

west virginia



department of environmental protection

Fiscal Year 2016-17 Annual Report

Jim Justice, Governor

Austin Caperton, Cabinet Secretary

West Virginia
Department of Environmental Protection
Annual Report
Fiscal Year 2016-17

Protecting, Restoring, and Supporting Roles
in Promoting a Healthy Environment

The West Virginia Department of Environmental Protection's mission is to promote a healthy environment. To do this, the agency must protect the environment while leaving room for a sustainable industry base. Such a task requires careful balance. Its major divisions – protecting air, land, and water – plus an office regulating the oil and gas industry, must be circumspect and fair in regulating industry, permitting extraction of natural resources and protecting the public from potential pollution hazards.

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Division of Air Quality

The Division of Air Quality (DAQ) develops and implements regulations and related programs mandated by the federal Clean Air Act (CAA) and the state Air Pollution Control Act. It works for the protection of public health and the prevention or mitigation of environmental impacts resulting from air pollutant emissions.

DAQ monitors air quality and regulates emissions of air pollutants from industrial and commercial facilities.

During FY17, DAQ accomplished:

Air Monitoring

- 1) Received \$537,105 grant from the U.S. Environmental Protection Agency (EPA), which funded all fine particulate matter (PM) related monitoring, laboratory, and data handling activities.
- 2) Collected and processed more than 2,250 PM_{2.5} (particles that are 2.5 micrometers in diameter or smaller) filter samples.
- 3) Continued to perform particulate metals lab analysis for West Virginia sites, the Washington, D.C., National Air Toxic Trends Site (NATTS), and other states' toxic monitoring sites.
- 4) Received an EPA grant of \$23,000 to support operation of an Inductively Coupled Plasma (ICP) Mass Spectrometer.
- 5) Operated 19 air monitoring sites, including two air toxic sites, two fine particle speciation sites, a multi-pollutant NCore site, and a radiation network monitor on behalf of EPA's national radiation monitoring program.
- 6) Analysis of lead in particulate matter is conducted by the DAQ laboratory for both the West Virginia and Washington, D.C. sites.

Compliance and Enforcement

- 1) Conducted 563 full compliance inspections of air pollution sources, 78 of which were major sources of air pollution and 40 were synthetic minors.
- 2) Conducted 121 partial evaluations of air pollution sources.
- 3) Reviewed 770 self-monitoring reports from air pollution sources.
- 4) Investigated 639 citizen complaints.
- 5) Inspected 70 asbestos demolition/renovation projects.

- 6) Reviewed 220 source performance tests, stack tests, relative accuracy test audits and opacity tests.
- 7) Reviewed and approved 330 stack test protocols.
- 8) Reviewed 202 Title V annual certification reports.
- 9) Issued 37 notices of violation.
- 10) Negotiated 38 consent orders to settle violations.
- 11) Collected more than \$871,040 as a result of the consent orders.

Hazardous and Solid Waste Air Program (HSWAP)

- 1) Conducted 35 compliance site inspections at hazardous waste air pollution sources.
- 2) Conducted five used and waste oil burner source inspections.
- 3) Assisted in the development/update of the 2016-17 DAQ air rules 45CSR (code of state rules)25, 45CSR18 and 45CSR34.
- 4) Submitted to EPA the required grant reports on the Resource Conservation and Recovery Act (RCRA) and the CAA 111(d)/129 programs.
- 5) Assisted the Division of Water and Waste Management on revisions to the West Virginia RCRA Hazardous Waste State Authorization Program for combustion, thermal treatment, and subparts AA, BB, and CC.
- 6) Worked on ongoing CAA 111(d)/129 plan revisions for commercial industrial solid waste incinerators for EPA approval.
- 7) Worked on rule changes to 45CSR23 for Municipal Solid Waste Landfills.
- 8) Issued two permits under 45CSR25 for Hazardous Waste Burners.

Permitting

Title V Program

- 1) Issued 71 permit revisions, including nine administrative amendments, and 50 minor and 12 significant modifications.
- 2) Issued 59 renewal permits.
- 3) Issued three initial permits.

New Source Review Program

- 1) Issued 113 Rule 13 construction/modification permits.
- 2) Issued five temporary permits.



- 3) Issued 108 administrative updates to existing permits.
- 4) Issued 189 general permit registrations.
- 5) Rendered 56 decisions on permit determinations.
- 6) Completed 13 withdrawal requests.
- 7) Held three public meetings.
- 8) Issued two revised General Permits.

Planning

- 1) In June 2010, the EPA revised the one-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS). In August 2013, the EPA designated 29 areas in 16 states, including two areas in West Virginia, as nonattainment. At that time, the EPA was not prepared to issue designations for the remainder of the country. Subsequently, three lawsuits were filed against the EPA for failure to designate all portions of the country by the CAA deadline. Under a Consent Decree entered by the Court in March 2015, EPA was required to complete the remaining area designations in accordance with a specific schedule which was set forth in the August 2015 SO₂ Data Requirements Rule (SO₂ DRR). In January 2017, DAQ submitted modeling analyses for six facilities characterizing air quality based on actual SO₂ emissions as required by the SO₂ DRR.
- 2) During the FY17, DAQ reviewed, replicated and approved air dispersion modeling to assess impacts for four facilities as part of the application process for Prevention of Significant Deterioration (PSD) permits.
- 3) DAQ collected emission inventory data for calendar year 2016 from 160 major Title V facilities, reviewed the data for quality assurance, and submitted the data to EPA. DAQ completed submittal of the data to EPA's Emissions Inventory System on June 5, 2017.
- 4) In July 2016, DAQ finalized seven legislative rules that were approved during the 2016 legislative session and submitted the rules to the EPA. This included the repeal of two legislative rules that were no longer necessary.
- 5) Seven legislative rules proposed by DAQ in 2016 were approved during the 2017 legislative session.
- 6) In June 2017, DAQ proposed six legislative rules for the 2018 legislative session.

Small Business Assistance Program (SBAP)

- 1) Provided assistance to 148 small businesses: 75 in-depth, with 39 site visits.

Division of Mining and Reclamation

The Division of Mining and Reclamation (DMR) safeguards the environment during coal mining. It ensures prompt compliance and proper reclamation of mining sites, and maintains a statewide database for mining operations.

During FY 2017, DMR accomplished:

| Application Type | Total | Affected Acres |
|--|-------|----------------|
| Surface Mining Application (SMA) Submitted | 11 | 1,956 |
| Surface Mining Permits Issued | 6 | 1,339 |
| Underground Mining Permits Issued | 7 | 155 |
| Other Mining Permits Issued | 5 | 438 |
| Quarry Permits Issued | 2 | 56 |
| Quarry Modification | 8 | -80 |
| Quarry Annual Bonding Amendments | 58 | |
| | 3 | 197 |
| Notices of Intent to Prospect | 41 | |
| Withdrawn/Terminated/Denied Applications | 150 | |
| Incidental Boundary Revisions | 184 | -969 |
| Permit Renewals | 214 | |
| Permit Revisions | 323 | |
| Permit Transfers/Merger/Ownership | 100 | |
| Operator Assignments | 41 | |
| Inactive Status | 133 | |
| Incremental Bonding | 23 | |
| NPDES Applications Approved | 607 | |
| Emergency Warning Plans | 85 | |
| Special Land Use | 0 | |
| Certification of Approval for Dam | 22 | |

| Inspection and Enforcement | Total | Affected Acres |
|-------------------------------------|--------|----------------|
| Inspections | 19,174 | |
| Notices of Violation | 670 | |
| Conferences | 249 | |
| Phase 1 Permit Releases | 7 | 427 |
| Phase 2 Permit Releases | 8 | 1,662 |
| Phase 3 Permit Releases | 62 | 4,704 |
| Prospect Releases | 56 | |
| Incremental Releases | 69 | |
| Planting Plan Releases | 30 | |
| Cessation Orders | 84 | |
| Consent Orders | 12 | |
| Complaints Investigated | 176 | |
| Coal Mining (Art.3) Permits Revoked | 0 | |
| NPDES (Art. 11) Permits Revoked | 0 | |
| NPDES Permits Released | 55 | |



Office of Explosives and Blasting

The Office of Explosives and Blasting (OEB) regulates all surface mine blasting. It administers pre-blast surveys; trains, tests and certifies all surface mine blasters; and manages the claims and arbitration process regarding blasting damage.

During FY 2017, OEB accomplished:

| | |
|---|-----|
| Pre-Blast Surveys Accepted | 695 |
| Pre-Blast Surveyors Approved | 0 |
| Pre-Blast Surveyors Renewed | 2 |
| New Damage Claims Processed | 6 |
| Complaints Received | 51 |
| Complaints Received With Alleged Damage | 17 |
| Inspections | 641 |
| Violations Issued | 25 |
| Cessation Orders Issued | 1 |
| Total Exams | |
| Total Initial Blasters | |
| Total Renewals | |
| Total Reciprocity | |

Office of Oil and Gas

The Office of Oil and Gas (OOG) monitors all actions related to the exploration, drilling, storage, and production of oil and natural gas. OOG tracks more than 62,000 active oil and gas wells, manages abandoned well plugging and reclamation programs, and ensures surface/ground water protection.

During FY 2017, OOG accomplished:

- 1) Reviewed, processed, and issued 658 well work permits; 386 of these were horizontal wells and 238 were plugging permits.
- 2) Conducted 4,558 site inspections.
- 3) Processed 105 complaints.
- 4) Responded to 91 emergencies/spills.
- 5) Issued 89 notices of violations.
- 6) Plugged and/or reclaimed six abandoned wells/sites.
- 7) Expended approximately \$356,328.93 from the federal Oil Spill Liability Trust Fund.
- 8) Conducted nine abandoned well inspections.

- 9) Conducted 368 underground injection control (UIC) inspections.
- 10) Reviewed and approved 16 UIC mechanical integrity tests. Seven of these were witnessed by OOG staff.

OOG has implemented the Risk Based Data Management System (RBDMS). This system, which is currently used as a regulatory tool for 23 oil and gas producing states, replaced the existing database and allowed for new features.

The Shallow Gas Well Review Board hears and rules on objections from coal owners, lessees and operators, regarding the location of proposed shallow gas well drilling sites. It generally administers the requirements of West Virginia Code Chapter 22C, Article 8. It held no hearings.

The Coalbed Methane Review Board hears and rules on actions associated with the drilling and production of coalbed methane wells. It generally administers the requirements of West Virginia Code Chapter 22, Article 21. It held no hearings.

Division of Water and Waste Management

The Division of Water and Waste Management (DWWM) strives to meet its mission through implementation of programs controlling surface and groundwater pollution caused by industrial and municipal discharges, as well as oversight of construction, operation, and closure of hazardous, solid waste, aboveground and underground storage tank sites.

In addition, the division works to protect, restore, and enhance West Virginia's watersheds through comprehensive watershed assessments, groundwater monitoring, wetlands preservation, inspection and enforcement of hazardous and solid waste disposal, and proper operation of storage tanks.

During FY17, DWWM accomplished:

Environmental Enforcement

Dam Safety

- 1) Reviewed 12 applications or proposals for dam construction, modification, or removal; reviewed 90 monitoring and emergency action plans; and conducted 190 inspections of all types. Also, oversaw the removal of six dams and remediation to meet dam safety standards on three others.



Hazardous Waste

- 2) Completed 571 inspections related to hazardous waste facilities; responded to 18 emergency response situations; investigated 30 citizen complaints related to hazardous materials.

Underground Storage Tanks

- 3) Conducted 25 closure inspections, 15 installation inspections, and 537 compliance monitoring inspections; investigated 18 citizen complaints.

Water and Waste

- 4) Conducted 2,937 inspections of solid waste and water pollution control facilities; initiated 73 open dump cleanups; and responded to 1,389 citizen complaints

Aboveground Storage Tanks

- 5) Conducted 1,792 compliance monitoring inspections and investigated 21 citizen complaints.

Watershed Improvement Branch

- 1) Awarded 48 grants, totaling \$4.1 million to partner agencies, local governments, watershed associations, nonprofit organizations, and universities to implement watershed-related outreach, planning, education, monitoring, and water quality improvement projects. The funding is provided by the EPA through Section 319 Nonpoint Source and Chesapeake Bay Programs, and DEP.
- 2) Awarded 20 grants, totaling \$97,206 through the West Virginia Stream Partners Program.
- 3) Committed to five In Lieu Fee projects, which, when completed, will provide approximately \$3.5 million in affected mitigation to replace, protect, and restore streams and wetlands.
- 4) Through the West Virginia Save Our Streams (SOS) Program, coordinated 11 volunteer monitoring workshops for 210 people, nine outdoor classrooms that educated more than 1,200 people, and three stream cleanups. Through Project WET (Water Education for Teachers), five educator workshops were held, certifying 121 educators. One Wonders of Wetlands workshop was held, certifying 21 teachers. 14 Water Festivals were also conducted, reaching more than 2,700 students across the state.

Permitting

- 1) Issued 13 major and 80 minor individual permits, 74 permit modifications to industrial and municipal facilities, 919 (779 general permit registrations and 614 stormwater), and 461 modifications (310 general registration and 151 stormwater) for a variety of facilities and activities. There were 178 (127 general permit, six individuals and 45 stormwater) permits transferred during FY16.

Groundwater/UIC Program

- 2) Issued 32 underground injection control permits, two modifications, transferred two permits, and inspected 214 underground injection control facilities. Reviewed and approved 400 Groundwater Protection Plans.

Hazardous Waste Operating Permits

- 3) Received and issued two Hazardous Waste Resource Conservation Recovery Act permits; received and reviewed two permit modifications.

Solid Waste

- 4) Issued 14 municipal solid waste landfill permits; issued 594 minor permit modifications; and issued 21 Class D Construction/Demolition Landfill registrations.

Clean Water State Revolving Fund

- 1) Disbursed more than \$64.9 million to communities for municipal sewer projects under construction; disbursed \$941,367 to nonpoint source pollution control projects; closed new loans on an additional seven municipal construction projects, worth \$40.5 million; issued 15 preliminary binding commitment letters and/or loan agreements for additional projects, worth \$79.5 million.
- 2) Approved 12 sets of plans and specifications; reviewed 22 Infrastructure and Jobs Development Council applications; and funded 38 new onsite systems through the Onsite Systems Loan Program.

Quality Assurance

- 3) Received applications from 113 laboratories for certification; performed onsite inspections at 97 laboratories; and recertified/certified 110 laboratories.

Watershed Assessment Branch

- 1) Total Maximum Daily Load Development: Collected 2,572* water quality samples from 421 sites on 301



streams, providing 24,277 individual parameter results. These samples are primarily from the Twelvepole Creek, Big Sandy River, and Lower Ohio River watersheds where pre-TMDL monitoring was focused for most of 2017. Monitoring wrapped up in the Upper Guyandotte River Watershed, which had been the focus in 2016. DEP received EPA approval for TMDLs developed for impaired streams in the Meadow River, Warm Spring Run, and Rockymarsh Run watersheds. TMDL development for the Hughes River Watershed and the Monongahela River is on schedule and should be finalized in mid-2018. TMDL development for the Upper Guyandotte River Watershed is underway, and is just getting started for the Twelvepole Creek, Big Sandy River, and Lower Ohio River watersheds.

- 2) Watershed Assessment/Long-term Monitoring Sites: collected water quality, habitat, and biological information from 160 targeted sites (including 10 done in duplicate for QA) - 58 sites considered Long-term Monitoring Sites and 102 other targeted samples.
- 3) Ambient Water Quality Monitoring Network: collected bi-monthly water quality information for more than 30 parameters from 26 sites on the State's major streams and rivers. Six sites in the Monongahela basin were sampled monthly during low-flow season.
- 4) Probabilistic: Monitoring was conducted in the spring and early summer of 2017, which was the last year of the 4th 5-year cycle of Probabilistic Monitoring, which was initiated in 1997.
- 5) Water quality continuous data loggers were deployed at 80 sites on 62 streams.
- 6) Fish community data was collected at more than 100 sites, primarily in the Twelvepole Creek, Big Sandy River, and Lower Ohio River watersheds. Fish community data was also collected from Abrams Creek Watershed to assess AML-related restoration projects. Thirty-four samples were collected outside of TMDL development areas to enhance data available for regional fish IBI development.
- 7) Benthic Macroinvertebrate Data: 513 samples were collected from 368 streams in calendar year 2016.
- 8) Lakes: 2016: Monitored 19 sites at 11 lakes and collected 78 samples, with 2,734 individual parameter

results. Field parameters were measured along depth profile at each site visit. 2017: Selected and monitored seven lakes, with approximately 11 sampling stations targeted. Data from the 2017 effort has not been entered into database, therefore, specific numbers are not yet available. Also, collected bathymetric data and outfall flow at several lakes, in order to calculate residence times that are needed to determine if lakes nutrient criteria apply.

** This number, as with the other numbers in this section, is derived from WABBASE, our primary database. Some data from FY 2017 may not have been entered at the time these values were queried from the database for this report.*

Water Quality Standards

- 1) Implemented revised selenium aquatic life criteria as detailed in the document entitled West Virginia Selenium Chronic Aquatic Life Criteria Implementation 2/6/17 rev.2. The new criteria are now being utilized in the NPDES permitting process
- 2) Worked cooperatively with EPA and DEP's Office of Special Reclamation to obtain EPA variance approvals for Martin Creek and its tributaries and Maple Run, Left Fork Sandy Creek and their tributaries as detailed in 47CSR2 sections 7.2.d.8.2 and 7.2.d.11.1 respectively. These variances will allow for use of alternative restoration measures, which will result in significant improvements to existing conditions in these waters during the variance period.
- 3) Held quarterly public meetings to obtain input from citizens regarding triennial review suggestions and feedback regarding potential future rule revisions.
- 4) Participated on Steering Committee for national ACWA/EPA Water Quality Standards Variance Workshop, to be held in Washington, D.C. in November 2017.
- 5) Deployed continuous Dissolved Oxygen, pH and light monitoring sensors in the Greenbrier River to aid in algae impairment monitoring.
- 6) Expanded the use of the Application Xtender document management system for electronic filing and retrieval of all types of program documentation streamlining these processes.
- 7) Continued to monitor filamentous algae and nutrients in Greenbrier and Cacapon rivers.



401 Certification Program

- 1) Reviewed 143 Nationwide 404 permits, of which eight were for Division of Highways' projects.
- 2) Issued 14 individual 401 Water Quality Certifications, one denial, and two waivers in accordance with US Army Corps of Engineer's Section 404 of the Clean Water Act
- 3) Issued five individual 401 Water Quality Certifications for hydroelectric power projects, in accordance with FERC licensing requirements.
- 4) Reviewed and approved 28 Nationwide 27 Permit Stream Restoration Plans.
- 5) Reviewed and approved 11 Nationwide 39 Permits for Commercial and Institutional Developments.
- 6) Reviewed and approved 13 Corps-issued Letters of Permission.
- 7) Ongoing coordination with FERC on one major proposed pipeline project.
- 8) Reviewed various mitigation bank documents, including prospectus, instrument, mitigation plans, monitoring plans, modifications, etc.
- 9) Worked in conjunction with US Army Corps of Engineers and EPA on four noncompliance projects.
- 10) Issued one state waters permit and waived one.
- 11) Issued one Natural Streams Preservation Act Permit.
- 12) Reviewed and approved 25 West Virginia Conservation Agency Emergency Watershed Protection Projects.
- 13) Reissued State 401 Water Quality Certification for nationwide permits for West Virginia.

Water Use Section

- 1) Water Management Plans for Horizontal Well Drilling: In 2016, the Water Use Section reviewed and approved 223 Unique WMP's, which included 53 individual wells, along with 81 Water Management Plan modifications, relating to the withdrawal of surface and groundwater used in horizontal well drilling operations. Additionally, in 2016, the Water Use Section was also responsible

for the development and implementation of a new DEP Electronic Submission System form to allow the oil and gas industry to report their total water usage online. This new system will ultimately result in the collection and reporting of a more consistent and accurate dataset.

2) Large Quantity Users (LQU) Survey:

The West Virginia Water Resources Protection and Management Act identified the need for the protection and conservation of our state's water resources. It recognizes that a comprehensive assessment of the availability and use of our state's water will benefit the citizens of West Virginia: WV Code §22-26. Therefore, the Water Use Section has continued to improve the system utilized to complete the Large Quantity Users survey, and the Database that houses the information has been revamped in order to produce more useful reports. During 2015, we have abandoned the out-of-date Paper LQU Survey and utilized the DEP Electronic Submission System to allow the LQU's report their total water usage and other required information online. This system has proved to be more efficient, easier to use and has been well received by the LQU community.

| YEAR | FACILITY TYPE DESC | Total Gallons |
|------|-------------------------|-----------------|
| 2016 | Agriculture/Aquaculture | 6,751,740,751 |
| 2016 | Chemical | 141,641,497,559 |
| 2016 | Industrial | 16,784,694,726 |
| 2016 | Mining | 27,578,067,426 |
| 2016 | Oil & Gas / Frack | 1,922,271,057 |
| 2016 | Petroleum | 475,317,162 |
| 2016 | Public water supply | 66,485,539,602 |
| 2016 | Recreation | 1,385,776,760 |
| 2016 | Timber | 2,252,279,297 |
| 2016 | Thermoelectric (Coal) | 473,483,374,238 |
| 2016 | Totals | 738,760,558,578 |

- 3) Geophysical Groundwater Well Logging: WS17 logs were logged for a project total of 57 (year three of a five-year study)



Restoring the Environment

Office of Abandoned Mine Lands and Reclamation

The Office of Abandoned Mine Lands and Reclamation (AML) mends damage that occurred from mining operations prior to Aug. 3, 1977. Abandoned mines impose social and economic costs to residents and impair environmental quality. AML restores land and improves water quality at abandoned or forfeited sites using funding from federal coal taxes.

During FY 2017, AML accomplished:

Planning:

| | |
|---------------------------------|----------------------------------|
| AMD Water Treatment | 214,817 gallons on nine projects |
| Clogged Steams | 0.21 miles |
| Dangerous Highwalls | 10,520 feet |
| Dangerous Impoundments/Portals | 114 |
| Dangerous Poles and Embankments | 13 acres |
| Hazardous/Polluted Water Bodies | 363 |
| Subsidence | 3.75 acres |
| Dangerous Slides | 17 acres |
| Vertical Openings | eight |
| Hazardous Equipment/Facilities | six |
| Industrial/Residential Waste | 4.25 |
| Underground Mine Fires | five |
| Bench | 2.5 acres |

- 1) Planning sent 20 Environmental Assessments to OSMRE (Office of Surface Mining Reclamation and Enforcement) for Authorization to Proceed with projects.
- 2) There were 134 Problem Areas (PADs) submitted, completed and incorporated into the National Enhanced Abandoned Mine Lands Inventory System (eAMLIS).

Design:

- 1) The North completed 14 project designs in FY17.
- 2) The South completed designs for 10 In-House projects and two Contract (consulting firm) projects, for a total of 12 projects.

Waterlines:

- 1) Completed: Three projects, serving 222 customers.
- 2) Awarded: Four projects, serving 314 customers.

Realty:

- 1) Completed Exploratory Right of Entry on nine regular grant projects.

- 2) Completed Construction Right of Entry on 15 regular grant projects.
- 3) Completed Exploratory Right of Entry on nine emergency projects.
- 4) Completed Construction Right of Entry on 26 emergency projects.
- 5) Completed Construction Right of Entry on seven maintenance projects.

Emergency:

- 1) Investigated 286 complaints with 33 Emergency Abatement contracts, totaling \$9.6 million.
- 2) West Virginia Board of Risk and Insurance Management (BRIM) investigated 26 subsidence insurance claims.

Division of Land Restoration

The Division of Land Restoration (DLR) cleans up sites contaminated by past industrial activity and restores land once disturbed by natural resource extraction.

Office of Special Reclamation

DLR's Office of Special Reclamation (OSR) eliminates abandoned mine hazards due to post-1977 mining operations. This may entail anything from minor to major land restoration and temporary to perpetual water treatment. Its reclamation funds come from coal taxes, civil penalties and bond forfeitures.

During FY17, OSR accomplished:

- 1) Provided quarterly progress reports to the Special Reclamation Fund Advisory Council, which met four times.
- 2) Monitored water quality on 43 permits for acid mine drainage (AMD) determination and design purposes.
- 3) Performed 6,250 land and water inspections, and 534 construction inspections.
- 4) Issued six reclamation purchase orders, totaling approximately \$9.8 million.
- 5) Had two permits in the retrofit reclamation process.
- 6) Completed seven retrofit projects that will allow OSR to meet more stringent national pollutant discharge elimination system (NPDES) limits.
- 7) Completed reclamation on 16 permits, and started reclamation on 10 permits.



- 8) Reclaimed approximately 300 acres.
- 9) Constructed one water treatment system (began construction on three permits).
- 10) Completed design of 10 projects using outside consulting firms.
- 11) Obtained a variance to water quality standards in Martin Creek of Muddy Creek through the legislative process in FY15-FY16. This provides OSR the opportunity to treat in-stream under an NPDES permit instead of at source, which will result in the restoration of miles of Muddy Creek. The variance was approved by the EPA in June 2017.
- 12) Began construction of the T&T Fuels Treatment Facility, which is located along Muddy Creek. This facility will also contribute toward the restoration efforts in Muddy Creek.
- 13) Entered into a cost-share partnership with Southwest Energy (SWN) to complete construction of a pipeline. This pipeline will transport mine drainage from various bond forfeiture sites and abandoned mine lands throughout Martin Creek to the T&T Fuels Treatment Facility. This will contribute to OSR's restoration efforts in Muddy Creek. SWN has agreed to pay up to \$2.5 million for construction of the pipeline and contribute \$375 thousand toward operation and maintenance for the next five years.
- 14) Continued the partnership with the Land Stewardship Corp., for the management of design and construction of six OSR projects.
- 15) Completed work on off-grid solar project using Department of Energy grant funds for alternate and/or more efficient treatment methods.

Office of Environmental Remediation

DLR's Office of Environmental Remediation (OER) restores contaminated sites using the best available science. It cleans up leaking underground storage tanks, oversees voluntary remediation, and administers brownfields site remediation and Superfund sites.

During FY 2017, OER accomplished:

Voluntary Remediation Program

- 1) Accepted 19 new applications for properties to participate in the Voluntary Remediation Program and

issued 14 Certificates of Completion for 297.05 remediated acres of land ready for reuse. Cumulatively, 164 Certificates of Completion have been issued for 1,684.63 remediated acres of land.

Leaking Underground Storage Tank Program

- 2) Provided oversight of the investigation and cleanup of 51 new leaking underground storage tank sites, and completed investigations. Also, closed the active files on 55 leaking underground storage tank sites.
- 3) Performed 11 remedial actions and 36 investigations with federal funds at leaking underground storage tank sites, for which the state has the lead. This resulted in eight cleanups completed.

CERCLA Program

- 4) Continued working with EPA Region 3 on Superfund actions at 11 National Priority List CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) (Superfund sites, including the Sharon Steel/Fairmont Coke and Big John's Salvage site near Fairmont, the Fike-Artel Chemical site in Nitro, the Ravenswood PCE site, the Olin-Hanlin Chemical site near New Martinsville, Allegany Ballistics Laboratory in Mineral County, Morgantown Ordinance Works near Morgantown, WV Ordinance Works near Point Pleasant, North 25th Street in Clarksburg, Pantasote near Point Pleasant, and Vienna PCE in Vienna.
- 5) Supported the EPA On-Site Coordinator Program by providing ongoing assistance with remedial activities for four sites in West Virginia, including the Monsanto Kanawha River Project.
- 6) Conducted site assessment activities at eight priority hazardous substance sites. This includes site assessments for Moundsville Zinc, Anmoore Zinc, Kanawha Dunbar Glass, St. Albans Trailer Park, and Ware Lumber and Fence, as well as site reassessments for New Cumberland Landfill, Dalzell Viking Glass Company, and Smith Creek Landfill. OER continues to work from an ever-growing workshare list with EPA that includes 40 sites to be assessed.

RCRA Corrective Action Program

- 7) Worked with EPA Region 3 on the oversight of 42 sites



under the Resource Conservation and Recovery Act (RCRA) Corrective Action Program; OER is now the lead agency for 20 of the sites.

- 8) Finalized one remedy selection and published another remedy selection for public comment.
- 9) Advanced towards “construction complete” status for two sites. These are expected to be completed in FY18. The RCRA CA Program achieved one Groundwater Environmental Indicator in 2017, leaving only one to finalize for 100 percent complete by 2020.

REAP-The Next Generation

DLR’s Rehabilitation Environmental Action Plan – The Next Generation (REAP) works to make West Virginia the cleanest state in the nation. Pollution Prevention and Open Dump (PPOD), West Virginia Make It Shine (WVMIS), Adopt-A-Highway/Adopt-A-Spot (AAH/AAS), Clean Streams Initiative, Statewide Recycling and Operation Wildflower are the state’s cleanup and beautification pro-

grams. They are all housed within DEP, providing citizens with a central location to learn about and participate in volunteer cleanup initiatives.

Federal Facilities Program

- 10) Collaborated with the Department of Defense in the remedial activities for Formerly Used Defense Sites (FUDS) and the Military Munitions Response Program (MMRP). OER works with the Navy, Army Corps of Engineers, Army National Guard, and U.S. Army through a Cooperative Agreement to remediate sites. These sites include: West Virginia Ordnance Works, Dolly Sods Maneuver Area, Allegany Ballistics Laboratory, Yeager Airfield, Martinsburg Air National Guard, and Camp Dawson KD Range remedial activity.

Landfill Closure Assistance Program

- 11) Achieved the following statuses for the 32 landfills with submitted applications for closure assistance: 25 landfills in post-closure status; two landfills under clo-

During FY 2017, REAP accomplished:

| | PPOD | AAH/AAS | WVMIS | Operation Wildflower | Recycling | REAP Total |
|--------------------------------|---------|---------|-------|----------------------|-----------|----------------|
| Dumps Eradicated | 1,262 | 11 | | | 1,273 | |
| Acres Reclaimed | 1,201 | | 0 | | | 1,201 |
| Miles of Roadway Cleaned | | 2,749 | 252 | | | 3,001 |
| Miles of Stream Cleaned | 132 | | 68 | | | 200 |
| Acres of Park Cleaned | | | 167 | | | 167 |
| Miles of Trail Cleaned | | | 25 | | | 25 |
| Active AAH Groups | | 687 | | | | 687 |
| Operation Wildflower Plots | | | | 112 | | 112 |
| Tons of Litter/Waste Collected | 5,275 | 221 | 79 | | | 5,575 |
| Tons of Scrap Recycled | 45 | | 0 | | | 45 |
| Appliances Recycled | 7 | | 58 | | | 65 |
| Waste Tires Collected | 244,050 | | 986 | | | 245,036 |
| Tons of Plastic Recycled | | 0.70 | | | | 1 |
| Tons of Glass Recycled | | 0.34 | | | | 0 |
| Tons of Aluminum Recycled | | 0.67 | 0.33 | | | 1 |
| Tons of Paper Recycled | | | | | 145 | 145 |
| Volunteers Participating | 1,251 | 9,299 | 6,889 | | | 17,439 |
| Recycling Grants Awarded | | | | | 35 | \$2,200,000.00 |
| CED Grants Awarded | | | | | 23 | \$177,090.46 |
| Litter Control Grants Awarded | | | | | 28 | \$71,676.79 |
| Recycling Bin Loan Program | | | | | 0 | 0 |



sure construction; and five landfills in various phases of closure design. Post-closure care activities consist of monitoring and maintaining the waste containment systems, and monitoring groundwater to ensure that waste is not escaping and polluting the surrounding environment. The required post-closure care period is 30 years from site closure.

- 12) Completed two synthetic caps at the Marion County Landfill and the South Charleston Landfill.
- 13) Continued design work for the Kingwood Landfill and Elkins Landfill.

- 14) Issued the closure construction contract for Clarksburg Landfill for solicitation.

Long-Term Monitoring of Institutional Controls

- 15) Received and processed 1,044 notifications of excavations from WV811 to provide protections from uncontrolled exposures at properties with established environmental covenants under the Voluntary Remediation, CERCLA, and RCRA Corrective Action Programs.

Supporting Offices

Office of Environmental Advocate

The Office of Environmental Advocate (OEA) assists the public in obtaining agency information and technical data, encourages citizen participation during public comment periods, and works closely with DEP offices to develop informational workshops and public forums to address state environmental concerns.

During FY 17, OEA accomplished:

- 1) Participated with government and non-government stakeholder-based workgroups to address state and regional environmental concerns.
- 2) Participated in a multi-state natural gas pipeline coordination process.
- 3) Delivered DEP presentations to civic, environmental organizations and community groups, and the West Virginia Youth Conservation Camp.
- 4) Participated in statewide multi-agency flood planning meetings. Hosted multiple state and federal partners in natural disaster resiliency planning meetings.
- 5) Expanded participation in the contested case hearings before the Surface Mine Board and Environmental Quality Board.
- 6) Expanded assistance to citizens and environmental groups by providing technical assistance and clarification of DEP regulations and policies.
- 7) Coordinated information gathering during site visits for citizens to coal mine operations with Article 3 new

permit and existing permit renewal applications.

- 8) Organized and facilitated meetings between the Cabinet Secretary and concerned citizens, regarding water quality management and protection, air quality, and certification data submitted for regulatory compliance.
- 9) Organized and directed public outreach and environmental education efforts.
- 10) Participated on the DEP Pipeline Team in coordinating permitting of large natural gas pipeline projects.
- 11) Coordinated with citizen environmental groups, regarding gas pipeline infrastructure siting and permitting.
- 12) Assisted in more than 350 inquiries to the Office of Environmental Advocate.

Small Business Ombudsman

The Small Business Ombudsman (SBO) assists, educates and promotes the small business community in environmental compliance.

During FY17, the Economic Development Director and Ombudsman accomplished:

- 1) Assisted approximately 200 businesses, (including mom-and-pops to major multinationals, and organizations on permits and enforcement issues including air, oil and gas, groundwater, storm water, industrial



wastewater, hazardous and solid waste, climate change, SPCCs, EPCRA/CERCLA, aboveground and underground storage tanks, radiation, wetlands, voluntary remediation, Brownfields, and numerous other topics.

- 2) Participated, assisted, and worked with a variety of businesses and organizations, many specializing in Economic Development within the state, including: the West Virginia Department of Commerce, Development Office (domestic and international), the WV Small Business Development Centers, West Virginia Economic Development Authority, US Environmental Protection Agency, US Small Business Administration, Marshall University, West Virginia University, West Virginia Manufacturing Extension Partnership, Boy Scouts, Technology Park, US Geological Survey, and many other entities.
- 3) Gave numerous talks and speeches, regarding environmental issues around the state and nation to a variety of groups. Many of these were aimed at enhancing the knowledge and assisting businesses of all sizes with compliance in state and federal laws. This includes: West Virginia University, West Virginia Manufacturing Extension Partnership, the international meeting of the Society of Toxicology, and many others.
- 4) Served on the Public Water System Supply Study Commission, and chaired a working group, as well as the Chemical Release Prevention Program Roadmap Planning Committee.

Public Information Office

The Public Information Office (PIO) provides the public with access to public records, environmental information and educational resources. This includes writing and issuing news releases, coordinating public outreach events, acting as the agency point-of-contact for the media, producing educational materials in traditional print format and through multimedia projects, and facilitating responses to Freedom of Information Act requests.

During FY17, PIO accomplished:

- 1) Composed and published approximately 59 news releases regarding agency action or involvement. Conducted 16 public hearings that were held in various locations across the state.

- 2) Hot button issues addressed by the agency were: Mountain Valley Pipeline- WVDEP held public hearings for the pipeline in Upshur and Pocahontas Counties; Atlantic Coast Pipeline- WVDEP held public hearings for the pipeline in Webster, Summers, and Harrison Counties; Wendell Stone Concrete Batch Plant-held two public meetings in Morgantown for DAQ and DWWM permits.
- 3) Processed and tracked 1,488 FOIAs since Jan. 1, 2017.
- 4) Handled the Contact Us requests generated from the website; on average, there were about 20 requests a week. Inquiries ranged in topics from requesting information about agency documents and actions to reporting environmental violations.
- 5) Aired Environment Matters, the agency's TV program that profiles environmental happenings in the state. EM can be viewed on West Virginia Public Broadcasting and the WV Library Channel. This expanded DEP's viewing audience; we are seen in West Virginia, as well as parts of the surrounding states.
- 6) DEP's YouTube channel has opened DEP up to an international viewing audience. 17% of our audience came from outside the United States, with the top countries being Canada, the United Kingdom, Australia and India. For the FY17, YouTube video views are up 53 percent. View time is up 33% and subscribers are up 33 percent.
- 8) Increased DEP social media presence by gaining 367 Twitter followers.
- 9) Gained 471 followers on the five program-specific Facebook pages.

On both platforms (Twitter, Facebook) we continue to share news and facts about agency programs, as well as upcoming funding, educational and volunteer opportunities.

Business and Technology Office

The Business and Technology Office provides financial, personnel, procurement, information technology, and property management services to all of DEP's program offices.

During FY17, BTO accomplished:

- 1) Saved the agency \$70,000 by closing the Teays Valley and Welch Field Offices.



- 2) Continued the agency's investment strategy, earning \$16,979,884. This is an increase over last year by \$3,259,426.
- 3) Converted 10,000 lightbulbs in DEP Headquarters from florescent to LED bulbs, saving the agency \$42,000 in utility costs and 540,000 kWh in energy consumption.]
- 4) Saved the agency \$352,653.35 by reducing DEP's vehicle fleet by 35 vehicles.
- 5) Implemented central pool vehicle system in seven DEP offices around the state, saving \$17,588 the first month.
- 6) Saved DEP \$25,000 in bottled water purchases by implementing water bottle filling stations.
- 7) Reduced security guard cost by \$47,415.84.
- 8) Re-initiated recycling program for the agency (aluminum, plastics).
- 9) Included statewide contract tire purchases in the repair authorization system to ensure that routine tire purchases are made within the statewide contract guidelines.
- 10) Secured Record Retention policy approvals for seven divisions and received Blanked Destruction Approvals for five divisions/offices.
- 11) Implemented electronic records agency wide electronically moving 1.4 million documents to the enterprise document management system.
- 12) Received zero findings in the AML Single Audit and zero findings in the State Revolving Fund Federal and Financial Audits.
- 13) Saved the agency more than \$4,000 by Implementing a new WEX payment process.
- 14) Received and processed 123 staffing requests, 1240 transactions (including 76 inspector Pay Progression transactions) and received and reviewed 44 Position Descriptions forwarded to DOP.
- 15) Enhanced AML/SPREC system functionality to enter remote inspection reports using iPads without internet connection.
- 16) Expanded the Electronic Submittal System (ESS) implementing new form building tools, which sped up the rollout of ESS to the Division of Air Quality.
- 17) Submitted CHROMEER compliance application to the EPA.
- 18) Completed EPA Phase 1 of the E-Reporting Rule.
- 19) Moved forward with SAP Data Warehouse project, implementing data services, automated jobs, and rebuilt and scaled servers.
- 20) Completed DWWM Large Quantity User Project.
- 21) Closed 412 IT Bugzilla Bugs in FY17.
- 22) Completed 1,775 Mining Laptop Synchronization requests.
- 23) Initiated a program for using drones, survey grade GPS, and advanced photogrammetry software to reduce costs of acquiring high quality GIS data and successfully demonstrated the capability to effectively deliver high resolution data products for reclamation sites.
- 27) Began initiative to make the next generation of desktop and web-based GIS technology available to DEP personnel, including software changes and training for agency staff.

Office of Legal Services

The Office of Legal Services (OLS) represents the agency in permitting and enforcement actions before administrative boards, circuit courts and appellate courts, and provides counsel to DEP offices on regulatory and legislative matters. OLS works with all divisions and offices in the department to assist with the implementation of regulatory programs.

During FY17, OLS accomplished:

- 1) In accordance with Judge McGraw's ruling in Bailey et al. v. WVDEP, the Division of Mining and Reclamation issued a water replacement order to Eastern Associated and to ERP, who assumed the Eastern permit at issue, in Wyoming County. ERP appealed that order to the Surface Mine Board, which upheld the WVDEP's order. After agreeing to stay the administrative appeal, ERP petitioned the West Virginia Supreme Court of Appeals for a writ of prohibition. ERP upheld the WVDEP's original determination that operations related to the permit were not at fault for alleged groundwater contamination. The Court held, "A finding by the West Virginia Department of Environmental Protection of contamination, diminution, or interruption to an owner's water supply is a



prerequisite to the issuance of any water replacement relief under the West Virginia Surface Coal Mining and Reclamation Act.”

- 2) Successfully defended the Division of Air Quality’s permit for a new methanol plant in South Charleston. In *People Concerned About Chemical Safety v. WVDEP*, the Air Quality Board turned aside numerous challenges to the permit for U.S. Methanol, ruling that the DAQ does not have the authority to reject a permit application based on ethereal allegations related to safety or regionwide emergency or resource-use planning.
- 3) The Environmental Quality Board and the Circuit Court of Kanawha County upheld the WVDEP’s issuance of a construction stormwater permit against a challenge by a third-party property developer. The third-party developer alleged that the agency failed to issue the permit to the correct entity and, later, alleged

that the agency had broad duties to inform non-permittees of the permitting action. Both the EQB and circuit court disagreed.

- 4) *WVDEP v. Superior Steam Cleaning & Sand Blasting, Inc.*, received a favorable ruling in the Circuit Court of Raleigh County granting \$120,769 for various violations at a small industrial site and failing to bring site into compliance.
- 5) *WVDEP v. Paco Land, Inc.*, entered into a settlement agreement awarding WVDEP \$17,500 in civil penalties for violations from a sewage treatment facility.
- 6) *WVDEP v. Collier*, received favorable ruling in the Circuit Court of Logan County for underground storage violations in the amount of \$3,700, plus interest, and \$10,000 if tanks are not removed in a timely manner.
- 7) *WVDEP v. Michael Blankenship*, received favorable ruling in the Circuit Court of Wyoming County in the amount of 5,000 for underground storage violations.



Boards and Commissions

Air Quality Board

The Air Quality Board (AQB) is a quasi-judicial body responsible for hearing appeals regarding the issuance or denial of permits, permit conditions, or enforcement decisions. The actions in question were rendered by the Division of Air Quality. Citizens and the regulated community can file appeals with the board.

Board Members

J. Michael Koon, chairman
R. Thomas Hansen, Ph.D., vice chairman
Grant Bishop, Department of Agriculture
Jon Blair Hunter
Walter M. Ivey, P.E., Bureau for Public Health
Stanley B. Mills
Robert C. Orndorff, Jr.

During FY17, AQB accomplished:

- 1) Filed three appeals; entered two orders.
- 2) Met twice for administrative matters and deliberations.
- 3) Downloaded notices of appeal, certified records and orders to the board's website.

Environmental Quality Board

The Environmental Quality Board (EQB) is a quasi-judicial body responsible for hearing appeals regarding the issuance or denial of permits, permit conditions, or enforcement decisions. The actions in question were rendered by the Division of Water and Waste Management.

Citizens and the regulated community can file appeals with the board.

Board Members

Edward M. Snyder, Ph.D., chairman
B. Mitchel Blake, Jr., Ph.D., vice chairman
William H. Gillespie
Charles C. Somerville, Ph.D.

During FY17, EQB accomplished:

- 1) Filed 15 appeals; filed and entered seven orders.
- 2) Held eight appeal hearings and two administrative meetings, and met four times for deliberations.
- 3) Downloaded notices of appeal, certified records, and orders to the board's website.

Oil and Gas Conservation Commission

The OGCC serves as technical advisers on oil and gas issues to the chief of the OOG, to the DEP, and to other state agencies having responsibility to the oil and gas industry.

Mission points of the OGCC

- Foster, encourage, and promote exploration for and development, production, utilization, and conservation of oil and gas resources;
- Prohibit waste of oil and gas resources and unnecessary surface loss of oil and gas and their constituents;
- Encourage the maximum recovery of oil and gas; and
- Safeguard, protect, and enforce the correlative rights of operators and royalty owners in a pool of oil or gas to the end that each such operator and royalty owner may obtain his or her equitable share of production from such pool of oil and gas.

The Oil and Gas Conservation Commission (OGCC) regulates the drilling of deep oil and gas wells in the state. The OGCC approves drilling permits and conducts hearings on matters relating to the exploration for or the production of oil and gas from deep wells. Hearings are held to determine the optimum spacing of wells, as well as to pool the interests of royalty owners and operators of a drilling unit. Additionally, the OGCC conducts hearings on matters using lands for the secondary recovery of oil and/or natural gas.

Commission Members:

Barry K. Lay, chairman and commissioner;
Anthony Gum, member
Robert Radabaugh, member
Austin Caperton, ex-officio
James Martin, ex-officio

During FY 17, OGCC accomplished:

- 1) Approved 28 deep well approvals.
- 2) Conducted 8 administrative hearings.
- 3) Collected \$210,431 in leased acreage taxes.

The OGCC serves as technical advisers on oil and gas issues to the chief of the OOG, to the DEP, and to other state agencies having responsibility to the oil and gas industry.



Surface Mine Board

The Surface Mine Board (SMB) conducts hearings on appeals presented to the board by any party that believes it is aggrieved by a decision of the secretary of the Department of Environmental Protection. Decisions appealed include permits issued, permit applications denied, notices of violation and failure to issue notices of violation for alleged violations of law or regulations.

Board members

James Smith, chairman, engineering
Mark Schuerger, coal industry
Ed Grafton, vice chair, forestry
Steve Butler, agriculture
Jon Hunter, advocacy of environmental protection
Henry Rauch, water pollution control
Ron Crites, general public interest
Charles K. Meadows II, quarry operations

During FY 17, SMB accomplished:

- 1) Filed 17 Appeals
- 2) Met seven times
- 3) Entered 14 orders

Solid Waste Management Board

The Solid Waste Management Board (SWMB) develops solid waste management plans, disburses loans and grants for solid waste disposal projects, and provides program implementation and technical assistance to 50 county and regional solid waste authorities (SWAs) and other government entities in solid waste management. This includes municipalities that have been mandated by the Legislature to establish source separation and curbside recycling programs.

The SWMB, an independent entity housed within DEP headquarters, is required to meet four times per year, or upon the request of the chair.

During FY17, SWMB accomplished:

- 1) Met 12 times, evaluated and approved five Commercial Solid Waste Facility Siting Plans and seven Comprehensive Litter and Solid Waste Control Plans; met with 47 local Solid Waste Authorities (SWAs) and municipalities to conduct program reviews, provide technical, financial and business assistance; AND promoted recycling, market development, and planning functions. Conducted two training sessions for SWA staff August 2016 and June 2017.
- 2) Distributed \$1.1 million in solid waste assessment fees to 50 local and regional SWAs; awarded \$306,000 in grant funds to 33 local SWAs for a variety of improvement projects, including landfill and recycling processing equipment, financial examinations, educational training and certifications.
- 3) Completed 28 quarterly performance measures and three biennial performance reviews on SWAs operating commercial solid waste facilities to gauge productivity, determine effectiveness and efficiency of facility operations and identify serious impairments. The SWMB continued to supersede the Nicholas County Solid Waste Authority due to impairments identified.
- 4) The board published the 2017 West Virginia Solid Waste Management Plan two-year update, which is available online at <http://www.state.wv.us/swmb/State%20Plans/2017%20Complete%20State%20Plan.pdf>. The SWMB website was redesigned to include more information and be more user friendly.



2016-17 DEP Annual Report Financial Statement

DISBURSEMENT OF FUNDS BY FUNDING SOURCE - FISCAL YEAR 2017

| | |
|--|------------------|
| GENERAL REVENUE: | |
| PERSONAL SERVICES AND BENEFITS | 3,544,616 |
| OTHER | 220,504 |
| METH LAB CLEANUP | 174,078 |
| DAM SAFETY FUND | 243,870 |
| WV STREAM PARTNERS PROGRAM | 77,396 |
| WV CONTRIBUTIONS TO RIVER COMMISSIONS | 148,485 |
| OWR NON-ENFORCEMENT (TMDL) | 976,785 |
| WATER RESOURCES PROTECTION AND MANAGEMENT | 507,541 |
| ENVIRONMENTAL QUALITY BOARD (0311) | 98,728 |
| WATER RESOURCES PROTECTION AND MANAGEMENT | 82,807 |
| TOTAL GENERAL REVENUE FUNDS DISBURSED | 6,074,810 |

| | |
|--------------------------------------|-------------------|
| FEDERAL FUNDING: | |
| PERSONAL SERVICES AND BENEFITS | 20,224,300 |
| OTHER | 58,839,712 |
| TOTAL FEDERAL FUNDS DISBURSED | 79,064,012 |

| | |
|--|-------------------|
| SPECIAL REVENUE-APPROPRIATED: | |
| PERSONAL SERVICES AND BENEFITS | 16,035,475 |
| OTHER | 23,153,394 |
| LEGISLATIVE DIRECTED TRANSFER | 7,500,000 |
| STATUTORY TRANSFERS (INTRA-AGENCY) | 27,665,000 |
| STATUTORY TRANSFERS (INTER-AGENCY) | 130,470 |
| TOTAL APPROPRIATED SPECIAL REV. FUNDS DISBURSED | 74,484,339 |

| | |
|---|--------------------|
| SPECIAL REVENUE-NON APPROPRIATED: | |
| PERSONAL SERVICES AND BENEFITS | 14,059,553 |
| OTHER | 107,054,530 |
| LEGISLATIVE DIRECTED TRANSFER | 5,184,848 |
| TOTAL NON APPROPRIATED SPECIAL REVENUE FUNDS DISBURSED | 126,298,931 |

| | |
|------------------------------|--------------------|
| TOTAL FUNDS DISBURSED | 285,922,092 |
|------------------------------|--------------------|

DISBURSEMENT OF FUNDS BY DIVISION/OFFICE - FISCAL YEAR 2017

| | |
|--|-------------------|
| EXECUTIVE; BUSINESS-TECHNOLOGY OFFICE; LEGAL: | |
| PERSONAL SERVICES AND BENEFITS | 7,816,115 |
| OTHER | 2,676,588 |
| TOTAL DISBURSEMENTS | 10,492,703 |

| | |
|--------------------------------|------------------|
| OFFICE OF OIL AND GAS | |
| PERSONAL SERVICES AND BENEFITS | 2,953,925 |
| LEGISLATIVE DIRECTED TRANSFER | 1,502,200 |
| OTHER | 1,099,409 |
| TOTAL DISBURSEMENTS | 5,555,534 |

| | |
|---|-------------------|
| ABANDONED MINE LANDS AND RECLAMATION | |
| PERSONAL SERVICES AND BENEFITS | 3,934,097 |
| OTHER | 29,270,883 |
| TOTAL DISBURSEMENTS | 33,204,980 |

| | |
|------------------------------------|-------------------|
| MINING & RECLAMATION: | |
| PERSONAL SERVICES AND BENEFITS | 13,071,048 |
| STATUTORY TRANSFERS (INTER-AGENCY) | 130,470 |
| LEGISLATIVE DIRECTED TRANSFER | 68,200 |
| OTHER | 5,222,982 |
| TOTAL DISBURSEMENTS | 18,492,700 |

| | |
|--------------------------------|------------------|
| AIR QUALITY: | |
| PERSONAL SERVICES AND BENEFITS | 6,415,692 |
| LEGISLATIVE DIRECTED TRANSFER | 2,000,000 |
| OTHER | 1,552,898 |
| TOTAL DISBURSEMENTS | 9,968,590 |

| | |
|------------------------------------|-------------------|
| LAND RESTORATION: | |
| PERSONAL SERVICES AND BENEFITS | 5,470,146 |
| STATUTORY TRANSFERS (INTRA-AGENCY) | 27,665,000 |
| LEGISLATIVE DIRECTED TRANSFER | 3,000,000 |
| OTHER | 49,097,062 |
| TOTAL DISBURSEMENTS | 85,232,208 |

| | |
|------------------------------------|--------------------|
| WATER AND WASTE MANAGEMENT: | |
| PERSONAL SERVICES AND BENEFITS | 9,111,310 |
| OTHER | 98,037,295 |
| TOTAL DISBURSEMENTS | 107,148,605 |

| | |
|-----------------------------------|-------------------|
| ENVIRONMENTAL ENFORCEMENT: | |
| PERSONAL SERVICES AND BENEFITS | 5,378,676 |
| LEGISLATIVE DIRECTED TRANSFER | 5,114,448 |
| OTHER | 1,860,965 |
| TOTAL DISBURSEMENTS | 12,354,089 |

| | |
|--------------------------------|---------------|
| AIR QUALITY BOARD | |
| PERSONAL SERVICES AND BENEFITS | 55,058 |
| OTHER | 27,749 |
| TOTAL DISBURSEMENTS | 82,807 |

| | |
|------------------------------------|----------------|
| ENVIRONMENTAL QUALITY BOARD | |
| PERSONAL SERVICES AND BENEFITS | 66,994 |
| OTHER | 52,182 |
| TOTAL DISBURSEMENTS | 119,176 |

| | |
|-------------------------------------|------------------|
| SOLID WASTE MANAGEMENT BOARD | |
| PERSONAL SERVICES AND BENEFITS | 605,147 |
| LEGISLATIVE DIRECTED TRANSFER | 1,000,000 |
| OTHER | 1,440,264 |
| TOTAL DISBURSEMENTS | 3,045,411 |

| | |
|--|--------------------|
| OIL & GAS CONSERVATION COMMISSION | |
| PERSONAL SERVICES AND BENEFITS | 145,846 |
| OTHER | 79,443 |
| TOTAL DISBURSEMENTS | 225,289 |
| TOTAL DISBURSEMENTS | 285,922,099 |

STATEMENT OF RECEIPTS AND DISBURSEMENTS - FISCAL YEAR 2017

| | |
|--|---------|
| FUND 3004 - ABOVE GROUND STORAGE TANK ADMINISTRATIVE FUND | |
| BEGINNING CASH AT JULY 1, 2016 | 525,796 |

| | | | |
|------------------|---------------------------------|-----------|-----------|
| REVENUES: | OTHER COLLECTIONS/FEES/LICENSES | 1,205,550 | |
| | INTEREST ON INVESTMENTS | 14,122 | |
| | TOTAL REVENUE | | 1,219,672 |

| | | | |
|----------------------|--------------------------------|---------|---------|
| EXPENDITURES: | PERSONAL SERVICES AND BENEFITS | 395,067 | |
| | OTHER | 83,678 | |
| | TOTAL EXPENDITURES | | 478,745 |

| | |
|-------------------------------------|------------------|
| ENDING CASH AT JUNE 30, 2017 | 1,266,723 |
|-------------------------------------|------------------|

FUND 3016 - PROTECT OUR WATER FUND

| | |
|--------------------------------|---------|
| BEGINNING CASH AT JULY 1, 2016 | 816,918 |
|--------------------------------|---------|

| | | | |
|------------------|---------------------------------|---------|---------|
| REVENUES: | OTHER COLLECTIONS/FEES/LICENSES | 234,176 | |
| | INTEREST ON INVESTMENTS | 12,390 | |
| | TOTAL REVENUE | | 246,566 |

| | | | |
|----------------------|--------------------------------|---------|---------|
| EXPENDITURES: | PERSONAL SERVICES AND BENEFITS | 254,525 | |
| | OTHER | 31,686 | |
| | TOTAL EXPENDITURES | | 286,211 |

| | |
|-------------------------------------|----------------|
| ENDING CASH AT JUNE 30, 2017 | 777,273 |
|-------------------------------------|----------------|

FUND 3017 - PROTECT OUR WATER FUND

| | |
|--------------------------------|-------|
| BEGINNING CASH AT JULY 1, 2016 | 4,929 |
|--------------------------------|-------|

| | | | |
|------------------|---------------------------------|--------|--------|
| REVENUES: | OTHER COLLECTIONS/FEES/LICENSES | 32,672 | |
| | TOTAL REVENUE | | 32,672 |



| | | |
|---|-----------|------------------|
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 37,601 | |
| OTHER | 0 | |
| TOTAL EXPENDITURES | | 37,601 |
| ENDING CASH AT JUNE 30, 2017 | | 0 |
| FUND 3023 - HAZARDOUS WASTE MANAGEMENT FEE FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 2,019,611 |
| REVENUES: FEES | 679,755 | |
| INTEREST ON INVESTMENTS | 28,162 | |
| TOTAL REVENUE | | 707,917 |
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 558,885 | |
| OTHER | 68,228 | |
| TOTAL EXPENDITURES | | 627,113 |
| ENDING CASH AT JUNE 30, 2017 | | 2,100,415 |
| FUND 3024 - AIR POLLUTION EDUCATION AND ENVIRONMENT FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 2,537,032 |
| REVENUES: FINES AND PENALTIES | 653,050 | |
| OTHER REGISTRATION FEES | 2,450 | |
| GAIN/LOSS SALE OR DISPOSITION | 1,738 | |
| TOTAL REVENUE | | 657,238 |
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 315,229 | |
| LEGISLATIVE DIRECTED TRANSFER | 1,000,000 | |
| OTHER | 444,516 | |
| TOTAL EXPENDITURES | | 1,759,745 |
| ENDING CASH AT JUNE 30, 2017 | | 1,434,525 |
| FUND 3025 - DAM SAFETY REHABILITATION REVOLVING FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 1,184,848 |
| REVENUES: INTEREST ON INVESTMENTS | 0 | |
| OPERATING FUNDS TRANSFER | 0 | |
| TOTAL REVENUE | | 0 |
| EXPENDITURES: LEGISLATIVE DIRECTED TRANSFER | 1,184,848 | |
| TOTAL EXPENDITURES | | 1,184,848 |
| ENDING CASH AT JUNE 30, 2017 | | 0 |
| FUND 3206 - THE DAM SAFETY FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 510,664 |
| REVENUES: PERMITS | 0 | |
| INTEREST ON INVESTMENTS | 7,779 | |
| OTHER COLLECTIONS/FEES/LICENSES | 2,275 | |
| OTHER REGISTRATION FEES | 780 | |
| OPERATING PERMIT FEES | 24,600 | |
| TOTAL REVENUE | | 35,434 |
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 8,981 | |
| OTHER | 32,276 | |
| TOTAL EXPENDITURES | | 41,257 |
| ENDING CASH AT JUNE 30, 2017 | | 504,841 |
| FUND 3217 - LEAKING UNDERGROUND STORAGE TANK RESPONSE FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 581,619 |
| REVENUES: OTHER COLLECTIONS/FEES/LICENSES | 59,948 | |
| INTEREST ON INVESTMENTS | 8,754 | |
| TOTAL REVENUE | | 68,702 |
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 3,841 | |
| OTHER | 13,124 | |
| TOTAL EXPENDITURES | | 16,965 |
| ENDING CASH AT JUNE 30, 2017 | | 633,356 |
| FUND 3218 - UNDERGROUND STORAGE TANK INSURANCE FUND | | |
| BEGINNING CASH AT JULY | | 4,435,369 |
| REVENUES: FEES-DEPARTMENTAL FEES | 100 | |
| TOTAL REVENUE | | 100 |
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 16,222 | |
| LEGISLATIVE DIRECTED TRANSFER | 1,000,000 | |
| OTHER | 85,548 | |

| | | |
|---|-----------|------------------|
| TOTAL EXPENDITURES | | 1,101,770 |
| ENDING CASH AT JUNE 30, 2017 | | 3,333,699 |
| FUND 3220 - GROUNDWATER PROTECTION FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 2,982,020 |
| REVENUES: PERMITS | 1,095,830 | |
| INTEREST ON INVESTMENTS | 42,637 | |
| TOTAL REVENUE | | 1,138,467 |
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 428,333 | |
| OTHER | 446,277 | |
| TOTAL EXPENDITURES | | 874,610 |
| ENDING CASH AT JUNE 30, 2017 | | 3,245,877 |
| FUND 3222 - GROUNDWATER REMEDIATION FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 59,145 |
| REVENUES: INTEREST ON INVESTMENTS | 11,457 | |
| FINES AND PENALTIES | 12,343 | |
| TOTAL REVENUE | | 23,800 |
| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 23,168 | |
| OTHER | 16,009 | |
| TOTAL EXPENDITURES | | 39,177 |
| ENDING CASH AT JUNE 30, 2017 | | 743,768 |
| 3255 - PERFORMANCE BOND MONONGALIA CO. LANDFILL FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 634,544 |
| REVENUES: INTEREST ON INVESTMENTS | 4,863 | |
| TOTAL REVENUE | | 4,863 |
| ENDING CASH AT JUNE 30, 2017 | | 639,407 |
| 3275 - SPECIAL REVENUE OPERATING FUND | | |
| Beginning Cash at July 1, 2016 | | 38,602 |
| Revenues: Operating Funds Transfer | 49,520 | |
| TOTAL REVENUE | | 49,520 |
| Expenditures: Personal Services and Benefits | 8,722 | |
| Other | 11,726 | |
| TOTAL EXPENDITURES | | 20,448 |
| Ending Cash at June 30, 2017 | | 67,674 |
| Fund 3287 - FACILITIES OPERATING EXPENSE FUND | | |
| Beginning Cash at July 1, 2016 | | 2,094,494 |
| TOTAL REVENUE | | 0 |
| Expenditures: Other | (266,554) | |
| TOTAL EXPENDITURES | | (266,554) |
| Ending Cash at June 30, 2017 | | 2,361,048 |
| Fund 3288 - PLANNING FUND | | |
| Beginning Cash at July 1, 2016 | | 3,599,327 |
| Revenues: Solid Waste Assessment Fees | 2,349,700 | |
| Court Settlement- Litigation Awards | 22,300 | |
| Other Collections | 10 | |
| TOTAL REVENUE | | 2,372,010 |
| Expenditures: Personal Services and Benefits | 605,147 | |
| Legislative Directed Transfer | 1,000,000 | |
| Other | 1,706,818 | |
| TOTAL EXPENDITURES | | 3,311,965 |
| Ending Cash at June 30, 2017 | | 2,659,372 |
| Fund 3301 - OPERATOR PERMIT FEES FUND | | |
| Beginning Cash at July 1, 2016 | | 2,218,363 |
| Revenues: Other Collections/Fees/Licenses | 1,217 | |
| Fines and Penalties | 62,096 | |
| Operating Permit Fees | 1,770,350 | |
| TOTAL REVENUE | | 1,833,663 |



Financial Statement

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| EXPENDITURES: PERSONAL SERVICES AND BENEFITS | 1,406,863 | |
| OTHER | 321,282 | |
| TOTAL EXPENDITURES | | 1,728,145 |
| ENDING CASH AT JUNE 30, 2017 | | 2,323,881 |
| 3310 - OIL AND GAS TRUST DEPOSIT FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 102,418 |
| REVENUES: | | |
| INTEREST ON INVESTMENTS | 784 | |
| TOTAL REVENUE | 784 | |
| ENDING CASH AT JUNE 30, 2017 | | 103,202 |
| FUND 3312 - SPECIAL RECLAMATION WATER QUALITY FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 989,533 |
| REVENUES: | | |
| ROYALTY INCOME | 184 | |
| OTHER COLLECTIONS/FEES/LICENSES | 35,000 | |
| GIFT-DONATION (SWN) | 500,000 | |
| STATUTORY TRANSFERS (INTRA-AGENCY) | 24,435,000 | |
| TOTAL REVENUE | | 24,970,184 |
| EXPENDITURES: | | |
| PERSONAL SERVICES AND BENEFITS | 1,844,305 | |
| GRANTS | 12,750,247 | |
| OTHER | 9,183,490 | |
| TOTAL EXPENDITURES | | 23,778,042 |
| ENDING CASH AT JUNE 30, 2017 | | 2,181,675 |
| 3317 - SPECIAL RECLAMATION ADMINISTRATION FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 347,685 |
| REVENUES: | | |
| FEES | 10 | |
| STATUTORY TRANSFERS (INTRA-AGENCY) | 2,230,000 | |
| TOTAL REVENUE | | 2,230,010 |
| EXPENDITURES: | | |
| PERSONAL SERVICES AND BENEFITS | 790,945 | |
| OTHER | 1,327,185 | |
| TOTAL EXPENDITURES | | 2,118,130 |
| ENDING CASH AT JUNE 30, 2017 | | 459,565 |
| FUND 3321 - SPECIAL RECLAMATION TRUST FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 87,710,258 |
| REVENUES: | | |
| OTHER COLLECTIONS/FEES/LICENSES | -11,190,128 | |
| INTEREST ON INVESTMENTS | 961,340 | |
| COAL TONNAGE FEES | 11,174,041 | |
| FINES AND PENALTIES | 822,617 | |
| COURT SETTLEMENT REVENUES | 166,670 | |
| TOTAL REVENUE | | 1,934,540 |
| EXPENDITURES: | | |
| PERSONAL SERVICES AND BENEFITS | 668,936 | |
| STATUTORY TRANSFERS (INTRA-AGENCY) | 26,665,000 | |
| OTHER | 8,743,533 | |
| TOTAL EXPENDITURES | | 36,077,469 |
| ENDING CASH AT JUNE 30, 2017 | | 53,567,329 |
| FUND 3322 - OIL AND GAS RECLAMATION TRUST | | |
| BEGINNING CASH AT JULY 1, 2016 | | 477,015 |
| REVENUES: | | |
| WELL WORK PERMIT FEES | 75,700 | |
| TOTAL REVENUE | | 75,700 |
| EXPENDITURES: | | |
| PERSONAL SERVICES AND BENEFITS | 1,725 | |
| OTHER | 183,961 | |
| TOTAL EXPENDITURES | | 185,686 |
| ENDING CASH AT JUNE 30, 2017 | | 367,029 |
| 3323 - OIL AND GAS OPERATING PERMITS | | |
| BEGINNING CASH AT JULY 1, 2016 | | 4,795,839 |
| REVENUES: | | |
| FINES & PENALTIES | 124,275 | |
| WELL WORK PERMIT FEES | 475,819 | |
| HORIZONTAL WELL CONTROL | | |
| PERMIT FEES | 2,756,000 | |
| TOTAL REVENUE | | 3,356,094 |

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| EXPENDITURES: PERSONAL SERVICES & BENEFITS | 2,735,040 | |
| LEGISLATIVE DIRECTED TRANSFER | 1,500,000 | |
| OTHER | 899,074 | |
| TOTAL EXPENDITURES | | 5,134,114 |
| ENDING CASH AT JUNE 30, 2017 | | 3,017,819 |
| FUND 3324 - MINING AND RECLAMATION OPERATIONS FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 5,474,035 |
| REVENUES: | | |
| OTHER COLLECTIONS/FEES/LICENSES | 32 | |
| INTEREST ON INVESTMENTS | 75,155 | |
| FINES AND PENALTIES | 520,974 | |
| COAL TONNAGE FEES | 1,732,831 | |
| TOTAL REVENUE | | 2,328,992 |
| EXPENDITURES: | | |
| PERSONAL SERVICES & BENEFITS | 2,104,858 | |
| OTHER | 783,022 | |
| TOTAL EXPENDITURES | | 2,887,880 |
| ENDING CASH AT JUNE 30, 2017 | | 4,915,147 |
| FUND 3325 - UNDERGROUND STORAGE TANK ADMINISTRATIVE FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 496,929 |
| REVENUES: | | |
| FEES/PERMITS | 303,227 | |
| INTEREST ON INVESTMENTS | 7,954 | |
| OTHER REGISTRATION FEES | 7,740 | |
| FINES AND PENALTIES | 101,205 | |
| TOTAL REVENUE | | 420,126 |
| EXPENDITURES: | | |
| PERSONAL SERVICES & BENEFITS | 246,994 | |
| RECODING PS/BENEFITS TO | | |
| UST EY13 GRANT | -203,324 | |
| RECODING OTHER EXP. TO | | |
| UST EY13 GRANT | -10,618 | |
| OTHER | 90,742 | |
| TOTAL EXPENDITURES | | 123,794 |
| ENDING CASH AT JUNE 30, 2017 | | 793,261 |
| 3326 - HAZARDOUS WASTE MANAGEMENT HG1479 FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 885,645 |
| REVENUES: | | |
| OTHER COLLECTIONS/FEES/LICENSES | 102 | |
| FINES AND PENALTIES | 150,148 | |
| TOTAL REVENUE | | 150,250 |
| EXPENDITURES: | | |
| PERSONAL SERVICES & BENEFITS | 22,027 | |
| OTHER | 15,701 | |
| TOTAL EXPENDITURES | | 37,728 |
| ENDING CASH AT JUNE 30, 2017 | | 998,167 |
| FUND 3327 - WATER QUALITY MANAGEMENT FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 44,702,879 |
| REVENUES: | | |
| DEPARTMENTAL FEES | 4,468,090 | |
| FINES AND PENALTIES | 2,421,355 | |
| OTHER COLLECTIONS/FEES/LICENSES | 3,310,652 | |
| INTEREST ON INVESTMENTS | 659,300 | |
| OPERATING PERMIT FEES | 2,047,890 | |
| TOTAL REVENUE | | 12,907,287 |
| EXPENDITURES: | | |
| PERSONAL SERVICES & BENEFITS | 5,746,267 | |
| OTHER | 5,710,239 | |
| TOTAL EXPENDITURES | | 11,456,506 |
| ENDING CASH AT JUNE 30, 2017 | | 46,153,660 |
| FUND 3328 - CLOSURE COST ASSISTANCE FUND | | |
| BEGINNING CASH AT JULY 1, 2016 | | 23,637,077 |
| REVENUES: | | |
| SOLID WASTE ASSESSMENT FEES | 6,529,987 | |
| INTEREST ON INVESTMENTS | 281,706 | |
| TOTAL REVENUE | | 6,811,693 |
| EXPENDITURES: | | |
| PERSONAL SERVICES & BENEFITS | 1,070,869 | |
| LEGISLATIVE DIRECTED TRANSFER | 2,000,000 | |
| OTHER | 10,401,942 | |
| TOTAL EXPENDITURES | | 13,472,811 |
| ENDING CASH AT JUNE 30, 2017 | | 16,975,959 |



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| 3329 - WATER POLLUTION CONTROL REVOLVING FUND | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 95,850,306 | |
| REVENUES: | PRINCIPAL REPAYMENTS | 33,590,833 | |
| | INTEREST ON INVESTMENTS | 1,242,913 | |
| | INTEREST - LOANS | 2,939,643 | |
| | INTERAGENCY FED PAYMENTS | 20,829,000 | |
| | TOTAL REVENUE | 58,602,389 | |
| EXPENDITURES: | OTHER | 66,683,863 | |
| | TOTAL EXPENDITURES | 66,683,863 | |
| ENDING CASH AT JUNE 30, 2017 | | 87,768,832 | |
| FUND 3331 - HAZARDOUS WASTE EMERGENCY AND RESPONSE FUND | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 649,852 | |
| REVENUES: | INTEREST ON INVESTMENTS | 6,623 | |
| | SOLID WASTE ASSESSMENT FEES | 483,994 | |
| | FINES AND PENALTIES | 4,139 | |
| | COURT SETTLEMENT REVENUES | 44,899 | |
| | TOTAL REVENUE | 539,655 | |
| EXPENDITURES: | PERSONAL SERVICES & BENEFITS | 424,409 | |
| | OTHER | 373,797 | |
| | TOTAL EXPENDITURES | 798,206 | |
| ENDING CASH AT JUNE 30, 2017 | | 391,301 | |
| FUND 3332 - SOLID WASTE RECLAMATION & ENVIRONMENTAL RESPONSE | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 99,939 | |
| REVENUES: | STATUTORY TRANSFERS | 30,228 | |
| | SOLID WASTE ASSESSMENT FEES | 950,420 | |
| | PRIOR PERIOD REFUNDS | 12,375 | |
| | OPERATING FUNDS TRANSFER | 2,055,615 | |
| | FINES AND PENALTIES | 76,393 | |
| | TOTAL REVENUE | 3,125,031 | |
| EXPENDITURES: | PERSONAL SERVICES & BENEFITS | 461,086 | |
| | OTHER | 2,649,958 | |
| | TOTAL EXPENDITURES | 3,111,044 | |
| ENDING CASH AT JUNE 30, 2017 | | 113,926 | |
| 3333 - SOLID WASTE ENFORCEMENT FUND | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 8,950,503 | |
| REVENUES: | PERMITS | 55,100 | |
| | OTHER COLLECTIONS/FEES/LICENSES | 251 | |
| | SOLID WASTE ASSESSMENT FEES | 2,798,559 | |
| | TOTAL REVENUE | 2,853,910 | |
| EXPENDITURES: | PERSONAL SERVICES & BENEFITS | 2,004,879 | |
| | LEGISLATIVE DIRECTED TRANSFER | 3,000,000 | |
| | STATUTORY TRANSFERS (INTRA-AGENCY) | 1,000,000 | |
| | OTHER | 750,389 | |
| | TOTAL EXPENDITURES | 6,755,268 | |
| ENDING CASH AT JUNE 30, 2017 | | 5,049,145 | |
| FUND 3336 - AIR POLLUTION CONTROL FUND | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 4,567,355 | |
| REVENUES: | FEES | 7,102,459 | |
| | OTHER COLLECTIONS/FEES/LICENSES | 168 | |
| | TOTAL REVENUE | 7,102,627 | |
| EXPENDITURES: | PERSONAL SERVICES & BENEFITS | 4,717,024 | |
| | LEGISLATIVE DIRECTED TRANSFER | 1,000,000 | |
| | OTHER | 1,542,354 | |
| | TOTAL EXPENDITURES | 7,259,378 | |
| ENDING CASH AT JUNE 30, 2017 | | 4,410,604 | |
| FUND 3337 - GIFTS AND DONATIONS FUND | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 118,794 | |
| REVENUES: | OTHER COLLECTIONS/FEES/LICENSES | 100 | |
| | GIFTS AND DONATIONS | 78,635 | |

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| TOTAL REVENUE | | 87,735 | |
| EXPENDITURES: | OTHER | 87,422 | |
| | TOTAL EXPENDITURES | 87,422 | |
| ENDING CASH AT JUNE 30, 2017 | | 110,107 | |
| FUND 3340 - ENVIRONMENTAL LABORATORY CERTIFICATION FUND | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 959,101 | |
| REVENUES: | AUDIT FEES | 34,590 | |
| | CERTIFICATE TO OPERATE | 317,040 | |
| | INTEREST ON INVESTMENTS | 14,185 | |
| | TOTAL REVENUE | 365,815 | |
| EXPENDITURES: | PERSONAL SERVICES AND BENEFITS | 220,508 | |
| | OTHER | 68,556 | |
| | TOTAL EXPENDITURES | 289,064 | |
| ENDING CASH AT JUNE 30, 2017 | | 1,035,852 | |
| FUND 3342 - WATER POLLUTION REVOL FD - ADMIN FEES | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 8,710,840 | |
| REVENUES: | ADMINISTRATIVE FEES | 3,033,527 | |
| | INTEREST ON INVESTMENTS | 133,541 | |
| | TOTAL REVENUE | 3,167,068 | |
| EXPENDITURES: | PERSONAL SERVICES & BENEFITS | 1,501,500 | |
| | OTHER | 449,515 | |
| | TOTAL EXPENDITURES | 1,951,015 | |
| ENDING CASH AT JUNE 30, 2017 | | 9,926,893 | |
| 3345 - SPECIAL RECLAMATION TAX CLEARING ACCOUNT | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 2,528,024 | |
| REVENUES: | INTEREST ON INVESTMENTS | 2,938 | |
| | COAL TONNAGE FEES | 583,181 | |
| | TOTAL REVENUE | 586,119 | |
| EXPENDITURES: | TOTAL EXPENDITURES | 0 | |
| ENDING CASH AT JUNE 30, 2017 | | 3,114,143 | |
| FUND 3347 - VOLUNTARY REMEDIATION ADMINISTRATIVE FUND | | | |
| BEGINNING CASH AT JULY 1, 2016 | | 1,282,927 | |
| REVENUES: | OTHER COLLECTIONS/FEES/LICENSES | 729 | |
| | COST RECOVERY FEE | 375,872 | |
| | OTHER REGISTRATION FEES | 34,319 | |
| | INTEREST ON INVESTMENTS | 19,056 | |
| | TOTAL REVENUE | 429,976 | |
| EXPENDITURES: | PERSONAL SERVICES AND BENEFITS | 243,782 | |
| | OTHER | 202,501 | |
| | TOTAL EXPENDITURES | 446,283 | |
| ENDING CASH AT JUNE 30, 2017 | | 1,266,620 | |
| Fund 3349 - STREAM RESTORATION FUND | | | |
| Beginning Cash at July 1, 2016 | | 8,982,945 | |
| Revenues: | Interest on Investments | 127,450 | |
| | Fees and Penalties | 176,000 | |
| | Prior Period Adjustment | 145,226 | |
| | Other Collections/Fees/ Licenses & Incm | 85,525 | |
| | TOTAL REVENUE | 534,201 | |
| Expenditures: | Other | 2,139,911 | |
| | TOTAL EXPENDITURES | 2,139,911 | |
| Ending Cash at June 30, 2017 | | 7,377,235 | |
| Fund 3371 -SPECIAL OIL AND GAS CONSERVATION FUND | | | |
| Beginning Cash at July 1, 2016 | | 1,041,082 | |
| Revenues: | Special Conservation Tax | 210,431 | |
| | TOTAL REVENUE | 210,431 | |
| Expenditures: | Personal Services and Benefits | 145,846 | |
| | Other | 79,442 | |
| | TOTAL EXPENDITURES | 225,288 | |



Financial Statement

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| Ending Cash at June 30, 2017 | | 1,026,225 |
| Fund 3480 COVERED ELECTRONIC DEVICES TAKEBACK FUND | | |
| Beginning Cash at July 1, 2016 | | 139,310 |
| Revenues: | | |
| Other Collections-Unspent | | |
| Grant funds returned | 40,354 | |
| Departmental Collections | 96,000 | |
| TOTAL REVENUE | | 136,354 |
| Expenditures: | | |
| Other | 113,131 | |
| TOTAL EXPENDITURES | | 113,131 |
| Ending Cash at June 30, 2017 | | 162,533 |
| Fund 3482 - SPECIAL RECLAMATION WATER TRUST FUND | | |
| Beginning Cash at July 1, 2016 | | 71,397,886 |
| Revenues: | | |
| Interest on Investments | 8,727,124 | |
| Coal Tonnage Fees | 12,994,938 | |
| TOTAL REVENUE | | 21,722,062 |
| TOTAL EXPENDITURES | | 0 |
| Ending Cash at June 30, 2017 | | 93,119,948 |
| 3484 - HIGHWAY LITTER CONTROL PROGRAM | | |
| Beginning Cash at July 1, 2016 | | 921,869 |
| Revenues: | | |
| Fees | 500,000 | |
| TOTAL REVENUE | | 500,000 |
| Expenditures: | | |
| Personal Services and Benefits | 294,135 | |
| Other | 256,352 | |
| TOTAL EXPENDITURES | | 550,487 |
| Ending Cash at June 30, 2017 | | 871,382 |
| Fund 3486 - LITTER CONTROL FUND | | |
| Beginning Cash at July 1, 2016 | | 73,671 |
| Revenues: | | |
| Other Collections-Fines & Fees | 32,863 | |
| Other Collections- | | |
| Unspent Grant funds returned | 15,336 | |
| TOTAL REVENUE | | 48,199 |
| Expenditures: | | |
| Other | 60,000 | |
| TOTAL EXPENDITURES | | 60,000 |
| Ending Cash at June 30, 2017 | | 61,870 |
| 3487 - RECYCLING ASSISTANCE FUND | | |
| Beginning Cash at July 1, 2016 | | 2,345,889 |
| Revenues: | | |
| Other Collections- | | |
| Unspent Grant funds returned | 78,085 | |
| Solid Waste Assess Fees | 1,935,975 | |
| TOTAL REVENUE | | 2,014,060 |
| Expenditures: | | |
| Personal Services and Benefits | 327,587 | |
| Other | 2,265,334 | |
| TOTAL EXPENDITURES | | 2,592,921 |
| Ending Cash at June 30, 2017 | | 1,767,028 |
| Fund 3488 - SHILOH ENVIRONMENTAL AND LANDFILL TRUST | | |
| Beginning Cash at July 1, 2016 | | 294,791 |
| Revenues: | | |
| Interest on Investments | 2,122 | |
| TOTAL REVENUE | | 2,122 |
| Expenditures: | | |
| Other | 87,411 | |
| TOTAL EXPENDITURES | | 87,411 |
| Ending Cash at June 30, 2017 | | 209,502 |
| Fund 3490 - MOUNTAIN TOP REMOVAL | | |
| Beginning Cash at July 1, 2016 | | 2,677,809 |
| Revenues: | | |
| Permits | 175 | |
| Interest on Investments | 36,173 | |
| Blaster Fees <300,000 Tons | 535,966 | |
| Fees for Training | 3,355 | |

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| | TOTAL REVENUE | | 575,669 |
| Expenditures: | | | |
| Personal Services and Benefits | 663,045 | | |
| Other | 314,379 | | |
| Transfers to Coalfield Dev. | 130,470 | | |
| TOTAL EXPENDITURES | | | 1,107,894 |
| Ending Cash at June 30, 2017 | | | 2,145,584 |
| Fund 3492 - BOND POOLING FUND | | | |
| Beginning Cash at July 1, 2016 | | | 1,512,418 |
| Revenues: | | | |
| Performance Bonds | 88,950 | | |
| TOTAL REVENUE | | | 88,950 |
| TOTAL EXPENDITURES | | | 0 |
| Ending Cash at June 30, 2017 | | | 1,601,368 |
| Fund 3493 - QUARRY RECLAMATION FUND | | | |
| Beginning Cash at July 1, 2016 | | | 305,541 |
| Revenues: | | | |
| Interest on Investments | 28,470 | | |
| Fines & Penalties | 244 | | |
| TOTAL REVENUE | | | 28,714 |
| TOTAL EXPENDITURES | | | 0 |
| Ending Cash at June 30, 2017 | | | 334,255 |
| Fund 3494 - QUARRY INSPECTION AND ENFORCEMENT FUND | | | |
| Beginning Cash at July 1, 2016 | | | 108,383 |
| Revenues: | | | |
| Interest on Investments | 1,652 | | |
| Operating Permit Fees | 9,770 | | |
| TOTAL REVENUE | | | 11,422 |
| Expenditures: | | | |
| Other | 10,477 | | |
| TOTAL EXPENDITURES | | | 10,477 |
| Ending Cash at June 30, 2017 | | | 109,328 |
| Fund 8708 - FEDERAL FUNDS | | | |
| Beginning Cash at July 1, 2016 | | | 6,919,152 |
| Revenues: | | | |
| Federal Grant Direct DOD | 294,730 | | |
| Federal Grant Indirect DOD | 43,686 | | |
| Federal Grant Direct EPA | 33,568,056 | | |
| Federal Grant Indirect EPA | 2,272,310 | | |
| Federal Grant Direct | 41,917,782 | | |
| Federal Grant Indirect | 3,406,195 | | |
| FEMA Direct Costs | 64,483 | | |
| Prior Year Expiring Funds | 6,270 | | |
| TOTAL REVENUE | | | 81,573,512 |
| Expenditures: | | | |
| Personal Services & Benefits | 20,224,300 | | |
| Other | 58,392,445 | | |
| TOTAL EXPENDITURES | | | 78,616,745 |
| Ending Cash at June 30, 2017 | | | 9,875,919 |
| Fund 8796 - ACID MINE DRAINAGE ABATEMENT & TREATMENT FUND | | | |
| Beginning Cash at July 1, 2016 | | | 53,577,369 |
| Revenues: | | | |
| Operating Funds Transfer | 2,337,627 | | |
| Bond Forfeiture | 16,375 | | |
| Interest on Investments | 5,781,814 | | |
| TOTAL REVENUE | | | 8,135,816 |
| Expenditures: | | | |
| Other | 447,267 | | |
| TOTAL EXPENDITURES | | | 447,267 |
| Ending Cash at June 30, 2017 | | | 61,265,918 |



west virginia department of environmental protection

Colleen O'Neill, Editor
Matt Thompson, Graphic Artist
Photographer, Stephen J. Shaluta

