOTAL
HWMAC Meetings/Rulemaking Hearings	0	1	0	0	1
RMAC Meetings/Rulemaking Hearings	0	0	0	0	0
SWMAC Meetings/Rulemaking Hearings	1	0	1	0	2
Total					3

Permit Administration

Public Meetings for Permitting	0	0	0	0	0
--------------------------------	---	---	---	---	---

Hazardous Waste

Permit applications/plans received	49	56	80	54	239
Permit applications/plans approved	60	54	61	59	234
Permit Protest Hearings	0	0	0	0	0
Permits approved within timelines	60	54	61	59	234
Percent of sites on the GPR 2020 list at which site-wide corrective action construction is complete					75%

Radiation

License applications/amendments received	109	99	102	129	439
License applications/amendments issued	95	119	104	155	473
Licenses issued within timelines	95	119	104	155	473

Solid Waste

Permit applications/plans received	215	237	174	222	848
Permit applications/plans approved	173	196	172	232	773
Permit Protest Hearings	0	0	0	0	0
Permits approved within timelines	173	196	172	232	773

UIC

Permit applications/plans received	9	15	8	15	47
Permit applications/plans approved	11	14	9	12	46
Permit Protest Hearings	0	0	0	0	0
Permits approved within timelines	11	14	9	12	46
Percent of Permits/Licenses Approved Within Timelines					100%

Citizen and Local Government Outreach

Citizen Outreach - Mercury

Households from which mercury was collected for recycling	6	5	7	9	27
Schools provided assistance with chemical disposal	6	2	7	10	25

Citizen Outreach - Radon

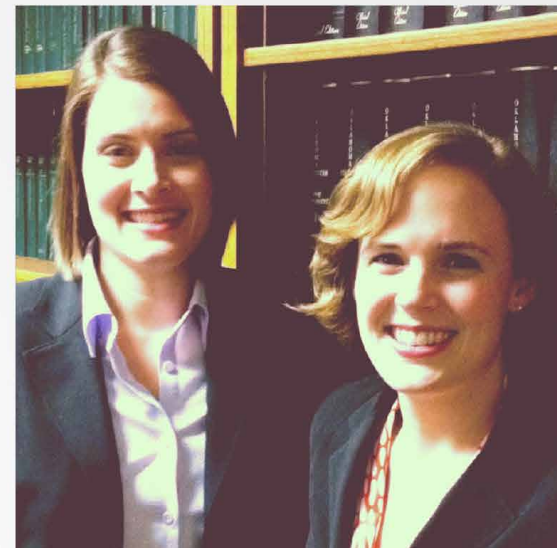
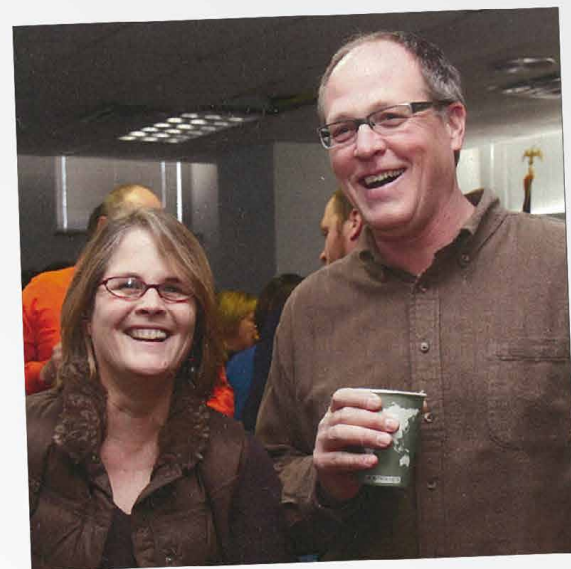
Radon test kits requested by homeowners and schools					1201
---	--	--	--	--	------

Citizen Outreach - Radiation Surveys

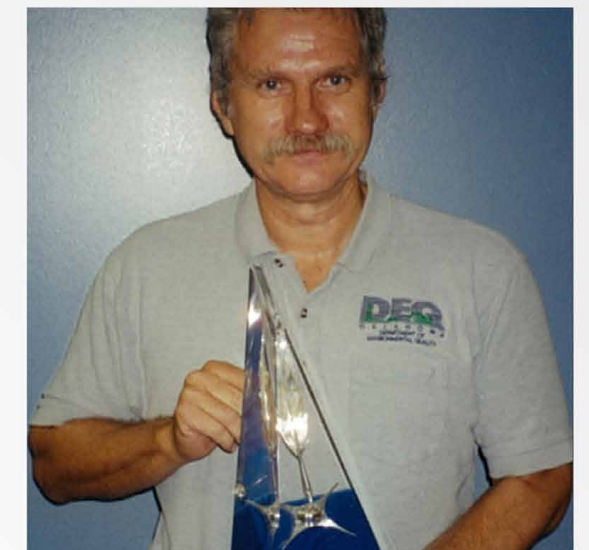
Radiation surveys performed	9	13	30	9	61
-----------------------------	---	----	----	---	----

Citizen Outreach - Industrial Radiography

Industrial radiography exams held	2	2	2	3	9
Individuals taking industrial radiography exams	51	134	98	156	439



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					53
Number of National Guard armories, orphan sites, and abandoned or underused, publicly-owned buildings remediated and available for reuse	0	1	0	0	1
Communities & non-profits assisted with Brownfield funding	54	56	35	34	179
Dollar amount of solid waste fees reinvested in local projects					\$1,577,800

Citizen Outreach - SQG Self-Certification

Percentage of SQG universe participating in self-certification	15.90%	15.30%	15.50%	17%	Not cumulative
Percentage of SQG universe participating in self-certification that self-identified at least one area of non-compliance	50%	No reporting facilities	33%	25%	33%

Land Restoration

Brownfields

Phase I/II Targeted Site Assessments	1	0	1	2	4
Sites cleaned up using Brownfield Revolving Loan Funds	2	0	0	0	2
Brownfield Certificates issued	1	0	0	0	1

Superfund

Preliminary assessments and site inspections completed	1	1	2	3	7
Active NPL sites					15
NPL sites in state-lead operations and maintenance					6
Removals conducted by DEQ					0
Removals conducted by EPA with DEQ assistance					2
DOD facilities going through the CERCLA process					30

Voluntary Clean-Up Program

Contaminated sites in the VCP	84	83	82	82	Not cumulative
Contaminated sites cleaned up under the VCP	13	1	3	0	17

Governmental Entities

Governmental entities assisted with restoration of damaged lands	7	5	6	6	24
--	---	---	---	---	----

Waste Tires

Community-wide collection events held	7	2	8	11	28
Tires diverted from illegal dumping through community-wide collection events	38,507	36,934	43,275	65,378	184,094
Illegal tire dumps remediated	9	13	10	12	44
Abandoned tires remediated from illegal dumps	11,575	4,747	11,309	4,893	32,524

Total acres of land cleaned up or restored to beneficial reuse

					83
--	--	--	--	--	----

Tons of chat from the Tar Creek Superfund Site marketed

	0	19,574.65	75,472.49	31,032.76	126,079.90
--	---	-----------	-----------	-----------	------------

Tons of chat from the Tar Creek Superfund Site disposed

	0	0	0	39,870.86	39,870.86
--	---	---	---	-----------	-----------

Agency Statistics

Complaints	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Complaints referred to LPD	12	6	9	13	40
LPD complaints resolved < 90 days or approved extension	10	7	7	3	27
Percent of Complaints Resolved Within 90 Days or Approved Extension					100%

Inspection Programs

Hazardous Waste

Inspections at Oklahoma hazardous waste generators, transporters, & non-commercial disposal facilities	13	18	12	22	65
Hazardous waste inspections at Oklahoma military facilities	0	0	2	3	5
Inspections at Oklahoma commercial hazardous waste disposal facilities	0	1	1	0	2
Groundwater monitoring evaluations at hazardous waste disposal facilities	0	1	0	1	2

Radiation

Inspections at Oklahoma licensees	34	38	36	34	142
-----------------------------------	----	----	----	----	-----

Solid Waste

Inspections at Oklahoma solid waste disposal facilities	77	144	56	69	346
---	----	-----	----	----	-----

UIC

Inspections at Oklahoma UIC wells	0	6	0	6	12
-----------------------------------	---	---	---	---	----

Used Tires

Inspections at Oklahoma used tire processors	18	18	18	18	72
Inspections of tire dealers and motor license agents	20	25	16	85	146

Total

					792
--	--	--	--	--	-----

Enforcement Administration

Hazardous Waste

Notices to Comply issued	5	4	2	6	17
Notices of Violation issued	0	3	1	1	5
Orders issued	0	0	0	5	5
Facilities in significant non-compliance	0	1	0	1	2
Dollar amount of fines paid	\$0	\$0	\$0	\$52,951.85	\$52,951.85
Supplemental Environmental Projects	0	0	0	1	1
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$4,975.15	\$4,975.15

Radiation

Notices of Violation issued	27	35	22	18	102
Orders issued	0	1	0	0	1
Dollar amount of fines paid	\$0	\$4,750	\$0	\$0	\$4,750
Supplemental Environmental Projects	0	0	0	0	0
Dollar amount of Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0

Solid Waste

Notices of Violation issued	1	0	0	0	1
Orders issued	2	2	0	1	5
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



Agency Statistics



UIC	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Notices of Violation issued	0	0	0	2	2
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

Used Tires

Notices of Violation issued	0	0	0	0	0
Orders issued	1	0	0	0	1
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

Non-hazardous Industrial Waste

NHIW certifications reviewed	265	295	276	277	1,113
------------------------------	-----	-----	-----	-----	-------

Total Enforcement Actions

					122
--	--	--	--	--	-----

Total Fines					\$57,701.85
-------------	--	--	--	--	-------------

Total SEPs					1
------------	--	--	--	--	---

Total SEP \$					\$4,975.15
--------------	--	--	--	--	------------

Sara Title III - Community Right to Know (EPCRA)

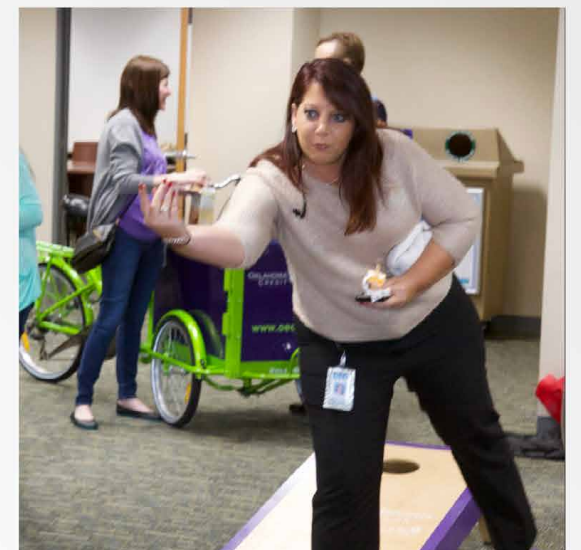
Tier 2 Reports Filed	49	16	50,710	1,074	51,849
Toxic Release Reports Filed	1,392	0	0	0	1,392
Industry Request for Guidance	547	871	3,865	1,449	6,732
CAMEO/Submit Instruction/Presentations	13	16	33	7	69
LEPC Meetings Attended	20	4	15	13	52
TRI Inspections Attended	1 Tier II	0	0	0	0



Agency Statistics

Office of External Affairs

Graphics and Publications	QTR 1	QTR 2	QTR 3	QTR 4	TOTAL
Designs/Illustrations/Graphics Produced	260	340	225	242	1,067
Publications/Brochures/Fact Sheets Produced	96	221	98	57	472
Web Requests					
Agency	55	71	73	68	267
Public	4	2	4	9	19
.Gov Delivery					
Subscribers	2,123	2,855	2,983	3,589	Not Cumulative
Information Dissemination & Environmental Education					
Conferences/Displays	0	3	2	0	5
Env Education Packets/Information Distributed	100	200	75	150	525
Oklahoma Green Schools					
Registered Schools	10	4	2	3	19
Students Impacted	843	106	50	245	1,244



Agency Statistics

State Environmental Laboratory Services

Laboratory Operations

Laboratory Tests Performed

	TOTAL
SDWA	17,009
OWRB	14,367
Lab Priority	528
ODEQ	1,173
Private	7,055
Contractual	536
PDES	454
SELS	860

TOTALS

41,982

Labwide Test by Test Reporting

	TOTAL
EM	15,508
GC	1,441
GCMS	1,637
HM	4,645
RC	476
WC	18,270

TOTALS

41,977

Laboratory Improvements

New Instruments	11
New Equipment	11
Replacement Instruments	3
Replacement Equipment	9
New Methods Implemented	1
Methods in Development	1

Lab Capacity

	% Capacity
Analysis Inventory	37
Block Digestor	58
Detectors	33
FIA	29
GC	48
GCMS	43
GPC	61
ICP	50
ICPMS	25
Incubator	50
IC	20
Ovens	42
Refrigerator	41.3

AVERAGES

41.3



Agency Statistics

Staffing		Max Capacity
PINS Filled		54.75
PINS Empty		2.5
Division Staffing %		96
New Hires		2
Turnover		5
Average Years of Experience		12
Special Projects		Total
QAPP Reviews		2
Project Planning Meetings		19
Project Follow Ups		6
Level 2 Packets		8
Level 3 Packets		0
Level 4 Packets		0
New Major Projects		7
TOTALS		42
SELS Special Operations – Emergency Response		TOTAL
Primacy		
Field Events		0
Sampling Event		0
Technical Assistance Events		8
Non-primacy		
Field Events		0
Sampling Event		2
Technical Assistance Events		2
Emergency Response Exercises		
Events		3
Complaints		
Field Events		0
Sampling Event		0
Technical Assistance Events		36
Crypto		
Field Events		0
Sampling Event		63
Technical Assistance Events		22
Fish Kills		
Field Events		0
Sampling Event		2
Technical Assistance Events		14
Enforcement Assistance		
Field Events		0
Sampling Event		0
Technical Assistance Events		0
Fish Consumption Advisories		
Reservoirs Sampled		29



Agency Statistics

Enforcement Assistance continued

Advisories Evaluated	0
Consumption Advisories Added	0
Consumption Advisories Dropped	0

TOTALS	181
---------------	------------

Laboratory Customer Support

SDWA	TOTAL
Technical Assistance	7,629
Project Sampling Kits Provided	14,541
Targeted Outreach	10

OWRB	
Technical Assistance	3
Project Sampling Kits Provided	296
Targeted Outreach	22

Contractual	
Technical Assistance	4
Project Sampling Kits Provided	174
Targeted Outreach	0

DEQ	
Technical Assistance	54
Project Sampling Kits Provided	84
Targeted Outreach	11

Private	
Technical Assistance	6,200
Project Sampling Kits Provided	2,595
Targeted Outreach	16

PDES/CWA	
Technical Assistance	21
Project Sampling Kits Provided	243
Targeted Outreach	5

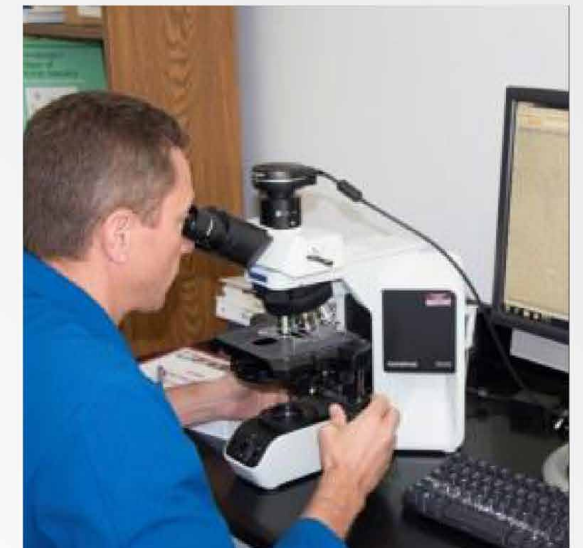
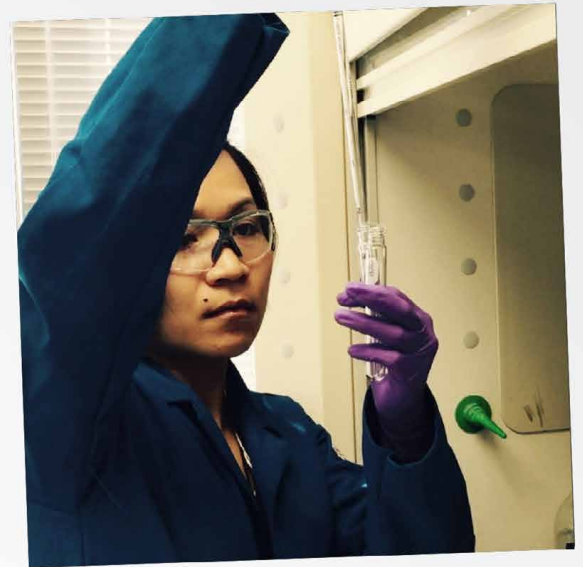
Lab-P	
Technical Assistance	23
Project Sampling Kits Provided	59
Targeted Outreach	0

Lab Accreditation Program	
Technical Assistance	123
Targeted Outreach	1
Social Media Interactions	
General	28

TOTALS	32,142
---------------	---------------

SELS Laboratory Accreditation / WQMAC/EQB Meetings

Laboratory Certification	TOTAL
Applications Received	26
Facility Inspections	61
Certificates Issued-New	10
Certificates Issued-Recertified	159
New Areas of Accreditation	2



Agency Statistics

Laboratory Certification continued

Withdrawals/Revocations	3
Appeals/Hearing/NOV	0
Feedback Received	10
Complaints Received	4
LAP Assessor Participation	9
LAP Document and Report Peer Reviews	129
TOTALS	413

Training Related

Professional Meetings and Conferences	TOTAL
Professional Meetings/Conferences	17
Water Quality Management Advisory Council	3
Environmental Quality Board Meetings	2

TOTALS	22
---------------	-----------

Professional Training Services Provided

Professional Presentations	6
Lab Tours	13
Non-Program Specific Outreach	3

TOTALS	22
---------------	-----------

SELSD Meetings

Divisional Meetings	0
Manager Meetings	4
Group Manager Meetings	13

Courses Attended

Individual Courses Attended	269
-----------------------------	-----

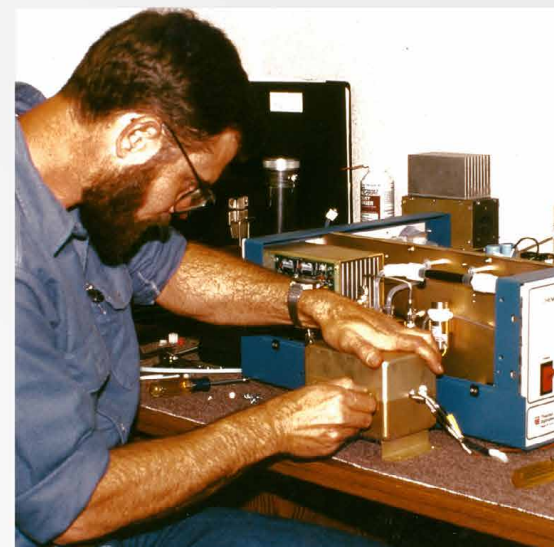
Training Hours

Total Staff Hours of Training	1,915
Organics	319
Inorganics	756
LAP	175
QS	73
ADD/DD	128
ADMINS	39
LCA-Other	110
Field	234
SDM	81

TOTALS	1,915
---------------	--------------

Hours per Training Categories

Administrative	63
Analytical	55
Customer Service	54
Ethics	192
Improvement	8
Labware	208
LAP	10



Agency Statistics

Hours per Training Categories continued

Operational	199
Other (ER, outreach, legal)	28
Personal Development	32
Policy	44
Quality System	113
Safety	106
Technical	803
TOTALS	1,915

SELS QS MSR Components

Suitability of Processes and Procedures	TOTAL
New Policies	1
Revised Policies	2
New SOPs	13
Revised SOPs	32
New WIDS	63
Revised WIDS	58
Other New Documents	200
Other Revised Documents	147
TOTALS	516

Regulatory Administration

New Programs	0
Revised Programs	0
New Rules	0
Revised Rules	1
New Accreditations/Certifications	0
Rev Accreditations/Certifications	0

Process Improvements

PIPs Opened	46
PIPs Closed	48

Assessments

Internal

Internal Opened	20
Internal Closed	0

External

External Opened	2
External Closed	1

PT Studies

PT Studies Participated in (end date)	31
---------------------------------------	----

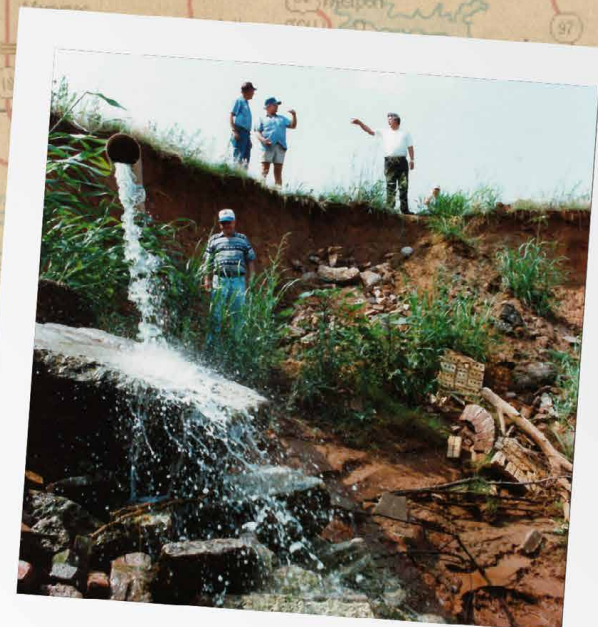
Analyte Failures

Analyte Failures	13
------------------	----

Repeat Analyte Failures

Repeat Analyte Failures	0
-------------------------	---

TOTALS	162
---------------	------------



Agency Statistics

Water Quality Division

TMDL Development

TADS	QTR 1	QTR2	QTR 3	QTR 4	TOTAL
TMDLs Started	22	0	13	0	35
TMDLs Completed	0	17	0	35	52

Data Management

Groundwater

Sites With GPS Correction	5	5	11	6	27
---------------------------	---	---	----	---	----

Enforcement Administration

Public Water Supply

Boil Advisories	3	2	1	0	6
Notices of Violation	74	32	62	103	271
Consent / Final Orders	8	5	1	2	16
Fines Paid	\$2,000	\$1,000	\$2,000	\$2,100	\$7,100
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
TOTAL number of SEPs	0	0	0	0	0

Municipal Wastewater

Notices of Violation	35	20	25	21	101
Consent / Final Orders	8	4	6	9	27
Fines Paid	\$3,054	\$28,067.90	\$23,437.50	\$11,250	\$65,809.40
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
TOTAL number of SEPs	0	0	0	0	0

Industrial Wastewater

Notices of Violation	9	3	6	14	32
Consent / Final Orders	1	0	2	1	4
Fines Paid	\$500	\$14,000	\$27,500	\$2,000	\$44,000
Supplemental Environmental Projects	\$0	\$0	\$0	\$0	\$0
TOTAL number of SEPs	0	0	0	0	0

Storm Water

Notices of Violation	2	1	2	5	10
Consent / Final Orders	0	3	3	3	9
Fines Paid	\$31,750	\$10,250	\$5,500	\$4,750	\$52,250
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)	329	446	255	233	1,263
------------------------------------	-----	-----	-----	-----	-------

Municipal Wastewater

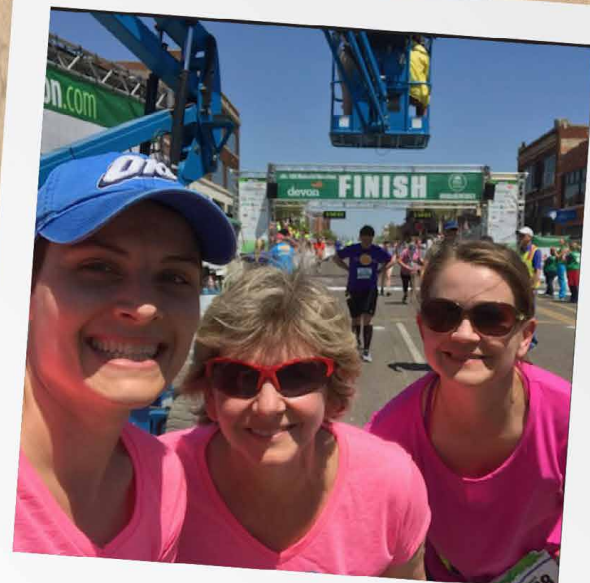
Monitoring Inspections (from ECLS)	82	82	73	78	315
Pretreatment Compliance	1	2	6	11	20
Pretreatment Audits	0	1	3	2	6
Compliance Evaluation Inspections	9	18	14	12	53
Compliance Sampling Inspections	0	0	0	1	1



Agency Statistics

Industrial Wastewater	QTR 1	QTR2	QTR 3	QTR 4	TOTAL
Monitoring Inspections (from ECLS)	101	107	78	201	487
Compliance Evaluation Inspections	8	16	13	49	86
Compliance Sampling Inspections	1	0	0	1	2
Storm Water					
Compliance/TA Inspections	49	49	34	58	190
NOT Inspections (from ECLS)	283	254	267	176	980
Active Permit Inspections (from ECLS)	71	56	62	37	226
No Exposure Inspections (from ECLS)	90	92	135	29	346
Operator Certification – New Certified Examinations					
Water Operator	233	273	184	231	921
Wastewater Operator	161	272	171	150	754
Water Laboratory Operator	49	33	38	48	168
Wastewater Laboratory Operator	30	39	31	42	142
Permit Administration – Water Quality Permitting					
Construction Applications/Permits Issued					
Public Water Supply Received	106	146	152	132	536
Public Water Supply Issued	132	124	146	139	541
Water Well Received	3	7	6	1	17
Water Well Issued	5	4	4	4	17
Municipal Wastewater Received	125	84	119	112	440
Municipal Wastewater Issued	116	71	106	105	398
Municipal Wastewater Applications/Permits Issued					
Discharge Applications Received	14	12	16	7	49
Discharge Permits Issued	19	15	9	18	61
Industrial Wastewater Applications/ Individual Permits Issued					
Applications Received	7	6	11	1	25
Permits Issued	7	8	10	9	34
Stormwater					
Construction Authorization Processed (from ECLS)	239	516	805	854	2,414
Multi-Sector Industrial Authorization Processed (from ECLS)	208	253	1138	151	1,750
Other Industrial General Permits					
Applications Received	51	13	9	28	101
Authorization Issued	6	13	65	9	93
Other Municipal General Permits					
Applications Received	4	0	0	0	4
Authorization Issued	0	0	0	0	0
Sludge Management Applications/Plans Approved					
Applications Received	0	0	3	0	3
Plans Approved	0	0	2	0	2
Total Permits Issuance > Timelines	18	12	14	16	60
Total Permit Protest Hearings	0	0	0	0	0





Annual Report

2018