

**February 2019 Report to the Citizens Advisory Council**  
(New and updated information in italics)

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**DEP Highlights**

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**PFAS Update**

On September 21, the Governor announced several actions to address growing concerns about PFAS contamination. Through an Executive Order, the Governor established a multi-agency PFAS Action Team. The team, led by DEP, will be responsible for developing a comprehensive response to identify and eliminate the sources of PFAS contamination, address strategies to deliver safe drinking water, manage environmental contamination, explore funding for remediation efforts, and increase public education. The Commonwealth will prioritize the hiring of state toxicologists. The Governor also sent a letter to EPA Acting Administrator Wheeler to again urge EPA to move forward to establish MCLs for PFOA and PFOS. DEP believes that EPA must take a leadership role and work with other states and federal agencies to address PFAS in a holistic manner. Letters were also sent to PA's congressional delegation to request their support for proposed legislation that provides funding to states to test, address, monitor and remediate PFAS contamination. More information can be found on DEP's PFAS website: [www.dep.pa.gov/pfcs](http://www.dep.pa.gov/pfcs). DEP is coordinating with state agencies and commissions to gather geographical data on the use and storage of firefighting foam containing PFAS. This data will be included in a GIS mapping system which will help inform the Department's water sampling plan.

**PFAS Action Team**

*The Action Team held a public meeting at the Upper Dublin High School in Fort Washington on February 12. DEP Secretary and Action Team Chair, Patrick McDonnell, welcomed attendees and gave brief overview of the behind the scenes work that the state agencies are doing to advance the directives in executive order 2018-08. Included in this effort are regular data collection and sharing meetings, advancements to secure a state toxicologist, proposals for laboratory staff and equipment solely for PFAS testing, revised regulatory cleanup standards, and a state-wide drinking water sampling plan. Representatives from Aqua Pennsylvania, Horsham Township, and Horsham Water and Sewer Authority provided presentations on their role in managing PFAS contamination. Roughly twenty individuals provided remarks during the public comment portion of the meeting. DEP's comment period for public input on PFAS remains open through April 1, 2019.*

*(Editor's note: this is an agenda summary that was written and distributed prior to the February 12 meeting).*

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**Federal Regulations**

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**Recently Submitted DEP Comments**

**EPA and National Highway Traffic Safety Administration (NHTSA) Proposed Safer Affordable Fuel-Efficient (SAFE) Vehicle Rule for Model Years 2021-2026 Passenger Cars and Light Trucks**

*On January 30, 2019, DEP submitted a supplemental letter to our October 26, 2018 letter, stating that the agencies should include the analysis and findings of the Fourth National Climate Assessment released by the Trump Administration on November 23, 2018 in the analysis for the proposed rule. The SAFE rule seeks to*

*amend or establish new CO2 and fuel efficiency standards for new passenger cars and light duty trucks for model years 2021 – 2026 and freeze current CO2 standards at model year 2021 levels in calendar year 2021. The NHTSA / EPA proposed rule threatens the ability of states like Pennsylvania to continue to adopt the more protective California standards and seeks to remove the ability of California to set its own standard. Given the findings of the Assessment regarding realized and projected effects of climate change, and the existence of clear scientific evidence that the nation and states cannot afford to forego cost effective, technologically feasible emission reduction strategies for significant sources of GHGs, DEP reiterated its request that the agencies withdraw the SAFE rule, or at a minimum, provide a comment period of sufficient duration for all stakeholders to analyze and comment on the proposed rule as a de novo rulemaking.*

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## **Regulatory Update (detailed summaries included in respective program sections)**

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Please refer to the [DEP Rolling Regulatory Agenda](#) for the full Regulatory Update.

- Noncoal Mining Program Fees: Adopted by EQB as final on August 21, 2018. Submitted for IRRC consideration on October 18, 2018. Withdrawn from consideration to make clarifying amendments to the rule. Resubmitted to EQB for consideration. EQB adopted, as amended, on December 18, 2018.
- OSM Program Consistency: Adopted by EQB as proposed on May 16, 2018. Published as proposed on October 27, 2018, opening a 30-day public comment period. The public comment period closed on November 26, 2018. Three comments were received. IRRC comments were received on December 24, 2018.
- Air Quality Fee Schedule Amendments: Adopted by the EQB as proposed on December 18, 2018.
- Water Quality Management (WQM) and National Pollution Discharge Elimination System (NPDES) Permit Application Fees and Annual Fees: Adopted by the EQB as proposed on December 18, 2018.
- Additional Requirements for Fine Particulate Matter in the Nonattainment New Source Review Program: Adopted by the EQB as proposed on December 18, 2018.
- Water Quality Standards – Class A Stream Redesignations: Adopted by the EQB as proposed on December 18, 2018.

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## **Public Comment Periods**

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### **Proposals Open for Public Comment**

- Draft Soil and Sedimentation Control Manual for Agricultural Operations (Opened 1/5/2019, Closes 3/6/2019)
- PFAS Public Input (Opened 10/18/2018, Closes 4/1/2019)

### **Recently Closed Comment Periods**

- *Coastal Zone Management federal consistency - Sunoco Partners Marketing and Terminals dredging permit at Hog Island Wharf opened (Opened 1/19/2019, Closed 2/4/2019)*
- *Coastal Zone Management federal consistency - promulgation of Uniform National Discharge Standards for Vessels of the Armed Forces (Phase II Batch Two) (Opened 1/19/2019, Closed 2/4/2019)*

- *Coastal Zone Management federal consistency - Hueber Launch Services dredging permit and rip-rap bank stabilization along the Delaware River (Opened 1/19/2019, Closed 2/4/2019)*

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## **Communications Monthly Press Releases**

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### **Press Releases Issued**

**January 7** – Wolf Administration Announces State Investment to Reduce Water Pollution in Erie County

**January 8** – Wolf Administration Announces State Investment to Improve Water Quality in Lancaster County

**January 8** – Wolf Administration Announces State Investments for Stormwater Management in Delaware County

**January 9** – Wolf Administration Announces State Investment to Improve Trout Habitat in Venango County

**January 9** – Wolf Administration Announces State Investment in Mahantango Creek Brown to Green Watershed Project in Northumberland and Schuylkill Counties

**January 9** – ADVISORY – DEP to Announce New Farm Initiative and Highlight Water Quality Practices, Solar Energy, and Harrisburg Falcon Success

**January 10** – DEP to Build on Modernization and Efficiency Measures in 2019

**January 10** – Wolf Administration Announces State Investment in Westmoreland County’s Brush Creek Watershed

**January 10** – Wolf Administration Announces Grants to Bolster Watershed Restoration Workforce

**January 11** – Wolf Administration Announces State Investment to Improve Water Quality in Clarion County

**January 11** – Wolf Administration Announces State Investment to Leibert Creek Stabilization Project in Lehigh County

**January 11** – Wolf Administration Announces Public-Private Initiative to Promote Innovative Farming Practices for Health, Environmental, and Economic Benefits in Chesapeake Bay Watershed

**January 14** – Wolf Administration Announces State Investment in the Nancy Run Tributary Restoration Project in Northampton County

**January 14** – Wolf Administration Announces State Investment to the Cambria County Conservation District

**January 14** – ADVISORY – DEP to Host Public Meeting Regarding Greater Lebanon Refuse Authority’s Permit Modification Application

**January 16** – Wolf Administration Announces State Investment to Stabilize Streams in Canoe Camp Creek Watershed in Tioga County

**January 16** – Wolf Administration Announces Funding for Wetland Restoration Project at Eichhorn Middle School in Union County

**January 16** – Wolf Administration Announces State Investment along Saw Mill Run in Allegheny County

**January 22** – Wolf Administration Announces Driving PA Forward Grant Availability to Reduce Emissions

**January 24** – ADVISORY – DEP to Host Public Information Session on the Final Stages to Extinguish Jeansville Mine Fire on January 30, 2019

**January 24** – PFAS Action Team to Provide Updates on Upcoming Sampling Plan, Solicit Resident Feedback

**January 28** – ADVISORY – DEP to Host Second Information Session and Hearing for Specialty Granules' Proposed Northern Tract Quarry

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## **Active and Abandoned Mine Operations**

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### **Final Rulemakings**

#### **Noncoal Mining Program Fees**

The Noncoal Mining Program Fees rulemaking contemplates increases that are phased in via three two-year increments. After these phases, the fees would be adjusted using an index for employment costs. The proposed rulemaking was published in the PA Bulletin on February 3, 2018 for public comment through March 5, 2018. One public comment was received. IRRC provided comments on April 4, 2018, seeking clarification on increased fees not exceeding program costs, the exploration of alternatives to address small business impacts, the implementation of automatic fee increases with respect to the three-year review cycle, and the need for more information on the application of cost indices. The draft was discussed with the Aggregate Advisory Board on May 9, 2018. It was considered by EQB as a final-form rulemaking on August 21, 2018 and was adopted. The rule was planned for consideration by IRRC on October 18, 2018 but was withdrawn to add clarifying language to the rulemaking. The amended rulemaking was adopted by the EQB on December 18, 2018 and will be resubmitted to IRRC *for consideration during the first quarter of 2019*.

### **Proposed Rulemakings**

#### **OSM Program Consistency**

This proposed rulemaking would amend the coal mining regulations to achieve consistency with federal requirements. On April 6, 2017, the Mining and Reclamation Advisory Board (MRAB) recommended that the rulemaking should proceed to EQB as proposed. The EQB considered and adopted the proposed rulemaking at its May 16, 2018 meeting. The rule was published in the Pennsylvania Bulletin on October 27, 2018, opening a 30-day public comment period. The public comment period closed on November 26, 2018. IRRC comments were received on December 24, 2018. *The final rulemaking will be reviewed with the MRAB at the April meeting.*

#### **Water Supply Replacement**

The mining program is beginning the preliminary process for rulemaking to update the regulations for water supply replacement for coal mining. The MRAB's Regulatory, Legislative and Technical Committee met on April 19, 2018 to review concepts and provide input prior to the drafting of proposed changes. This was presented to the MRAB at their July 19, 2018, meeting.

### **Guidance Document Revisions**

The Bureau of Mining Programs is systematically reviewing the library of Technical Guidance Documents to identify the documents which require changes. This process is ongoing. For detail, see the Department's Non-Regulatory Agenda.

### **Board of Coal Mine Safety (BCMS)**

The Board is currently considering possible improvements to the miner certification program. This is planned for discussion at the next meeting of the Board.

**2010 Sulfur Dioxide (SO<sub>2</sub>) NAAQS Attainment Demonstration SIP Revisions**

DEP submitted the required SIP revisions for Beaver, Warren and Allegheny Counties on October 2, 2017, and for Indiana/Armstrong County on October 11, 2017. Completeness letters for these SIPs were received from EPA on October 5 and 13, 2017, respectively. On October 12, 2018, EPA published its approval of the Warren County SIP effective November 13, 2018.

EPA published its intent to approve the Indiana/Armstrong SIP on July 13, 2018, with the public comment period closing on August 13, 2018. EPA received seven comments. On October 5, 2018, EPA published its intent to approve the Beaver County SIP. The public comment period closed on November 5 and *EPA received one comment.*

**2012 Fine Particulate Matter (PM<sub>2.5</sub>) NAAQS SIP Revisions**

DEP has developed Maintenance Plan SIP revisions and Redesignation Requests for the Delaware County and Lebanon County 2012 annual PM<sub>2.5</sub> NAAQS nonattainment areas. Notice of these SIP revisions and Redesignation Requests were published in the Pennsylvania Bulletin on November 10 and 24, 2018, respectively, with the comment periods ending on December 13 and 28, 2018, respectively. During the 30-day public comment periods, DEP received 5 comments on the Lebanon SIP and 2 comments on the Delaware SIP. *On January 23, 2019, DEP submitted the Delaware County documents to EPA for approval. DEP is in the process of preparing the documents for Lebanon County.*

**Driving PA Forward Grants and Rebates**

- The \$12 million Onroad Rebate Program for Class 4-7 local freight trucks, drayage trucks, school buses and shuttle buses opened on November 15, 2018. The application period is continuous until December 31, 2019, or until funds are exhausted. Rebate vouchers will be issued on a first-come, first-served basis.
- The \$6.4 million Class 8 Truck and Transit Bus Grant Program opened on November 15, 2018. The Program will remain open continuously through the end of 2019 or until allotted funds are exhausted. Application deadlines are 4:00 p.m. on January 11, May 10, and September 23, 2019.
- The \$3 million DC Fast Charging and Hydrogen Fueling Grant Program remains open. The Department is seeking applications for projects that will install DC fast charging or hydrogen fueling equipment in community hubs, transportation corridors and destinations, as defined in the program guidelines. The Program will remain open continuously through the end of 2019 or until allotted funds are exhausted. Application deadlines are 4:00 p.m. on January 25, July 15, and December 16, 2019.
- The \$3 million Level 2 EV Charging Rebate Program also remains open. The Department is seeking applications for projects that will install Level 2 EV charging equipment in publicly accessible locations (government or nongovernment owned), workplaces and multiunit dwellings. That application period is continuous until funds are exhausted, and rebate vouchers will be issued on a first-come, first-served basis.
- *The \$2.6 million FY2018 PA State Clean Diesel Grant Program opened on January 18, 2019. The Department is seeking applications for projects that will replace or retrofit fleet diesel-powered highway and nonroad vehicles, engines and equipment. The application deadline is 4:00 p.m. on February 28, 2019.*

Businesses, nonprofits, government agencies, and other organizations are eligible to apply for all programs. More information is available at [www.dep.pa.gov/DrivingPAForward](http://www.dep.pa.gov/DrivingPAForward).

## Air Quality Rulemakings

### Air Quality Fees

The Clean Air Fund constitutes approximately 60% of the Air Quality Program's budget and is comprised of two appropriations: The Major Emission Facilities (Title V) and Mobile and Area Facilities (Non-Title V) accounts. The Non-Title V account is anticipated to hit a zero balance sometime in FY 2019-20 and the Title V account will reach a zero balance sometime in FY 2023-24.

The draft proposed fee rulemaking was presented to the Air Quality Technical Advisory Committee (AQTAC), the CAC and the Small Business Compliance Assistance Committee (SBCAC) on June 14, July 17, and July 25, 2018, respectively. The committees concurred with the Department's recommendation to present the proposed rulemaking to the EQB. The CAC had a few suggested changes but also concurred with moving the proposal to the EQB. The proposed rulemaking was adopted by EQB on December 18, 2018. The proposed rulemaking will have a 60-day public comment period and three public hearings at DEP regional offices in Norristown, Harrisburg and Pittsburgh, PA.

The rulemaking will affect approximately 500 Title V facilities and 2,100 non-Title V facilities permitted by DEP. The proposed rulemaking will also impact the owners/operators of approximately 5,000 asbestos projects per year. Total additional revenue from the rulemaking is expected to be approximately \$14 million per year.

### Low Volatility Gasoline Requirement for the Pittsburgh–Beaver Valley Area

On May 1, 2018, the Bureau electronically submitted the SIP revision amending Pennsylvania's existing regulation requiring the use of a reduced volatility gasoline with an RVP of 7.8 pounds per square inch in the seven-county Pittsburgh–Beaver Valley area (Allegheny, Armstrong, Beaver, Butler, Fayette, Washington and Westmoreland) from May 1 through September 15 each year for ozone control. The final rulemaking adds language repealing the RVP requirement after EPA approves a noninterference demonstration (NID) required under section 110(l) of the Clean Air Act. On May 2, 2018, the Bureau electronically submitted the NID SIP revision confirming that the repeal of the low RVP fuel program will not interfere with the attainment and/or maintenance of the ozone National Ambient Air Quality Standards (NAAQS).

On June 15, 2018, EPA published in the Federal Register a notice of Direct Final Rule (DFR) approving Pennsylvania's NID SIP revision and the request to remove the Commonwealth's summertime low volatility gasoline requirements in the seven-county Pittsburgh–Beaver Valley area as well as a notice of Proposed Rule. EPA received adverse comments to the Proposed Rule. *EPA responded to these comments and published the final rule approving the NID SIP revision on December 17, 2018, effective January 22, 2019, marking the official suspension of the DEP Low RVP requirements and compliance with the substance of Act 50.*

On September 17, 2018, the Allegheny County Health Department (ACHD) opened a public comment period on the repeal of its gasoline volatility regulations. ACHD held a public hearing on October 17, and the public comment period closed on October 22, 2018. *On November 7, 2018, the Allegheny County Board of Health voted to approve the repeal of the gasoline volatility regulations. ACHD is preparing a SIP revision to submit to EPA through DEP. ACHD will exercise enforcement discretion for their regulation if approval by EPA is not final before the county summer low-volatility gasoline requirement starts on May 1, 2019. The requirements of Act 50 did not apply to the ACHD.*

### Revision of Sulfur Limits in No. 2 and Lighter Commercial Fuel Oil

The proposed rulemaking would reduce the maximum allowable sulfur content limit for No. 2 and lighter commercial fuel oil, generally sold for and used in residential and commercial oil heat burners and furnaces, from the current limit of 500 parts per million (ppm) of sulfur to 15 ppm. Emissions of SO<sub>2</sub> contribute to the formation of regional haze, which degrades visibility in many American cities and scenic areas, and PM<sub>2.5</sub>. The draft proposed rulemaking Annex A was presented to the SBCAC, AQTAC, and CAC on January 24, February

8, and February 20, 2018, respectively. *DEP anticipates presenting the proposed rulemaking to EQB in the first quarter of 2019.*

On September 17, 2018, EPA acknowledged that the SIP revision from ACHD pertaining to sulfur limits in commercial fuel oil was administratively and technically complete.

#### Additional Requirements for Fine Particulate Matter in the Nonattainment New Source Review Program

This proposed rulemaking would amend 25 Pa. Code Chapter 127, Subchapter E (relating to new source review) to incorporate Federal requirements issued by EPA on August 24, 2016, for the regulation of precursor emissions to the formation of particulate matter less than and equal to 2.5 micrometers in diameter (PM<sub>2.5</sub>). The EPA's final rule requires states with nonattainment areas for PM<sub>2.5</sub> to amend their new source review (NSR) regulations to include emissions of volatile organic compounds (VOC) and ammonia as PM<sub>2.5</sub> precursors (*see 2012 PM<sub>2.5</sub> NAAQS SIP Revisions above*).

On April 6, 2018, EPA published a finding of failure stating that Pennsylvania failed to submit SIP revisions for the moderate areas designated under the 2012 PM<sub>2.5</sub> NAAQS. This finding started 18- and 24-month periods during which Pennsylvania must either submit complete SIP revisions or become subject to mandatory sanctions. This finding also established a 24-month deadline by which EPA must either approve a SIP or finalize a Federal implementation plan that addresses the necessary revisions. The expiration date for the 18-month EPA sanction clock is November 7, 2019, and the 24-month sanction clock expires on May 7, 2020.

The Department presented the draft proposed annex to the SBCAC, the AQTAC, the CAC Policy and Regulatory Oversight Committee, and the CAC on July 25, August 2, August 21, and September 18, 2018, respectively. The proposed rulemaking was adopted by EQB on December 18, 2018. The proposed rulemaking will have a 60-day public comment period and three public hearings at DEP regional offices in Norristown, Harrisburg and Pittsburgh, PA.

#### Control of Existing Sources of Emissions from the Oil and Natural Gas Industry

On October 27, 2016, EPA published Control Techniques Guidelines (CTG) for the Oil and Natural Gas Sector. On December 13, 2018, DEP presented Preliminary Draft Proposed Reasonably Available Control Technology (RACT) Regulations for the Oil and Natural Gas Sector to AQTAC. The proposed rulemaking will establish RACT requirements for volatile organic compound (VOC) emissions from existing oil and natural gas production facilities, compressor stations, processing plants, and transmission stations. The proposed control measures will also reduce methane emissions as a co-benefit.

#### Stage II Vapor Recovery Revision

With the advent of onboard vehicle vapor recovery systems, Stage II vapor recovery at the gasoline pump has become redundant and, in some cases, counterproductive. DEP presented Preliminary Draft Proposed Amendments to the Stage II Vapor Recovery Regulations to AQTAC on December 13, 2018. The proposal requires decommissioning of vacuum-assisted vapor recovery at the pump in the 5-county Philadelphia and 7-county Pittsburgh-Beaver Valley areas. However, it will add requirements for annual leak testing, low-permeation hoses, and dripless nozzles.

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## **Energy Programs Office**

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### **Finding Pennsylvania's Solar Future**

The final Pennsylvania Solar Future Plan was released at a stakeholder meeting on November 14th at Messiah College, in Mechanicsburg. The draft Strategy Support Guide, which details how stakeholders can begin

implementing the 15 strategies identified in Pennsylvania's Solar Future Plan *has been placed on the collaborative worksite and was discussed with Stakeholders during a web meeting on January 17<sup>th</sup>. DEP is preparing the 8<sup>th</sup> quarterly report submission to DOE and has scheduled a progress update call on February 8<sup>th</sup>. The final PA Solar Future quarterly stakeholder meeting is planned for March 27<sup>th</sup> in Harrisburg. This will be a mid-course review regarding how implementation of the strategies is progressing and an opportunity to seek feedback on adjustments to the strategies already developed.*

### **Alternative Fuel Incentive Grant (AFIG)**

The AFIG Program offers grant funding for clean, alternative fuel projects in Pennsylvania, and investment in Pennsylvania's energy sector. The second application acceptance period of the 2018 AFIG Program ended December 14<sup>th</sup>, 2018. 39 applications were submitted via the PA DCED's (Department of Community and Economic Development) Electronic Single Application (ESA) system. *Applications have been scored and recommendations for project awards are being developed for executive staff review. Draft guidance for the 2019 AFIG program has been developed and submitted for executive staff review. The program is anticipated to reopen in early spring 2019. Approximately \$5 million in grant funding is available for school districts, municipal authorities, political subdivisions, nonprofit entities, corporations, limited liability companies, or partnerships incorporated or registered in the Commonwealth.*

### **EV Everywhere**

The next Drive Electric PA (DEPA) Coalition meeting will be held on Tuesday, March 12, 2019 at Duquesne Light Company headquarters in Pittsburgh (411 7th Ave. Pittsburgh, PA 15219). The meeting will be held from 10AM- 2PM. A meeting agenda will be created closer to the time, and information posted on the DEP website located here: <https://www.dep.pa.gov/Business/Energy/OfficeofPollutionPrevention/State-Energy-Plan/Pages/Drive-Electric-PA-Coalition.aspx> .

### **Industrial Energy Efficiency Technical Assistance**

The 2015 Climate Action Plan (CAP) and the 2018 CAP update contain work plans that call for significantly increasing the number of energy assessments for the manufacturing sector. The current PA DEP SEP (State Energy Plan) proposal directly coincides with the CAP recommendations. For state fiscal year 2018-19, DEP contracted with the Pennsylvania Technical Assistance Program at the Pennsylvania State University (PennTAP) and the Emerging Technology Applications Center (ETAC) to provide energy efficiency technical assistance targeting the Industrial sector of energy consumers. *Six site assessments (75% of goal) were completed by ETAC and 18 (60% of goal) were completed by PennTAP to date. The Energy Assessments represented the metal fabrications, food, recycling, newspaper, metal finishing, chemicals, rubber and plastics and lumber, word and paper industries. The type of assessments were: lighting, compressed air, heat exchangers, HVAC, variable frequency drive motors and process heating.*

### **State Energy Program (SEP)**

DOE's Office of Energy Efficiency and Renewable Energy's (EERE's) manages the State Energy Program (SEP), which provides funding to the states and territories to increase market transformation of energy efficiency and renewable energy technologies through policies, strategies, and public-private partnerships that facilitate their adoption and implementation. DEP received a total of \$1,858,460 for the first year of the 3-year grant, beginning July 1, 2018 and ending June 30, 2019. SEP 2018 energy activities underway include technical assistance to small and medium-size businesses, training for local governments and schools, comprehensive energy planning, energy assurance efforts, and a regional pooled municipal energy efficiency purchasing program. *The EPO staff received a letter in January from the U.S. DOE regarding the financial survey indicating there were no findings or recommendations. The EPO staff are currently preparing a plan and budget for the 2019 – 2020 State Energy Program Plan for submittal to the U.S. DOE when the application period opens (date to be determined).*



### **Climate Change Advisory Committee (CCAC)**

EPO's consultant, ICF, presented the DRAFT Pennsylvania Climate Action Plan (CAP) 2018 Update to the CCAC during the December 4, 2018 meeting. Committee members were asked to provide feedback on the CAP by December 21. EPO staff are currently revising the CAP to incorporate committee feedback and intend to have a final draft prepared for internal review in *late* January. Committee members will have an opportunity to submit letters to be included as an appendix to the final CAP. The 2018 Pennsylvania Greenhouse Gas Inventory was also presented at the December 4 meeting. This document is also being revised and finalized by EPO staff. The next CCAC meeting is scheduled for February 26, 2019.

### **Commercial Property Assessed Clean Energy Program (C-PACE)**

On June 12, 2018, Governor Tom Wolf signed Senate Bill 234, establishing C-PACE, a financing mechanism enabling low-cost, long-term funding for energy efficiency, renewable energy, and water conservation upgrades to commercial, agricultural, and industrial properties. *PACE* enhances property values and employment opportunities while lowering the costs of doing business. Currently, 33 states plus the District of Columbia have authorized PACE financing for clean energy and energy efficiency projects. EPO staff are taking part in the U.S. Department of Energy (DOE) C-PACE Workgroup, which has multiple partners involved in existing C-PACE programs throughout the country. In PA, local government and not-for-profit energy stakeholders have been in discussions around the development of a program to help launch efforts for municipalities in the Commonwealth. The Philadelphia Energy Authority (*PEA*), Sustainable Energy Fund and other stakeholders hosted a series of meetings across the Commonwealth in fall of 2018 to collect input into the development of an intentionally state-wide consistent program. The goal is to create a program with as few differences between municipalities as possible so that funders, property owners, etc. can easily participate in projects. *A draft plan for stakeholder comment received 45 sets of comments and is being revised with a final program outline available in mid-February. PEA anticipates having some minor variations and have a program ready for use by property owners in summer. The partners are using the website: <http://pennsylvaniacpace.org/> to keep all stakeholders up-to-date.*

### **Building Energy Code Trainings**

DEP has contracted with the Pennsylvania Municipal League and Performance Systems Development (PSD) to provide building code officials, contractors, design professionals and builders with training on the 2015 International Energy Conservation Code (IECC) for residential and commercial construction projects in the upcoming months. A series of workshops, webinars and specialized (circuit rider) trainings have been planned. The in-person commercial and residential 2015 IECC trainings/workshops concluded in November with a total of 109 attendees at the residential IECC trainings and 95 attendees at the commercial 2015 IECC trainings. Forty-two percent of the attendees were municipal code officials, fifty-six percent were third-party inspectors and two percent were other energy code professionals. Follow-on webinars and circuit rider trainings are planned for the upcoming months. *PSD is currently reaching out to local governments to participate in the circuit rider program.*

**Building Retuning Training (BRT) Facility Operations Workshop:** The Pennsylvania Technical Assistance Program (PennTAP) has scheduled the second of three BRT workshops for Wednesday, February 27, 2019 at Community College of Allegheny County (CCAC) Boyce Campus in Monroeville, PA. Duquesne Light Co will be providing two speakers: an expert on their rebates, and another who partners with Duquesne Light and helps schools understand their retrofit potential. *Two building are currently being reviewed for the building walkthrough portion of the workshop. The workshop focuses on BRT principles, including energy benchmarking and creating an energy-conscious facility. In addition, PennTAP is going to research steps to take to obtain accreditation for the BRT workshop for BOC and USGBCS-LEED.*

**Building Operator Certification (BOC):** DEP's contractor, National Sustainable Structures Center, is planning four BOC classes for 2019. BOC is presented as a series of sessions. *Class series will begin on*

February 5<sup>th</sup>, 2019 in Pittsburgh and February 6<sup>th</sup>, 2019 in Harrisburg, Pa. Two additional classes are planned for Philadelphia with a start date of April 17<sup>th</sup> and in Williamsport beginning April 16<sup>th</sup>, 2019.

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## **Environmental Cleanup and Brownfields**

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### **Storage Tank Advisory Committee (STAC)**

The next STAC meeting is scheduled for March 5, 2019, at 10:00 a.m. in Room 105 in the RCSOB, 400 Market Street, Harrisburg.

### **2019 Cleanup Standards Scientific Advisory Board (CSSAB)**

The next CSSAB meeting is scheduled for February 13, 2019, at 9:00 a.m. in Room 105 in RCSOB, 400 Market Street, Harrisburg. *The agenda will focus primarily on the first draft of the Chapter 250 rulemaking and associated potential Chapter 250 numeric value changes. An overview of proposed technical guidance on caps will also be provided for discussion.*

### **Proposed Rulemaking, 25 Pa. Code, Chapter 250 (relating to Administration of Land Recycling Program)**

The Land Recycling Program is developing a proposed rulemaking to update Statewide health standard medium-specific concentrations (MSCs) listed in Appendix A of Chapter 250. Additional changes to the regulations may be needed to clarify regulatory language, update outdated information, and to make other corrections. Conceptual changes to the MSC tables and regulatory language were presented to the CSSAB at its August 1, 2018, meeting. The Department anticipates presenting draft regulatory language for the next CSSAB meeting on February 13, 2019.

### **Land Recycling Program Technical Guidance Manual (TGM)**

*Notice of the final revised Land Recycling Program TGM was published in the Pa. Bulletin on January 19, 2019. The TGM can be found in DEP's eLibrary. These substantive revisions were necessary to update and clarify many of the procedures and processes used by the Land Recycling Program. The updated TGM will help to avoid confusion for remediators and DEP regional staff when assessing and remediating sites to satisfy the requirements of Act 2 and Chapter 250 regulations.*

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## **Environmental Education**

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### **DEP Environmental Education Grants Program**

*The Environmental Education Grants Program application period for 2019 funding expired on January 11. Currently, the grant applications are being disseminated and the applications will be sent to the raters. Each grant will be reviewed by a minimum of three agency professionals. Those programs that are selected to receive a General or Mini-Grant will be announced in conjunction with Earth Day. This round of grants will feature a General Grant round for projects that have a regional or statewide impact and can be funded up to \$25,000. The Mini-Grant program will again be offered for more localized projects providing funding up to \$3000. Funded through the Pennsylvania Environmental Education Act of 1993, this program was designed to promote Environmental Education principles that encourage the public to promote a healthy environment; foster an understanding of the natural world functioning; and promote an understanding of the necessity for environmental protection and sound resource management.*

2019 will mark the first year of the Meaningful Watershed Educational Experience (MWEE) Stormwater Action Project. This new grant opportunity is designed for public schools within the Chesapeake Bay watershed to develop and implement stormwater projects to assist MS4 communities with meeting both their water quality benchmarks and to meet the MS4 educational requirements. This project has been funded by EPA under agreement with DEP. *Due to the federal furlough, this project has been temporarily delayed. The MWEEs is*

*the framework for the implementation of this new stormwater grant program designed for public schools within the Chesapeake Bay Watershed. The goal is for schools to develop the correct BMP and work with their MS4 community to reduce stormwater run-off and the other associated issues. This initiative supports students to investigate topics both locally and globally that are of interest to them, learn they have control over the outcome of environmental issues, identify actions available to address these issues, and understand the value of those actions.*

### **PA Falcon Reintroduction Program**

*Plans are underway for the upcoming falcon nesting period. This year DEP is offering the annual Peregrine falcon workshop scheduled for April 3, 2019 at the Rachel Carson State Office Building. The nesting season prompts the most visits to the FalconCam web-site. Once the young hatch, the timeline for the remainder of falcon activities will be scheduled. Tentatively, DEP and the Game Commission are looking at mid-May for the Falcon Banding Event, and the end of May, early June for Falcon Watch and Rescue.*

### **Update from the PA Watershed Education Task Force**

*The Stroud Center, PDE, DCNR and DEP continue to cooperate on this task force therefore providing additional educational opportunities in 2019 for MWEE training, STEM, Watershed Education, and stormwater workshops. DCNR, DEP and the Stroud Center are offering an entire series of workshops and initiatives to promote the establishment of MWEEs within the schools of Pennsylvania. Outreach efforts are also being directed to the Pa. Association of Environmental Educators (PAEE).*

### **“Weathering the Storm” Stormwater Workshop**

*Three workshops, designed to promote stormwater projects are currently scheduled for February and March of 2019. Partnering with the Lebanon County Conservation District, Susquehanna River Basin Commission, Penn State Extension, Penn State Master Gardeners, and Lycoming College these workshops will provide participants information on the funding available through the new Meaningful Watershed Educational Experience (MWEE) Stormwater Action Project, assist with the implementation of MWEEs, and provide participants with the curriculum developed by Penn State Extension known as “Rain to Drain.” This workshop is designed for traditional and non-traditional educators, resource people, municipal employees, and corporate representatives. For 2019, the stormwater series begins on February 21 at the Lebanon County Ag Center. This will be followed by two other offerings, the next, is scheduled for March 5 at the Susquehanna River Basin Commission (SRBC) and a third, to be held at Lycoming College, March 13.*

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## **Oil and Gas**

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### **Proposed Oil and Gas Fee Rulemaking Adopted by Environmental Quality Board**

*On May 16, 2018, the Office of Oil and Gas Management presented the proposed Unconventional Well Permit Application Fee rulemaking to the Environmental Quality Board (EQB). The proposed rulemaking increases the current well permit application fees from \$5,000 for a nonvertical unconventional well and \$4,200 for a vertical unconventional well, to \$12,500 for all unconventional well permit applications. The permit fees for conventional wells remain unchanged. EQB adopted the proposed rulemaking with two opposing votes. The Office of Attorney General completed its review on June 26, 2018. The proposed rulemaking was published in the Pennsylvania Bulletin on July 14, 2018 and the comment period closed on August 13, 2018. DEP received comments from IRRC on September 13. DEP is currently preparing a Comment and Response Document and final revisions to the rulemaking.*

### **Technical Advisory Board (TAB) Coal-Gas Industry-Agency Subcommittee Meeting**

*DEP’s oil and gas and mining programs, the Mine Safety and Health Administration (MSHA), and the National Institute for Occupational Safety and Health (NIOSH) technical staff met with coal and gas industry*

representatives on January 17 in New Stanton to discuss matters relating to coordination between the two industries.

### **Oil and Gas Workload Report**

Please see Attachment 2.

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## **Radiation Protection**

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### **Radiation Protection Rulemakings**

#### **Chapter 227**

The Bureau of Radiation Protection will be discussing necessary updates to regulations with the Radiation Protection Advisory Committee at its February 14 meeting. The Radiation Protection Act directs the Department of Environmental Protection (DEP) to develop and conduct comprehensive programs for the registration, licensing, control, management, regulation and inspection of radiation generating devices (RGD) and users of such devices. The areas in need of review and update relate to non-medical X-ray equipment. There have been important advances in technology and use of X-rays and other ionizing radiation particles for industrial radiography, non-contact level monitoring, foreign body detection, chemical purification, melting, welding, polymerization, sterilization, and security screening. The proposed package is expected to be ready for publishing in the *Pa Bulletin* for public comment in Spring 2020.

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## **Waste Management**

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### **Substantive Revisions to DEP's Management of Fill Policy**

Pennsylvania's waste regulations, which were adopted in 1988, state that uncontaminated soil, rock, stone, gravel, unused brick or block, and concrete can be used to level or bring an area to grade without obtaining a permit for the beneficial use of waste. DEP frequently refers to these materials as "clean fill."

To support the regulations, DEP created the Management of Fill Policy to clarify when and how fill can be used in Pennsylvania without the need for a waste permit. The current effective version of the Policy is dated August 7, 2010. Major components of this Policy rely on the Act 2 Statewide health standards, which were revised in 2011 and again in 2016, necessitating a revision to the Policy. Staff in the Bureau of Waste Management worked diligently to hear the concerns of stakeholders and published a substantive revision for public comment on November 10, 2018.

The draft revisions proposed by DEP include: incorporating the Chapter 250 standards by reference so that the concentration limits in the policy are continually aligned with Chapter 250; improving the mechanism for determining whether the presence of a contaminant is due to background conditions; clarifying the requirements for developing a sampling plan for in-place material; and clarifying definitions and terms not defined by the policy.

DEP *accepted* public comment on the proposed changes *through* January 8, 2019, and intends to finalize the policy in the second quarter of 2019.

### **Renewal of Regulated Fill General Permit (WMGR096)**

On October 6, 2018, the Department published notice of its intent to modify and renew the base general permit (GP) WMGR096. This permit authorizes the beneficial use of regulated fill as a construction material. Under the GP, regulated fill may only be moved to a property that is approved for construction and meets one of the following criteria:

- The property is zoned and used exclusively for commercial and industrial uses, or
- The property is unzoned but exclusively used for commercial and industrial uses (excluding parks, playgrounds, nursing homes, child care facilities, schools or other residential-style facilities or recreation areas).

WMGR096 does not authorize blending or processing of fill with the purpose of meeting the concentration limits specified in Table GP-1 of the permit.

DEP received a significant level of public interest on the proposed modifications to the base GP. Due to the volume and extensiveness of the comments received, as well as the short amount of time available to evaluate the comments prior to the expiration date of the base GP, the Department has renewed the existing version of WMGR096 for one year and added a permit condition relating to renewal. All general permits that are renewed and that do not already contain the following condition are updated to include the condition as a standard practice:

“In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the general permit or approval for coverage before its current coverage expiration date, the terms and conditions of the approved coverage will automatically continue and will remain fully effective and enforceable pending the issuance or denial of the renewal for permit coverage, provided the permittee is, and has been, operating in compliance with the terms and conditions of the general permit.”

The permit was renewed by Central Office and became effective on December 23, 2018. This action will provide DEP with the appropriate amount of time to thoughtfully consider the comments received and evaluate whether additional modifications to the base GP are necessary. DEP plans to re-notice proposed modifications to the base GP in the Pennsylvania Bulletin and provide for another 60-day public comment period after the comments received have been appropriately evaluated and addressed.

Coverage under WMGR096 will automatically continue for existing permittees, provided they are complying with the terms and conditions of WMGR096.

**Solid Waste Advisory Committee (SWAC)**

The *March 14 SWAC meeting is being cancelled due to a lack of agenda items. The next regular SWAC meeting is scheduled for Thursday, June 6.*

**Recycling Fund Advisory Committee (RFAC)**

The next regular RFAC meeting is scheduled for September 12; this is the annual joint meeting with SWAC at which the Committee will review and approve the Spending Plan for the Recycling Fund.

**Act 101 Workgroup**

RFAC members *served* on the Act 101 Workgroup and *were* engaged in discussions on potential revisions to Act 101 *from June 2017 through December 2018. The recommendations of the Workgroup were finalized by RFAC and SWAC at their regular meeting on December 12, 2018. The Bureau of Waste Management is drafting a white paper summarizing the Workgroup discussions and recommendations that will be presented to the Secretary.*

**Water Programs**

**e-Permitting for Waterways Obstruction and Encroachment General Permits (Ch.105 GPs)**

The Chapter 105 e-Permitting application “went live” on October 10, 2018, as part of a greater effort by Governor Tom Wolf and DEP to reduce permit backlogs, modernize permitting processes, and better use technology to improve both oversight and efficiency. The Chapter 105 e-Permitting application was designed for Chapter 105 Obstruction & Encroachment General Permit registrations. Individual permits, small project authorizations, and environmental assessments will continue to use the Joint Permit application using the current paper process. The Bureau of Waterways Engineering and Wetlands (Bureau) staff remain actively engaged with applicants, consultants, delegated county conservation districts, regional office staff and IT support regarding processes and technical issues for Chapter 105 General Permit e-permitting. Staff have begun revising the User Guides in response to emails and/or phone calls between Bureau staff and applicants and/or consultants as they complete the process to gain access to e-permitting. Additional information about the Chapter 105 e-Permitting system, including background information, recorded webinar and training materials, and user guides is available on the Bureau of Waterways Engineering & Wetlands webpage at <https://www.dep.pa.gov/Business/Water/Waterways/Pages/ePermitting.aspx>.

### **Small Water Systems Technical Assistance Center Board Meeting**

*The Small Water Systems Technical Assistance Center (TAC) Board met on January 31. DEP staff presented on the following topics: the proposed changes to the manganese water quality standard, the Loss of Positive Pressure Policy, the draft Uninterrupted System Service Plan & Certification Form, the Nitrification Control Plan Form and Instructions, and a pre-draft guidance for the Filter Bed Evaluation Program. The next Small Water Systems TAC Board meeting is scheduled for May 14, 2019.*

### **Water Resources Advisory Committee Meeting**

*DEP’s Water Resources Advisory Committee (WRAC) met on January 24. DEP staff presented the following items to the Committee: DEP’s involvement in legacy sediment restoration projects and results from the Big Spring Run Legacy Sediment Project, a summary of the Chapter 102 E-Permitting initiative, an overview of DEP’s work on TMDL Alternatives, and the background and concepts for an NPDES Permit for Earth Disturbance Activities Associated with Small Construction Activities (PAG-01). WRAC members expressed an interest in providing DEP with input on the draft Agriculture Erosion and Sedimentation Manual, which is available for public comment through March 6, 2019.*

### **Coastal Zone Advisory Committee**

*The Coastal Zone Advisory Committee was held on January 9, 2019. Committee members saw a presentation called, “Developing a Green Stormwater Infrastructure Prioritization for Eastern Delaware County Municipalities”, a Coastal Zone grant-funded project, from Robert Ryan of Temple University. The Committee also heard program updates from Coastal Program staff and updates from other Committee members. The next Coastal Zone Advisory Committee meeting is scheduled for June 19, 2019. It will have to be rescheduled due to a conflict with a NOAA Great Lakes meeting scheduled for the same week. The new proposed date is May 29.*

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## **Environmental Justice**

### **Environmental Justice Advisory Board**

*The next EJAB meeting is scheduled for Tuesday, February 12, 2019. EJAB members will discuss opportunities for expanding public outreach in the Act 2 process, plans for EJ roundtables around the state, specific areas of focus for EJAB work, and the potential for a statewide EJ Summit next year, among other topics.*

### **Community and Stakeholder Engagement**

*Public Meetings – OEJ participated in a public meeting and hearing on Wednesday, January 30 regarding a noncoal surface mine permit application submitted by Specialty Granules LLC.; and distributed materials in Summit and Elk Lick Twps, Somerset County regarding the Heritage Coal Shaw Mine Refuse permit application ahead of two public meetings.*

***Community Group Engagement*** – OEJ engaged in several community group meetings throughout January including Senator Hughes’ EJ Forum, Public Health 3.0, and the Anthracite Region for Progress.

***EJ Presentation at the Schuylkill Center for Environmental Education*** – OEJ Director Allison Acevedo will present at the 8th Annual Richard L. James Lecture on February 7 at the Schuylkill Center for Environmental Education. The presentation is titled “Environmental Justice In Pennsylvania - A New Vision.”

***Roundtables*** – Roundtable events are in the process of being scheduled in Harrisburg, Johnstown, Philadelphia and Erie, PA in spring 2019. These events invite approximately 20-25 stakeholders from the community to discuss pertinent environmental justice issues and find potential solutions between DEP and other state and community partners.

### **Strategy and Planning**

***Policy Review Process*** – OEJ is currently drafting a Comment-Response document for the EJ Public Participation Policy. The Comment-Response document and revised policy will be reviewed by the EJAB, DEP Internal Work Group, and DEP personnel throughout the winter. OEJ anticipates final release of the EJ Public Participation Policy in spring 2019.

***Workforce Development Initiative*** – OEJ started outlining details and engaging partners from the William Penn School District and Delaware County Community College around a workforce development initiative which will create career pathway from high school to careers as drinking water and wastewater operators.

## Attachment 1

### 2019 Events Calendar

Please consult the DEP Calendar of Events for a comprehensive listing of upcoming events. The Calendar can be accessed in the Public Participation Tab on the DEP website. Click on “Public Participation;” “Calendar of Events.”

<b>February</b>	
6	State Board for Certification of Water and Wastewater Systems Operators, 10:00 a.m., 10 <sup>th</sup> Floor Conference Room, RCSOB, Harrisburg, PA
7	Air Quality Technical Advisory Committee, 9:15 a.m., Room 105, RCSOB, Harrisburg
7	Susquehanna River Basin Commission public hearing, Capitol East Wing, Room 8E-B, Harrisburg, PA
12-14	Ohio River Water Sanitation Commission (ORSANCO) Technical Committee, 10 East River center Boulevard, Covington, KY
13	Cleanup Standards Scientific Advisory Board, 9:00 a.m., Room 105, RCSOB, Harrisburg
13	State Board for Certification of Sewage Enforcement Officers, 10:00 a.m., Conference Room 11B, RCSOB, Harrisburg, PA
14	Radiation Protection Advisory Committee, 9:00 a.m., Room 105, RCSOB, Harrisburg
19	Oil and Gas Technical Advisory Board (TAB) Coal-Gas Subcommittee meeting to address complex, technical coordination issues affecting oil and gas and coal operators in the commonwealth (DEP New Stanton District Office).
20	Phase 3 Chesapeake Bay WIP Steering Committee, 1:00 p.m., Room 105, RCSOB, Harrisburg, PA
21	Delaware River Basin Commission Water Management Advisory Committee, 10:00 a.m., DRBC Goddard Conference Room, 25 Cosey Road, West Trenton, NJ
26	Climate Change Advisory Committee, 10:00 am, Room 105 RCSOB, Harrisburg, PA
28	Agricultural Advisory Board (AAB), time and location to be determined
<b>March</b>	
5	Storage Tank Advisory Committee, 10:00 a.m., Room 105, RCSOB, Harrisburg
13	Sewage Advisory Committee, time and location to be determined
15	Susquehanna River Basin Commission business meeting, 9:00 a.m., location to be determined
20	Phase 3 Chesapeake Bay WIP Steering Committee, 9:00 a.m., Room 105, RCSOB, Harrisburg, PA
21	Oil and Gas Technical Advisory Board (TAB) Meeting. (10:00 am – 3:30 pm; Harrisburg, Rachel Carson State Office Building, Room 105). Will be conducted via webinar.
28	Water Resources Advisory Committee, 9:30 a.m., Room 105, RCSOB, Harrisburg, PA
<b>April</b>	
11	<i>Air Quality Technical Advisory Committee, 9:15 a.m., Room 105, RCSOB, Harrisburg</i>





## Attachment 2

### Oil and Gas Workload Report (As of January 25, 2019)

YTD WELL PERMIT APPLICATIONS - 1/1/2019 to 1/25/2019						
	RECEIVED	UNDER REVIEW	PROCESSED	PERMITS ISSUED	WELLS PERMITTED	OTHER DISPOSITIONS
CONVENTIONAL	4	4	33	33	33	0
UNCONVENTIONAL	94	60	184	179	179	5
<b>Sub Total</b>	<b>98</b>	<b>64</b>	<b>217</b>	<b>212</b>	<b>212</b>	<b>5</b>
AUTHORIZATIONS	105	69	137	131	N/A	6
<b>Total</b>	<b>203</b>	<b>133</b>	<b>354</b>	<b>343</b>	<b>332</b>	<b>11</b>

WEEKLY WELL PERMIT APPLICATIONS - 1/19/2019 to 1/25/2019						
	RECEIVED	UNDER REVIEW	PROCESSED	PERMITS ISSUED	WELLS PERMITTED	OTHER DISPOSITIONS
CONVENTIONAL	1	1	11	11	11	0
UNCONVENTIONAL	20	20	46	45	45	1
<b>Sub Total</b>	<b>21</b>	<b>21</b>	<b>57</b>	<b>56</b>	<b>56</b>	<b>1</b>
AUTHORIZATIONS	14	10	30	27	N/A	3
<b>Total</b>	<b>35</b>	<b>31</b>	<b>87</b>	<b>83</b>	<b>83</b>	<b>4</b>

HISTORICAL WELL PERMIT APPLICATIONS AS OF 1/25/2019						
	RECEIVED	PROCESSED	PERMITS ISSUED	WELLS PERMITTED	OTHER DISPOSITIONS	ACTIVE PERMITS
CONVENTIONAL	197,850	197,844	196,594	190,418	1,250	101,585
UNCONVENTIONAL	26,736	26,631	26,081	20,647	550	11,926
<b>Sub Total</b>	<b>224,586</b>	<b>224,475</b>	<b>222,675</b>	<b>211,065</b>	<b>1,800</b>	<b>113,511</b>
AUTHORIZATIONS	43,968	43,817	43,042	42,020	775	18,859
<b>Total</b>	<b>268,554</b>	<b>268,292</b>	<b>265,717</b>	<b>253,085</b>	<b>2,575</b>	<b>132,370</b>

YTD INSPECTIONS - 1/1/2019 to 1/25/2019				
	INSPECTIONS	FACILITIES INSPECTED	VIOLATIONS	ENFORCEMENTS
CONVENTIONAL	775	695	112	9
UNCONVENTIONAL	1,428	1,306	71	9
CLIENT/SITE	282	1	158	9
<b>Total</b>	<b>2,485</b>	<b>2,002</b>	<b>341</b>	<b>27</b>

WEEKLY INSPECTIONS - 1/19/2019 to 1/25/2019				
	INSPECTIONS	FACILITIES INSPECTED	VIOLATIONS	ENFORCEMENTS
CONVENTIONAL	124	108	17	3
UNCONVENTIONAL	261	237	33	2
CLIENT/SITE	38	1	21	1
<b>Total</b>	<b>423</b>	<b>346</b>	<b>71</b>	<b>6</b>

WELLS DRILLED					
	Two Years Prior 1/1/2017 to 1/25/2017	One Year Prior 1/1/2018 to 1/25/2018	Year To Date 1/1/2019 to 1/25/2019	Week of 1/19/2019 to 1/25/2019	As of 1/25/2019
CONVENTIONAL	0	7	3	1	192,629
UNCONVENTIONAL	45	43	56	23	11,754
<b>Total</b>	<b>45</b>	<b>50</b>	<b>59</b>	<b>24</b>	<b>204,383</b>

This report was prepared by Abbey Cadden, Executive Policy Specialist, DEP Policy Office. For questions or requests, please email [acadden@pa.gov](mailto:acadden@pa.gov).