

Annual Report

Fiscal Year 2017-18



Austin Caperton, Cabinet Secretary

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.



west virginia department of environmental protection



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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 FY18, DAQ accomplished:

Air Monitoring

- 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.
- Collected and processed more than 2,000 PM2.5 (particles that are 2.5 micrometers in diameter or smaller) filter samples.
- Continued to perform particulate metals lab analysis for West Virginia sites, including the National Air Toxic Trends Site (NATTS) in Charleston, WV, as well as sites in Philadelphia and Pittsburgh, PA, and Washington, D.C.
- Received an EPA grant of \$23,000 to support operation of an Inductively Coupled Plasma (ICP) Mass Spectrometer.
- Operated 19 air monitoring sites, including two air toxic sites, two fine particle speciation sites, a multipollutant NCore site, and a radiation network monitor on behalf of EPA's national radiation monitoring program.
- Analysis of lead in particulate matter conducted by the DAQ laboratory for the Huntington, WV area, was discontinued in January 2018 due to extremely low levels.

Compliance and Enforcement

- Conducted 620 full compliance inspections of air pollution sources, 94 of which were major sources of air pollution and 48 were synthetic minors.
- Conducted 173 partial evaluations of air pollution sources.
- Reviewed 831 self-monitoring reports from air pollution sources.
- Investigated 730 citizen complaints.
- Inspected 38 asbestos demolition/renovation projects.
- Reviewed 339 source performance tests, stack tests, relative accuracy test audits and opacity tests.
- Reviewed and approved 366 stack test protocols.
- Received 191 202 Title V annual certification reports.
- Issued 36 notices of violation.
- Negotiated 17 consent orders to settle violations.
- Collected \$295,450 as a result of the consent orders.

Hazardous and Solid Waste Air Program (HSWAP)

- Conducted 35 compliance site inspections at hazardous waste air pollution sources.
- Conducted five used and waste oil burner source inspections.
- Assisted in the development/update of the 2017-18 DAQ air rules 45CSR (code of state rules) 18, 45CSR25 and 45CSR34.
- Submitted to EPA the required grant reports on the Resource Conservation and Recovery Act (RCRA) and the CAA 111(d)/129 programs.
- 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.
- Worked on ongoing CAA 111(d)/129 plan revisions for commercial industrial solid waste incinerators for EPA approval.
- Worked on rule changes to 45CSR23.
- Issued two permits under 45CSR25 for Hazardous Waste Burners.



Permitting

Title V Program

- Issued 37 permit revisions, including two administrative amendments, and 26 minor and nine significant modifications.
- Issued 43 renewal permits.

New Source Review Program

- Issued 68 Rule 13 construction/modification permits.
- Issued five PSD (major source) permits.
- Issued four temporary permits.
- Issued three relocation permits.
- Issued 82 administrative updates to existing permits.
- Issued 157 general permit registrations, and reviewed 55 Alternative Operating Scenarios and 57 Annual Certifications.
- Rendered 97 decisions on permit determinations.
- Completed 16 withdrawal requests.
- Held three public meetings.
- Issued two revised General Permits (G60-D and G65-D).

Planning

- In August 2013, the EPA designated 29 areas in 16 states, including two areas in West Virginia, as nonattainment. The two areas include the Cross Creek Tax District in Brooke County, and the Clay, Franklin and Washington Tax Districts in Marshall County. EPA was required to complete the remaining area designations in accordance with a specific schedule, which included four rounds of designations. On January 9, 2018, the EPA completed Round 3 of the designation schedule, and designated the remaining portions of Brooke and Marshall Counties, the two counties containing areas designated “nonattainment” in 2013, as “attainment/unclassifiable;” Wood County as “unclassifiable;” and 51 counties as “attainment/unclassifiable.” Mineral County will be designated in Round 4.
- During the FY18, DAQ reviewed, replicated, and approved air dispersion modeling to assess impacts for five facilities as part of the application process for Prevention of Significant Deterioration (PSD) permits.
- DAQ collected emission inventory data for calendar year 2017 from 163 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 25, 2018.
- In June 2018, DAQ finalized six legislative rules that were approved during the 2018 Legislative Session. Three of these rules were submitted to the EPA in June 2018.
- In June 2018, DAQ proposed seven legislative rules for the 2019 Legislative Session, including the repeal of two legislative rules that are no longer necessary.
- Draft Clean Air Act Section 129/111(d) state plans were developed for Commercial and Solid Waste Incineration Units and Municipal Solid Waste Landfills.

Small Business Assistance Program (SBAP)

- Provided assistance to 115 small businesses (59 in depth, with 22 site visits).
- Produced and distributed 48 biennial Dry Cleaner Compliance Calendars.
- Produced four online posters outlining requirements for hazardous waste disposal for small businesses under the federal Resource Conservation and Recovery Act (RCRA).
- Assisted in development of DAQ Permitting Section’s general permits to be submitted through DEP’s Electronic Submission System.



Division of Mining & 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 2018, DMR accomplished:

APPLICATION TYPE	TOTAL	AFFECTED AREA
Surface Mining Application (SMA) Submitted	12	2,431
Surface Mining Permits Issued	9	3,731
Underground Mining Permits Issued	5	73
Other Mining Permits Issued	2	27
Quarry Permits Issued	1	10
Quarry Modification	6	47
Quarry Annual Bonding	71	
Amendments	6	483
Notices of Intent to Prospect	56	293
Withdrawn/Terminated/Denied Applications	56	
Incidental Boundary Revisions	167	-2,322
Permit Renewals	369	
Permit Revisions	415	
Permit Transfers/Merger/Ownership	326	
Operator Assignments	28	
Inactive Status	124	
Incremental Bonding	53	
NPDES Applications Approved	714	
Emergency Warning Plans	90	
Special Land Use	4	
Certification of Approval for Dam	10	

INSPECTION AND ENFORCEMENT	TOTAL	AFFECTED ACRES
Inspections	18,881	
Notices of Violation	806	
Conferences	234	
Phase 1 Permit Releases	12	910
Phase 2 Permit Releases	6	392
Phase 3 Permit Releases	46	2,469
Prospect Releases	69	
Incremental Releases	44	
Planting Plan Releases	11	
Cessation Orders	89	
Consent Orders	9	
Complaints Investigated	239	
Coal Mining (Art.3) Permits Revoked	3	
NPDES (Art. 11) Permits Revoked	-	
NPDES Permits Released	33	

DMR EXPLOSIVES AND BLASTING PROGRAM	FY18
Pre-Blast Surveys Accepted	820
Pre-Blast Surveyors Approved	7
Pre-Blast Surveyors Renewed	4
New Damage Claims Processed	5
Complaints Received	*
Complaints Received With Alleged Damage	16
Inspections	*
Violations Issued	*
Cessation Orders Issued	*
Total Exams	184
Total Initial Blasters	11
Total Renewals	111
Total Reciprocity	1

* These numbers included in the Inspection and Enforcement Section



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 2018, OOG accomplished:

- Reviewed, processed, and issued 831 well work permits; 539 of these were horizontal wells and 240 were plugging permits.
- Conducted 4,693 site inspections.
- Processed 139 complaints.
- Responded to 64 emergencies/spills.
- Issued 80 notices of violations.
- Plugged and/or reclaimed three abandoned wells/sites.
- Expended approximately \$70,118.63 from the Abandoned Well Reclamation Fund.
- Conducted 13 abandoned well inspections.
- Conducted 323 underground injection control (UIC) inspections.
- Reviewed and approved 46 UIC mechanical integrity tests. 14 of these were witnessed by OOG staff.

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

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 FY18, DWWM accomplished:

Environmental Enforcement

Dam Safety

- Reviewed 15 applications or proposals for dam construction, modification, or removal; reviewed 226 monitoring and emergency action plans; conducted 124 inspections of all types. Oversaw the removal of four dams and remediation to meet Dam Safety standards on two others.

Hazardous Waste

- Completed 534 inspections related to hazardous waste facilities; responded to 11 emergency response situations; investigated 22 citizen complaints related to hazardous materials.

Underground Storage Tanks

- Conducted 16 closure inspections, seven installation inspections, and 494 compliance monitoring inspections; investigated 21 citizen complaints.

Water and Waste

- Conducted 3,142 inspections of solid waste and water pollution control facilities; initiated 62 open dump cleanups; responded to 1,241 citizen complaints

Aboveground Storage Tanks

- Conducted 1,702 compliance monitoring inspections and investigated nine citizen complaints.



Leaking Aboveground/Underground Storage Tanks

- Due to an Agency reorganization on November 1, 2017, the Leaking Aboveground Storage Tank (LAST) Leaking Underground Storage Tank (LUST) Programs were transferred to the Division of Water and Waste Management from the Division of Land Restoration. The reorganization now allows for the administration of both prevention and remediation to be performed within the same division of WVDEP; streamlining processes and allowing for better service to the public and the regulated community. During the fiscal year, we provided oversight of the investigation and cleanup of 14 new LAST sites and 27 LUST sites, while completing investigations and closing the active files on 10 LASTs and 77 LUSTs.

Watershed Improvement Branch

- Awarded 35 grants, totaling \$2.5 million to partner agencies, local governments, watershed associations, nonprofit organizations, and universities for 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.
- Awarded 21 grants, totaling \$98,360 through the West Virginia Stream Partners Program.
- Committed to three In Lieu Fee projects, which, when completed, will provide approximately \$4.6 million in effected mitigation to replace, protect, and restore streams and wetlands.
- Through the WV Save Our Streams (SOS) Program, coordinated 17 streamside workshops for 314 people, 11 water festivals/outdoor classrooms for over 3,350 people, and two stream clean-ups.
- Through Project WET (Water Education for Teachers), 12 educator workshops were held, certifying 458 educators, one Wonders of Wetlands workshop certifying 14 teachers, and one 2.0 Sampler Workshop attended by 12 educators. Six Water Festivals were conducted for more than 1,370 students across the state.
- SOS and Project WET also participated in outreach events reaching over 3,000 people in West Virginia.

Permitting

- Issued 30 major and 85 minor individual permits, 61 permit modifications to industrial and municipal facilities, 1408 (729 general permit registrations and 679 stormwater), and 313 modifications (156 general registration and 157 stormwater) for a variety of facilities and activities. There were 82 (53 general permit six individuals and 23 stormwater) permits transferred during Fiscal Year 17.

Groundwater/UIC Program

- Issued 52 underground injection control permits, five modifications, transferred seven permits and inspected 288 underground injection control facilities. 36 Groundwater Protection Plans were reviewed and approved.

Hazardous Waste Operating Permits

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

Solid Waste

- Issued 17 municipal solid waste landfill permits; issued 611 minor permit modifications; and issued 15 Class D Construction/Demolition Landfill registrations.

Clean Water State Revolving Fund

- Disbursed more than \$44.6 million to communities for municipal sewer projects under construction; disbursed \$450,000 to nonpoint source pollution control projects; closed new loans on an additional 10 municipal construction projects, worth \$42.9 million; and have already issued nine preliminary binding commitment letters and/or loan agreements for additional projects, worth \$64.1 million.
- Approved four sets of plans and specifications; reviewed 19 Infrastructure and Jobs Development Council applications; and funded 30 new onsite systems through the Onsite Systems Loan Program.

Quality Assurance

- Received applications from 124 laboratories for certification; performed onsite inspections at 84 laboratories; and recertified/certified 121 laboratories.



Watershed Assessment Branch (TMDL)

- Total Maximum Daily Load Development: Collected 3,505* water quality samples from 733 sites on 538 streams, providing 45,017 individual parameter results. These samples are primarily from the Lower Guyandotte River Watershed, where pre-TMDL monitoring was focused for most of 2017. Monitoring wrapped up in the Twelvepole Creek, Big Sandy River, and Lower Ohio River watersheds which had been the focus in 2016.
- TMDL development for the Hughes River Watershed and the Monongahela River was completed during the summer of 2018 and final TMDL reports were submitted to the EPA. TMDL development for the Upper Guyandotte River Watershed is expected to be completed in early 2019, and is well underway for the Twelvepole Creek, Big Sandy River, and Lower Ohio River watersheds. TMDL development will soon start for the Lower Guyandotte River Watershed.
- Watershed Assessment/Long-term Monitoring Sites: collected water quality, habitat, and biological information from 127 targeted sites (including 10 done in duplicate for QA) - 49 sites considered Long-term Monitoring Sites and 78 other targeted samples.
- 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.
- Probabilistic Monitoring for the fourth five-year cycle was completed in July and August of 2017.
- Water quality continuous data loggers were deployed at 80 sites on 62 streams.
- Fish community data was collected at more than 47 sites. Sites were primarily collected outside of TMDL development areas to enhance data available for regional fish development.
- Benthic Macroinvertebrate Data: 541 samples were collected from 430 streams were collected in calendar year 2017.
- Lakes: In 2017, monitored 15 sites at seven lakes and collected 71 samples, with 1,091 individual parameter results. Field parameters were measured along depth profile at each site visit. In 2018, selected and monitored seven lakes, with approximately 10 sampling stations targeted. Data from the 2018 effort has not been entered into database, therefore, specific numbers are not yet available. Also, collected bathymetric and outfall flow data at several lakes in order to calculate residence times that are needed to determine if lakes nutrient criteria apply.

Water Quality Standards

- Proposed Triennial Review of Water Quality Standards rule 47 CSR 2. Proposed changes include harmonic mean flow, overlapping mixing zones, and updated human health criteria.
- Held public meetings to provide information and obtain input from citizens regarding proposed triennial Water Quality Standards revisions.
- Received EPA approval of the 2017 WV Legislative changes to §22-11-7b regarding harmonic mean and mixing zones.
- Received EPA approval of 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 allow for use of alternative restoration measures which will result in significant improvements to existing conditions in these waters during the variance period.
- Continued to implement selenium aquatic life criteria in NPDES permits as detailed in the document entitled West Virginia Selenium Chronic Aquatic Life Criteria Implementation.
- Participated in bimonthly State & EPA WQS Variance Working Group with the Association for Clean Water Administrators.
- Deployed continuous Dissolved Oxygen, pH and light monitoring sensors in the Greenbrier River to aid in algae impairment monitoring.
- Continued to monitor filamentous algae and nutrients in Greenbrier and Cacapon Rivers.



401 Certification Program

- Reviewed 218 Nationwide 404 permits, of which 65 were for Division of Highways projects.
- Issued 16 individual 401 Water Quality Certifications, zero denials, and 10 waivers in accordance with US Army Corps of Engineer's Section 404 of the Clean Water Act
- Issued two individual 401 Water Quality Certifications for hydro-electric power projects in accordance with FERC licensing requirements.
- Reviewed and approved 15 Corps-issued Letters of Permission.
- Reviewed various Mitigation Bank documents including prospectus, instrument, mitigation plans, monitoring plans, modifications, etc.
- Worked in conjunction with US Army Corps of Engineers and CPA on two non-compliance projects.
- Issued two State Waters Permits.
- Reissued the Regional General Permit for Abandoned Mine Lands within the State of West Virginia.
- Reissued State 401 Water Quality Certification for Regional General Permit (RGP) for Stream Activities to be performed by the West Virginia Conservation Agency (WVCA)

Water Use Section

- The Water Use Section completed the West Virginia Water Resources Management Plan as required by the 2008 Water Resources Protection and Management Act (W.Va. Code §22-26-1 et seq). The plan and its companion reports were adopted by the West Virginia Legislature on June 6th, 2014. This plan details past flooding and drought in the state, examines water infrastructure needs, describes the need for continued stream gaging and includes projections of future water use.
- Completion of the Water Resources Management Plan was an important water management step taken by the Legislature and it marks a major milestone in water resource protection and management in the state. Not only can West Virginians benefit from its data, but those outside the state's borders are encouraged to make use of the information included in the Plan, as well as the expertise developed by the agency staff in its compilation. Water is essential to both life and West Virginia's economy. It will forever increase in value. That's why wise management of the state's water resources is so important. The Water Use Section is now implementing the Plan.

Current Projects:

- West Virginia Water Resources Management Plan Implementation
- Arc View GIS Internet Based Water Information Tool / Water Withdraw Tool
- Large Quantity Water Users Survey / Consumptive Water Use Study
- Water Management Plans for Horizontal Wells
- Geophysical Well Logging - Ground Water Aquifer Study
- Mine Pool Study – Location, Quantity, Quality and Sustainability
- Aboveground Storage Tanks ZCC, ZPC and SWPA's
- Member of the West Virginia Water Gaging Council



Water Management Plans for Horizontal Well Operations:

- Received and reviewed 518 individual water management plans.
- 67 new pad-level plans were created, along with the review and approval of 106 Water Management Plan modifications, all relating to the withdrawal of surface and groundwater used in horizontal well drilling operations.

Large Quantity Users (LQU) Survey:

The West Virginia Water Resources Protection and Management Act identified the need for the protection and conservation of our states water resources. It recognizes that a comprehensive assessment of the availability and use of our states 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 to produce more useful reports. Since abandoning the out-of-date paper survey and utilizing the DEP Electronic Submission System for LQU's reports, the process has proven to be efficient, easy to use, and well received by the LQU community.

Large Quantity Water User Inspections / Survey:

From December 2017 through June 2018, field inspection surveys were on businesses in the state that have the potential to withdraw over 300,000 gallons of water from surface and/or groundwater sources within a 30-day period, making them qualify for registration as a Large Quantity User of state waters. Over 40 facilities were visited to verify proper registration. The sites inspected fell within the following water use categories:

- Thermoelectric
- Timber
- Oil and Gas
- Chemical
- Recreation
- Agriculture
- Industrial
- Mining
- Public Water

The main purpose of the inspections/surveys was to gather information from large quantity water users as it relates to percentage of consumptive use or loss of water withdrawn within their systems. Facilities were found to have anywhere from 100 percent consumptive use/loss to lower than 1 percent depending on the type of business and associated processes. Additional information was gathered as it relates to water use and the many different types of businesses that operate across the state that qualify as Large Quantity Water Users. All information found was submitted to the Water Use section of WVDEP for further analysis.

Geophysical Groundwater Well Logging:

- 84 logs were logged for a project total of 57 (year four of a five-year study).



Restoring the Environment

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 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 FY18, OER accomplished:

Brownfields Assistance Program

- Created and distributed citizens' guides and handouts which provide an easy understanding of the brownfield assessment and remediation process.
- Provided free guidance and technical assistance to various stakeholders to assist with the assessment, cleanup, and redevelopment of brownfields. Specific services included reviewing and explaining environmental reports; providing technical and program guidance to assess and remediate sites; educating stakeholders and conducting community outreach; and identifying potential funding sources for assessment and remediation.
- Administered environmental site assessments at 10 brownfield properties to determine presence and levels of contamination and ultimately return the properties back to productive use.
- Collaborated with EPA and West Virginia communities to assess five sites through the Targeted Brownfields Assessment Program and ultimately prepare the sites for redevelopment. These sites include the Hampshire Memorial Hospital in Romney, the Hinton Ice House in Hinton, the Housing Authority of Mingo County, the Mount Hope Rail Trail in Mount Hope, and the Robrecht Property in Wheeling.

CERCLA Program

Supported EPA Region 3 and represented the state's interests and priorities on actions at 10 Superfund National Priority List sites.

These sites include:

1. Allegany Ballistics Laboratory in Rocket Center
2. Big John Salvage—Hoult Road in Fairmont
3. Fike Chemical in Nitro
4. Hanlin-Allied-Olin in Moundsville
5. North 25th Street Glass and Zinc in Clarksburg
6. Ordnance Works Disposal Areas in Morgantown
7. Ravenswood PCE in Ravenswood
8. Sharon Steel Corp. (Fairmont Coke Works) in Fairmont
9. Vienna Tetrachloroethene in Vienna
10. West Virginia Ordnance in Point Pleasant.

Assisted EPA On-Scene Coordinators with remedial activities at four sites in West Virginia.

These sites include:

1. Coyne Textile Project,
2. the Monsanto Kanawha River Project,
3. the Route 2 PCE Site
4. the W&G Electroplating Project.

Supported EPA Region 3 and represented the state's interests and priorities at two sites of concern with site discovery and assessment activities.

These sites include:

1. the Paden City site in Paden City
2. the Shaffer Equipment Company/Arbuckle Creek Area site in Minden.

Conducted site assessment activities at four priority hazardous substances sites throughout the state. OER continues to work from a growing workshare list with EPA that includes 40 sites to be assessed. In addition to the workshare sites, there are several hundred sites in the Superfund Enterprise Management System (SEMS) database that need to be reviewed for closure or further remedial action under CERCLA.



Federal Facilities Program

Collaborated with the Department of Defense in the remedial activities for Formerly Used Defense Sites (FUDS) and Military Munitions Response Program (MMRP) sites. OER works with the U.S. Army, U.S. Army Corps of Engineers, U.S. Army National Guard, and U.S. Navy to remediate sites through a cooperative agreement.

Sites include:

- Allegany Ballistics Laboratory
- Camp Dawson KD Range
- Dolly Sods Maneuver Area
- Shepherd Field Air National Guard Base
- Yeager Field Air National Guard Base
- West Virginia Ordnance Works

UECA-LUST Program

- Accepted eight leaking underground storage tanks (LUST) sites to participate in the Uniform Environmental Covenants Act (UECA) Program.
- Issued four No Further Action letters to sites which successfully completed risk-based remediation.

Voluntary Remediation Program

- Created and distributed citizens' guides and handouts which provide an easy understanding of the Voluntary Remediation Program.
- Accepted 10 new applications for properties to participate in the Voluntary Remediation Program. These new sites are located in Brooke, Hancock, Kanawha, Logan, Marshall, Preston, Summers, and Upshur Counties.
- Issued 18 Certificates of Completion for 841.37 remediated acres of land ready for reuse. Cumulatively, 181 Certificates of Completion have been issued for 2,525.52 remediated acres of land. Sites receiving a Certificate of Completion include the Proctor & Gamble Company site in Tabler Station, WV, which will add 900 new jobs to the area, and the Former Kodak Plant site in Kearneysville, WV, which was purchased by a redeveloper the same day the Certificate of Completion was issued by WVDEP.

Long-Term Monitoring of Institutional Controls

- Received and processed 1,247 notifications of excavation from WV811 to monitor sites with established environmental controls that contain activity and use limitations and/or engineering controls.

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 FY18, the OSR accomplished:

- Provided quarterly progress reports to the Special Reclamation Fund Advisory Council, which met four times.
- Monitored water quality on 42 permits for acid mine drainage determination (AMD) and design purposes.
- Performed 4,163 land and water inspections and 570 construction inspections.
- Issued 11 water reclamation purchase orders, totaling approximately \$18 million.
- Had four permits in the retrofit reclamation process.
- Completed two retrofit projects that will allow OSR to meet more stringent national pollutant discharge elimination system (NPDES) limits.
- Completed land reclamation on 11 permits.
- Reclaimed approximately 115 acres.
- Constructed one water treatment system (began construction on 12 permits).
- Completed design of 10 projects using outside consulting firms.
- Obtained a variance to water quality standards within certain tributaries of Sandy Creek and Muddy Creek through the legislative process; and was signed by the Governor on June 7, 2016. This provides OSR the opportunity to treat in-stream, under an NPDES permit instead of at-source, and discharging compliant water into dead streams. The variance for the Sandy Creek tributaries was approved by the EPA on February 2, 2018. This will lead to the restoration of 9.2 miles of Little Sandy Creek and five miles of Sandy Creek.



- Completed 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. There will be a ribbon-cutting/start-up ceremony in spring of 2019.
- Began construction of first non-point source treatment method with the Glade Run in-stream doser to compliment the Muddy Creek Restoration project.
- Continued the cost-share partnership with Southwest Energy (SWN) to complete construction of a pipeline which will convey 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. We have collected the \$2.5 million SWN agreed to pay for construction of the pipeline. Of the \$375,000 SWN further pledged toward operation and maintenance for the next five years, the first payment of \$331,515.00 has been received.
- Continued the partnership with the Land Stewardship Corp., for the management of design, and construction, of seven OSR projects.
- Completed work on aluminum filter study at DLM for alternate and/or more efficient aluminum treatment methods in order to meet more stringent limits for trout streams.
- Hired in-house surveyor and purchased equipment for prompt reporting to engineering staff so projects are not delayed.
- Now have three licensed drone pilots for aerial mapping and photography, operating two drones.

Abandoned Mine Lands

DLR's Office of Abandoned Mine Lands and Restoration (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 FY18, AML accomplished:

PLANNING	
AMD Water Treatment	202,272.90 gallons, on 12 projects
Clogged Streams	1.11 miles
Dangerous Highwalls	6,000 feet
Dangerous Impoundments/Portals	85
Dangerous Piles and Embankments	6 acres
Subsidence	5.95 acres
Dangerous Slides	16.51 acres
Vertical Openings	2
Equipment/Facilities	3
Industrial/Residential Waste	0.35
Surface Burning	17.5 acres
Underground Mine Fires	5 acres
Bench	2.5 acres

Planning accomplishments:

- Sent 28 Environmental Assessments to OSMRE for Authorization to Proceed with projects.
- Submitted, completed and incorporated into the National Enhanced Abandoned Mine Lands Inventory System (eAMLIS) 77 Problem Areas (PADs)

Design accomplishments:

- Completed seven projects by the Northern section: six In-House, 1 Consultant Design.
- Completed six In-House projects and two Contract-consulting firms.



Waterlines:

- Completed four projects serving 595 customers.
- Awarded four projects serving 11 customers.
- Completed Exploratory Right of Entry on 16 Regular grant projects.
- Completed Construction Right of Entry on 20 Regular grant projects.
- Completed Exploratory Right of Entry on three Emergency projects
- Completed Construction Right of Entry on 30 Emergency projects.
- Completed Construction Right of Entry on three Maintenance projects.

Supporting Offices

Office of Environmental Advocate

The Office of Environmental Advocate 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 FY18, OEA accomplished:

- Consolidated OEA staff to the Charleston office to better serve the public.
- Welcomed the Rehabilitation and Environmental Action Plan (REAP) program into the OEA.
- Created the Deputy Environmental Advocate position to assist in managing the REAP and Youth Environmental Program.
- Continued to participate with government and non-government stakeholder-based workgroups to address state and regional environmental concerns.
- Continued assistance to citizens and environmental groups by providing technical assistance and clarification of DEP regulations and policies.
- Organized and facilitated meetings between the Cabinet Secretary and concerned citizens regarding water quality management and protection related to major gas pipeline construction.
- Continued to participate in a multi-state natural gas pipeline coordination process.
- Participated on the DEP Pipeline Team in coordinating permitting of large natural gas pipeline projects.
- Coordinated with citizen environmental groups regarding gas pipe line infrastructure permitting and construction oversight.
- Led the revamping of the citizen complaint response and tracking system.
- Delivered DEP presentations to civic, and environmental organizations and community groups, and the West Virginia Youth Conservation Camp.
- Presented OEA topics to the DEP Advanced Leadership program.
- Continued to participate in statewide multi-agency flood planning meetings.
- Coordinated information gathering during site visits for citizens to coal mine operations with NPDES and Article 3 new permit and existing permit renewal applications.
- Organized and directed public outreach and environmental education efforts.
- Assisted in multiple public inquires to the DEA regarding environmental concerns.



Rehabilitation Environmental Action Plan (REAP)

The OEA's Rehabilitation Environmental Action Plan – The Next Generation works to make West Virginia the cleanest state in the nation. Pollution Prevention and Open Dump, Make-It-Shine, Adopt-A-Highway/Adopt-A-Spot, 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 control location to learn about and participate in volunteer cleanup initiatives.

For FY18, REAP accomplished:

	PPOD	AAH/AAS	WVMIS	OPERATION WILDFLOWER	RECYCLING	REAP TOTAL
Dumps eradicated	1,032		35			1,067
Acres reclaimed	612		11			623
Miles roadway cleaned		2,264	245			2,509
Miles stream cleaned	108		116			224
Acres park cleaned			330			330
Miles trail cleaned			41			41
Active AAH groups		574				574
OWF plots				72		72
Tons litter/waste collected	2,729	218	111			3,058
Tons scrap recycled	1		34.80			36
Appliances recycled	68		121			189
Waste tires collected	144,350		1402			145,752
Tons plastic recycled		2.73				3
Tons glass recycled		0.67				1
Tons aluminum recycled		7.40	0.30			8
Tons paper recycled (tons)					228	228
Volunteers participating	1,306	7,798	4885			13,989
Recycling Grants Awarded					23	\$1,259,811.69
CED Grants Awarded					11	\$96,903.25
Litter Control Grants					18	\$48,268.68
Recycling Bin Loan Program					0	0.00

Youth Environmental Program

The Youth Environmental Program's mission is to create an environmental awareness in West Virginia's young people. The program works toward that goal by encouraging youth groups such as 4-H clubs, scouts and school organizations to participate in environmental projects that benefit not only their community, but also the Mountain State as a whole. There are more than 900 youth groups across the state enrolled in the YEP. The YEP also sponsors state Junior Conservation Camp, Youth Environmental Day and the state Youth Environmental Conference and presents more than \$15,000 in cash awards annually.

For FY18, the Youth Environmental Program:

- Had 962 Clubs enrolled represented by 107,834 members
- Had volunteers log a total of 35,348 volunteer hours
- Contributed \$853,301 total dollar amount through volunteering (based from the Independent Sector's estimated value of a volunteer hour)



Business Operations Office

The Business and Technology Offices were reorganized this year, elevating the Information Technology (IRIS) and Human Resources (HR) components to report directly to the Cabinet Secretary. This left the Business Operations Office (BOO), IRIS and HR as standalone entities.

Together these offices still provide financial, personnel, procurement, information technology, and property management services to all of DEP's program offices.

During FY18, BOO accomplished:

- Nearly \$50 million in procurement activity.
- Advertised and awarded 48 exempt reclamation construction contracts.
- Reduced the space needs in the Kanawha City Headquarters by 3,900 square feet which will result in a cost savings to the DEP of more than \$130,000 annually.
- Closed the French Creek Office.
- Collaborated with wvOASIS to develop and implement a state-wide user group.
- Upgraded reporting software to SAP reducing overall costs for payroll reporting and improving efficiency.
- Sought and received a grant to build a bridge across Deckers Creek.
- Continuation of agency investment strategy resulted in more than \$12 million in investment earnings.

Human Resources

Human Resources (HR) manages all employment matters for the DEP. Two units within the division manage pre-hire matters (recruiting, interviewing, assessment and offers of employment) and post-hire (transaction processing, time and attendance, benefits, disciplinary matters, training and succession planning).

During FY18, HR accomplished:

- Improved efficiency by replacing paper-based processes with electronic files.
- Processed 175 job postings.
- Received 725 applications.
- Processed 594 transactions.
- Assisted with two division reorganizations.
- Completed 445 Profiles Assessments.
- Implemented a new and more efficient off-boarding process.
- Created a complaint system and updated the grievance process information provided to DEP employees.
- Conducted harassment training.
- Closed 17 disciplinary issues including seven terminations, one resignation, two suspensions, and five written reprimands.

Information Technology (IRIS)

The Information Technology Support Office (IRIS) develops and implements applications needed by the divisions and offices of the DEP. Our applications are designed to support the DEP vision and mission.

During FY18, IRIS accomplished:

- Network and wi-fi replacement in three offices.
- Hired a new IT manager and four other IT staff.
- Received ESS CHROMERR approval.
- Secured and installed new file servers in file locations.
- Supported DEP software systems and projects.



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, as well as multimedia projects, and facilitating responses to Freedom of Information Act requests.

During FY18, the PIO accomplished:

- Researched, composed and published 69 press releases regarding agency dealings and regulatory actions.
- Facilitated 13 public meetings across the state, including Berkeley Springs, Dunmore, Pine Grove, and West Union.
- Sent out over 230 Public Notices using the ListServe program, assisting divisions within DEP.
- Processed and tracked 1,488 Freedom of Information Act (FOIA) requests since Jan. 1, 2017.
- Scheduled and taught FOIA trainings at the DEP's Charleston Headquarters and several of the field offices throughout the state.
- Was the "Master of Ceremonies" at the 2017 Employee Appreciation Picnic in September 2017. Employees received certificates for the years of service they worked for the state. The certificates were presented for each five-year benchmark.
- Handled the Contact Us requests generated from the website; on average, there were about 20 requests per week. Inquiries ranged in topics from requesting information about agency documents and actions to reporting environmental violations.
- Grew DEP's social media presence. We gained 404 Twitter followers in FY 18 and combined the various agency Facebook pages into one agency page, www.facebook.com/depwv.
- The Environment Matters YouTube Channel had 28,768 views; up 99.27 percent from the previous 12-month period. Videos were shared 276 times, up 106 percent. There were 142 new subscribers to the channel, up 84 percent. Videos were watched in the U.S. and 13 other countries, including Canada, the United Kingdom, Australia and India. DEP produced 11 shows airing on West Virginia Public Broadcasting and on WVPB's West Virginia Channel.
- In June, held the agency's Annual Environmental Awards. Businesses, organizations, and citizens are recognized for their performance of environmental excellence. Ann Urling, Deputy Chief of Staff in the Governor's Office, read the proclamation from Governor Justice.
- Downloaded notices of appeal, certified records and orders to the board's website.

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 FY18, OLS accomplished:

- Successfully defended a registration under the WVDEP's general water pollution control permit for discharges of stormwater associated with construction activities on Mountaineer Gas Company's Eastern Panhandle Expansion Project, a pipeline designed for intra-state natural gas distribution. The appellants advanced several claims related to the general stormwater construction permit, which had been approved months before and for which the appeal period had already passed. OLS also succeeded in having several of the appellants' related claims dismissed based on the argument that there was nothing in West Virginia law that would support reversal of the permit based on the appellants' concerns.
- Prevailed in a challenge to the Mountain Valley Pipeline's intended crossing of the Greenbrier River against a claim that the permit violated the Natural Streams Preservation Act and West Virginia water quality rules. The Environmental Quality Board granted OLS' motion for judgment as a matter of law and held that the agency followed the requirements of the NSPA. The EQB also held that the WVDEP correctly discerned that the appellants had not presented evidence that sustained a claim that the pipeline activities were likely to cause a violation of West Virginia water quality standards or interfere with the provision of potable water to residents served by the Big Bend Public Service District.
- Successfully defended WVDEP before the Environmental Quality Board in *Rhule v. WVDEP and Antero Treatment LLC*. Pro se appellant and citizens' group appealed the issuance of a permit for the operation of a wastewater treatment facility near Greenwood in Doddridge County. The appeal was settled as to the citizens' group and dismissed for lack of standing as to the pro se appellant.
- Successfully defended WVDEP before the Air Quality Board in *Ohio Valley Jobs Alliance v. WVDEP and ESC Harrison County Power LLC*. The OVJA, a purported citizens' group, appealed the issuance of a permit for the operation of a natural gas-powered power plant near Clarksburg in Harrison County. The appeal was dismissed for lack of standing.



- Successfully defended multiple appeals of WVDEP Environmental Enforcement's assessments of civil administrative penalties against operators violating the terms and conditions of their permits.
- Filed joint complaint with EPA and Department of Justice against CSX Transportation for discharge of pollutants into Armstrong Creek and the Kanawha River after a CSX train derailment. Per the resulting consent decree, WVDEP is to receive a \$1,000,000 and CSX is to undertake a \$500,000 Supplementary Environmental Project.
- Continued litigation before the Court of Claims in *Hardman v. WVDEP*. Landowner alleges damage to property caused by improper maintenance of a drainage system installed in a prior WVDEP surface mining reclamation project near Stonewood in Harrison County.
- Favorable decision in Calhoun County Circuit Court involving violations at an underground storage tank site owned by James Giar. The WVDEP was awarded \$70,895.00 in total for unpaid tank registration fees and civil penalties.
- Favorable decision in Kanawha County Magistrate Court for hazardous waste emergency response reimbursement for cost of cleanup. The WVDEP was awarded \$2,173.80 against Bryan Cyrus for drums containing hazardous waste at his site.

Economic Development Director and Ombudsman

The Economic Development Director and Ombudsman, formerly the Small Business Office, is the liaison between the small business community, DEP program offices, and other government entities. The Ombudsman assists small businesses throughout the state understand and comply with existing and pending state and federal environmental rules, enhance the environment, and prosper in West Virginia.

During FY18, the Economic Development Director accomplished:

- Assisted approximately 200 businesses (including small businesses to larger 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.
- Participated, assisted, and worked with a variety of businesses and organizations, many specializing in Economic Development, within the state, including: the WV Department of Commerce, Development Office (domestic and international), the WV Small Business Development Centers, West Virginia Economic Development Authority, EPA, US Small Business Administration, Marshall University, West Virginia University, West Virginia Manufacturing Extension Partnership, Technology Park, U.S. Geological Survey, U.S. Forest Service, and many other entities.
- 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.
- 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.



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 rendered by the Division of Air Quality. Citizens and the regulated community 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; Robert C. Orndorff, Jr.
- During FY18, the AQB accomplished:
- Filed two appeals and retired three orders.
- Held two administrative meetings and four evidentiary hearings.
- Downloaded notices of appeal, certified records and orders to the board's website.

Environmental Quality Board

The Environmental Quality Board is a quasi-judicial body responsible for hearing appeals regarding the issuance or denial of permits, permit conditions, or enforcement decisions rendered by the Division of Water and Waste Management. Citizens and the regulated community file appeals with the board.

Board members:

- Edward M. Snyder, Ph.D., chairman; Charles C. Somerville, Ph.D., vice chairman; William H. Gillespie; Marybeth Winters, P.E.

During FY18, the EQB accomplished:

- Filed 15 appeals and entered 10 orders.
- Held nine appeal hearings, three administrative meetings, and met three times for deliberations.
- 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) 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. The OGCC also 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.

Commission members:

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

During FY18, the OOGC accomplished:

- Approved 42 deep wells;
- Held 16 administrative hearings;
- Collected \$189,255.28 in leased acreage taxes.



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 DEP's Cabinet Secretary. 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 FY18, SMB accomplished:

- Filed seven appeals
- Met five days
- Entered five 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.

- During FY18, the SWMB accomplished:
- Met 12 times, evaluated and approved seven Commercial Solid Waste Facility Siting Plans and seven Comprehensive Litter and Solid Waste Control Plans, met or contacted 50 local solid waste authorities (SWA's) and municipalities to conduct program reviews, provide technical, financial and business assistance, promoted recycling, market development and planning functions.
- Distributed \$1.3 million in solid waste assessment fees to 50 local and regional solid waste authorities; awarded \$352,712 in grant funds to 39 local SWA's for a variety of improvement projects, including landfill and recycling processing equipment, financial examinations, educational training and certifications.
- Completed 28 quarterly performance measures, three biennial performance reviews on SWA's operating commercial solid waste facilities to gauge productivity, and determined effectiveness and efficiency of facility operations and identified serious impairments. The SWMB continued to supersede the Nicholas County Solid Waste Authority due to impairments identified.



2017-18 DEP Annual Report Financial Statement

DISBURSEMENT OF FUNDS BY FUNDING SOURCE - FISCAL YEAR 2018

GENERAL REVENUE:	
Personal Services and Benefits	3,635,802
Other	109,778
Meth Lab Cleanup	100,989
Dam Safety Fund	152,864
WV Stream Partners Program	77,396
WV Contributions to River Commissions	148,485
OWR Non-Enforcement (TMDL)	890,265
Water Resources Protection and Management	552,859
Environmental Quality Board (0311)	42,324
Air Quality Board (0325)	75,660
Total General Revenue Funds Disbursed	5,786,422
FEDERAL FUNDING:	
Personal Services and Benefits	19,466,070
Reclamation	16,690,797
Grants/Loans	37,534,299
Fund Transfer	19,940,611.00
Other	7,870,454.00
Total Federal Funds Disbursed	101,502,231
SPECIAL REVENUE-APPROPRIATED:	
Personal Services and Benefits	15,240,113
Grants/Loans	6,012,194
Reclamation	2,294,847
Other	8,102,891
Fund Transfers	40,000
Statutory Transfers (Intra-Agency)	20,568,371
Statutory Transfers (Inter-Agency)	173,881
Total Appropriated Special Revenue Funds	52,432,297
SPECIAL REVENUE-NON APPROPRIATED:	
Personal Services and Benefits	13,660,276
Grants/Loans	46,433,052
Reclamation	18,426,742
Other	12,394,902
Total Non Appropriated Special Revenue Funds	90,914,972

TOTAL FUNDS DISBURSED 250,635,922

DISBURSEMENT OF FUNDS BY DIVISION/OFFICE - FISCAL YEAR 2018

EXECUTIVE; BUSINESS-TECHNOLOGY OFFICE; LEGAL; REAP:	
Personal Services and Benefits	8,541,416
Grants/Loans	2,033,988
Reclamation	910,820
Fund Transfers	40,000
Statutory Transfers (Inter-Agency)	290,000
Other	3,414,827
Total Disbursements	15,231,051
Office of Oil and Gas	
Personal Services and Benefits	2,665,787
Reclamation	70,513
Other	563,924
Total Disbursements	3,300,224
MINING & RECLAMATION:	
Personal Services and Benefits	12,439,760
Grants/Loans	2,994,774
Statutory Transfers (Inter-Agency)	173,880
Other	3,859,894
Total Disbursements	19,468,308
AIR QUALITY:	
Personal Services and Benefits	6,147,918
Other	1,344,345
Total Disbursements	7,492,263
LAND RESTORATION:	
Personal Services and Benefits	7,984,017
Grants/Loans	245,878
Statutory Transfers (Intra-Agency)	20,278,370
Fund Transfers	19,940,611
Reclamation	53,018,116
Other	9,560,912
Total Disbursements	111,027,904
WATER AND WASTE MANAGEMENT:	
Personal Services and Benefits	8,683,569
Grants/Loans	26,699,259
Reclamation	43,562,685
Other	4,659,718
Total Disbursements	83,605,231
ENVIRONMENTAL ENFORCEMENT:	
Personal Services and Benefits	5,747,677
Other	2,272,420
Total Disbursements	8,020,097
AIR QUALITY BOARD	
Personal Services and Benefits	54,285
Other	21,374
Total Disbursements	75,659
ENVIRONMENTAL QUALITY BOARD	
Personal Services and Benefits	75,492
Other	68,994
Total Disbursements	144,486
SOLID WASTE MANAGEMENT BOARD	
Personal Services and Benefits	605,147
Other	1,440,264
Total Disbursements	2,045,411
OIL & GAS CONSERVATION COMMISSION	
Personal Services and Benefits	145,846
Other	79,442
Total Disbursements	225,288

TOTAL DISBURSEMENTS 250,635,922



STATEMENT OF RECEIPTS AND DISBURSEMENTS- FISCAL YEAR 2018

FUND 3004 - ABOVE GROUND STORAGE TANK ADMINISTRATIVE FUND

Beginning Cash at July 1, 2017	1,266,723
Revenues:	
Other Collections/Fees/Licenses	987,956
Fines & Penalties	39,241
Interest on Investments	14,940
TOTAL REVENUE	1,042,137
Expenditures:	
Personal Services and Benefits	484,799
Other	120,150
TOTAL EXPENDITURES	604,949
Ending Cash at June 30, 2018	1,703,911

FUND 3016 - PROTECT OUR WATER FUND

Beginning Cash at July 1, 2017	777,273
Revenues:	
Other Collections/Fees/Licenses	456,340
Interest on Investments	9,932
TOTAL REVENUE	466,272
Expenditures:	
Personal Services and Benefits	23,217
Other	2,226
TOTAL EXPENDITURES	25,443
Ending Cash at June 30, 2018	1,218,102

FUND 3023 - HAZARDOUS WASTE MANAGEMENT FEE FUND

Beginning Cash at July 1, 2017	2,100,416
Revenues:	
Fees	667,475
Interest on Investments	23,440
TOTAL REVENUE	690,915
Expenditures:	
Personal Services and Benefits	600,840
Other	132,905
TOTAL EXPENDITURES	733,745
Ending Cash at June 30, 2018	2,057,586

FUND 3024 - AIR POLLUTION EDUCATION AND ENVIRONMENT FUND

Beginning Cash at July 1, 2017	1,434,524
Revenues:	
Fines and Penalties	324,700
TOTAL REVENUE	324,700
Expenditures:	
Personal Services and Benefits	374,628
Other	299,228
TOTAL EXPENDITURES	673,856
Ending Cash at June 30, 2018	1,085,368

FUND 3206 - THE DAM SAFETY FUND

Beginning Cash at July 1, 2017	504,840
Revenues:	
Permits	10,150
Interest on Investments	5,227
Other Collections/Fees/Licenses	13,265
TOTAL REVENUE	28,642
Expenditures:	
Personal Services and Benefits	92,016
Other	19,455
TOTAL EXPENDITURES	111,471
Ending Cash at June 30, 2018	422,011

FUND 3217 - LEAKING UNDERGROUND STORAGE TANK RESPONSE FUND

Beginning Cash at July 1, 2017	633,356
Revenues:	
Other Collections/Fees/Licenses	122,511
Interest on Investments	6,740
TOTAL REVENUE	129,251
Expenditures:	
Personal Services and Benefits	43,133
Other	51,515
TOTAL EXPENDITURES	94,648
Ending Cash at June 30, 2018	667,959

FUND 3218 - UNDERGROUND STORAGE TANK INSURANCE FUND

Beginning Cash at July 1, 2017	3,333,698
Expenditures:	
Personal Services and Benefits	12,195
Other	318,782
TOTAL EXPENDITURES	330,977
Ending Cash at June 30, 2018	3,002,721

FUND 3220 - GROUNDWATER PROTECTION FUND

Beginning Cash at July 1, 2017	3,245,877
Revenues:	
Fees	1,158,630
Interest on Investments	34,842
TOTAL REVENUE	1,193,472
Expenditures:	
Personal Services and Benefits	696,147
Other	558,886
TOTAL EXPENDITURES	1,255,033
Ending Cash at June 30, 2018	3,184,316

FUND 3222 - GROUNDWATER REMEDIATION FUND

Beginning Cash at July 1, 2017	743,768
Revenues:	
Interest on Investments	7,807
Fines and Penalties	13,000
TOTAL REVENUE	20,807
Expenditures:	
Personal Services and Benefits	24,142
Other	213
TOTAL EXPENDITURES	24,355
Ending Cash at June 30, 2018	740,220

FUND 3255 - PERFORMANCE BOND MONONGALIA CO. LANDFILL FUND

Beginning Cash at July 1, 2017	639,407
Revenues:	
Interest on Investments	9,347
TOTAL REVENUE	9,347
Ending Cash at June 30, 2018	648,754

FUND 3301 - OPERATOR PERMIT FEES FUND

Beginning Cash at July 1, 2017	2,323,881
Revenues:	
Other Collections/Fees/Licenses	1,981,742
Fines and Penalties	21,826
TOTAL REVENUE	2,003,568
Expenditures:	
Personal Services and Benefits	1,097,427
Other	679,768
TOTAL EXPENDITURES	1,777,195
Ending Cash at June 30, 2018	2,550,254

FUND 3310 - OIL AND GAS TRUST DEPOSIT FUND

Beginning Cash at July 1, 2017	103,203
Revenues:	
Interest on Investments	1,508
TOTAL REVENUE	1,508
Ending Cash at June 30, 2018	104,711

FUND 3312 - SPECIAL RECLAMATION WATER QUALITY FUND

Beginning Cash at July 1, 2017	2,181,675
Revenues:	
Royalty Income	160
Other Collections/Fees/Licenses	13
Gift-Donation (SWN)	2,212,999
Statutory Transfers (Intra-Agency)	18,578,371
TOTAL REVENUE	20,791,543
Expenditures:	
Personal Services and Benefits	1,826,951
Grants	245,879
Reclamation	17,329,449
Other	1,540,978
TOTAL EXPENDITURES	20,943,257
Ending Cash at June 30, 2018	2,029,961

FUND 3317 - SPECIAL RECLAMATION ADMINISTRATION FUND

Beginning Cash at July 1, 2017	459,565
Revenues:	
Fees	20
Statutory Transfers (Intra-Agency)	1,700,000
TOTAL REVENUE	1,700,020
Expenditures:	
Personal Services and Benefits	889,577
Other	689,296
TOTAL EXPENDITURES	1,578,873
Ending Cash at June 30, 2018	580,712



Financial Statement

STATEMENT OF RECEIPTS AND DISBURSEMENTS- FISCAL YEAR 2018

FUND 3321 - SPECIAL RECLAMATION TRUST FUND

BEGINNING CASH AT JULY 1, 2017	53,567,329
Revenues:	
Other Collections/Fees/Licenses	12,090,837
Interest on Investments	596,691
Fines and Penalties	716,346
Court Settlement Revenues	300,061
TOTAL REVENUE	13,703,935
Expenditures:	
Personal Services and Benefits	765,125
Statutory Transfers (Intra-Agency)	20,278,371
Reclamation	1,299,493
Other	233,073
TOTAL EXPENDITURES	22,576,062
Ending Cash at June 30, 2018	44,695,202

FUND 3322 - OIL AND GAS RECLAMATION TRUST

Beginning Cash at July 1, 2017	367,028
Revenues:	
Well Work Permit Fees	78,500
TOTAL REVENUE	78,500
Expenditures:	
Personal Services and Benefits	423
Reclamation	70,119
TOTAL EXPENDITURES	70,542
Ending Cash at June 30, 2018	374,986

FUND 3323 - OIL AND GAS OPERATING PERMITS

BEGINNING CASH AT JULY 1, 2017	3,017,818
Revenues:	
Fines & Penalties	32,325
Well Work Permit Fees	732,735
Horizontal Well Permit Fees	2,620,000
Other	12
TOTAL REVENUE	3,385,072
Expenditures:	
Personal Services and Benefits	2,465,363
Reclamation	395
Other	896,241
TOTAL EXPENDITURES	3,361,999
Ending Cash at June 30, 2018	3,040,891

FUND 3324 - MINING AND RECLAMATION OPERATIONS FUND

BEGINNING CASH AT JULY 1, 2017	5,474,035
Revenues:	
Other Collections/Fees/Licenses	1,890,712
Interest on Investments	55,256
Fines and Penalties	249,239
Court Settlement Revenues	432
TOTAL REVENUE	2,195,639
Expenditures:	
Personal Services and Benefits	2,107,201
Other	653,699
TOTAL EXPENDITURES	2,760,900
Ending Cash at June 30, 2018	4,908,774

FUND 3325 - UNDERGROUND STORAGE TANK ADMINISTRATIVE FUND

BEGINNING CASH AT JULY 1, 2017	496,929
Revenues:	
Fees/Permits	242,056
Interest on Investments	7,988
Fines and Penalties	49,205
TOTAL REVENUE	299,249
Expenditures:	
Personal Services and Benefits	210,669
Other	158,205
TOTAL EXPENDITURES	368,874
Ending Cash at June 30, 2018	427,304

FUND 3326 - HAZARDOUS WASTE MANAGEMENT HG1479 FUND

BEGINNING CASH AT JULY 1, 2017	885,645
Revenues:	
Other Collections/Fees/Licenses	10
Fines and Penalties	61,120
TOTAL REVENUE	61,130
Expenditures:	
Personal Services and Benefits	508,927
Other	22,828
TOTAL EXPENDITURES	531,755
Ending Cash at June 30, 2018	415,020

FUND 3327 - WATER QUALITY MANAGEMENT FUND

BEGINNING CASH AT JULY 1, 2017	44,702,879
Revenues:	
Departmental Fees	9,339,956
Fines and Penalties	933,497
Interest on Investments	-66,511
Court Settlement Revenues	253
TOTAL REVENUE	10,206,942
Expenditures:	
Personal Services and Benefits	5,184,227
Grants/Loans	996,175
Other	3,459,003
TOTAL EXPENDITURES	9,639,405
Ending Cash at June 30, 2018	45,270,416

FUND 3328 - CLOSURE COST ASSISTANCE FUND

BEGINNING CASH AT JULY 1, 2017	23,637,077
Revenues:	
Solid Waste Assessment Fees	7,432,540
Interest on Investments	79,370
TOTAL REVENUE	7,511,910
Expenditures:	
Personal Services and Benefits	1,023,384
Reclamation	1,097,293
Other	4,118,451
TOTAL EXPENDITURES	6,239,128
Ending Cash at June 30, 2018	24,909,859

FUND 3329 - WATER POLLUTION CONTROL REVOLVING FUND

BEGINNING CASH AT JULY 1, 2017	95,850,306
Revenues:	
Fees	44,928,085
Interest on Investments	1,063,105
Interest - Loans	2,841,433
Interagency Fed Payments	20,668,000
TOTAL REVENUE	9,500,623
Expenditures:	
Grants/Loans	45,019,645
TOTAL EXPENDITURES	45,019,645
Ending Cash at June 30, 2018	120,331,284

FUND 3331 - HAZARDOUS WASTE EMERGENCY AND RESPONSE FUND

BEGINNING CASH AT JULY 1, 2017	649,852
Revenues:	
Interest on Investments	5,434
Solid Waste Assessment Fees	554,513
Gain/Loss Sale or Disposition	9,400
Court Settlement Revenues	72,891
TOTAL REVENUE	642,238
Expenditures:	
Personal Services and Benefits	18,549
Reclamation	14,020
Other	433,215
TOTAL EXPENDITURES	465,784
Ending Cash at June 30, 2018	826,306



STATEMENT OF RECEIPTS AND DISBURSEMENTS- FISCAL YEAR 2018

FUND 3332 - SOLID WASTE RECLAMATION & ENVIRONMENTAL RESPONSE

BEGINNING CASH AT JULY 1, 2017	99,939
Revenues:	
Operating Funds Transfer	1,534,028
Solid Waste Assessment Fees	1,085,407
Fines and Penalties	49,715
TOTAL REVENUE	2,669,150
Expenditures:	
Personal Services and Benefits	455,070
Reclamation	900,820
Grants/Loans	278,580
Fund Transfer	40,000
Other	699,915
TOTAL EXPENDITURES	2,374,385
Ending Cash at June 30, 2018	394,704

FUND 3333 - SOLID WASTE ENFORCEMENT FUND

BEGINNING CASH AT JULY 1, 2017	8,950,503
Revenues:	
Operating Funds Transfer	40,000
Fines & Penalties	16,272
Solid Waste Assessment Fees	3,290,177
TOTAL REVENUE	3,346,449
Expenditures:	
Personal Services and Benefits	1,972,118
Statutory Transfers (Intra-Agency)	290,000
Other	812,786
TOTAL EXPENDITURES	3,074,904
Ending Cash at June 30, 2018	9,222,048

FUND 3336 - AIR POLLUTION CONTROL FUND

BEGINNING CASH AT JULY 1, 2017	4,567,355
Revenues:	
Fees	7,120,512
TOTAL REVENUE	7,120,512
Expenditures:	
Personal Services and Benefits	4,460,195
Other	1,360,633
TOTAL EXPENDITURES	5,820,828
Ending Cash at June 30, 2018	5,867,039

FUND 3337 - GIFTS AND DONATIONS FUND

BEGINNING CASH AT JULY 1, 2017	118,794
Revenues:	
Other Collections/Fees/Licenses	55
Gifts and Donations	58,994
TOTAL REVENUE	59,049
Expenditures:	
Other	59,165
TOTAL EXPENDITURES	59,165
Ending Cash at June 30, 2018	118,678

FUND 3340 - ENVIRONMENTAL LABORATORY CERTIFICATION FUND

BEGINNING CASH AT JULY 1, 2017	959,101
Revenues:	
Audit Fees	397,445
Interest on Investments	11,519
TOTAL REVENUE	408,964
Expenditures:	
Personal Services and Benefits	196,028
Other	166,006
TOTAL EXPENDITURES	362,034
Ending Cash at June 30, 2018	1,006,031

FUND 3342 - WATER POLLUTION REVOL FD - ADMIN FEES

BEGINNING CASH AT JULY 1, 2017	8,710,840
Revenues:	
Administrative Fees	3,222,948
Interest on Investments	107,559
TOTAL REVENUE	3,330,507
Expenditures:	
Personal Services and Benefits	1,378,310
Grant/Loans	171,353
Other	443,355
TOTAL EXPENDITURES	1,993,018
Ending Cash at June 30, 2018	10,048,329

FUND 3345 - SPECIAL RECLAMATION TAX CLEARING ACCOUNT

BEGINNING CASH AT JULY 1, 2017	2,528,024
Revenues:	
Interest on Investments	4,603
Coal Tonnage Fees	-296,679
TOTAL REVENUE	-292,076
Expenditures:	
TOTAL EXPENDITURES	0
Ending Cash at June 30, 2018	2,235,948

FUND 3347 - VOLUNTARY REMEDIATION ADMINISTRATIVE FUND

BEGINNING CASH AT JULY 1, 2017	1,282,927
Revenues:	
Other Collections/Fees/Licenses	539,881
Interest on Investments	15,079
TOTAL REVENUE	554,960
Expenditures:	
Personal Services and Benefits	138,442
Other	176,231
TOTAL EXPENDITURES	314,673
Ending Cash at June 30, 2018	1,523,214

FUND 3349 - STREAM RESTORATION FUND

BEGINNING CASH AT JULY 1, 2017	8,982,945
Revenues:	
Interest on Investments	67,922
Fines and Penalties	96,000
Other Collections/Fees/Licenses & Incm	96,637
TOTAL REVENUE	260,559
Expenditures:	
Grants/Loans	4,076,500
Other	184
TOTAL EXPENDITURES	4,076,684
Ending Cash at June 30, 2018	5,166,820

FUND 3480 COVERED ELECTRONIC DEVICES TAKEBACK FUND

BEGINNING CASH AT JULY 1, 2017	139,310
Revenues:	
Other Collections & Fees	36,100
Departmental Collections	102,000
TOTAL REVENUE	138,100
Expenditures:	
Other	89,367
TOTAL EXPENDITURES	89,367
Ending Cash at June 30, 2018	188,043

FUND 3484 - HIGHWAY LITTER CONTROL PROGRAM

BEGINNING CASH AT JULY 1, 2017	921,869
Revenues:	
Fees	375,000
TOTAL REVENUE	375,000
Expenditures:	
Personal Services and Benefits	228,660
Other	235,255
TOTAL EXPENDITURES	463,915
Ending Cash at June 30, 2018	832,954



Financial Statement

STATEMENT OF RECEIPTS AND DISBURSEMENTS- FISCAL YEAR 2018

FUND 3486 - LITTER CONTROL FUND

BEGINNING CASH AT JULY 1, 2017	73,671
Revenues:	
Other Collections-Fines & Fees	26,588
Prior Year Expiring Funds	19,610
TOTAL REVENUE	46,198
Expenditures:	
Grant /Loans	48,269
TOTAL EXPENDITURES	48,269
Ending Cash at June 30, 2018	71,600

3487 - RECYCLING ASSISTANCE FUND

BEGINNING CASH AT JULY 1, 2017	2,345,889
Revenues:	
Prior Year Expiring Funds	252,581
Solid Waste Assess Fees	2,218,051
TOTAL REVENUE	2,470,632
Expenditures:	
Grants/Loans	1,608,845
Personal Services & Benefits	333,802
Reclamation	10,000
Other	217,835
TOTAL EXPENDITURES	2,170,482
Ending Cash at June 30, 2018	2,646,039

FUND 3488 - SHILOH ENVIRONMENTAL AND LANDFILL TRUST

BEGINNING CASH AT JULY 1, 2017	294,791
Revenues:	
Interest on Investments	2,549
TOTAL REVENUE	2,549
Expenditures:	
Other	54,191
TOTAL EXPENDITURES	54,191
Ending Cash at June 30, 2018	243,149

FUND 3490 - MOUNTAIN TOP REMOVAL

BEGINNING CASH AT JULY 1, 2017	2,677,809
Revenues:	
Interest on Investments	23,620
Fees	724,817
TOTAL REVENUE	748,437
Expenditures:	
Personal Services and Benefits	529,109
Other	252,706
Transfers to Coalfield Development	173,881
TOTAL EXPENDITURES	955,696
Ending Cash at June 30, 2018	2,470,550

FUND 3492 - BOND POOLING FUND

BEGINNING CASH AT JULY 1, 2017	1,512,418
Revenues:	
Performance Bonds	88,063
TOTAL REVENUE	88,063
Expenditures:	
TOTAL EXPENDITURES	0
Ending Cash at June 30, 2018	1,600,481

FUND 3493 - QUARRY RECLAMATION FUND

BEGINNING CASH AT JULY 1, 2017	305,541
Revenues:	
Fines & Penalties	404
Interest on Investments	20,872
TOTAL REVENUE	21,276
Expenditures:	
TOTAL EXPENDITURES	0
Ending Cash at June 30, 2018	326,817

FUND 3494 - QUARRY INSPECTION AND ENFORCEMENT FUND

BEGINNING CASH AT JULY 1, 2017	108,383
Revenues:	
Interest on Investments	1,170
Operating Permit Fees	5,470
TOTAL REVENUE	6,640
Expenditures:	
Other	10,615
TOTAL EXPENDITURES	10,615
Ending Cash at June 30, 2018	104,408

FUND 3275 - SPECIAL REVENUE OPERATING FUND

BEGINNING CASH AT JULY 1, 2017	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, 2018	67,674

FUND 3287 - FACILITIES OPERATING EXPENSE FUND

BEGINNING CASH AT JULY 1, 2017	2,094,494
Expenditures:	
Other	(266,554)
TOTAL EXPENDITURES	(266,554)
Ending Cash at June 30, 2018	2,361,048

FUND 3288 - PLANNING FUND

BEGINNING CASH AT JULY 1, 2017	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
Other	1,706,818
TOTAL EXPENDITURES	2,311,965
Ending Cash at June 30, 2018	3,659,372

FUND 3371 -SPECIAL OIL AND GAS CONSERVATION FUND

BEGINNING CASH AT JULY 1, 2017	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
Ending Cash at June 30, 2018	1,026,225

FUND 8708 - FEDERAL FUNDS

BEGINNING CASH AT JULY 1, 2017	6,919,152
Revenues:	
Federal Grant Direct DOD	101,036,017
Prior Year Expiring Funds	-285,411
Fees & Miscellaneous	52,488
TOTAL REVENUE	100,803,094
Expenditures:	
Personal Services and Benefits	19,466,070
Reclamation	16,269,992
Grants/Loans	37,534,299
Fund Transfer	19,940,611
Other	7,834,983
TOTAL EXPENDITURES	101,045,955
Ending Cash at June 30, 2018	6,676,291

FUND 8796 - ACID MINE DRAINAGE ABATEMENT & TREATMENT FUND

BEGINNING CASH AT JULY 1, 2017	53,577,369
Revenues:	
Operating Funds Transfer	19,940,611
Fees	3,461
Interest on Investments	4,081,879
TOTAL REVENUE	24,025,951
Expenditures:	
Reclamation	420,805
Other	35,471
TOTAL EXPENDITURES	456,276
Ending Cash at June 30, 2018	77,147,044

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west virginia department of environmental protection