



Fiscal Year 2015-16 Annual Report



west virginia department of environmental protection

Earl Ray Tomblin, Governor
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West Virginia
Department of Environmental Protection
Annual Report
Fiscal Year 2015-16

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 FY 2016, DAQ accomplished:

Air Monitoring

- 1) Received \$446,716 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 2,100 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) Began operation of a National Core (NCore) air monitoring site in Charleston. The NCore site is the largest, most comprehensive ambient air monitoring site in West Virginia. Trace gas carbon monoxide, sulfur dioxide, nitrogen oxides, ozone, fine and coarse particulate matter, and meteorology will be continuously monitored.
- 6) 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.
- 7) 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 871 full compliance inspections of air pollution sources, 69 of which were major sources of air pollution and 35 were synthetic minors.
- 2) Conducted 307 partial evaluations of air pollution sources.
- 3) Reviewed 668 self-monitoring reports from air pollution sources.
- 4) Investigated 583 citizen complaints.
- 5) Inspected 74 asbestos demolition or renovation projects.
- 6) Reviewed 250 source performance tests, stack tests, relative accuracy test audits and opacity tests.
- 7) Reviewed and approved 280 stack test protocols.
- 8) Reviewed 170 Title V annual certification reports.
- 9) Issued 53 notices of violation.
- 10) Negotiated seven consent orders to settle violations.
- 11) Collected more than \$667,000 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 2015-16 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.



Permitting

Title V Program

- 1) Issued 69 permit revisions, including 13 administrative amendments, and 47 minor and nine significant modifications.
- 2) Issued 31 renewal permits.
- 3) Issued three initial permits.
- 4) Reviewed two off-permit changes.

New Source Review Program

- 1) Issued 106 Rule 13 construction/modification permits.
- 2) Issued two temporary permits.
- 3) Issued 99 administrative updates to existing permits.
- 4) Issued 188 general permit registrations.
- 5) Rendered 94 decisions on permit determinations.
- 6) Completed 22 withdrawal requests.

Planning

- 1) In August 2015, the EPA issued the Clean Power Plan, published in the Federal Register on Oct. 23, 2015. The plan set carbon dioxide emission guidelines for existing power plants. The EPA concurrently proposed model trading rules and federal plan requirements for greenhouse gas emissions for existing power plants. In January 2016, DEP submitted comments to the EPA on the proposed model rules and federal plan.
- 2) In early 2015, the state Legislature enacted a bill requiring the DEP to develop a detailed feasibility report for the Legislature within 180 days of the Clean Power Plan being finalized. During the end of 2015 and the beginning of 2016, DAQ staff devoted significant time to the development of the required report, which included a comprehensive analysis of the effect of the rule on the state. The feasibility report was submitted to the Legislature on April 20, 2016.
(Note: the Clean Power Plan was stayed by the U.S. Supreme Court in February 2016 pending resolution of a court challenge. No work on a state plan has been conducted since the stay has been in place.)
- 3) In August 2013, EPA designated the Weirton area of Brooke County (comprised of the Cross Creek Tax District) as nonattainment for the 2010, one-hour sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS). On April 25, 2016, West Virginia submitted

an attainment demonstration to EPA as a revision to the state implementation plan (SIP).

- 4) In July 2015, DAQ finalized five legislative rules that were approved during the 2015 legislative session and submitted the rules to the EPA.
- 5) Seven legislative rules proposed by DAQ in 2015 were approved during the 2016 special legislative session.
- 6) In June 2016, DAQ proposed seven legislative rules for the 2017 legislative session.

Small Business Assistance Program (SBAP)

- 1) Provided assistance to 141 small businesses: 56 in depth, with 28 site visits.
- 2) Produced and distributed 48 annual dry cleaner compliance calendars.

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 2016, DMR accomplished:

Application Type	Total	Affected Acres
Surface Mining Applications (SMAs) Issued	14	1,943
Surface Mining Permits Issued	11	3,639
Underground Mining Permits Issued	7	99
Other Mining Permits Issued	4	1,577
Quarry Permits Issued	2	152
Quarry Modification	7	
Quarry Annual Bonding	19	
Amendments	9	1,424
Notices of Intent to Prospect	28	
Withdrawn/Terminated/Denied Applications	92	
Incidental Boundary Revisions	264	-751
Permit Renewals	210	
Permit Revisions	399	
Permit Transfers/Merger/Ownership	182	
Operator Assignments	21	
Inactive Status	135	
Incremental Bonding	22	
NPDES Applications Approved	770	
Emergency Warning Plans	84	
Special Land Use	0	
Certification of Approval for Dams	29	



Inspection and Enforcement

Inspection and Enforcement	Total	Affected Acres
Inspections	19,739	
Notices of Violation	651	
Conferences	315	
Phase 1 Permit Releases	9	268
Phase 2 Permit Releases	6	1,099
Phase 3 Permit Releases	36	1,977
Prospect Releases	118	
Incremental Releases	80	
Planting Plans	4	
Cessation Orders	65	
Consent Orders	3	
Complaints Investigated	254	
Surface Mine Permits Revoked	7	
NPDES Permits Revoked	0	
NPDES Permits Released	30	

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.

- 1) Provided eight hours of blaster training to a total of 50 blasters for certification review, at various times during the year.
- 2) Hosted annual two-day blasting conference in April for certified surface mine blasters, blasting industry professionals and certified blasting inspectors; attendance was more than 80.

During FY 2016, OEB accomplished:

Pre-Blast Surveys Accepted	1,042
Pre-Blast Surveys Approved	6
Pre-Blast Surveys Renewed	2
New Damage Claims Processed	9
Complaints Received	77
Complaints Received With Alleged Damage	31
Inspections	967
Violations Issued	40
Cessation Orders Issued	3
Total Exams	51
Total Initial Blasters	5
Total Renewals	91
Total Reciprocity	0

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 approximately 100,000 oil and gas wells, including about 60,000 active ones; manages abandoned well plugging and reclamation programs; and ensures surface/ground water protection.

During FY 2016, OOG accomplished:

- 1) Reviewed, processed and issued 868 well work permits; 369 of these were horizontal wells and 361 were plugging permits.
- 2) Conducted 3,841 site inspections.
- 3) Processed 152 complaints.
- 4) Responded to 108 emergencies/spills.
- 5) Issued 212 notices of violations.
- 6) Plugged and/or reclaimed four abandoned wells/sites.
- 7) Expended approximately \$241,759 from the federal Oil Spill Liability Trust Fund.
- 8) Conducted 21 abandoned well inspections.
- 9) Conducted 122 underground injection control (UIC) inspections.
- 10) Reviewed and approved 81 UIC mechanical integrity tests; 23 of these were witnessed by OOG staff.
- 11) Conducted one industry workshop with approximately 250 attendees.
- 12) 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 in fiscal year 2016.

The Coalbed Methane Review Board hears and rules on actions associated with the drilling and production of coalbed methane wells. It administers the requirements of West Virginia Code Chapter 22, Article 21. It held no hearings in fiscal year 2016.



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 FY 2016, DWWM accomplished:

Environmental Enforcement

Dam Safety

Reviewed 16 applications or proposals for dam construction, modification, or removal; reviewed 105 monitoring and emergency action plans; conducted 125 inspections of all types.

Hazardous Waste

Completed 448 inspections related to hazardous waste facilities; responded to 43 emergency response situations; investigated 53 citizen complaints of hazardous materials.

Underground Storage Tanks

Conducted 34 closure inspections, 24 installation inspections, and 707 compliance monitoring inspections.

Water and Waste

Conducted 2,401 inspections of solid waste and water pollution control facilities; initiated 74 open dump clean-ups; responded to 1,015 citizen complaints.

Aboveground Storage Tanks

In response to the Jan. 9, 2014, chemical spill into the Elk River that contaminated drinking water for approximately 300,000 people, Chapter 22 of the West Virginia Code was amended by adding Article 30, the Aboveground Storage Tank Act. In accordance with this new statute, aboveground storage tank (AST) registration was initiated. Extensive legislative rule addresses tank inspection and certification, secondary containment, operation and maintenance, as well as fee collection and administrative settlement of violations of the act and rules. A comprehensive website, providing all available information at www.dep.wv.gov/tanks, has

been developed and is periodically updated. About 43,000 ASTs are currently registered throughout West Virginia.

Watershed Improvement Branch

- 1) Awarded 33 grants, totaling \$2.3 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 U.S. Environmental Protection Agency (EPA) through Section 319 Nonpoint Source and Chesapeake Bay programs, and by DEP.
- 2) Awarded 21 grants, totaling \$104,388, through the West Virginia Stream Partners Program.
- 3) Committed to seven In Lieu Fee projects, which when completed will provide approximately \$3.9 million to replace, protect, and restore streams and wetlands.
- 4) Through the West Virginia Save Our Streams (SOS) Program, coordinated 18 volunteer monitoring workshops, presented at 17 water festivals, and participated in numerous water monitoring events throughout the state. In addition, SOS has assumed the role of instructor for the West Virginia Division of Natural Resource's Master Naturalist Program, Envirothon, Outdoor Classrooms, Wild School, Seneca Discovery Day, the Mountain Institute's Appalachian Watershed Stream Monitor, Trout Unlimited's Trout in the Classroom, and the United States Forest Service's Beneath the Mon snorkel event. Save Our Streams has also been featured in multiple news articles.

Permitting

Issued seven major and 55 minor individual permits, 62 permit modifications to industrial and municipal facilities, 2,297 (1,457 general permit registrations and 840 stormwater) and 748 modifications (606 general registration and 142 stormwater) for a variety of facilities and activities. There were 89 (53 general permit and 36 stormwater) permits transferred.

Groundwater/UIC Program

Issued 50 underground injection control (UIC) permits to facilities, including one industrial permit, 44 sewage related permits, and five stormwater permits; inspected 224 underground injection control facilities.



Hazardous Waste Operating Permits

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

Corrective Action

In cooperation with the Division of Land Restoration, received/reviewed 42 corrective action submittals, involving the Hazardous and Solid Waste Management Acts; and reviewed 19 Resource Conservation and Recovery Act facility investigations.

Solid Waste

Issued nine municipal solid waste landfill permits; issued 632 minor permit modifications; and issued 18 Class D Construction/Demolition Landfill registrations.

Clean Water State Revolving Fund

- 1) Disbursed more than \$58.2 million to communities for municipal sewer projects under construction; disbursed \$306,892 to nonpoint source pollution control projects; closed new loans on an additional nine municipal construction projects, worth \$48.7 million; and issued three preliminary binding commitment letters for future loans, worth \$5.1 million.
- 2) Approved 11 sets of plans and specifications; reviewed 17 Infrastructure and Jobs Development Council (IJDC) applications; and funded 33 new onsite systems through the Onsite Systems Loan Program.

Quality Assurance

Received applications from 120 laboratories for certification; performed onsite inspections at 107 laboratories; and recertified/certified 116 laboratories.

Watershed Assessment Branch

- 1) Total Maximum Daily Load (TMDL) Development: Collected 3,599* water quality samples from 424 sites on 266 streams, providing 61,568 individual parameter results. These samples are primarily from the Upper Guyandotte River Watershed (208 streams) where pre-TMDL monitoring was focused for most of 2016. Monitoring wrapped up in the Hughes River Watershed and in the Monongahela River Watershed, which had been the focus in 2015. DEP received EPA approval for TMDLs for the 251 impaired streams in the Tygart Valley River Watershed. TMDL develop-

ment for Meadow River Watershed, Warm Springs Run, and Rockymarsh Run is on schedule and should be completed in late 2016. TMDL development for the Hughes River Watershed is well under way, and is just getting started for the Upper Guyandotte River Watershed.

**This number, as with the other numbers in this section, is derived from WABBASE, our primary database. Some data from FY16 may not have been entered at the time these values were queried from the database for this report.*

- 2) Watershed Assessment/Long-term Monitoring Sites: Collected water quality, habitat, and biological information from 140 targeted sites (including 10 done in duplicate for quality assurance): 56 sites considered Long-term Monitoring Sites and 84 other targeted samples.
- 3) Ambient Water Quality Monitoring Network: Collected bi-monthly water quality information for more than 30 parameters from 26 sites on West Virginia's major streams and rivers; six sites in the Monongahela basin were sampled monthly during low-flow season.
- 4) Probabilistic Monitoring: Conducted in the spring and early summer of 2016, which was the fourth year of the five-year cycle of Probabilistic Monitoring.
- 5) Water quality continuous data loggers were deployed at 80 sites on 62 streams.
- 6) Fish community data was collected at more than 54 sites, primarily in the Upper Guyandotte and Hughes River watersheds. Fish community data was also collected from Sandy Creek of the Tygart River Watershed and Muddy Creek of the Cheat River Watershed in order to get baseline data prior to restoration projects scheduled for those watersheds.
- 7) Benthic Macroinvertebrate Data: 451 samples were collected from 302 streams.
- 8) 2015 Lakes: Monitored 22 sites at 10 lakes and collected 94 samples, with 1,056 individual parameter results. Field parameters were measured along depth profile at each site visit.
- 9) 2016 Lakes: Selected and monitored seven lakes, with approximately 11 sampling stations targeted. 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.



Water Quality Standards

- 1) Revised and submitted to EPA for approval 47CSR2, the “Requirements Governing Water Quality Standards” rule, changing water quality criteria for selenium and aluminum.
- 2) Received EPA approval of 2016 Water Quality Standards rule, changing water quality criteria for selenium.
- 3) Proposed rule changes updating indicator bacteria from fecal coliform to E. coli, to revise critical design flow criteria, to implement a biotic ligand model (BLM) for copper, and add standards for five additional organic compounds for which the state has not previously had standards. Additionally, DEP proposed revising the process for determining public water supply use through the National Pollutant Discharge Elimination System (NPDES) permitting process. *(Note: 47CSR2 was later pulled from 2017 legislative consideration.)*
- 4) Implemented file retention and disposal policy, and began filing water quality standards documents electronically in Application Extender document management system.
- 5) Began writing standard operating procedures (SOPs) for processes performed by the group.
- 6) Held quarterly public meetings to obtain input from citizens regarding triennial review suggestions and feedback regarding proposed rule revisions, and held a public hearing regarding proposed rule changes.
- 7) Deployed continuous dissolved oxygen, pH (potential of hydrogen) and light monitoring sensors in the Greenbrier River to aid in algae impairment monitoring.
- 8) Began algae monitoring and nutrient sampling of the Tygart River.
- 9) Obtained a \$10,000 grant from the EPA for the purchase of nutrient monitoring equipment.
- 10) Streamlined sampling of Greenbrier River by reducing sampling events and working in cooperation with DEP’s Watershed Assessment Branch.
- 11) Developed a West Virginia Nutrient Development Plan and submitted it to EPA for approval.
- 12) Continued to monitor filamentous algae and nutrients in Greenbrier, Cacapon, and South Branch Potomac

rivers by sampling, assessing algae levels, and conducting longitudinal surveys throughout 2015 and 2016 summer algae seasons, April-October, and developed sample points for algae and nutrient monitoring for the Tygart and Buckhannon rivers.

- 13) Began to develop the trout Application Extender document management system by reviewing the system for any errors and proofing as needed.

401 Certification Program

- 1) Reviewed 125 individual Nationwide 404 permits, seven of which were for Division of Highways projects.
- 2) Issued 10 individual 401 water quality certifications, two denials, and one waiver.
- 3) Received and reviewed various documents on hydroelectric power projects, in accordance with Federal Energy Regulatory Commission (FERC) licensing requirements.
- 4) Reviewed and approved 26 Nationwide 27 permit stream restoration plans.
- 5) Reviewed and approved 23 Nationwide 39 permits for commercial and institutional developments.
- 6) Reviewed and approved eight U.S. Army Corps of Engineers-issued letters of permission.
- 7) Established coordination with FERC on 12 major proposed pipeline projects.
- 8) Reviewed various mitigation bank documents, including prospectus, instrument, mitigation plans, monitoring plans, and modifications.
- 9) Have been working in conjunction with the U.S. Army Corps of Engineers and EPA on seven non-compliance projects.

Water Use Section

- 1) Water Management Plans (WMPs) for Horizontal Well Drilling: In 2015, the Water Use Section reviewed and approved 114 unique WMPs, which included 582 individual wells, along with 60 WMP modifications, relating to the withdrawal of surface and groundwater used in horizontal well drilling operations. Additionally in 2015, the Water Use Section was responsible for the development and implementation of a new DEP Electronic Submission System form to allow the oil and gas industry to report 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:

YEAR	FACILITY TYPE DESC	Total Gallons
2015	Agriculture/Aquaculture	7,025,741,192
2015	Chemical	141,306,248,100
2015	Industrial	13,985,524,835
2015	Mining	17,704,204,406
2015	Oil & Gas / Frack	2,624,152,041
2015	Petroleum	271,726,104
2015	Public Water Supply	68,767,496,213
2015	Recreation	1,072,686,214
2015	Timber	1,136,499,871
2015	Thermoelectric (Coal)	574,261,967,441
2015	Hydroelectric	132,142,618,278,591

3) Consumptive Use Study:

Total Gallons Withdrawn	828,160,069,793
Total Gallons Consumed	64,188,679,585
Consumptive Use	7.5%
Consumptive Use (-Thermoelectric)	5.8%

4) **Geophysical Groundwater Well Logging:** The Water Use Section and the United States Geological Survey (USGS) have continued a collaborative five-year geophysical well logging project to assess fracture distributions in groundwater wells throughout West Virginia. The second year of the project is coming to a close and we have logged a total of 36 wells to date. This research will increase knowledge of depths and locations of water bearing fractures to improve future groundwater use throughout the state.

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 2016, AML accomplished:

AMD Water Treatment	214,877 gallons on 9 projects
Clogged Steams	0.3 miles
Dangerous Highwalls	11,541 feet
Dangerous Impoundments/Portals	218
Dangerous Poles and Embankments	22 acres
Hazardous/Polluted Water Bodies	1,492
Subsidence	8.75 acres
Dangerous Slides	4.5 acres
Vertical Openings	5
Hazardous Equipment/Facilities	5
Industrial/Residential Waste	1
Underground Mine Fires	1

- 1) **Planning Section:** Sent 22 site environmental assessments to the U.S. Office of Surface Mining (OSM) for authorization to proceed with the projects. There were 78 problem area documents submitted, completed, and incorporated in the national Abandoned Mine Lands Inventory System (AMLIS).
- 2) **In-House Design:** Completed 13 projects for AML; contract design (consulting firms) completed 11 projects.
- 3) **Investigations:** Complaints deemed emergencies totaled 22, with a total design and construction cost of \$2,293,562.13. Citizen complaint investigations numbered 281 and were completed by field inspectors. The total complaints investigated by the Board of Risk and Insurance Management was 78.
- 4) **Realty Section:** Completed rights of entry for the construction of 23 regular grant projects and acquired exploratory rights of entry for the engineering and design of 17 regular grant projects. Exploratory and/or construction rights of entry were obtained for the design and construction of 20 emergency projects and



eight maintenance projects statewide. Attained rights of entry for 68 projects.

- 5) **Waterline Projects:** Completed four waterline projects serving 1,073 customers and awarded six waterline projects serving 391 customers, all through the issuance of sub-grants.

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 FY 2016, OSR accomplished:

- 1) Provided quarterly progress reports to the Special Reclamation Fund Advisory Council, which met four times.
- 2) Monitored water quality on 49 permits for acid mine drainage determination (AMD) and design purposes.
- 3) Performed 8,089 land and water inspections and 385 construction inspections.
- 4) Issued eight reclamation purchase orders, totaling approximately \$8.2 million.
- 5) Had seven permits in the retrofit reclamation process.
- 6) Completed six retrofit projects that will allow OSR to meet more stringent national pollutant discharge elimination system (NPDES) limits.
- 7) Completed reclamation on 10 permits and started reclamation on 14 permits.
- 8) Reclaimed 100 acres.
- 9) Constructed one water treatment system (began construction on five permits).
- 10) Entered into two additional agreements for project design with consultants, for a total of 14 projects in progress.

- 11) Obtained a variance to water quality standards through the legislative process. This provides OSR the opportunity to treat in-stream, under an NPDES permit instead of at source, which would lead to the restoration of miles of stream rather than discharging compliant water into dead streams. The variance is currently pending approval from the EPA.
- 12) Established a partnership with Land Stewardship Corp., and initiated the first trial project. A second project including six permits is in development.
- 13) Began work on off-grid solar project using Department of Energy grant funds for alternate and/or more efficient treatment methods.
- 14) Worked with National Guard on an apple tree planting project as an alternate use of mine lands.
- 15) Due to the passage of a new law by the state Legislature, OSR - along with the Office of Abandoned Mine Lands and Reclamation (AML), the Landfill Closure Assistance Program (LCAP) and the Office of Oil and Gas (OOG) - worked with new DEP Procurement section to develop standardized specifications and procedures to administer all construction contracts in-house instead of going through the West Virginia Purchasing Division.
- 16) After one year of operating the new AMD treatment facility at the Omega Mining site in Monongalia County, the initial numbers reflect an 84 percent reduction in annual operation and maintenance costs, as well as enabling OSR to meet NPDES permit limits.

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 2016, OER accomplished:

- 1) Accepted six new applications for properties to participate in the Voluntary Remediation Program and issued three Certificates of Completion for 7.63 remediated acres of land ready for reuse.



Cumulatively, 150 Certificates of Completion have been issued for 1,387.58 remediated acres of land.

- 2) Provided oversight of the investigation and cleanup of 43 new leaking underground storage tank sites, and completed investigations and closed the active files on 110 such sites.
- 3) Performed three remedial actions and 18 investigations with federal funds at leaking underground storage tank sites for which the state has the lead, resulting in four cleanups completed.
- 4) Continued working with EPA Region 3 on Superfund actions at six National Priority List CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act of 1980) Superfund sites. Those include the Sharon Steel/Fairmont Coke and Big John's Salvage site near Fairmont, the Fike-Artel Chemical site in Nitro, the Vienna well field in Wood County, the Ravenswood PCE site, and the Olin-Hanlin Chemical site near New Martinsville.
- 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 or was in the process of conducting site assessment activities at eight priority hazardous substance sites: site assessments at Moundsville Zinc, Anmoore Zinc, the Kanawha Dunbar Glass site, St. Albans Trailer Park, and Ware Lumber and Fence; and site reassessments for New Cumberland Landfill, Dalzell Viking Glass Company and Smith Creek Landfill.
- 7) Completed eight preliminary assessments for CSX Train Derailment, Yuma Camp, Gary Dobbs Farm, Tyler County Asbestos, Waverly Train Derailment, Ohio River MP 125, Ohio River MP 308.4, and Ohio River flood debris.
- 8) Assisted in work that resulted in the North 25th Street Glass and Zinc site, formerly Fourco Glass, being listed on National Priorities List.
- 9) Worked with EPA Region 3 on the oversight of 42 sites under Resource Conservation and Recovery Act (RCRA) Corrective Action; OER is now the lead agency for 19 of the Corrective Action sites.
- 10) Although OER did not accomplish any "construction complete" projects for fiscal year 2016, the office is on track to complete two sites in fiscal year 2017, which will bring its percentage complete to 71 percent. This is ahead of the EPA regional goal of 64 percent complete. The office's Human Health Environmental Indicators are at 100 percent complete with an EPA regional goal of 92 percent, and its Ground Water Environmental Indicators are at 93 percent complete with EPA regional goals set at 82 percent.
- 11) One project completed the "remedy selected" stage during the fiscal year and another neared completion of that stage.
- 12) Worked with the Department of Defense in the remedial activity of Formerly Used Defense Sites (FUDS) and the Military Munitions Response Program (MMRP). OER works with the U.S. Navy, Army Corps of Engineers, Army National Guard, and U.S. Army through a cooperative agreement to remediate sites. These sites included Morgantown Ordnance Works, West Virginia Ordnance Works, South Charleston Naval Ordnance Works, and Camp Dawson KD Range.
- 13) Received and processed 1,234 notifications of excavations from WV811 to provide protection from uncontrolled exposures at properties with established environmental covenants under Voluntary Remediation and Redevelopment Act and Superfund programs.
- 14) There are 33 landfills in the Landfill Closure Assistance Program (LCAP) but only 32 have submitted applications for closure assistance. Twenty-five landfills, which includes six landfills with Subtitle D caps, were in post closure status during the fiscal year; two were under closure construction; and five landfills were in various phases of closure design. The Subtitle D landfills will later be evaluated to determine the cost effectiveness of synthetic liners after the remaining landfills are capped. 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.



Restoring the Environment

- 15) Construction of a new synthetic cap at the Marion County Landfill continued and is anticipated to be completed in fiscal year 2017.
- 16) Construction of a new synthetic cap at the South Charleston Landfill began in January 2016 and is anticipated to be completed in fiscal year 2017.
- 17) Erosion repair at the Morgan County Landfill began in April 2016 and is anticipated to be completed in fiscal year 2017.
- 18) Construction of an interim closure cap at the Elkins-Randolph Landfill began in October 2015 and was completed in June 2016.
- 19) Design work for the Kingwood Landfill continued.
- 20) An engineering firm was selected in April 2016 to conduct surface and subsurface investigation, surveying and mapping, engineering and design of the capping system, leachate collection and storage systems, etc., at the Elkins- Randolph Landfill.

- 21) LCAP issued leachate hauling contracts to 14 landfills: Central West Virginia Landfill, Fayette County Landfill, Jackson County Landfill, McDowell County Landfill, Midwest Landfill, Mingo County Landfill, Pine Creek/Omar Landfill, Webster County Landfill, Elkins-Randolph Landfill, Jefferson County Landfill, Marion County Landfill, Morgan County Landfill, Moundsville Landfill, and Rehe/Preston County Landfill.

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

During FY 2016, 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



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 2016, OEA accomplished:

- 1) Expanded assistance to citizens in the development of DEP rules and regulations; also provided technical assistance and clarification of existing DEP rules, regulations and policies.
- 2) Continued to participate with government and non-government stakeholder-based workgroups to address state and regional environmental concerns.
- 3) Participated in the training and development meeting of the Division of Water and Waste Management Environmental Enforcement staff.
- 4) Delivered DEP presentations to civic, environmental organizations and community groups.
- 5) Organized the Citizen Science gathering at the West Virginia University College of Law. The event focused on "Advocating for Community Collected Data."
- 6) Expanded participation in the contested case hearings before the Surface Mine Board and the Environmental Quality Board.
- 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) Continued to support the work of the DEP Dive Team with employee participation as a certified diver for information gathering projects.

- 11) Coordinated with citizen environmental groups on topics including gas pipeline infrastructure planning and permitting.
- 12) Participated in the DEP intra-agency planning and review group for the Federal Energy Regulatory Commission requirements.
- 13) Assisted in more than 400 inquiries submitted 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 FY 2016, SBO accomplished:

- 1) Assisted approximately 200 businesses and organizations of all sizes on permits and enforcement issues involving air, oil and gas, groundwater, storm water, industrial wastewater, hazardous and solid waste, climate change, Spill Prevention Control and Countermeasure (SPCC) regulations, Emergency Planning and Community Right-to-Know Act (EPCRA) matters, Comprehensive Environmental Response Compensation and Liability Act (CERCLA) matters, used oil, aboveground and underground storage tanks, voluntary remediation, and numerous other topics.
- 2) Participated, assisted, and worked with a variety of organizations, many specializing in economic development, within the state, including the West Virginia Development Office (domestic and international), West Virginia Small Business Development Center offices, U.S. Environmental Protection Agency, Marshall University, West Virginia University, West Virginia Manufacturing Extension Partnership, U.S. Geological Survey, Health Effects Institute and others.
- 3) Gave numerous talks and speeches on environmental issues that impact West Virginia and the nation. These talks, done in cooperation with West Virginia University, West Virginia Manufacturing Extension Partnership, American Academy of Sciences and many others, were aimed at enhancing the knowledge and assisting



Supporting DEP Offices

businesses of all sizes with compliance of state and federal laws.

- 4) Managed and submitted to the Legislature a comprehensive study on the impacts of Marcellus Shale drill cutting. This first-of-its-kind study incorporated concepts from radiation to regression, ecotoxicity to ecology, and involved experts from two universities, two state agencies and numerous other entities. The second phase of this study, which involves completion and frac wastes, has been launched and is expected to be completed in 2017.
- 5) Served on the Public Water System Supply Study Commission, and chaired a working group, and was a member of 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 FY 2016, PIO accomplished:

- 1) Composed and published approximately 90 news releases regarding agency action or involvement.
- 2) Responded or facilitated responses to 776 inquiries through the Contact Us email link on the agency's website.
- 3) Responded to media inquiries from local, state and national media regarding the Aboveground Storage Tank program, the Clean Power Plan feasibility study, coal mine bankruptcies, spill response and investigations, enforcement actions involving regulated entities, flood response and various other topics.
- 4) Composed, edited, laid out and published 11 editions of inDEPth, the agency's newsletter. Articles focused on agency action or participation in various projects and programs, profiles on employees with interesting hobbies or backgrounds, and items of statewide interest.
- 5) "*Environment Matters*," the agency's video news magazine that profiles environmental happenings in the state, was picked up by West Virginia Public Broadcasting's West Virginia Channel, making the show available to a statewide audience as an over-the-air broadcast in full high definition. The show, which is produced monthly 11 months of the year, also continues to be aired on the Library Channel and can also be accessed on the Environment Matters YouTube Channel, where it averages about 1,000 views per month.
- 6) Facilitated public engagement via social media, including a well-received campaign on Facebook, Twitter, and Google Plus honoring our women employees during Women's History Month.
- 7) Hosted two Sustainability Workshops with a total of 60 participants from various sectors of government and industry. The focus of these workshops is on the Triple Bottom Line of Sustainability, the impacts of the human species on the planet and promotion of the "Nine Opportunities for Sustainability" as potential solutions to those impacts.
- 8) Featured the short film "Currents," at the October 2015 West Virginia Rivers Coalition Film Festival. The video highlights the efforts of volunteer watershed groups across the state to help protect and preserve West Virginia streams. It's available for viewing on the Environment Matters YouTube channel.
- 9) Coordinated the DEP Mobile Aquarium's appearance at five events in order to better show the effect of the agency's work to improve water quality on aquatic life in West Virginia. The aquarium is a 2,000-gallon tank that stands approximately 10 feet tall, 10 feet wide and 25 feet long and is used to showcase fish caught by the Division of Natural Resources or DEP's Watershed Assessment Branch, or fish caught during fishing tournaments held across the state.
- 10) Organized the agency's annual spring Environmental Awards ceremony, where businesses, industries and volunteer groups were recognized by DEP for their outstanding environmental stewardship. There were 19 award winners, representing business, industry and volunteer groups in 14 counties.



- 11) Facilitated enrollment of 878 clubs, represented by 92,245 members in DEP's Youth Environmental Program.
- 12) YEP held three main annual events: Youth Environmental Day, held on May 21, with 898 participants attending; Junior Conservation Camp, held June 20-24, with 205 campers attending; and the Youth Environmental Conference, Sept. 30-Oct. 2, with 44 participants.
- 13) Facilitated and/or participated in about a half dozen public meetings to gather public input on various DEP proposed regulatory actions or rules.
- 14) Produced and distributed the agency's fiscal year 2015 annual report, helped design two agency calendars (Roadsides in Bloom and the Youth Environmental Program calendar), designed or helped design several marketing and educational tools, and provided editing services for a wide variety of agency publications and correspondence.
- 15) Provided employee training at monthly new hire orientation sessions and at two office/division staff development workshops.
- 16) Processed 1,751 Freedom of Information Act requests. Every FOIA request fulfilled since Jan. 1, 2016, has been entered into the Secretary of State's FOIA database, per the requirements of 2015 legislation.

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 FY 2016, BTO accomplished:

Comprehensive Records Management Plan

- 1) Implemented ApplicationXtender® (AX) for Office of Oil and Gas, Division of Water and Waste Management, Division of Air Quality permits, and Division of Mining and Reclamation Article 3 permits.
- 2) Launched the In Lieu Fee application for storage of trout data, fiscal notes, watershed assessment, and non-permitting related Oil and Gas documents.
- 3) Conducted AX trainings weekly across DEP's seven buildings.

- 4) Acquired six record retention policies; three were approved by the Department of Administration and three are waiting approval.
- 5) Created an In-House Construction and Reclamation Procurement Unit within the BTO-Administrative Services Section during the 2016 legislative session.
- 6) Wrote Standard Specifications for Construction and Reclamation Contracts; the unit began work on June 6.
- 7) Broke ground for the new Oak Hill office on June 29 and employees started moving in to new building in fiscal year 2017 (December).
- 8) Helped create class to offer hands-on experience, direct coaching and targeted skill building to prepare employees for future challenges in the DEP. Kicked off this prototype for future emerging leader classes on May 5.
- 9) Transitioned from the Human Resources and Payroll legacy systems to wvOASIS; the official go-live date was May 14. Paid employees received their first bi-weekly pay on June 10.
- 10) Started project to replace current DEP lighting with more energy efficient light-emitting diode (LED) lights through a grant with Appalachian Power. The LED lighting will eventually lead to a substantial cost savings to the agency.
- 11) Added retrofits to water fountains located at the rear of the DEP headquarters building on each of its three floors. These water filters have reduced the cost of purchasing bottled water.
- 12) Created better efficiency for deposits by using DAQ Lockbox fees.
- 13) Received zero findings in the AML single audit and in the State Revolving Fund federal and financial audits.
- 14) Created a new computer program for signing visitors in and out of DEP headquarters.
- 15) Converted to a new reservation system for conference rooms, fleet management, and equipment loans.
- 16) Integrated Regulatory Information Support (IRIS) developed a Document Generator program used in wvOASIS to help speed up repetitive data entry.
- 17) Deactivated numerous agency cell phones, resulting in a significant cost savings for the agency.
- 18) Refinished floors and painted walls at DEP headquarters.



Supporting DEP Offices

- 19) Upgraded DEP headquarters conference rooms with new televisions, sound system, and phone carts.
- 20) Completed the agency-wide driver safety training quiz, which lowers the Board of Risk and Insurance Management (BRIM) rates for DEP.
- 21) Changed the way DEP processed vehicle fuel purchase bills so that they will be paid more timely, which will result in a cost savings to the agency.
- 22) Remodeled a DEP copy center in headquarters, making it a more efficient work space.
- 23) Corrected asset information in wvOASIS, so that grant reporting is accurate.

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 FY 2016, OLS accomplished:

- 1) Entered into a consent decree which resolve a civil action for injunctive relief and civil penalties against a wastewater treatment facility for violations of the West Virginia Water Pollution Control Act.
- 2) Successfully defended the Division of Air Quality in action filed by industry group against a DAQ general permit related to air pollution emissions at natural gas facilities.

- 3) Successfully defended the Division of Air Quality's issuance of a permit to a natural gas fired electricity plant against challenge from the Ohio Valley Jobs Alliance.
- 4) Ensured that the Division of Mining and Reclamation's actions related to issuance of a coal mining permit in Kanawha County were upheld in the West Virginia Supreme Court of Appeals. Ultimately, each reviewing tribunal upheld the agency's work, and the final appeal to the Supreme Court was dismissed as moot after the DEP halted mining activity under the permits.
- 5) Prevailed in challenges to the Division of Mining and Reclamation's water replacement orders in two Wyoming County cases. This ensured that local citizens' access to clean water was protected.
- 6) Received a favorable ruling granting the Division of Water and Waste Management's request for injunctive relief requiring a defendant to bring a site into compliance. The division was awarded more than \$150,000 in civil penalties.
- 7) DEP and Paco Land Inc. reached a settlement through mediation that provided the Division of Water and Waste Management with injunctive relief requiring the defendant to correct the conditions and maintain its sewage treatment facility both now and in the future. DWWM was awarded civil penalties totaling \$27,500.
- 8) DEP and a defendant agreed to a settlement of a civil action against him for excavating a three to four-acre site without a permit. The defendant agreed to pay an \$8,400 civil penalty.

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.

During FY 2016, AQB accomplished:

- 1) There were four new appeals filed and three orders entered.

- 2) Held three appeal hearings and two meetings for deliberations.
- 3) Uploaded 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.

During FY 2016, EQB accomplished:

- 1) There were 32 new appeals filed and 34 orders entered.
- 2) Held five appeal hearings and four meetings for deliberations.
- 3) Downloaded notices of appeal, certified records and orders to the board's website.

Oil and Gas Conservation Commission

The Oil and Gas Conservation Commission (OGCC) fosters the exploration, development and conservation of oil and gas resources in the state through its regulation of the drilling of deep oil and gas wells. 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.

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

During FY 2016, OGCC accomplished:

- 1) Approved 19 deep wells.
- 2) Held five administrative hearings.
- 3) Collected \$200,626 in leased acreage taxes.
- 4) Managed and maintained oil and gas well performance bonds.

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.

During FY 2016, SMB accomplished:

- 1) Filed 22 appeals.

- 2) Met 14 days.
- 3) Entered 22 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 FY 2016, SWMB accomplished:

- 1) Met 13 times.
- 2) Evaluated and approved four commercial Solid Waste Facility Siting plans and seven Comprehensive Litter and Solid Waste Control plans.
- 3) Met with 44 local solid waste authorities and municipalities to conduct program reviews, provide technical, financial and business assistance, and to promote recycling, market development and planning functions.
- 4) Conducted a two-day training session for 27 solid waste authority members/staff on Managing Recycling Systems presented by the Solid Waste Association of North America.
- 5) Distributed \$1.3 million in solid waste assessment fees to 50 local and regional solid waste authorities (SWAs); awarded \$368,500 in grant funds to 35 local SWAs for a variety of improvement projects, including landfill and recycling processing equipment, financial examinations, educational training and certifications.
- 6) Completed 28 quarterly performance measures and four biennial performance reviews on SWAs operating commercial solid waste facilities to gauge productivity, determine effectiveness and efficiency of facility operations, and identify serious impairments.
- 7) Continued to supersede the Nicholas County Solid Waste Authority due to identified impairments.



Financial Statement

2015-16 DEP Annual Report Financial Statement

DISBURSEMENT OF FUNDS BY FUNDING SOURCE FISCAL YEAR	
GENERAL REVENUE	
PERSONAL SERVICES AND BENEFITS	3,614,919
OTHER	292,904
METH LAB CLEANUP	197,272
DAM SAFETY FUND	190,116
WV STREAM PARTNERS PROGRAM	77,396
WV CONTRIBUTIONS TO RIVER COMMISSIONS	148,485
OWR NON-ENFORCEMENT (TMDL)	845,393
WATER RESOURCES PROTECTION AND MANAGEMENT	542,384
TOTAL GENERAL REVENUE FUNDS DISBURSED	5,908,869
FEDERAL FUNDING	
PERSONAL SERVICES AND BENEFITS	20,270,600
OTHER	66,507,620
TOTAL FEDERAL FUNDS DISBURSED	86,778,220
SPECIAL REVENUE-APPROPRIATED	
PERSONAL SERVICES AND BENEFITS	15,444,398
OTHER	13,773,983
ACCOUNTING ADJUSTMENT	-4,696
TRANSFERS	13,968,751
TOTAL APPROPRIATED SPECIAL REVENUE FUNDS DISBURSED	43,182,436
SPECIAL REVENUE-NON APPROPRIATED	
PERSONAL SERVICES AND BENEFITS	13,684,309
OTHER	84,344,216
ACCOUNTING ADJUSTMENT	-704
TOTAL NON APPROPRIATED SPECIAL REV. FUNDS DISBURSED	98,027,821
TOTAL FUNDS DISBURSED	233,897,346
DISBURSEMENT OF FUNDS BY OFFICE	
EXECUTIVE - ADMINISTRATION OFFICE	
PERSONAL SERVICES AND BENEFITS	8,250,043
OTHER	2,931,758
TOTAL DISBURSEMENTS	11,181,801
OFFICE OF OIL AND GAS	
PERSONAL SERVICES AND BENEFITS	2,917,605
OTHER	988,304
TOTAL DISBURSEMENTS	3,905,909
ABANDONED MINE LANDS AND RECLAMATION	
PERSONAL SERVICES AND BENEFITS	3,834,255
OTHER	36,273,820
TOTAL DISBURSEMENTS	40,108,075
MINING & RECLAMATION	
PERSONAL SERVICES AND BENEFITS	13,958,427
OTHER (INCL. TRANSFERS LAND RESTORATION 13,657,000)	5,646,216
TOTAL DISBURSEMENTS	19,604,643
AIR QUALITY	
PERSONAL SERVICES AND BENEFITS	6,097,326
OTHER	1,414,002
TOTAL DISBURSEMENTS	7,511,328
LAND RESTORATION	
PERSONAL SERVICES AND BENEFITS	4,970,760
OTHER (INCL. TRANSFERS LAND RESTORATION 13,657,000)	40,593,67
TOTAL DISBURSEMENTS	45,564,436

WATER AND WASTE MANAGEMENT	
PERSONAL SERVICES AND BENEFITS	9,033,956
OTHER (INCL. TRANSFERS WASTE MGMT 178,000)	89,726,288
TOTAL DISBURSEMENTS	98,760,244
ENVIRONMENTAL ENFORCEMENT	
PERSONAL SERVICES AND BENEFITS	5,173,488
OTHER	2,092,821
TOTAL DISBURSEMENTS	7,266,309
DISBURSEMENTS	233,902,746
ACCOUNTING ADJUSTMENTS	-5400
TOTAL DISBURSEMENTS	233,897,346
STATEMENT OF RECEIPTS AND DISBURSEMENTS	
FUND 3004 - ABOVEGROUND STORAGE TANK ADMINISTRATIVE FUND	
BEGINNING CASH AT JULY 1, 2015	0
REVENUES: OTHER COLLECTIONS/FEES/LICENSES	904,306
INTEREST ON INVESTMENTS	5,031
TOTAL REVENUE	909,337
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	222,377
OTHER	161,164
TOTAL EXPENDITURES	383,541
ENDING CASH AT JUNE 30, 2016	525,796
FUND 3016 - PROTECT OUR WATER FUND	
BEGINNING CASH AT JULY 1, 2015	0
REVENUES: OTHER COLLECTIONS/FEES/LICENSES	810,453
INTEREST ON INVESTMENTS	6,464
TOTAL REVENUE	816,918
TOTAL EXPENDITURES	0
ENDING CASH AT JUNE 30, 2016	816,918
FUND 3017 - PROTECT OUR WATER FUND	
BEGINNING CASH AT JULY 1, 2015	0
REVENUES: OTHER COLLECTIONS/FEES/LICENSES	18,900
TOTAL REVENUE	18,900
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	12,967
OTHER	1,004
TOTAL EXPENDITURES	13,971
ENDING CASH AT JUNE 30, 2016	4,929
FUND 3023 - HAZARDOUS WASTE MANAGEMENT FEE FUND	
BEGINNING CASH AT JULY 1, 2015	1,754,226
REVENUES: FEES	696,575
INTEREST ON INVESTMENTS	18,782
TOTAL REVENUE	715,357
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	416,615
OTHER	33,358
TOTAL EXPENDITURES	449,972
ENDING CASH AT JUNE 30, 2016	2,019,611
FUND 3024 - AIR POLLUTION EDUCATION AND ENVIRONMENT FUND	
BEGINNING CASH AT JULY 1, 2015	2,748,981
REVENUES: FINES AND PENALTIES	811,150
TOTAL REVENUE	811,150
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	596,745
OTHER	426,354
TOTAL EXPENDITURES	1,023,099
ENDING CASH AT JUNE 30, 2016	2,537,032



FUND 3025 - DAM SAFETY REHABILITATION REVOLVING FUND		
BEGINNING CASH AT JULY 1, 2015		1,144,582
REVENUES: INTEREST ON INVESTMENTS	3,709	
OPERATING FUNDS TRANSFER	36,557	
TOTAL REVENUE		40,266
TOTAL EXPENDITURES		0
ENDING CASH AT JUNE 30, 2016		1,184,848
FUND 3206 - THE DAM SAFETY FUND		
BEGINNING CASH AT JULY 1, 2015		477,852
REVENUES: PERMITS	2,115	
INTEREST ON INVESTMENTS	4,797	
OTHER COLLECTIONS/FEES/LICENSES	11,900	
OTHER REGISTRATION FEES	40	
OPERATING PERMIT FEES	16,300	
TOTAL REVENUE		35,152
EXPENDITURES: OTHER	2,340	
TOTAL EXPENDITURES		2,340
ENDING CASH AT JUNE 30, 2016		510,664
FUND 3217 - LEAKING UNDERGROUND STORAGE TANK RESPONSE FUND		
BEGINNING CASH AT JULY 1, 2015		508,307
REVENUES: OTHER COLLECTNS/FEES/LICENSES	100,190	
INTEREST ON INVESTMENTS	4,580	
TOTAL REVENUE		104,770
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	483	
OTHER	30,974	
TOTAL EXPENDITURES		31,458
ENDING CASH AT JUNE 30, 2016		581,619
FUND 3218 - UNDERGROUND STORAGE TANK INSURANCE FUND		
BEGINNING CASH AT JULY 1, 2015		4,625,933
REVENUES: FEES-DEPARTMENTAL FEES	100	
TOTAL REVENUE		100
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	9,306	
OTHER	181,358	
TOTAL EXPENDITURES		190,665
ENDING CASH AT JUNE 30, 2016		4,435,369
FUND 3220 - GROUNDWATER PROTECTION FUND		
BEGINNING CASH AT JULY 1, 2015		2,807,228
REVENUES: PERMITS	1,142,533	
INTEREST ON INVESTMENTS	28,276	
TOTAL REVENUE		1,170,809
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	397,418	
OTHER	598,599	
TOTAL EXPENDITURES		996,017
ENDING CASH AT JUNE 30, 2016		2,982,020
FUND 3222 - GROUNDWATER REMEDIATION FUND		
BEGINNING CASH AT JULY 1, 2015		760,745
REVENUES: INTEREST ON INVESTMENTS	7,310	
FINES AND PENALTIES	18,453	
TOTAL REVENUE		25,763
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	22,262	
OTHER	5,101	
TOTAL EXPENDITURES		27,363
ENDING CASH AT JUNE 30, 2016		759,145

FUND 3255 - PERFORMANCE BOND MONONGALIA CO. LANDFILL FUND		
BEGINNING CASH AT JULY 1, 2015		632,747
REVENUES: INTEREST ON INVESTMENTS	1,797	
TOTAL REVENUE		1,797
ENDING CASH AT JUNE 30, 2016		634,544
FUND 3301 - OPERATOR PERMIT FEES FUND		
BEGINNING CASH AT JULY 1, 2015		2,558,194
REVENUES: OTHER REGISTRATION FEES	5,900	
OTHER COLLECTIONS/FEES/LICENSES	15,059	
FINES AND PENALTIES	40,908	
OPERATING PERMIT FEES	1,471,850	
TOTAL REVENUE		1,533,717
EXPENDITURES: PERSONAL SERVICES & BENEFITS	1,390,087	
OTHER	483,461	
TOTAL EXPENDITURES		1,873,548
ENDING CASH AT JUNE 30, 2016		2,218,363
FUND 3310 - OIL AND GAS TRUST DEPOSIT FUND		
BEGINNING CASH AT JULY 1, 2015		102,128
REVENUES: INTEREST ON INVESTMENTS	290	
TOTAL REVENUE		290
ENDING CASH AT JUNE 30, 2016		102,418
FUND 3312 - SPECIAL RECLAMATION WATER QUALITY FUND		
BEGINNING CASH AT JULY 1, 2015		2,271,633
REVENUES: STATUTORY TRANSFERS	10,700,000	
TOTAL REVENUE		10,700,000
EXPENDITURES: PERSONAL SERVICES & BENEFITS	1,678,064	
OTHER	10,304,036	
TOTAL EXPENDITURES		11,982,100
ENDING CASH AT JUNE 30, 2016		989,533
FUND 3317 - SPECIAL RECLAMATION ADMINISTRATION FUND		
BEGINNING CASH AT JULY 1, 2015		179,140
REVENUES: FEES	38	
STATUTORY TRANSFERS	2,701,000	
TOTAL REVENUE		2,701,038
EXPENDITURES: PERSONAL SERVICES AND BENEFITS	817,272	
OTHER	1,715,221	
TOTAL EXPENDITURES		2,532,493
ENDING CASH AT JUNE 30, 2016		347,685
FUND 3321 - SPECIAL RECLAMATION TRUST FUND		
BEGINNING CASH AT JULY 1, 2015		79,678,584
REVENUES: OTHER COLLECTIONS/		
FEES/LICENSES	12,500,000	
INTEREST ON INVESTMENTS	733,968	
COAL TONNAGE FEES	10,774,387	
FINES AND PENALTIES	612,182	
PRIOR YEAR EXPIRING FUNDS	168,948	
COURT SETTLEMENT REVENUES	266,668	
TOTAL REVENUE		25,056,152
EXPENDITURES: PERSONAL SERVICES & BENEFITS	630,640	
OTHER	16,393,838	
TOTAL EXPENDITURES		17,024,477
ENDING CASH AT JUNE 30, 2016		87,710,258



Financial Statement

FUND 3322 - OIL AND GAS RECLAMATION TRUST		
BEGINNING CASH AT JULY 1, 2015		362,048
REVENUES:	OTHER COLLECTIONS/FEES/LICENSES	50,000
	WELL WORK PERMIT FEES	66,065
TOTAL REVENUE		116,065
EXPENDITURES:	PERSONAL SERVICES AND BENEFITS	1,098
TOTAL EXPENDITURES		1,098
ENDING CASH AT JUNE 30, 2016		477,015
FUND 3323 - OIL AND GAS OPERATING PERMITS		
BEGINNING CASH AT JULY 1, 2015		6,141,520
REVENUES:	PRIOR YEAR EXPIRING FUNDS	70
	FINES & PENALTIES	234,650
	WELL WORK PERMIT FEES	367,654
	HORIZONTAL WELL CONTROL PERMIT FEES	1,865,000
TOTAL REVENUE		2,467,374
EXPENDITURES:	PERSONAL SERVICES & BENEFITS	2,668,871
	OTHER	1,144,185
TOTAL EXPENDITURES		3,813,055
ENDING CASH AT JUNE 30, 2016		4,795,839
FUND 3324 - MINING AND RECLAMATION OPERATIONS FUND		
BEGINNING CASH AT JULY 1, 2015		6,480,092
REVENUES:	INTEREST ON INVESTMENTS	54,029
	FINES AND PENALTIES	511,247
	COAL TONNAGE FEES	1,670,854
TOTAL REVENUE		2,236,130
EXPENDITURES:	PERSONAL SERVICES & BENEFITS	2,472,156
	ACCOUNTING ADJUSTMENT	-2,611
	OTHER	770,030
TOTAL EXPENDITURES		3,239,575
ENDING CASH AT JUNE 30, 2016		5,476,646
FUND 3325 - UNDERGROUND STORAGE TANK ADMINISTRATIVE FUND		
BEGINNING CASH AT JULY 1, 2015		547,138
REVENUES:	FEES	271,029
	BANKRUPTCY RECOVERIES	11
	INTEREST ON INVESTMENTS	2,398
	OTHER REGISTRATION FEES	5,795
	FINES AND PENALTIES	46,835
TOTAL REVENUE		326,068
EXPENDITURES:	PERSONAL SERVICES AND BENEFITS	314,253
	OTHER	62,024
TOTAL EXPENDITURES		376,277
ENDING CASH AT JUNE 30, 2016		496,929
FUND 3326 - HAZARDOUS WASTE MANAGEMENT		
BEGINNING CASH AT JULY 1, 2015		786,153
REVENUES:	OTHER COLLECTIONS/FEES/LICENSES	158
	FEES	142,790
TOTAL REVENUE		142,948
EXPENDITURES:	PERSONAL SERVICES AND BENEFITS	19,781
	OTHER	23,675
TOTAL EXPENDITURES		43,456
ENDING CASH AT JUNE 30, 2016		885,645

FUND 3327 - WATER QUALITY MANAGEMENT FUND		
BEGINNING CASH AT JULY 1, 2015		44,789,910
REVENUES:	BANKRUPTCY RECOVERIES	1,748
	DEPARTMENTAL FEES	2,210,817
	FINES AND PENALTIES	2,378,596
	OTHER COLLECTNS/FEES/LICENSES	3,393,776
	INTEREST ON INVESTMENTS	417,687
	OPERATING PERMIT FEES	1,776,178
TOTAL REVENUE		10,178,802
EXPENDITURES:	PERSONAL SERVICES & BENEFITS	5,753,915
	OTHER	4,511,918
TOTAL EXPENDITURES		10,265,833
ENDING CASH AT JUNE 30, 2016		44,702,879
FUND 3328 - CLOSURE COST ASSISTANCE FUND		
BEGINNING CASH AT JULY 1, 2015		23,932,671
REVENUES:	SOLID WASTE ASSESSMENT FEES	7,423,597
	OTHER COLLECTIONS/FEES/LICENSES	3,600
	INTEREST ON INVESTMENTS	221,458
TOTAL REVENUE		7,648,654
EXPENDITURES:	PERSONAL SERVICES & BENEFITS	1,230,707
	ACCOUNTING ADJUSTMENT	-704
	OTHER	6,714,245
TOTAL EXPENDITURES		7,944,248
ENDING CASH AT JUNE 30, 2016		23,637,077
FUND 3329 - WATER POLLUTION CONTROL REVOLVING FUND		
BEGINNING CASH AT JULY 1, 2015		93,664,431
REVENUES:	PRINCIPAL REPAYMENTS	35,223,665
	INTEREST ON INVESTMENTS	789,434
	INTEREST - LOANS	2,967,178
	INTERAGENCY FED PAYMENTS	21,745,000
TOTAL REVENUE		60,725,277
EXPENDITURES:	OTHER	58,539,402
TOTAL EXPENDITURES		58,539,402
ENDING CASH AT JUNE 30, 2016		95,850,306
FUND 3331 - HAZARDOUS WASTE EMERGENCY AND RESPONSE FUND		
BEGINNING CASH AT JULY 1, 2015		748,117
REVENUES:	INTEREST ON INVESTMENTS	5,861
	SOLID WASTE ASSESSMENT FEES	540,061
	FINES AND PENALTIES	4,765
	COURT SETTLEMENT REVENUES	20,235
TOTAL REVENUE		570,922
EXPENDITURES:	PERSONAL SERVICES & BENEFITS	365,491
	OTHER	303,697
TOTAL EXPENDITURES		669,187
ENDING CASH AT JUNE 30, 2016		649,852
FUND 3332 - SOLID WASTE RECLAMATION & ENVIRONMENTAL RESPONSE		
BEGINNING CASH AT JULY 1, 2015		256,059
REVENUES:	STATUTORY TRANSFERS	132,406
	SOLID WASTE ASSESSMENT FEES	1,070,316
	OPERATING FUNDS TRANSFER	1,408,044
	FINES AND PENALTIES	79,118
TOTAL REVENUE		2,689,884
EXPENDITURES:	PERSONAL SERVICES & BENEFITS	450,420
	OTHER	2,395,583
TOTAL EXPENDITURES		2,846,004
ENDING CASH AT JUNE 30, 2016		99,939



FUND 3333 - SOLID WASTE ENFORCEMENT FUND		
BEGINNING CASH AT JULY 1, 2015		9,161,703
REVENUES: FEES	61,387	
SOLID WASTE ASSESSMENT FEES	3,181,534	
TOTAL REVENUE		3,242,921
EXPENDITURES: PERSONAL SERVICES & BENEFITS	2,062,203	
OTHER	1,391,918	
ACCOUNTING ADJUSTMENT	-2,085	
TOTAL EXPENDITURES		3,452,037
ENDING CASH AT JUNE 30, 2016		8,952,588
FUND 3336 - AIR POLLUTION CONTROL FUND		
BEGINNING CASH AT JULY 1, 2015		2,695,204
REVENUES: FEES	7,313,886	
PRIOR YEAR EXPIRING FUNDS	17,000	
OTHER COLLECTIONS/FEES/LICENSES	26	
TOTAL REVENUE		7,330,912
EXPENDITURES: PERSONAL SERVICES & BENEFITS	3,928,064	
OTHER	1,530,697	
TOTAL EXPENDITURES		5,458,761
ENDING CASH AT JUNE 30, 2016		4,567,355
FUND 3337 - GIFTS AND DONATIONS FUND		
BEGINNING CASH AT JULY 1, 2015		113,755
REVENUES: OTHER COLLECTIONS/FEES/LICENSES	48,010	
GIFTS AND DONATIONS	71,994	
TOTAL REVENUE		120,004
EXPENDITURES: OTHER	114,964	
TOTAL EXPENDITURES		114,964
ENDING CASH AT JUNE 30, 2016		118,794
FUND 3340 - ENVIRONMENTAL LABORATORY CERTIFICATION FUND		
BEGINNING CASH AT JULY 1, 2015		853,522
REVENUES: AUDIT FEES	47,121	
CERTIFICATE TO OPERATE	360,875	
INTEREST ON INVESTMENTS	8,233	
TOTAL REVENUE		416,230
EXPENDITURES: PERSONAL SERVICES & BENEFITS	226,339	
OTHER	84,312	
TOTAL EXPENDITURES		310,651
ENDING CASH AT JUNE 30, 2016		959,101
FUND 3342 - WATER POLLUTION REVOLING FUND - ADMIN FEES		
BEGINNING CASH AT JULY 1, 2015		7,737,866
REVENUES: ADMINISTRATIVE FEES	2,867,119	
WITNESS AND DOCKET FEES	10	
INTEREST ON INVESTMENTS	73,199	
TOTAL REVENUE		2,940,328
EXPENDITURES: PERSONAL SERVICES & BENEFITS	1,545,050	
OTHER	422,304	
TOTAL EXPENDITURES		1,967,354
ENDING CASH AT JUNE 30, 2016		8,710,840
FUND 3345 - SPECIAL RECLAMATION TAX CLEARING ACCOUNT		
BEGINNING CASH AT JULY 1, 2015		4,169,609
REVENUES: INTEREST ON INVESTMENTS	1,100	
COAL TONNAGE FEES	-1,642,685	
TOTAL REVENUE		-1,641,585
TOTAL EXPENDITURES		0
ENDING CASH AT JUNE 30, 2016		2,528,024

FUND 3347 - VOLUNTARY REMEDIATION ADMINISTRATIVE FUND		
BEGINNING CASH AT JULY 1, 2015		1,213,344
REVENUES: OTHER COLLECTIONS/FEES/LICENSES	2,199	
COST RECOVERY FEE	535,343	
OTHER REGISTRATION FEES	300	
INTEREST ON INVESTMENTS	11,604	
TOTAL REVENUE		549,446
EXPENDITURES: PERSONAL SERVICES & BENEFITS	303,095	
OTHER	176,768	
TOTAL EXPENDITURES		479,863
ENDING CASH AT JUNE 30, 2016		1,282,927
FUND 3349 - STREAM RESTORATION FUND		
BEGINNING CASH AT JULY 1, 2015		9,019,887
REVENUES: PRIOR YEAR EXPIRING FUNDS	81,353	
INTEREST ON INVESTMENTS	169,508	
OTHER COLLECTIONS/FEES/ LICENSES & INCM	2,400	
TOTAL REVENUE		253,261
EXPENDITURES: OTHER		90,203
TOTAL EXPENDITURES		290,203
ENDING CASH AT JUNE 30, 2016		8,982,945
FUND 3480 COVERED ELECTRONIC DEVICES TAKEBACK FUND		
BEGINNING CASH AT JULY 1, 2015		196,226
REVENUES: OTHER COLLECTIONS/FEES/ LICENSES & INCM	25,124	
DEPARTMENTAL COLLECTIONS	82,500	
TOTAL REVENUE		107,624
EXPENDITURES: OTHER		164,540
TOTAL EXPENDITURES		164,540
ENDING CASH AT JUNE 30, 2016		139,310
FUND 3482 - SPECIAL RECLAMATION WATER TRUST FUND		
BEGINNING CASH AT JULY 1, 2015		59,996,051
REVENUES: INTEREST ON INVESTMENTS	-1,128,322	
COAL TONNAGE FEES	12,530,157	
TOTAL REVENUE		11,401,836
TOTAL EXPENDITURES		0
ENDING CASH AT JUNE 30, 2016		71,397,886
FUND 3484 - HIGHWAY LITTER CONTROL PROGRAM		
BEGINNING CASH AT JULY 1, 2015		903,809
REVENUES: FEES	500,000	
TOTAL REVENUE		500,000
EXPENDITURES: PERSONAL SERVICES & BENEFITS	294,492	
OTHER	187,449	
TOTAL EXPENDITURES		481,941
ENDING CASH AT JUNE 30, 2016		921,869
FUND 3486 - LITTER CONTROL FUND		
BEGINNING CASH AT JULY 1, 2015		85,449
REVENUES: OTHER COLLECTIONS/FEES/ LICENSES	35,859	
PRIOR YEAR EXPIRING FUNDS	11,449	
TOTAL REVENUE		47,308
EXPENDITURES: OTHER		59,086
TOTAL EXPENDITURES		59,086
ENDING CASH AT JUNE 30, 2016		73,671



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FUND 3487 - RECYCLING ASSISTANCE FUND		
BEGINNING CASH AT JULY 1, 2015		2,708,626
REVENUES: PRIOR YR. EXPIRING FUNDS	112,737	
SOLID WASTE ASSESS FEES	2,160,244	
TOTAL REVENUE		2,272,981
EXPENDITURES: PERSONAL SERVICES & BENEFITS	339,192	
OTHER	2,296,526	
TOTAL EXPENDITURES		2,635,718
ENDING CASH AT JUNE 30, 2016		2,345,889
FUND 3488 - SHILOH ENVIRONMENTAL AND LANDFILL TRUST		
BEGINNING CASH AT JULY 1, 2015		293,956
REVENUES: INTEREST ON INVESTMENTS	835	
TOTAL REVENUE		835
TOTAL EXPENDITURES		0
ENDING CASH AT JUNE 30, 2016		294,791
FUND 3490 - MOUNTAIN TOP REMOVAL		
BEGINNING CASH AT JULY 1, 2015		3,609,740
REVENUES: PERMITS	408	
CERTIFICATE TO OPERATE	27,601	
BLASTER FEES <300,000 TONS	4,520	
FEES FOR TRAINING	554,806	
TOTAL REVENUE		587,335
EXPENDITURES: PERSONAL SERVICES & BENEFITS	959,346	
OTHER	426,169	
TRANSFERS	133,751	
TOTAL EXPENDITURES		1,519,266
ENDING CASH AT JUNE 30, 2016		2,677,809
FUND 3492 - BOND POOLING FUND		
BEGINNING CASH AT JULY 1, 2015		1,488,400
REVENUES: PERFORMANCE BONDS	24,018	
TOTAL REVENUE		24,018
TOTAL EXPENDITURES		0
ENDING CASH AT JUNE 30, 2016		1,512,418
FUND 3493 - QUARRY RECLAMATION FUND		
BEGINNING CASH AT JULY 1, 2015		285,304
REVENUES: INTEREST ON INVESTMENTS	17,173	
FINES & PENALTIES	615	
OTHER COLLECTIONS/FEES/ LICENSES & INCM	2,450	
TOTAL REVENUE		20,238
TOTAL EXPENDITURES		0
ENDING CASH AT JUNE 30, 2016		305,541

FUND 3494 - QUARRY INSPECTION AND ENFORCEMENT FUND		
BEGINNING CASH AT JULY 1, 2015		82,941
REVENUES: INTEREST ON INVESTMENTS	988	
OPERATING PERMIT FEES	31,150	
TOTAL REVENUE		32,138
EXPENDITURES: OTHER	6,696	
TOTAL EXPENDITURES		6,696
ENDING CASH AT JUNE 30, 2016		108,383
FUND 8708 - FEDERAL FUNDS		
BEGINNING CASH AT JULY 1, 2015		7,733,064
REVENUES: FEDERAL GRANT DIRECT DOD	96,422	
FEDERAL GRANT INDIRECT DOD	20,767	
FEDERAL GRANT DIRECT EPA	30,692,859	
FEDERAL GRANT INDIRECT EPA	1,329,961	
FEDERAL GRANT DIRECT	50,033,351	
FEDERAL GRANT INDIRECT	3,205,492	
FOIA	20	
GAIN/LOSS SALE OR DISPOSITION	-260	
FEMA DIRECT COSTS	74,986	
PRIOR YEAR EXPIRING FUNDS	26,357	
TOTAL REVENUE		85,479,954
EXPENDITURES: PERSONAL SERVICES & BENEFITS	20,270,600	
OTHER	66,023,320	
TOTAL EXPENDITURES		86,293,920
ENDING CASH AT JUNE 30, 2016		6,919,099
FUND 8796 - ACID MINE DRAINAGE ABATEMENT & TREATMENT FUND		
BEGINNING CASH AT JULY 1, 2015		51,445,328
REVENUES: OPERATING FUNDS TRANSFER	3,632,500	
INT. ON INVESTMENTS-SHRT TRM	-1,016,159	
TOTAL REVENUE		2,616,341
EXPENDITURES: OTHER	484,300	
TOTAL EXPENDITURES		484,300
ENDING CASH AT JUNE 30, 2016		53,577,369



west virginia department of environmental protection

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