

April 2016 Report to the Citizens Advisory Council
(new and updated information in italics)

DEP Highlights

Final Rulemaking – Chapter 78, Subchapter C (relating to oil and gas surface activities)

DEP presented the proposed Chapter 78, Subchapter C regulations to the EQB on August 27, 2013, who adopted the proposal for public comment. The 90-day public comment period, including nine public hearings, closed on March 14, 2014; about 24,000 comments were received. Of those comments, over 1,100 represented individual comments and the balance were submitted to DEP as form letters. IRRC submitted a 19-page comment letter to DEP on April 14, 2014, formally closing the comment period. DEP presented a summary of the comments received at the June 26, 2014, Oil and Gas Technical Advisory Board (TAB) meeting. Video of the meeting is available on the DEP YouTube Channel and the webinar is available on DEP's webinar page.

On July 10, 2014, former Governor Corbett signed into law Act 126 of 2014 (relating to omnibus Fiscal Code amendments). Act 126 contained the following provision:

Section 1741.1-E. Environmental Quality Board.

- (a) Regulations.-- From funds appropriated to the Environmental Quality Board, the board shall promulgate proposed regulations and regulations under 58 Pa.C.S. (relating to oil and gas) or other laws of this Commonwealth relating to conventional oil and gas wells separately from proposed regulations and regulations relating to unconventional gas wells. All regulations under 58 Pa. C.S. shall differentiate between conventional oil and gas wells and unconventional gas wells. Regulations promulgated under this section shall apply to regulations promulgated on or after the effective date of this section.

As a result of this statutory change, DEP determined that the Subchapter C rulemaking process could continue, but that the regulations would be completely bifurcated on final rulemaking. The regulatory provisions applicable to conventional wells will be retained in the existing Chapter 78 and a new regulatory Chapter 78a will be created that is applicable to unconventional wells. No regulatory language outside of the scope of the proposed rulemaking will be altered as a result of this change (for example, the well drilling, operation and plugging requirements contained in Chapter 78, Subchapter D will be included, as appropriate, in both the conventional and unconventional Chapters).

On September 25, 2014, DEP presented the two individual chapters of the bifurcated proposed rulemaking to the members of TAB and discussed the pertinent aspects of the proposed rulemaking. The TAB meeting was conducted via a webinar in order to provide a greater opportunity for public participation; the webinar is available on DEP's webinar page. The bifurcated rulemaking was a first step toward placing the proposed regulatory language into a form that could be further adjusted to address public comments.

DEP determined it was necessary to utilize the Advanced Notice of Final Rulemaking (ANFR) process to take additional public comment on the draft changes included in the final rulemaking. DEP presented an overview of the proposed ANFR to TAB and the Conventional Oil and Gas Advisory Committee (COGAC) on March 20 and March 26, 2015, respectively.

On Saturday, April 4, DEP published notice of the Advance Notice of Final Rulemaking for revisions to the rulemaking in the Pennsylvania Bulletin, opening an additional 30-day public comment period.

On April 6, DEP announced extension of the public comment period by an additional 15 days to close on May 19, and the addition of three public hearings on April 29 (Washington), April 30 (Warren), and May 4 (Williamsport).

During the ANFR comment period, the Department received a total of 4,947 comments from 4,601 commentators. Of the comments received, 4,516 were form letters (10 different form letters), 129 were provided via testimony at public hearings, and 302 were unique comments. Department staff is in the process of preparing responses to all comments received for the proposed rulemaking and ANFR.

DEP presented an overview of the draft final rulemaking to COGAC and TAB on August 27 and September 2, 2015, respectively. Following these advisory committee meetings, DEP hosted a public webinar session on Friday, September 18 with members of COGAC and TAB to further discuss several issues that were raised during the most recent advisory board meetings. An audiotape of this webinar along with the document that was the subject of the discussion is posted on the DEP website under the Public Participation page. The draft final rulemaking is scheduled to be presented to TAB and COGAC on October 27 and October 29, respectively. At the close of the meeting, TAB adopted a written Resolution that stated it would incorporate comments that are developed by COGAC as part of its submittal to the Environmental Quality Board (EQB). On October 29, COGAC adopted a separate Resolution that was critical of the Department and rulemaking process and stated, in part, that the "...process of formulating new regulations for Pennsylvania's conventional oil and gas industry should be restarted in its entirety".

The 2012 Oil and Gas Act authorizes TAB to submit a report to the Environmental Quality Board (EQB) on the Department's final Chapter 78 and 78a regulation. On December 22, 2015, TAB convened a public WebEx meeting to discuss the report that it intended to develop for submittal to the EQB. On December 22, COGAC also convened a meeting to discuss the same matter. The TAB accepted public comment and prepared a report that will be considered by EQB at its next regularly scheduled meeting on February 3, 2016. A copy of this report is available on the EQB website.

On January 6, DEP submitted the final form rulemaking to the EQB for consideration at its upcoming meeting on February 3. On February 3, 2016, the EQB approved the final form rulemaking by a vote of 15-4. *The final form rulemaking is scheduled to be considered by the Independent Regulatory Review Commission (IRRC) on April 21, 2016. This rulemaking will also be reviewed by the Office of the Attorney General and the standing committees in the PA House of Representatives and Senate. It is anticipated that this rulemaking will be published as final in June 2016 in the Pennsylvania Bulletin.*

Federal Regulations

Recently Submitted DEP Comments

Nothing to report.

Regulations Planned for DEP Comment

Nothing to report.

Regulatory Update (detailed summaries included in respective program sections)

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

Proposals Open for Public Comment

- Proposed Rulemaking: Disinfection Requirements Rule (Opened 2/20/16; Closes 4/19/16)

Recently Closed Comment Periods

- Nutrient Credit Trading Program Certification Request: Borough of Chambersburg- Agricultural Program (Franklin County) (Opened 2/13/16; Closed 3/14/16)
- Handling and Use of Explosives (Opened 2/27/16; Closed 3/28/16)
- Draft Climate Change Action Plan (Opened 1/30/16; Closed 3/30/16)
- Proposed Rulemaking: Underground Coal Mine Safety – Proximity Detection Systems (Opened 3/19/16; Closed 4/18/16)
- Proposed Rulemaking: Water Quality Standards; Class A Stream Redesignations (Opened 3/5/16; Closed 4/18/16)
- Disinfection Requirements Rule (Opened 2/20/16; Closed 4/19/16)

Monthly Press Releases (All New, not Italicized)

Press Releases Issued

March 4 – DEP GO-TIME Initiative Makes Bidding Process Electronic, Saves Money

March 8 - DEP Issues Public Notice for Lead Exceedance in Drinking Water Served by Berks County Vendor

DEP Announces Alternative Fuels Incentive Grant Seminar in Dauphin County

DEP Awards Contract to Reclaim Long-Abandoned Ehrenfeld Mine Site in Cambria County

March 10 – DEP to Host Alternative Fuels Grant Seminar in Luzerne County

March 14 – Registration Open for April 5 Peregrine Falcon Educator’s Workshop

March 15 – DEP Issues NPDES Permit for Natural Gas-Fired Power Plant in Lackawanna County

March 18 – DEP Releases Sample Results of Drinking Water Served by Berks County Vendor

March 21 – Thirteen Environmental Stewardship Projects Earn Governor’s Award for Environmental Excellence

March 22 – DEP Announces Alternative Fuels Incentive Grant Seminar in Montgomery County
DEP Cites Illegal Tire Dump in Allegheny County

March 24 – DEP to Host Information Session and Public Hearing for Gibraltar Rock NPDES Application
DEP Authorizes Emergency Contract to Stop Mine Subsidence Damage in Pleasant Hills

March 28 – DEP Releases Results of Silica Sand Air Monitoring in Wyoming County

March 29 – DEP Suspends Accreditation and Issues Notice of Violation to Vermont Laboratory

Active and Abandoned Mine Operations

2016 Abandoned Mine Land Program Grant

On January 14, the Office of Surface Mining (OSM) announced that \$43 million will be awarded to Pennsylvania under the 2016 AML Program Grant which became effective on January 1, 2016. Compared to the 2015, the funding level of the 2016 AML distribution is a reduction of \$1 million or 2.4%. The drop in funding is attributable to a decline in coal production. Pennsylvania's total Title IV Grant Distribution is \$46.1 million. However, the FY 2016 sequestration of mandatory Federal budgetary resources withheld 6.8% of the AML grant funds equaling \$3.1 million. Last year, the impact of sequestration was a cut of 7.3%, the loss of \$3.5 million. In addition, through the recent Omnibus bill, there is an additional \$30 million for grants available for Pennsylvania to address abandoned mine land projects in conjunction with economic and community development and refuse goals. Further details will be forthcoming from OSM about the program.

Federal Proposed Stream Protection Rulemaking

On July 27, 2015 the federal Office of Surface Mining published a substantial revision to the coal mining regulations relating to the protection of streams. The scope of the rule is extensive. Many new additional requirements are proposed, including, for example, site-specific continuous precipitation data for every mine site. The comment period for the proposed rulemaking was originally scheduled to end September 25, but was extended to October 26. The Department completed its evaluation of the rule and submitted comments on October 23. The Department's 17 pages of comments included specific recommendations for alternative approaches or revised language for purposes of improving the proposed regulations. In other instances, there were sections that were not clear and requests were made for clarification. Overall, two specific requests were made: to expand the preamble to comprehensively address each aspect of the proposed rule and the supporting science and to clarify the proposed regulatory language based on feedback received during the initial comment period.

Act 54 Report Review

The Bureau of Mining Programs is working with the California District Mining Office to systematically review the Act 54 report. This process will involve review of the report and the comments relating to the report. The goal is to compile and evaluate all of the recommendations and identify action items. Discussions have identified a few categories of actions items. These include issues that have been addressed, but so recently that they could not be reflected in the Act 54 report, short-term actions, such as form revisions, and longer-term actions including database enhancements. The Department has received the CAC comments and will work with the Council to address their concerns. The TGD Surface Water Protection-Underground Bituminous Coal Mining Operations will be revised to address some of the issues raised in the Act 54 report and in response to recent litigation.

Noncoal and Coal Mining Fees

The 3-year reports for noncoal mining fees in Chapter 77 and coal mining fees in Chapter 86 are due in October and November of this year. The draft report for coal mining fees was reviewed with the Mining and Reclamation Advisory Board (MRAB) on April 23, 2015, and the draft report for the noncoal mining fees was reviewed with the Aggregate Advisory Board (AAB) on May 13, 2015. The fee reports were presented to the EQB at its May 20 meeting. The Department met with the AAB Regulation, Technical and Legislation committee on September 22 and October 23, 2015, to review information that had been requested by the PA Aggregate and Concrete Association. Another committee meeting will be scheduled. Interaction with the advisory boards continues in an effort to present proposed rulemaking to the EQB in the third quarter of 2016.

Final Rulemaking

Proposed Rulemaking – Areas Unsuitable for Surface Mining, Big Run and Willholm Run Watersheds, Clearfield County

Graham Township was the petitioner for the unsuitable for mining designation. As a result of the formal petition, a comprehensive technical evaluation of the area was done which yielded the result the area within the Big Run and Willholm drainage be designated as unsuitable for mining operations. The regulation proposes to amend 25 PA Code, Chapter 86, Section 86.130 to add paragraph (b) (19) to achieve the designation within the noted watersheds which includes the Mercer, Lower Kittanning, and Clarion #1, #2, and #3 coals. DEP does not anticipate any controversy or opposition with this proposal. This proposal was reviewed by the MRAB *last* April. It is expected to move forward to be presented to the EQB *on April 19, 2106*.

Other Coal Mining Program Rulemakings

Preliminary discussion is underway for rulemaking packages relating to surface coal mining water supply replacement, remining and water quality, and general coal mining program improvements. Staff met with the MRAB's Regulation, Legislative and Technical Committee on November 25, 2014, to discuss the coal mining program improvements rulemaking. The MRAB committee expressed the concern that it may be premature to proceed, specifically relating to the definition of surface mining activities, since there is litigation related to this underway in the federal system. The proposed remining rulemaking was reviewed by the MRAB at their meeting on October 23, 2014. The MRAB recommended that DEP proceed with the rulemaking process for the remining regulations. The EQB adopted the proposed remining rulemaking at its meeting on May 20, 2015. This proposed rulemaking was published with a 30-day comment period on October 3, 2015. The water supply replacement rulemaking will be deferred until the remining and program improvement packages are completed due to priorities identified by MRAB. *One comment was received from the Pennsylvania Coal Alliance. IRRC comments were received on December 2, 2015. Program staff developed a final regulation which was presented at the January 21, 2016, meeting of the MRAB. This is planned for EQB consideration at the May 17, 2016, meeting.*

The proposed rulemaking for the explosives program was reviewed with the MRAB and the Aggregate Advisory Board. Each recommended that the Department proceed with the rulemaking process. The EQB approved the package on September 15, 2015, but the Attorney General's Office tolled the regulation on November 10, 2015. Program staff and Regulatory Counsel developed a response which was submitted to the Attorney General's Office on December 29, 2015. This was published in the Pennsylvania Bulletin on February 27, 2016, opening the public comment period. *Several comments were received by the close of the comment period on March 28 which are currently under review. The IRRC comments are due by April 27.*

Proposed Rulemaking

NPDES Permitting for Mine Sites

The Mining Program continues to work with EPA to implement NPDES permitting and compliance improvements. The focus has shifted from developing tools (e.g. TGD, SOP, Permit Document and Inspection Report) to deploying the tools. EPA is working with the Mining Program to identify the parameters of further interaction between the agencies. A two-year work plan has been drafted. A checklist that would eventually provide an alternative to submission of draft permits is under discussion; some progress has been made in identifying the content of the checklist, but a final draft has not yet been prepared. Monthly calls with EPA to discuss program issues have been reinstated. A number of workgroups are being established to address on-going issues. One of the workgroups will be evaluating the best way to integrate remining in TMDL watersheds. EPA has recently identified an example of a draft permit and fact sheet that provided them with the information they needed in a very clear and concise manner.

Guidance Document Revisions

The Bureau of Mining Programs is systematically reviewing the library of Technical Guidance Documents (TGDs) to identify all of the documents which require changes. The following TGDs are under active development:

Blaster's License Suspension and Revocation Procedure (562-2402-501): This TGD describes the procedures for the suspension, modification or revocation of blaster's licenses and/or penalty assessment actions; it was substantially revised to be more transparent and provide new procedures for these actions. The substantive revisions were published in the Pennsylvania Bulletin on May 5, 2014 and DEP accepted comments until July 7, 2014. Comments are being reviewed, a comment response document is being developed, and changes will be made to the TGD where necessary.

Board of Coal Mine Safety (BCMS)

Proposed Rulemaking: Proximity Detection Systems for Continuous Mining Machines – The Mine Safety and Health Administration (MSHA) issued a final rule on proximity detection systems for continuous mining machines in underground coal mines *on January 15, 2015*. The MSHA rule excludes full-face continuous mining machines. Miners working in the vicinity of continuous mining machines are at risk of pinning, crushing, and striking hazards. This rule provides for greater protection for miners regarding these hazards. The rule was distributed to the BCMS for review prior to their June meeting. At the June meeting the Board directed DEP to draft initial regulatory language to incorporate the MSHA rule on proximity detection systems for continuous mining machines in underground coal mines into PA mine safety regulations. The package was approved by the Board of Coal Mine Safety on December 8, 2015 and sent to Office of General Counsel and Budget for review. The rulemaking was signed off by the Office of General Counsel, the Governor's Budget Office, and the Office of Attorney General. *This was published on March 19, 2016, opening the 30-day public comment period.*

Pre-Draft Proposed Rulemaking: Performance Based Cable Safety – The Board undertook the issue of performance based cable standards to address both shielded cables and sensitive ground fault. Typical low and medium voltage systems use a 15 ampere grounding resistor with a ground fault relay that trips at no more than 50% of the resistor value. It was determined that sensitive ground fault protection, set at an appropriate level, would not only decrease the potential hazard of handling a damaged cable, thereby increasing cable safety, it would also afford protection from inadvertent contact with energized circuits while troubleshooting or performing maintenance. Since the 1980's some components, such as the shearer and face motors, of the high-voltage longwall systems have used a ground fault relay which trips at no more than 0.125 amperes. A similar protection scheme can be used on low- and medium-voltage systems and can increase the protection of miners. This has been under development for several years. Currently DEP staff is working with the Board to draft regulatory language.

Air Quality

Climate Change Advisory Committee (CCAC)

The CCAC met on March 8, 2016, at 10:00 a.m. in 10th Floor Conference Room, RCSOB. The next CCAC meeting is scheduled for May 3, 2016, at 10:00 a.m. in Room 105, RCSOB.

Air Quality Technical Advisory Committee (AQTAC)

The April 14, 2016, AQTAC meeting was cancelled. The next AQTAC meeting is scheduled for June 9, 2016, at 9:15 a.m. in Room 105, RCSOB.

Small Business Compliance Advisory Committee (SBCAC)

The SBCAC met on February 17, 2016, at 10:00 a.m. in the 12th Floor Conference Room, RCSOB. The next

SBCAC meeting is scheduled for April 27, 2016, at 10:00 a.m. in the 12th Floor Conference Room, RCSOB.

Air Quality Rulemaking Packages

Control of VOC Emissions from Fiberglass Boat Manufacturing Materials –The final rulemaking for fiberglass boat manufacturing materials establishes RACT as recommended in the *U.S. Environmental Protection Agency's (EPA) 2008 Control Technique Guidelines (CTG) for Fiberglass Boat Manufacturing Materials*. The EQB unanimously adopted the final-form rulemaking at its May 20, 2015, meeting. IRRC approved the final rulemaking on Nov. 12, 2015, and the final-form regulation was published in the *Pa. Bulletin* on Dec. 19, 2015. A SIP revision was submitted to EPA *for approval* on March 2, 2016.

Control of VOC Emissions from Miscellaneous Metal Parts Surface Coating Processes, Miscellaneous Plastic Parts Coating Processes and Pleasure Craft Surface Coatings – The proposed rulemaking would establish RACT as recommended in EPA's *2008 Control Technique Guidelines for Miscellaneous Metal Parts Surface Coating Processes*. The EQB approved the proposed rulemaking for public review and comment at its Oct. 21, 2014, meeting. The proposed rulemaking was published in the *Pa. Bulletin* on Aug. 8, 2015, starting a 60-day public comment period (45 Pa. B. 4366). The EQB held public hearings on Sept. 8, 9, and 10, 2015, in Norristown, Harrisburg, and Pittsburgh, respectively. No testimony was presented at the hearings. The public comment period closed on Oct. 13, 2015. Written comments were received on the proposed rulemaking from James Verderese, Environmental Manager for GE Transportation. IRRC also submitted comments on Nov. 12, 2015. The draft final-form Annex A was presented to AQTAC and CAC on Feb. 11 and March 15, 2016, respectively. Both committees unanimously concurred with DEP's recommendation to submit the final rulemaking to the EQB *for consideration*.

Control of VOC Emissions from Industrial Cleaning Solvents – The proposed rulemaking would establish RACT requirements for industrial cleaning solvents as recommended in EPA's *2006 CTG for Industrial Cleaning Solvents*. At its Feb. 20, 2014 meeting, the AQTAC concurred with DEP's recommendation to submit the proposed Control of VOC Emissions from Industrial Cleaning Solvents rulemaking to the EQB for consideration. The SBCAC was briefed on the proposed rulemaking on April 23, 2014, and voted unanimously to concur with DEP's recommendation to forward the proposed rulemaking to the EQB for consideration with a recommendation that DEP consider flexibility for small businesses during the development of the proposed rulemaking. The CAC Policy and Regulatory Oversight Committee discussed this rulemaking during a conference call on May 6, 2014. On the recommendation of the Policy and Regulatory Oversight Committee, on June 17, 2014, the CAC concurred with DEP's recommendation to forward the proposed rulemaking to the EQB. However, in response to comments heard at the various committee meetings, substantive changes were made to the proposed rulemaking. A revised draft Annex A was presented to AQTAC and CAC on Feb. 11 and March 15, 2016, respectively. Both committees concurred with DEP's recommendation to submit the final rulemaking to the EQB *for consideration*.

Additional RACT Requirements for Major Sources of NOx and VOCs – The Reasonably Available Control Technology (RACT) final rulemaking was approved by the EQB on Nov. 17, 2015. *The final-form RACT regulation was unanimously approved by IRRC on March 10, 2016, and subsequently delivered, the same day, to the Attorney General's Office for approval as to "form and legality."* *Following publication of the final-form regulation in the Pa. Bulletin, the SIP revision will be submitted to EPA for approval in May 2016.*

Control of VOC Emissions from Automobile and Light-Duty Truck Assembly Coating Operations and Heavier Vehicle Coating Operations – The proposed rulemaking would establish RACT requirements consistent with EPA's *2008 CTG for Automobile and Light-Duty Truck Assembly Coatings*. The EQB approved unanimously the proposed rulemaking for public comment and review at its April 21, 2015, meeting. The proposed rulemaking was published in *Pa. Bulletin* on Aug. 8, 2015, starting a 60-day public comment period (45 Pa. B. 4351). EQB held public hearings on Sept. 8, 9, and 10, 2015, in Norristown, Harrisburg, and Pittsburgh,

respectively. No testimony was presented at the hearings. The public comment period closed on Oct. 13, 2015. The EQB did not receive any public comments on the proposal, but IRRC submitted comments on Nov. 12, 2015. The draft final-form Annex A was presented to AQTAC and CAC on Feb. 11 and March 15, 2016, respectively. Both committees concurred with DEP's recommendation to submit the final rulemaking to the EQB.

Low Reid Vapor Pressure (RVP) Gasoline Repeal – The gasoline volatility regulation codified in 25 Pa. Code Chapter 126, Subchapter C, requires that summertime gasoline with a Reid vapor pressure (RVP) limit of 7.8 pounds per square inch (psi) or less per gallon be sold at the retail level in the Pittsburgh-Beaver Valley Area (Allegheny, Armstrong, Beaver, Butler, Fayette, Washington, and Westmoreland counties) between May 1 and September 1 of each calendar year by all refiners, importers, distributors, resellers, terminal owners and operators and carriers. The restrictions apply between June 1 and September 15 of each year for all wholesale purchaser-consumers and retailers of gasoline. The EQB adopted the regulation in November 1997 to address a violation of the 1-hour ozone standard in the Pittsburgh-Beaver Valley Area; EPA approved the SIP revision on July 20, 1999. Given mandatory vapor recovery technology (carbon canister) requirements for all new vehicles since 2007, this regulation has had a diminishing effect on ozone precursor emissions.

In May 2014, the Pennsylvania General Assembly enacted legislation requiring DEP to develop a SIP revision for the removal of the low RVP fuel provisions from the SIP. The law also directs the EQB to promulgate regulation repealing the low RVP regulation (Act of May 14, 2014, P.L. 674, No. 50). On December 10, 2015, the majority of AQTAC concurred with DEP's recommendation to submit the proposed rulemaking to the EQB *for consideration*. The proposed repeal of this regulation was presented to the SBCAC and the CAC on Feb. 17 and March 15, 2016, respectively. Both committees unanimously concurred with the DEP's recommendation to submit the proposed rulemaking to the EQB *for approval*.

Pennsylvania's Methane Reduction Strategy for the Oil and Natural Gas Industry – Methane is the primary component of natural gas and it has been identified by the EPA as the second most prevalent greenhouse gas emitted in this nation from human activities. Pennsylvania is the second largest producer of natural gas in the United States. On Jan. 19, 2016, Governor Tom Wolf announced a four-point methane emission reduction strategy for unconventional natural gas operations in Pennsylvania. This strategy includes the development of a general permit for new unconventional well pad operations and modifications to the existing general permit (GP-5) for compressors and natural gas processing *facilities* by Oct. 2016. DEP will also develop a regulatory proposal to implement EPA's final Control Technique Guidelines for the Oil and Gas Industry. This rulemaking will be submitted to EPA as a SIP revision within two years following the issuance of the final guidelines. Additionally, DEP will also develop best management practices, including leak detection and repair programs to reduce methane emissions along production, gathering, transmission and distribution lines. *The proposed general permits, including the new GP for well pads and GP-5 modifications, will be published for review and comment this summer.*

Air Program Fee Schedule for Emission, Plan Approval and Operating Permit Fees - The proposed rulemaking would amend existing requirements and fee schedules codified in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees) to ensure that fees are sufficient to cover the costs of administering the air program, as required by Section 502(b) of the Clean Air Act (CAA) and Section 6.3 of the Air Pollution Control Act (APCA). Existing fees for plan approval applications and operating permits would be increased and fees would be established for requests for determination (RFD) of whether a plan approval is required, risk assessment reviews, and asbestos notifications. The proposed rulemaking would also set a dollar-per-ton fee to be paid by the owner or operator of a Title V facility for up to 4,000 tons of carbon dioxide (CO₂) emissions, *if EPA's "Standards of Performance for Greenhouse Gas Emissions From New Stationary Sources: Electric Utility Generating Units" and Clean Power Plan regulating CO₂ under Section 111 of the CAA are upheld by federal courts including the U.S. Supreme Court.*

Baseline Crystalline Silica Sand Air Monitoring Project – In response to resident concerns about the air quality impacts of a proposed silica sand transloading facility in the Tunkhannock Area (Wyoming County), the DEP installed ambient air monitors to measure PM₁₀, PM_{2.5}, and crystalline silica (PM_{4.0}) daily from August 5 to September 15, 2015. An analysis of the sampling results from three monitors installed near the proposed facility established baseline concentrations of ambient PM_{4.0} in the Tunkhannock Area. Trace amounts of crystalline silica were detected in two of the 113 samples; these sampling results were insufficient to raise any concerns about adverse health impacts. The PM₁₀ and PM_{2.5} concentrations were comparable to other particulate matter concentrations in the region. The short-term monitoring project was terminated following notice that construction of the proposed silica transloading facility was cancelled. The sampling protocol and final report for the short-term monitoring project are posted on DEP's website.

Energy Initiatives

Alternative Fuel Fleet Vehicles

Since 2012, the Act 13 Natural Gas Energy Development Program has awarded \$20 million to 62 companies and organizations. To date, DEP has reimbursed grantees for the purchase or conversion of 500 heavy duty vehicles under the Act 13 program totaling more than \$9.8 million in program funds disbursed. The 500 vehicles supported to date with grant funds are estimated to be displacing over 6 million gasoline gallon equivalents per year. Over \$26.3 million in actual incremental costs have been expended on alternative fuel vehicles due to this program.

Since 2013, the Alternative Fuel Incentive Grant Program has provided \$7 million to 66 awardees to support the purchase or conversion for light and medium duty natural gas vehicles as well as propane and electric fleet vehicles of any size. So far, DEP has reimbursed grantees for the purchase or conversion of 305 vehicles totaling just over \$1.7 million in program funds disbursed. The 305 vehicles are estimated to be displacing approximately 743,246 gasoline gallon equivalents per year. Over \$3.5 million in actual incremental costs have been expended on alternative fuel vehicles due to this program.

Alternative Fuel Vehicle Rebate Program

The alternative fuel vehicle rebate program provides rebates to PA residents for large battery EVs and PHEVs at \$2,000 and small battery EV and PHEVs at \$1,000. DEP committed to provide 250 rebates at \$2,000 resulting in \$500,000 of pledged support to the purchase of large battery storage alternative fueled vehicles. The \$2,000 rebate level will remain available until June 30, 2016, or until 250 rebates are issued, whichever occurs first. *As of March 9, 2016, 156 rebates remain at \$2,000.*

PA Turnpike Electric Vehicle Charging

DEP has been working with the PA Turnpike on the deployment of direct current (DC) fast charging stations on the PA Turnpike. *As of March 29th, Car Charging Group, Inc. (CCGI), the technology provider for the Turnpike project, reported that the DC fast charging station construction is completed at the Oakmont Plaza and New Stanton, Plazas. This brings the Turnpike up to a total of 5 service plazas with full charging capabilities. DEP anticipates construction at the North & South Somerset Plazas to begin in 4 to 6 weeks. North & South Midway plazas will be next. Approved permits and construction time lines are prepared. In addition, CCGI has prepared the bids for the central plazas: Sideling Hill, Blue Mountain, Cumberland Valley, Highspire, and Lawn but has not yet distributed the bids. CCGI has also reported that cars charging at the installed plazas have increased each month, and in 2015, a total of 190 charges have been performed. Eventually, Sideling Hill, Blue Mountain, Cumberland Valley, Highspire, Lawn, and Valley Forge will have Level II chargers as well as Level III DC fast chargers installed capable of fully charging an electric vehicle in 30 minutes.*

Plug in Pennsylvania Electric Vehicle Charging

DEP has been working with Car Charging Group, Inc. (CCGI) on the deployment of level II and Level III direct current (DC) fast charging stations throughout Pennsylvania. As of March 29th, Car Charging Group, Inc. (CCGI), the technology provider for the Blink Network, reported that charging stations have been installed at Lankenau Medical Center in Wynnewood, PA, 1001 South Street and 1901 JFK Blvd, Philadelphia, and most recently at the Harrisburg International Airport in Middletown, Pennsylvania. In total 39 level II and 25 level III chargers will be deployed throughout Pennsylvania under this contract.

Promoting an Energy Efficient Work Force

Building Operator Certification (BOC)/Building Re-Tuning (BRT) Training: BOC is a national, competency-based training program that empowers facilities personnel with the job skills and knowledge to transform workplaces into more comfortable and energy-efficient spaces. A variety of building management topics including lighting systems, heating ventilation & air conditioning (HVAC), indoor air quality, sustainability, and energy conservation are addressed. BRT trains facility managers in a systematic approach to finding low-to-no-cost energy efficiency improvements in a target building. DEP has entered into a contract with Penn State University to conduct BOC and BRT Training for facility managers from K-12 schools and local governments from July 1, 2015 through June 30, 2016. The first BOC course was offered in Allentown beginning on August 26th and ending on November 19th. Five of the participating facility managers were from K-12 schools, and three were from local governments. The first cohort of BRT began in northwest PA on November 12th at Penncrest School District. The final three building walkthroughs for BRT were conducted on December 10th at Union City Area School District, Erie County, and Greene Township. Another round of BOC *began* at DEP's Northwest Regional Office in Meadville on March 1st and *will* end on May 10th. Fifteen of the eighteen participants are from K-12 schools, and the remainder are from local governments. *Another cohort of BRT will begin in the Lehigh Valley on April 25th and end in May. Facility managers and HVAC technicians from four K-12 school districts and two Intermediate Units will be participating.* Funding is provided by the U.S. Department of Energy's (DOE) State Energy Program (SEP).

Consortium for Building Energy Innovation (CBEI): Throughout the fall semester 2014, a course entitled Leadership in Building Energy Efficiency was offered for the first time to 8 undergraduate and graduate students at Penn State's University Park campus. This course, focused on energy efficient building operations, was based on the training materials from Building Operator Certification (BOC) and Building Retuning (BRT) programs. Five building walk-downs/retunes of Penn State buildings were conducted by the students. In the spring semester 2015, three of the fall semester students continued on in an independent study course, during which they conducted four building retunes: College Township Municipal Building, two State College Area School District buildings, and one Penn State building. DEP has entered into a contract with Penn State University for FY 2015-2016 to further develop the course and expand the offering to other colleges and universities. On May 23rd – 25th, CBEI, led by Penn State University will be hosting a workshop at the Philadelphia Navy Yard to train professors from PA colleges and universities on how to teach the LBEE course at their own institutions. CBEI is also offering three 2-hour workshops on U. S. Department of Energy's (DOE) Building Energy Asset Score tool. The first workshop was held at DEP's Southeast Regional Office in Norristown on December 2nd. Phoenixville Area School District, Abington School District, and the School District of Philadelphia attended. Penn State engineering students will now provide technical assistance to two of these districts, so they can assess their buildings using the Asset Score tool. On January 20th, the second workshop was held at DEP's Southwest Regional Office in Pittsburgh. Twelve people attended, including four local governments and four K-12 school districts. The final workshop *was* held in Harrisburg on March 14th for facility managers from PA State Agencies. *Twenty-one* facility managers from DCNR, DGS, PFBC, and DMVA *attended.* Funding is provided by the U.S. DOE State Energy Program.

Industrial Energy Efficiency Assistance

DEP contracts with the Pennsylvania State University's Technical Assistance Program (PennTAP) to help Pennsylvania companies improve their competitiveness by providing technical assistance and information. DEP

and PennTAP entered into a new contract for FY 2015 – 2016 to provide 10 -12 energy efficiency assessments for small to mid-sized manufacturers. PennTAP will also provide ISO 5001 and DOE Superior Energy Performance technical assistance for several manufacturers. PennTAP's technical staff is in the outreach planning stages. Funding is provided by EPA's Pollution Prevention Incentives for States and the DOE's SEP.

PennTAP staff conducted energy efficiency site assessments at *Triangle Suspension Systems, Clearfield County and Hammond Group, Montgomery County*. *The companies represent the vehicle and vehicle equipment and advanced materials & diversified manufacturing industries respectively. A site assessment is scheduled for the upcoming month for a company that represents the advanced materials & diversified manufacturing industry in Huntingdon County.*

The PennTAP staff conducted a webinar on "Saving Money Through Energy Management Systems" on January 28, 2016. The webinar covered the international standard for energy management systems, ISO 50001 and the Department of Energy's program, Superior Energy Performance. There were approximately 13 attendees from the manufacturing sector, Penn State students and staff as well as state government employees. The webinar was recorded so companies that could not make the webinar can view the webinar when it is convenient for them.

Energy Efficient Building Codes Training

Pennsylvania's acceptance of \$99.6 million dollars from the American Recovery and Reinvestment Act (ARRA) carries with it a number of obligations regarding enforcement of the 2009 International Energy Conservation Code (IECC) across the state. Specifically, DEP has provided assurance to DOE that it will develop and implement a program that will measure and ensure that DEP has achieved 90 percent statewide compliance with the code by 2017. DEP entered into a SFY 2015 – 2016 sub-grant with Department of Community and Economic Development, who contracts with the Pennsylvania State Association of Township Supervisors to provide residential and commercial energy code trainings that will include guides and tools. The trainings, guides and tools will be developed as a result of the benchmarking study conducted by Performance System Developments.

The Pennsylvania Energy Code Collaborative (PECC), consisting of stakeholders working with energy codes, met *March 28, 2016 to discuss outreach, including finalizing and distributing a Pennsylvania Energy Code Compliance 101 factsheet with state-specific data, increasing traffic to the energy code training website, and finding ways to reach out to the real estate professionals and home inspectors.*

LED Street Lights Technical Assistance for Municipalities

The LED Street Lights Technical Assistance project consists of two main strategies to guiding municipal officials towards a transition from HID lighting to higher efficient with LED street lights. The first approach involves individual analysis of street lighting bills from municipalities in order to assess the cost and energy reductions that can be expected based on the specific LED rates offered by the utility. DEP staff performed assessments for approximately 50 municipalities in the 4th quarter of 2015, bringing the total assessments completed to around 90. These assessments were completed for municipal street lighting customers of PPL and FirstEnergy (Met-Ed, Penelec, Penn Power, & West Penn Power). The results consistently show energy (kWh) reductions of 40-60% when converting from HPS to LED street lighting. The cost savings varies among the electric utilities. FirstEnergy customers are seeing 30% - 50% reductions in their bills, and PPL customers are seeing 0% - 15% reductions. The second approach under this project is the development of a series of workshops designed to educate municipal officials on the LED technology and the process of working with the utility to begin replacements. During the 4th quarter of 2015 and 1st quarter of 2016, four workshops were held in FirstEnergy territories with total attendance of approximately 290 municipal officials. The workshops were held in Erie (50 attendees), Pittsburgh (70), and State College (110) and Hamburg (60). *Penn Power expects to have about 5,000 street lights in its system converted by the end of 2016, about half their total. By the end of the year, West Penn Power may have as many as 17,000 upgraded out of almost 70,000 in its system. If all*

22,000 street lights are converted to LED roughly 700 MWh per month and about \$165,000 per month will be saved by their municipal customers.

Application to USDOE for Competitive Solar Energy Evolution and Diffusion Studies II – State Energy Strategies (SEEDSII-SES)

DEP has submitted a Concept Paper to the US Department of Energy for a competitive solicitation for a state strategic plan for solar energy (SEEDSII-SES). DEP plans to begin work later this year on a project to coordinate and facilitate a broad stakeholder process to develop and analyze ways to increase solar deployment in Pennsylvania. We plan to submit a full application by May 2, 2016. If awarded, we'll examine how policies, regulations, and market conditions impact the potential for future deployment on solar PV, and how the state can best reap the benefits. The end result of the project activities is the creation of a realistic plan, subjected to expert review, for solar deployment in Pennsylvania for the next 5 to 10 years. This will be a 3-year project, beginning late 2016.

State Energy Program Competitive Award for Energy Efficiency Registry

DEP participated in the Energy Efficiency Registry Project Kick-Off Meeting held on February 9th in Washington DC. DEP's Energy Office is working with the Tennessee Department of Environment and Conservation, the National Association of State Energy Officials (NASEO), The Climate Registry (TCR), APX (a private sector provider of Renewable Energy Certificate registrations) and other partner states (GA, MI, MN, OR), to develop registry principles and operating rules for an energy efficiency registry through a USDOE grant. A national energy efficiency registry (NEER) would enable market-oriented energy efficiency programs to provide transparent outcomes and also provide a robust accounting tool for use in meeting voluntary or mandated goals. During the meeting, participants discussed a review of the project, partner roles and responsibilities, complementary efforts, steering/advisory committee composition, stakeholder engagement, and communications needs, and were given a registry primer presentation. The first phase of the project will involve primarily engagement of a steering/advisory committee to review existing registries and drafting of initial model registry principles and operating rules. Pending DOE approval, a second phase will involve stakeholder engagement to finalize the principles and rules and development of state roadmaps for adoption and implementation of the registry.

DOE has finalized the contract with Tennessee Department of Environment and Conservation (TDEC) in December 2015. While work has started on the project, TN is now working with all of the partners to execute grant agreements.

At the conclusion of this project, the team will deliver governance rules that enable the operation of a nationally accessible and user-friendly energy efficiency registry tool and a roadmap that enables states to understand its adoption and implementation. DEP plans to include DCED, PUC and other stakeholders in these discussions and planning as we move forward.

Environmental Cleanup and Brownfields

Administration of Land Recycling Program

Amendments to the land recycling program regulations in 25 Pa. Code Chapter 250 are anticipated to be considered at the Environmental Quality Board meeting on April 19. This final-form rulemaking will amend 25 Pa. Code Chapter 250 to update the Medium-Specific Concentrations established under the Statewide health standard to protect human health by using current toxicological data and to provide clarification on administrative requirements.

Cleanup Standards Scientific Advisory Board (CSSAB)

The next CSSAB meeting is scheduled for July 13, 2016, at 9 a.m. in Room 105, RCSOB.

Storage Tank Advisory Committee (STAC)

The next STAC meeting is scheduled for June 7, 2016, at 10 a.m. in Room 105, RCSOB.

Environmental Education

Environmental Education Grants Program (EEGP)

DEP's Environmental Education and Information Center (EEIC) awards grants to colleges and universities, K-12 schools, county conservation districts, businesses, and non-profit organizations, municipalities to do professional development, curriculum integration, hands-on lessons as well as covering costs associated with a variety of environmental education topics. This program is funded through a portion of fines and penalties collected by DEP.

The 2016 grant round opened October 5, 2015 and closed December 18, 2015. DEP received 229 grant applications totaling \$651,000. The grant awards will be announced on or around April 22, 2016, in conjunction with Earth Day. Grants are awarded for up to \$3,000.

PA Falcon Reintroduction Program

Between March 7 – 14 the female peregrine falcon laid four eggs in the nest on the 15th floor ledge. The entire incubation period lasts for 32 to 35 days. The female does most of the sitting on the eggs; the male will sit for approximately 30% of the incubation time. The male increases his hunting efforts to provide food for both of them.

The annual WILD in the City: Peregrine Falcons educator workshop will be held on Tuesday, April 5, 2016, in the second floor auditorium at the Rachel Carson State Office Building. DEP will partner with the Pennsylvania Game Commission and HersheyPark's ZooAmerica on the workshop where participants will explore the success of peregrine falcon reintroduction in the state; examine falcon specifics and endangered species concepts, and observe the falcons at the nest site. Thirty educators have registered for the workshop.

Oil and Gas

Water Supply Restoration Guidance Workgroup

Staff from the Bureau of Oil & Gas Planning and Program Management hosted the second of two workgroup meetings to discuss the first draft of the Water Supply Restoration Guidance document developed to implement requirements in the proposed revisions to Chapters 78 and 78a. The workgroup was composed of representatives from both conventional and unconventional operations, including members of both the Conventional Oil and Gas Advisory Committee (COGAC) and the Oil and Gas Technical Advisory Board (TAB). The workgroup also included individuals representing the public interest from the Pennsylvania Environmental Council and Connection for Oil, Gas and Environment in the Northern Tier. The workgroup provided significant feedback on the document that staff would consider prior to formal publication for public comment. The Water Supply Restoration Guidance document was discussed with COGAC and TAB at their meetings scheduled on March 30 and March 31, respectively.

Coal-Gas Industry Workgroup Meeting

DEP's oil and gas program, mining program, and U.S. Mine Safety and Health Administration (MSHA) technical staff met with coal and gas industry representatives on March 22 in New Stanton, Westmoreland County as part of a newly established Coal-Gas Committee assembled to discuss critical matters related to coordination between the two industries. The committee was formed as a result of a recent motion of the Oil and Gas Technical Advisory Board (TAB) to create this committee. A number of topics were discussed including (1) development of an acceptable update to the current coal pillar study, (2) pipeline installation in areas of active longwall mining, (3) drilling gas wells in collapsed roof materials of sealed-off portions of

active coal mines, (4) coordination in situations where gas wells will be prepared for mining through or where such incidents occur inadvertently, (5) tying in well deviation surveys to mine coordinate systems, (6) updates to DEP's coal module and pillar permitting processes, and (7) development of multiple shale plays from a single well pad location in areas underlain by workable coals. An overarching goal of the committee is to define process issues so all stakeholders have a clear understanding of the requirements and mechanisms available for coordinating resource development. Moving forward, committee members plan to prioritize the topics and form smaller subcommittees consisting of individuals with subject-matter expertise in order to develop solutions.

Oil and Gas Workload Report

Please see Attachment 2.

Radiation Protection

Radiation Protection Advisory Committee (RPAC)

The previous RPAC meeting was held on April 7, 2016, at 9:00 a.m. in 14th Floor Conference Room, RCSOB.

Radiation Protection Rulemaking Packages

Security Rule for Radioactive Material – This rulemaking incorporates by reference selected regulations from Title 10, Chapter I, of the U.S. Nuclear Regulatory Commission (NRC) Code of Federal Regulations (CFR) relating to radiation protection and control of radioactive materials. Recently NRC implemented new security-related regulations, known as 10 CFR Part 37, which Pennsylvania was required to adopt by March 2016. The purpose of this amendment is to reference the new Part 37, except for those subsections which only apply to the NRC. *This rulemaking was approved, published as final on January 23, 2016, and became effective on March 18, 2016.*

Radiation Protection Program Fees – This rulemaking amends Chapters 218 and 240 relating to fees. DEP must review the adequacy of established fees every three years, and the current fee review indicates the need for a fee increase in two program areas. The fees for Radioactive Materials and Decommissioning Program and the Radon Program are insufficient to cover program costs. This information was presented in a 3-year Fee Report to the RPAC and EQB in 2014 meetings of these bodies. RPAC has endorsed the increases. The proposed rulemaking is anticipated to be presented to the EQB in the second quarter of 2016.

Radiological Health – This draft proposed rulemaking will amend 25 Pa. Code Chapters 215-240 to update Computed Tomography and Fluoroscopic regulations; to address new X-ray technology that is not addressed in current regulations; and to include comprehensive updates to the radon regulations to incorporate procedures and protocols that are not addressed in the current regulations. Additional items of clarification are 45-day reporting and application requirements, specifying the number of mitigation firm employees, and numerous changes and additions to the definitions section. This rulemaking has been discussed at length with RPAC in its 2014 and 2015 meetings. DEP received the Committee's endorsement of the package in July 2015. Regulatory language is being finalized for anticipated EQB consideration in Summer 2016.

Waste Management

Solid Waste and Recycling Fund Advisory Committees

The next meeting of SWAC is scheduled for Wednesday, April 27, 2016, at 10:00 a.m. in Room 105, RCSOB.

Water Programs

New Chapter 102 and 105 Delegation Agreements

The State Conservation Commission (SCC) approved the Department's revised Chapter 102, including the post construction stormwater delegation, and the 105 delegation agreements at its September 15, 2015, meeting in Harrisburg. The agreements will be distributed statewide to conservation districts for signature in late October 2015. New conservation district managers participated in a conference call meeting in late July and webinar training was held in early August for all conservation districts and their board members. Conservation districts will have the opportunity to examine the key changes to the approved agreements prior to deciding if they desire to maintain, change, or terminate their level of delegation with the program. It is likely to take six to nine months after distribution for the conservation districts to review, approve, and return the new, fully executed agreements to the Department. Existing delegation agreements will remain in effect until a new agreement is executed or if the conservation district no longer wishes to be delegated. For conservation districts to continue delegation in one or both of the delegated programs, they must sign on to the new agreements. A termination process is established in the current delegation agreements should a conservation district wish to be no longer delegated.

Key Changes to the Chapter 102 Agreement:

- Permit Decision Guarantee/Permit Review Process (PDG/PRP) SOPs have been developed for each permit type and the timeframes in those SOPs are reflected in the delegation agreements and required output measures (ROMs).
- Post Construction Stormwater Management (PCSM) delegation has been developed in a stand-alone agreement, along with associated ROMs.
- The PCSM delegation provides for both completeness and engineering review of the PCSM plans; what was previously known as the "technical review" will be terminated. Districts who do not assume the PCSM delegation will still remain required to execute completeness reviews of PCSM plans and to make note of PCSM practices during site inspections.
- Agriculture E&S is specifically identified in the base and PCSM delegation agreements and ROMs.

Key Changes to the Chapter 105 Agreement:

- General Permit transfers and Submerged Lands License Agreement transfers will be added to the responsibilities of the delegated conservation districts.
- Customized agreements will no longer be issued. Every conservation district will be provided the same agreement with the same delegated responsibilities.
- Permit Decision Guarantee/Permit Review Process (PDG/PRP) SOPs have been developed for each permit type and the timeframes in those SOPs are reflected in the delegation agreements and ROMs.

NPDES Permitting

On May 30, DEP published a draft NPDES General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) (PAG-13). The PAG-13 General Permit currently in effect does not expire until March 2018. If the reissued PAG-13 General Permit is published as final prior to the existing PAG-13 expiration date, it will not become effective until March 2018. DEP is seeking input on the draft PAG-13 early due to the possibility of changes to the General Permit that may necessitate significant efforts on the part of MS4 permittees in preparing future Notices of Intent (NOIs) for General Permit coverage. The most significant proposed change involves the development of Pollutant Reduction Plans for stormwater discharges to waters draining to the Chesapeake Bay and to waters impaired for nutrients and sediment, with mandatory reductions in pollutant loadings. DEP provided a 60-day comment period in lieu of the standard 30-day comment period. DEP subsequently decided to extend the comment period for an additional 15 days based on several public requests. As a result, the comment period ended on August 31, 2015. DEP received 609 comments from 64 individuals/groups. Bureau of Clean Water (BCW) staff currently are reviewing the comments, preparing the responses and, where necessary, revising the general permit.

BCW staff is currently working on the re-issuance of the NPDES General Permit for Discharges of Stormwater Associated with Industrial Activities (PAG-03). The current PAG-03 expired on December 5, 2015. The proposed draft PAG-03 general permit revision was advertised in the Pa Bulletin on October 17, 2015. The draft PAG-03 is available for viewing on the Department's website. The public comment period was open for 30 days until November 16, 2015. BCW published an Administrative Extension to PAG-03 until December 5, 2016 so that the current authorization for existing general permitted discharges does not expire until a new permit can be issued. However, during the period of Administrative Extension, new NPDES PAG-03 general permits cannot be issued. Persons seeking authorizations to discharge would need to apply for an individual NPDES discharge permit. BCW staff are currently reviewing comments and preparing responses before final issuance of the new NPDES PAG-03 permit, Issuance is targeted within the next 3 months.

Sewage Sludge Land Application Permitting

The Bureau of Clean Water (BCW) is currently re-writing the three sewage sludge land application general permits numbers PAG-07, 08 and 09. These permits initially expired in April 2014. These general permits have been administratively extended since that time and will continue to be extended until new permits are issued on a statewide basis by the BCW staff. The draft revised permits will be published for public information and comment. Target timeframe for the publication of the draft permits is within the next 3 months.

Stormwater BMP Grant Program Applications Received

DEP announced a new grant program, using EPA money, which will be used by municipalities to construct stormwater Best Management Practices (BMPs) in the Chesapeake Bay Watershed in August. The deadline for applications closed on October 9, 2015. DEP received 42 applications. The most common types of BMPs requested in the applications are raingardens, trees (urban planting and riparian buffers), and stormwater management basin retrofits. Applications came from municipalities and municipal authorities in the southcentral, northeast and northcentral DEP regional offices. Details on the program are available on the DEP stormwater website. Scoring and recommendation for final selection has been completed and submitted for approval. Nineteen projects were recommended for funding, totaling \$2.28 million. Announcement of successful applicants should happen within the next couple months.

Water Allocation Permit Application Technical Guidance

DEP is working on a significant update to the 1992 guidance document entitled General Policy and Procedure for the Review of Water Allocation Permit Applications (DEP ID 392-2130-001) that will reflect current practices and outcomes of case law. The proposed revisions articulate the Department's expectations for permit application submittals and strengthen the relationship between the Water Rights Act and the Clean Streams Law for protection of water resources. In addition, the proposed revisions will incorporate six existing water allocation guidance documents that are to be rescinded upon finalization of this guidance document. The six existing water allocation policies that will be incorporated into this guidance document are:

- *392-2130-002 Subsidiary Water Allocation Permit Requirement- Current Version*
- *392-2130-004 Rescission of Water Rights- Effective May 13, 1983*
- *392-2130-005 Regulation of Interbasin Transfers- Current Version*
- *392-2130-007 Constant Gallons per Capita per Day (GPCD)- Effective July 13, 1987*
- *392-2130-008 Permit Life- Effective July 30, 1990*
- *392-2130-0012 Policy for Recognizing Succession to Water Rights as a Result of Changes of Ownership- Effective Feb. 1996*

DEP anticipates working with the applicable advisory committee later this year before publishing as draft guidance.

Drinking Water Infrastructure Needs Survey & Assessment Completed

The 2015 EPA National Drinking Water Infrastructure Needs Survey & Assessment (DWINSA) is now completed. This survey is done every four years by EPA to identify the drinking water infrastructure needs for the country and for Pennsylvania. The results of this survey are used to determine the Drinking Water State

Revolving Fund (DWSRF) capitalization grant allocations to states for the next four years. Data collection efforts began in June 2015. Pennsylvania had a total of 57 systems selected for data collection and analysis. The state has successfully completed the initial data collection and submission for all the selected systems. EPA is expected to submit the final report to Congress sometime in the winter, 2017.

Pennsylvania State Environmental Review Process (SERP) Approved

The SERP is the environmental assessment and review process the state follows for projects applying for Clean Water or Drinking Water State Revolving Loan Fund monies. These funds are administered by the Pennsylvania Infrastructure Investment Authority (PENNVEST) To be eligible for this federal funding, each state has to require projects to follow the environmental review protocols defined by NEPA, or establish a process that is “NEPA-like” that can be followed. This equivalent process must be approved by EPA. Pennsylvania’s SERP for wastewater was last approved in 1991, drinking water was 1997. Since EPA was negotiating a new operating agreement with Pennvest for the implementation of these two programs, it was determined the two SERPS needed to be updated since they are attached to this operating agreement. EPA approved both SERPs on February 23, 2016.

Triennial Review of Water Quality Standards

Section 303(c)(1) of the Clean Water Act and Federal regulations at 40 CFR Section 131.20 require that states periodically, but at least once every 3 years, review and revise as necessary, their water quality standards. Pennsylvania’s Water Quality Standards are set forth in 25 Pa Code Chapter 93 (Water Quality Standards) and Chapter 16 (Water Quality Toxics Management Strategy – Statement of Policy).

DEP is currently drafting proposed rulemaking and related documentation to support recommended revisions to Pennsylvania’s Water Quality Standards (Chapter 93), for consideration by the Environmental Quality Board (EQB). In addition, DEP is recommending related amendments to the Water Quality Toxics Management Strategy – Statement of Policy (Chapter 16). Water quality standards include designated uses, numeric and narrative criteria and antidegradation requirements for surface waters. The regulatory changes in this proposed rulemaking are the result of on-going reviews and evaluations of the water quality standards conducted by DEP. This proposed rulemaking fulfills the federally required triennial review of water quality standards as mandated by the federal Clean Water Act.

The triennial review of water quality standards proposed rulemaking (TR17) was presented to the *Water Resources Advisory Committee at the March 24, 2016 meeting*. The final rulemaking is anticipated in 2017, which will be submitted to the U.S. Environmental Protection Agency for formal review and approval in accordance with the Federal Clean Water Act.

Stream Redesignations – Sobers Run, et al. Proposed Rulemaking

As part of its continuing water quality management program and ongoing review of water quality standards, DEP is currently drafting proposed rulemaking and related documentation to support recommended revisions to stream redesignations in Pennsylvania’s Water Quality Standards (Chapter 93), for consideration by the Environmental Quality Board (EQB). The recommended amendments are to revise 25 Pa. Code Chapter 93, §§93.9c, 93.9f, and 93.9i.

Section 303(c)(1) of the federal Clean Water Act requires states to periodically review and revise, as necessary, water quality standards. This proposed rulemaking contains waterbodies that are candidates for redesignation. Stream evaluations were conducted by DEP to determine the appropriate designated use of the candidate waterbodies. The streams in this proposed rulemaking were all evaluated in response to petitions as follows:

Stream	County	Petitioner
Swiftwater Creek	Monroe	Brodhead Creek Watershed Association
Sobers Run	Northampton	Bushkill Township

Additionally, the Department is recommending corrections to some stream names as they appear in §93.9c. The United States Geologic Survey (USGS) maintains the National Hydrography Dataset (NHD) Flowline. These corrections are being proposed to maintain consistency between the Pennsylvania Code and the NHD Flowline. *The proposed rulemaking is expected to be presented to the EQB at their April 19, 2016 meeting.*

2015 Assessment and Listing Methodology

The Department published the 2015 Assessment Methodology as final in the Pennsylvania Bulletin on February 13, 2016. The Assessment Methodology is a compilation of sampling and analysis protocols used to assess the waters of the Commonwealth for purposes of the Integrated Monitoring and Assessment Report produce every two years as required by the federal Clean Water Act. The Methodology is available on the Department's website at <http://www.dep.pa.gov/Business/Water/PointNonPointMgmt/WaterQuality/Pages/Draft-2015-Assessment-Methodology.aspx#.Vt2rXqMo6> 4. The methodology consists of 19 protocols to monitor and assess biological and chemical data from rivers, streams and lakes and 8 support documents and appendices. All protocols published in the 2013 Assessment Methodology were retained with four lake protocols being revised and two new protocols added. The new protocols are the Cause and Effect survey and Bacteriological Sampling Protocol. The draft Nutrient Impact Assessment Protocol was not published as a final method as the Department decided that further development of the protocol was warranted following public comment period.

Proposed Rulemaking:

Revised Total Coliform Rule

The purpose of the proposed RTCR Chapter 109 rulemaking package is to incorporate necessary federal requirements needed to obtain primacy and to provide for the increased protection of public health. The proposal does the following:

- Strengthens public health protection by ensuring the integrity of drinking water distribution systems and monitoring for the presence of microbial contamination.
- Establishes a Maximum Contaminant Level (MCL) for E.coli.
- Creates a treatment technique for coliforms that requires public water supplies (PWSs) to assess their system and correct any problems that have been identified.

The RTCR was published in the PA Bulletin on October 3, 2015. Two public hearings were scheduled on November 3 (New Stanton) and November 5 (Norristown). The public comment period closed December 1, 2015. IRRC's comment period closed December 31, 2015. The draft final rulemaking *was presented for review and comment at the March 16, 2016 Small Water Systems TAC Board meeting.*

Disinfection Requirements Rule

The purpose of the proposed Disinfection Requirements Rule Chapter 109 rulemaking package is to strengthen requirements relating to microbial protection and disinfection by ensuring the adequacy of treatment designed to inactivate microbial pathogens and by ensuring the integrity of drinking water distribution systems. The amendments include:

- New monitoring and reporting requirements to ensure compliance with existing treatment techniques regarding log inactivation and CT requirements. Without this data, there is no way to determine compliance with the existing requirement.
- Increasing the minimum disinfectant residual requirements in the distribution system to 0.2 mg/L free or total chlorine. The Department’s existing disinfectant residual requirements for the distribution system have not been substantially updated since 1992 and require the maintenance of a detectable residual that is defined as 0.02 mg/L. This is not protective of public health because a residual of 0.02 mg/L does not represent a true detectable residual and the level is inadequate to protect against microbial growth within the distribution system.
- The amendments also include minor clarifications to the Stage 2 Disinfectants/Disinfection Byproducts Rule (Stage 2 DBPR), Long Term 2 Enhanced Surface Water Treatment Rule (LT2) and the Lead and Copper Rule Short-Term Revisions (LCRSTR) in order to obtain or maintain primacy.

The pre-draft proposed rulemaking was originally included in the Proposed Revised Total Coliform Rule (RTCR), which was presented to the Small Water Systems Technical Assistance Center (TAC) Board on June 18 and September 23, 2014 for review and comment. However, on April 21, 2015, the Environmental Quality Board approved the proposed RTCR with modifications. The modifications included splitting out the “Non-RTCR” provisions for additional stakeholder input. The motion was made with the expectation that the “Non-RTCR” provisions would be revisited in short order. On April 30, 2015, the TAC Board voted to recommend that the Department further split the “Non-RTCR” provisions to focus solely on the disinfection requirements and the minor corrections needed to obtain/maintain primacy.

In order to provide additional opportunity for stakeholder input on the disinfection requirements, TAC meetings were convened on May 18, May 26, June 16 and June 30, 2015. Two meetings were also held with large water systems on June 29 and July 16, 2015 to gather additional comments. During these meetings, 14 water systems and organizations delivered presentations to help inform the discussion.

The proposal was presented to the EQB for consideration on Nov 17, 2015 and was approved as a proposed rulemaking. On December 30, 2015, the Disinfections Requirements Rule (7-520) was transmitted to the Office of Attorney General commencing their 30-day review. The proposed rulemaking was published in the PA Bulletin on February 20, 2016, opening the public comment period. Three hearings are scheduled for March 28 (Harrisburg), April 5 (Norristown), and April 7 (Pittsburgh). The public comment period closes on April 19, 2016.

Water Resources Planning

Presque Isle Bay Public Advisory Committee (PIBPAC) – Final Meeting

On February 29, 2016, the final meeting of PIBPAC was held at the Tom Ridge Environmental Center. PIBPAC is an informal public advisory committee to DEP and has been providing a method for the public to participate in Presque Isle Bay restoration efforts since the late 1980s. They succeeded in a citizen petition to include Presque Isle Bay in the list of Great Lakes Areas of Concern in 1991 and helped direct environmental improvements that led to the delisting of the Bay in 2013. There was a unanimous vote to conclude the PIBPAC and join forces with the upcoming Pennsylvania Lake Erie Environmental Forum, which will seek to inform the public and solicit comments on environmental issues facing the Lake Erie watershed in Pennsylvania. The first meeting of the Forum is scheduled for April 18, 2016.

Attachment 1

2016 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.”

April	
14	Air Quality Technical Advisory Committee Meeting, 9:15 a.m., Room 105 RCSOB
19	Environmental Quality Board, 9 a.m., Room105 RCSOB
19	Mine Families First Response & Communications Advisory Council Meeting, 10 a.m., Fayette Room, DEP New Stanton Office, 131 Broadview Rd., New Stanton
25	<i>Mining and Reclamation Advisory Board, 10 a.m., Room 105 RCSOB</i>
27	Small Business Compliance Advisory Committee, 10 a.m., 12 th Floor Conference Room, RCSOB
27	Solid Waste Advisory Committee, 10 a.m., Room 105 RCSOB
May	
3	Climate Change Advisory Committee, 9:00 a.m. Room 105 RCSOB
4	<i>Aggregate Advisory Board, 10 a.m., Susquehanna Conference Room, South-central Regional Office, 909 Elmerton Avenue, Harrisburg</i>
17	Environmental Quality Board, 9:00 a.m., Room 105 RCSOB
18	<i>Conventional Oil and Gas Advisory Committee, 10:00 am, Room 105 RCSOB</i>
19	<i>Oil and Gas Technical Advisory Committee, 10:00 am, Room 105 RCSOB</i>
June	
7	Storage Tank Advisory Committee, 10 a.m., Room 105 RCSOB
9	Air Quality Technical Advisory Committee Meeting, 9:15 a.m., Room 105 RCSOB
21	Environmental Quality Board, 9:00 a.m., Room 105 RCSOB
30	Solid Waste Advisory Committee, 10 a.m., Room 105 RCSOB
July	
12	<i>Climate Change Advisory Committee, 9:00 a.m., Room 105 RCSOB</i>
13	<i>Cleanup Standards Scientific Advisory Board, 9:00 a.m., 14th Floor Conference Room, RCSOB</i>
27	<i>Small Business Compliance Advisory Committee, 10 a.m., 12th Floor Conference Room, RCSOB</i>

Attachment 2

Oil and Gas Workload Report

YTD WELL PERMIT APPLICATIONS - 1/1/2016 to 3/25/2016						
	RECEIVED	UNDER REVIEW	PROCESSED	PERMITS ISSUED	WELLS PERMITTED	OTHER DISPOSITIONS
CONVENTIONAL	63	34	34	34	34	0
UNCONVENTIONAL	302	132	393	392	391	1

Sub Total	365	166	427	426	425	1
AUTHORIZATIONS	147	92	197	196	N/A	1
Total	512	258	624	622	620	2

WEEKLY WELL PERMIT APPLICATIONS – 3/19/2016 to 3/25/2016

	RECEIVED	UNDER REVIEW	PROCESSED	PERMITS ISSUED	WELLS PERMITTED	OTHER DISPOSITIONS
CONVENTIONAL	0	0	2	2	2	0
UNCONVENTIONAL	3	3	10	10	10	0
Sub Total	3	3	12	12	12	0
AUTHORIZATIONS	3	3	6	6	N/A	0
Total	6	6	18	18	18	0

HISTORICAL WELL PERMIT APPLICATIONS AS OF 3/25/2016

	RECEIVED	PROCESSED	PERMITS ISSUED	WELLS PERMITTED	OTHER DISPOSITIONS	ACTIVE PERMITS
CONVENTIONAL	197,242	197,198	195,976	189,913	1,222	104,176
UNCONVENTIONAL	21,667	21,503	21,066	17,381	437	10,283
Sub Total	218,909	218,701	217,042	207,294	1,659	114,459
AUTHORIZATIONS	41,721	41,432	41,125	N/A	304	18,584
Total	260,630	260,133	258,170	247,947	1,963	133,043

YTD INSPECTIONS - 1/1/2016 to 3/25/2016

	INSPECTIONS	FACILITIES INSPECTED	VIOLATIONS	ENFORCEMENTS
CONVENTIONAL	3,778	3,394	758	86
UNCONVENTIONAL	3,434	2,605	169	44
CLIENT/SITE	931	0	355	76
Total	8,143	5,999	1,282	206

WEEKLY INSPECTIONS - 3/19/2016 to 3/25/2016

	INSPECTIONS	FACILITIES INSPECTED	VIOLATIONS	ENFORCEMENTS
CONVENTIONAL	279	273	76	1
UNCONVENTIONAL	235	222	6	1
CLIENT/SITE	42	0	0	6
Total	556	495	82	8

WELLS DRILLED

	Two Years Prior 1/1/2014 to 3/25/2014	One Year Prior 1/1/2015 to 3/25/2015	Year To Date 1/1/2016 to 3/25/2016	Week of 3/19/2016 to 3/25/2016	As of 3/25/2016
CONVENTIONAL	179	91	15	2	194,011
UNCONVENTIONAL	294	210	104	6	9,718
Total	473	301	119	8	203,729

This report was prepared by Abbey Cadden, Policy Aide, DEP Policy Office. For questions or requests, please email acadden@pa.gov or call (717) 705-3769.