



Northeast Regional Office (Wilkes-Barre)

2 Public Square
Wilkes-Barre, PA 18701-1915

Tuesday, November 23, 2021

Stephanie Koehne
2050 W. Sam Houston Parkway South, Suite 1000
Houston, TX 77042

Dear Stephanie Koehne:

Thank you for using the DEP Permit Application Consultation Tool (PACT) submittal. Your project information has been received by the Department of Environmental Protection. Based on your answers to the PACT questionnaire, the tool has provided the attached responses highlighting important considerations related to your project. These responses are based solely on the project information you provided, and may not be comprehensive, but will serve as a starting point for the conference.

DEP is willing to schedule a multi program meeting with you to discuss your project. If you are interested, please respond to me at jbuczynski@pa.gov with several dates that are available for you and your consultant to meet with our programs. The dates are recommended to be at least 2 to 3 weeks in the future to avoid most scheduling conflicts. This conference, while not required, will assist the DEP in coordinating the review of all necessary permits for proposed projects to ensure timely processing, efficient use of resources, thorough environmental review, and consistent department action on proposed projects.

Please be aware that the applicant has the responsibility of complying with all relevant environmental laws and regulations for the project, and permits may be required before construction or the commencement of operations.

Should you have any question, please contact me directly at 570.826.2521.

Sincerely,

Joseph J. Buczynski, P.E., Assistant Regional Director, Northeast Regional Office (Wilkes-Barre)

The following Permit Application information was submitted to DEP on 11/23/2021 5:51:00 PM.

Project Overview

Project Name: Nanticoke Project

Address 1: Nanticoke, Pennsylvania

Address 2: not specified

City: not specified

State: PA

Zip: not specified

Latitude: 41.11371

Longitude: -76.31154

Selected Municipalities: Nanticoke (Luzerne)
Newport Twp (Luzerne)

Associated DEP Office: Northeast Regional Office (Wilkes-Barre)

Applicant Information

Applicant Company: not specified

Address 1: 2050 W. Sam Houston Parkway South, Suite 1000

Address 2: not specified

City: Houston

State: TX

Zip: 77042

Contact: Stephanie Koehne

Contact e-mail: SLK@nacero.com

Contact phone: 480-450-2981

Consultant Information

Consultant Company: not specified

Address 1: not specified

Address 2: not specified

City: not specified

State: PA

Zip: not specified

Contact: not specified

Contact e-mail: not specified

Contact phone: not specified

Project Details

Anticipated Timeframe: Commencement: not specified; Completion: not specified

Project Summary: Nacero PA 1 LLC (herein referred to as Nacero) is developing a new facility in Nanticoke, Pennsylvania, Luzerne County (this development herein referred to as the Nanticoke Project). The Nanticoke Facility will be constructed on land in the City of Nanticoke in Luzerne County, Pennsylvania, approximately 97 miles northeast of Philadelphia, Pennsylvania (the Site) (refer to figure number 1 for the Nanticoke Energy Park Site Location Map, document number PA1-100000-EV-PSE-000-0001). The Nanticoke Project will be located on approximately 3,000 acres of land, which Nacero has under option.

Nacero is developing the Nanticoke Project to design, engineer, construct, commission and operate a new natural gas processing and gasoline production facility that will convert natural gas to methanol, and methanol to gasoline. The distribution of finished gasoline component from

the Facility will include transport to off-site locations for blending into pump-ready gasoline and blending into pump-ready gasoline within the Facility to serve local and regional markets. The new industrial facility will be constructed on land in the Newport Township in Nanticoke, Pennsylvania. The Nanticoke Project will be developed on existing Brownfield acreage and is ideal to repurpose for energy related use. The Nanticoke Project is in an area where utility and rail services are favorable.

The Nanticoke Project is a unique large-scale energy project that produces zero-sulfur gasoline from natural gas using an environmentally superior process with a smaller carbon footprint compared to traditional gasoline production processes. The result is cost-competitive, retail-ready gasoline for use in today's cars and trucks with the added benefit of improved effectiveness of vehicle catalytic converters, which will help reduce ground level ozone. The Nanticoke Project will utilize the Haldor Topsoe's (HT) SynCOR Methanol™ technology to convert natural gas to methanol, HT Improved Gasoline Synthesis (TIGAS) technology to convert methanol to gasoline, and hydrogen/hydro-processing technologies to create finished gasoline component. HT, based in Denmark, is a world leader in process technology and catalyst production that has licensed the same process for a facility constructed and operated in Turkmenistan, which currently is the only natural gas to gasoline process plant operating at large-scale in the world today. The Nanticoke Project will be one of the first, only second to Nacero's TX 1 LLC in Penwell, Texas. Nacero believes that utilization of this process within the United States will set a new standard for domestic gasoline product.

Additional information regarding Nacero's products, facilities and its impact of the environment can be found at nacero.co.

Project NAICS Code: not specified

Project SIC Code: not specified

Job Creation: not specified

Economic impact: not specified

Environmental Justice checked?: Yes

Existing permits checked?: No

Permits listed: not specified

Pipeline Proposed?: No

Transported in pipeline: not specified

Pipeline NAICS Code: not specified

Pipeline SIC Code: not specified

Pipeline type: not specified

Regulated by FERC?: No

FERC Docket number: not specified

Will be pre-filed with FERC?: No

Attachments

These links, if present, provide you access to the attachments that you provided as part of the Pre-Application Information. You are advised to save the attachments to your local computer or a network share when prompted by your browser.

[FIGURE 1 Proposed Nanticoke Energy Park Site Location Map.pdf](#)

[Nanticoke 2021-02-12 Parcel Map.pdf](#)

[EXH-NANTICOKE-TAX-PARCELS-\(PROJ BNDRY\) \(002\).pdf](#)

DEP Permit Application Consultation Tool Responses

The responses are based solely on the project information you provided and may not be comprehensive. Through pre-application meetings and through the course of its review of permit applications, the Department of Environmental Protection (DEP) may emphasize the need for additional permits beyond what is outlined below. The applicant has the responsibility of complying with all relevant environmental laws and regulations for the project. Through its review of permit applications, DEP must ensure that the project meets all applicable statutes and regulations relevant to the protection of the Commonwealth's public natural resources.

The applicant should contact the Pennsylvania Historical and Museum Commission (PHMC), Bureau for Historic Preservation, Box 1026, Harrisburg, PA 17108-1026, telephone number 717.783.8946, to determine if the project will pass through or otherwise impact historic or archaeological sites. Any review comments by the commission should be included with the appropriate DEP permit applications. PHMC environmental review information can be found at [the Commission's website](#).

The Pennsylvania Conservation Explorer Tool should be cross-checked against the site location to determine if any resources of special concern are located within the project area. Relevant information should be included with the appropriate DEP permit applications. Pennsylvania Natural Diversity Inventory List (PNDI) information can be found at Pennsylvania Department of Conservation and Natural Resources ([DCNR's PNDI web page](#)).

If your project will cross any government owned (i.e. state land, county park, local park, etc.) or conserved lands (i.e. land trust lands, preserves lands, municipal open space lands, etc.) the park/conserved land may have been acquired or developed with federal or state funds which may restrict the use of the site to outdoor public recreation uses. If the land has been acquired or developed with federal or state funds, no change of use and no transfer of ownership, control, or interest in the property may occur and no encumbrances may be placed on the property without coordination with DCNR Bureau of Recreation and Conservation.

The applicant should contact the DCNR, Bureau for Recreation and Conservation, 400 Market Street, Harrisburg, PA 17101, telephone number 717.787.6640, to determine if the land has been acquired or developed with federal or state funds.

Contaminated soil handling or disposal questions should be directed to the Waste Management Program in the appropriate regional office. If you have remediation questions as they relate to Act 2 or the Corrective Action Process (regulated tanks), contact the Environmental Cleanup and Brownfields Program in the appropriate regional office.

Any utility company with transmission lines within the project area should be contacted at least 30 days prior to the start of the work by the contractor. The applicant or contractor should call 1.800.242.1776 (PA One Call) before beginning any excavation.

All downstream public water supplies which may potentially be affected by sedimentation or stream flow changes from the project must be directly contacted by the contractor at least 30 days prior to the start of the work. Any public water supply problem resulting from this project must immediately be reported to the Safe Drinking Water Program at the appropriate regional office.

The applicant may access [DEP's eMapPA tool](#) to view the facilities of environmental interest or concern that are near your proposed project.

Certain permits require enhanced public notice and participation as required by DEP's Environmental Justice Public Participation Policy (Document ID: 012-0501-002). An Environmental Justice Area is any census block group with a 30 percent or greater minority population, or 20 percent or greater at or below the poverty level, as defined by the most recent census data provided by the US Census Bureau (American Community Survey). To determine if the project is located in or within a 0.5-mile radius of an Environmental Justice Area, please use the online [Environmental Justice Areas Viewer](#). For detailed information on how this is integrated with the permit application process, please see the [Environmental Justice Public Participation Policy](#).

Some permit applications require newspaper notifications (e.g. Act 14 Municipality notifications, PNDI clearances) as part of the application submittals. This should be considered in the project timeline.

DEP may coordinate the review of multiple permits for proposed projects to ensure efficient use of its resources, thorough environmental review, and consistent DEP action on proposed projects before the commencement of operations, construction or other activities that require DEP permits or approvals.

After submission of an application to DEP, many types of application packages can be tracked online via [eFACTS on the Web](#).

You may also view [DEP's Policy on Permit Review Process and Permit Decision Guarantee](#), which contains, in Appendix A, the timeframes in which you can expect a final decision on your permit application, listed by authorization, assuming there are no application deficiencies.

Applicants are encouraged to schedule a pre-application meeting with the Assistant Regional Director (ARD) in the appropriate regional office.

For interstate natural gas transmission pipeline projects regulated by the Federal Regulatory Commission (FERC) and for natural gas transmission projects that cross two DEP regions and three or more counties, pre-application meetings should be scheduled with the Regional Permit Coordination Office at 717-772-5987 or RA-RegionalPermit@pa.gov.

For oil and gas projects, pre-application meetings may be scheduled with the District Oil and Gas Manager in the appropriate DEP District Oil and Gas Office (DOGO).

For mining projects, please contact the Chief of the Permitting Section of the appropriate District Mining Office (DMO). There are pre-application packages available for both coal and noncoal mining activities. Generally, the DMO can provide all necessary permits needed for a project with the exception of Air and Dam permits and Aboveground Storage Tank (AST) registrations on industrial mineral mine sites. The DMO will work with the applicant to identify the additional permits needed and will coordinate with the appropriate regional office.

To assist with the scheduling of pre-application meetings or follow-up with a regional program, a list of the appropriate contacts can be found at the end of this document.

Should you have any questions on the permitting of this project or if the project is significantly modified in the future, please contact the ARD in the appropriate regional office.

Air Quality

- A. A Plan Approval or General Permit may be required if emissions are from sources other than those on DEP's Air Permitting exemptions list (see Plan Approval and Operating Permit Exemption Policy, Document Number [275-2101-003](#) in [DEP's eLibrary](#)). If a source is not exempt, an Air Plan Approval or General Permit will be required per [25 Pa. Code Chapter 127](#).

While DEP advises potential applicants to schedule a pre-application conference to discuss potential permit requirements, applicants may also submit a Request for Determination to clarify Air Quality permitting needs prior to commencing construction.

The exemption list, Request for Determination Form and Instructions, and permit applications can be found at [the Bureau of Air Quality's Request for Determination page](#).

Information pertaining to Air Quality General Permits can be found at [the Bureau of Air Quality's General Permits page](#).

[in response to questions: 1,4,8]

- B. All asbestos abatement procedures must conform to the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 61, Subpart M. Any contractor removing asbestos must be licensed by the Pennsylvania Department of Labor and Industry.

Removal of asbestos materials must take place prior to general demolition and also requires at least 10 days' advance notification to the following individuals:

- Regional Air Quality Manager
- Region III Asbestos Coordinator, U.S. Environmental Protection Agency, 1650 Arch Street Philadelphia, PA 19103-2029
- Allegheny County Health Department (only for Allegheny County projects), Air Quality Division Clack Health Center, Building 7, 3901 Penn Avenue, Pittsburgh, PA 15224, 412.578.8103
- City of Philadelphia (only for Philadelphia County), Department of Public Health, Air Management Services Asbestos Control Unit, 321 University Avenue, Philadelphia, PA 19104-4597, 215.685.7576.

Additional information along with appropriate forms can be found at [the Bureau of Air Quality's Asbestos Information page](#).

[in response to question: 3]

- C. Fugitive and malodorous emissions must be controlled according to [25 Pa. Code §§ 123.1 and 123.31](#).

[in response to question: 1]

Environmental Cleanup

- A. Migration of contaminants through air, soil, soil vapor, or groundwater should be thoroughly addressed so cleanup actions remain protective. If you are remediating a site under a Notice of Intent to Remediate or a Special Industrial Area Agreement, cleanup liability protection is available for attaining a cleanup standard under Act 2. If a response under Act 2, state or federal superfund programs has already occurred, land development permitting and planning will require the maintenance of the protectiveness of the existing remedy.

If cleanup is required for a release from a regulated storage tank, the requirements of 25 Pa. Code Chapter 245 (Corrective Actions) and relevant sections of 25 Pa. Code Chapter

250 (Act 2) should be followed. Cleanup liability protection for either the current or future owners depends on attainment of one or a combination of the available standards under Act 2 for which the contaminants in question are defined in [25 Pa. Code Chapter 250](#).

For additional information, please contact the appropriate regional office or visit [DEP's Land Recycling web site](#).

[in response to question: 16]

- B. If regulated aboveground or underground storage tanks are to be installed or removed, contact the Storage Tank Program in the appropriate regional office to ensure that you have met the requirements of [25 Pa. Code Chapter 245](#).

Most smaller tank installations will not require a permit prior to construction (i.e. the Site Specific Installation Permit). All regulated storage tanks require installation by DEP-certified installers, and registration with DEP. Regarding requirements for tank registration, please contact the Division of Storage Tanks at 717.772.5599 or visit [the Storage Tank Division's web site](#). Please note that aboveground storage tanks regulated under the Surface Mine Conservation and Reclamation Act are exempt from the requirements of 25 PA Code Chapter 245.

[in response to questions: 12,13]

- C. All new large aboveground storage tanks (AST), defined as tanks over 21,000 gallons, and all new large AST facilities with an aggregate capacity over 21,000 gallons, require a Site-Specific Installation Permit prior to installation. Additionally, any new regulated field-constructed underground storage tank, and any new highly hazardous storage tank (see definitions in [25 Pa. Code § 245.1](#)), also require a Site-Specific Installation Permit prior to installation.

Appropriate application forms can be found in [DEP's eLibrary Storage Tank Site Specific Installation Folder](#).

You may also need to coordinate with the Department of Labor and Industry regarding tanks that store flammable or combustible liquids. Please visit [that Department's web page on flammable and combustible liquids](#) for more information.

[in response to question: 13]

Mining

- A. In general, any section of this project which would lie above or near an active or abandoned underground mine would be at some risk of mine subsidence, with the level of

risk dependent on various factors. The California DMO has an extensive repository of underground mine maps, some of which may be in the vicinity of this project. For an appointment to research these maps, please contact DEP's California DMO.

Questions regarding mine subsidence should be directed to DEP's California DMO.

Please call the appropriate DMO to discuss the use of explosives and determine if a DEP permit or approval is required.

More information can also be found at [the Mine Subsidence Section's web site](#).

[in response to question: 19]

Oil and Gas Management

- A. An Oil and Gas Permit, a National Pollutant Discharge Elimination System (NPDES) permit for discharges associated with construction activity or Encroachment permit issued by the Oil and Gas Program is required.

For mining-related projects, the permitting is incorporated in the mining permit application.

The governing regulations for Oil and Gas wells can be found at [25 PA Code Chapters 78 and 79](#).

The applicant should contact the appropriate DOGO to determine the necessary permits or approvals required for this project or visit [DEP's Oil and Gas web site](#) for further information.

Appropriate application forms can be found in [DEP's eLibrary folder for Oil and Gas](#).

[in response to question: 23]

Waterways and Wetlands

- A. A structure located in, along or across or projecting into a watercourse, floodway or body of water, or activity which expands or diminishes the course, current or cross section of a watercourse, floodway or body of water requires a Water Obstruction and Encroachment Permit from the Waterways and Wetlands Program. The area regulated includes the watercourse, the floodway and all wetlands. The floodway area includes the channel of the watercourse and portions of the adjoining floodplains which are reasonable required to carry and discharge the 100-year frequency flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by

Federal Emergency Management Agency (FEMA). In an area where no FEMA maps or studies have defined the boundary of the 100-year frequency floodway, it is assumed, absent evidence to the contrary, that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

The regulations governing water obstructions and encroachments can be found at [25 Pa. Code Chapter 105](#).

If a project will impact a watercourse that is within lands of the Commonwealth, a Submerged Land License Agreement is required under 25 Pa. Code Chapter 105 and under section 514 of The Administrative Code of 1929 (71 P.S. § 194) are subject to annual charges.

Please contact the Waterways and Wetlands Program at the appropriate Regional Office to verify if your project will require a Submerged Lands License Agreement.

The appropriate application forms can be found [in DEP's eLibrary Waterways Engineering and Wetlands permit and authorization folder](#).

[in response to question: 32]

Waste Management

- A. If the project involves the generation of hazardous waste, no permit is required; however, the generators must obtain an identification number. Generators of hazardous waste must file a Notification of Regulated Waste Activity form to obtain an EPA Hazardous Waste ID Number, use licensed transporters, and ship hazardous waste to a permitted facility. Depending on the quantity of hazardous waste generated, there are additional requirements on the accumulation of hazardous waste, training of employees, recordkeeping and reporting.

Form and information are available at [DEP's web site for Hazardous Waste Generators](#).

[in response to question: 34]

- B. For construction/demolition and deconstruction projects, you should evaluate the materials generated to determine what can be recycled, salvaged or processed for reuse. Demolition waste cannot be burned. Visit [DEP's web page for construction/demolition waste](#).

[in response to question: 35]

- C. Consider salvaging reusable or deconstructed architectural and building materials such as plumbing fixtures, light fixtures, doors-windows-transoms, hardware, radiators, cabinets,

and flooring, etc., at one of the Construction Material Reuse facilities in the region. These facilities are listed in the yellow pages under "Building Materials - Used." In many cases, these facilities will pick up reusable/deconstructed/surplus materials or provide staff to help with their removal and transportation "free of charge." Any remaining solid waste including non-usable construction and demolition waste, asbestos, and other materials must be properly stored and disposed promptly at an approved facility. For further information, contact the Waste Management Program in the appropriate regional office.

[in response to question: 3]

Radiation Protection

- A. It is illegal to abandon or dispose of self-luminous signs, except by transfer to companies licensed by the Nuclear Regulatory Commission or by an Agreement State. Manufacturers of the devices have radioactive materials licenses, which allow them to accept the return of the devices. Self luminous signs cannot be discarded as municipal or residual waste, nor disposed as a hazardous waste. Improper disposal can result in tritium releases to the environment or accidental human exposure. All radioactive exit signs must be segregated from the waste and disposed of properly. Radioactive exit signs can be identified by the labeling on the units and their ability to light without power.

[in response to questions: 3,37]

Safe Drinking Water

- A. Abandoned water wells should be handled in accordance with the requirements of Act 610, the Water Well Drillers License Act, and as specified by DCNR through the Pennsylvania Geological Survey. Abandonment, removal or plugging of water lines must be coordinated with the owner of the main lines. Please contact the appropriate regional office for more information.

Additional information from [the Pennsylvania Geological Survey](#).

For more information, please visit [the web page for DEP's Source Water Protection program](#).

[in response to question: 3]

- B. Under [25 Pa. Code § 109.501](#) of the Safe Drinking Water Regulations, it is unlawful for any person to “substantially modify” a permitted public water system without first obtaining an amended construction permit from DEP. Substantial modifications include any change that may affect the quantity or quality of the water served to the public. This includes, but is not limited to, the addition of new sources; the expansion of existing

facilities; changes in treatment processes; addition, removal, renovation or substitution of equipment or facilities; pumping stations; and storage reservoirs and bulk water loading stations. Public water systems must submit a formal application for an amended permit prior to modifications to their water systems. Appropriate applications can be found [in DEP's eLibrary Permits folder for Safe Drinking Water](#).

[in response to question: 43]

- C. Registration and reporting of water use is required for all public water supply sources. It is also required for any other surface or groundwater withdrawals exceeding an average rate of 10,000 gallons per day (gpd) or water obtained through a purchase interconnection exceeding 100,000 gpd in any 30-day period. The regulations governing this activity can be found at [25 Pa. Code Chapter 110](#) as promulgated under Act 220.

The registration forms can be found [at Safe Drinking Water's webpage Water Allocation](#).

[in response to question: 45]

- D. Plumbing for this project must be installed according to local plumbing codes.

[in response to question: 46]

- E. Commonwealth regulations now prohibit the use of lead pipe, lead-based solder and lead-based fittings in the plumbing systems of potable drinking water supplies. The Lead Ban Act was signed into law on June 12, 2014 with an effective date of January 4, 2014. All plumbing contracts associated with this project must specify use of lead-free solders and fixtures. Lead-free solder contains less than 0.2 percent lead, while fixtures must contain less than 0.25 percent lead to be certified as lead-free.

[in response to question: 46]

Clean Water

- A. A National Pollutant Discharge Elimination System (NPDES) permit may be required for any point source discharge to waters of the Commonwealth. DEP issues a number of different types of NPDES permits. The type of NPDES permit required for a project will depend upon the nature of the proposed activity and whether the project discharges to a special protection water (High Quality (HQ) or Exceptional Value (EV)).

The appropriate applications forms can be found at [the Clean Water program's web page for Water Quality Management](#).

For construction activities, the NPDES permit will typically be a General Permit PAG-02

unless the project is located in a HQEV Watershed, or there is a potential for contaminated soil on site. If the project is located within an HQ or EV Watershed, an individual NPDES permit is required. If there is a potential for encountering contaminated soil or groundwater on site, an individual NPDES permit may be required depending on the remediation methods selected. Persons proposing or conducting earth disturbance activities requiring the NPDES permit must develop an Erosion and Sedimentation Control (E&S) Plan to manage construction stormwater and post-construction stormwater.

If your project involves construction, activities, including clearing and grubbing, grading and excavation activities, involving one acre or more of earth disturbance, a NPDES permit for Stormwater Discharges Associated with Construction Activities is required.

A NPDES permit for stormwater associated with construction activity or an E&S Plan Approval is required depending on the size of the disturbance. The regulations governing earth disturbance can be found at [25 Pa. Code Chapter 102](#).

Written E&S Plans are required for projects if earth disturbance activities will result in a total disturbance of equal to or greater than 5,000 square feet or if the activity has the potential to discharge to a waterway classified as a HQ or EV water at [25 Pa. Code Chapter 93](#).

For additional information on earth disturbance activities and to assist with the preparation of E&S Plans to comply with regulations, please see the [Erosion and Sediment Pollution Control Program Manual](#) (DEP ID: 363 2134 008). Appropriate application forms can also be found [in the eLibrary](#).

Industrial facilities may be required to obtain [a separate NPDES permit for stormwater associated with industrial activity](#) at the conclusion of associated construction activities.

For mining activities in special protection watersheds, please refer to the Anti-degradation Supplement for Mining Permits (5600-PM-BMP0007). For mine sites that will need an NPDES permit either the Application for Individual NPDES Permit Associated with Mining Activities (5600-PM-BMP0032) or the Notice of Intent (NOI) for Coverage Under the General Permit (BMR GP-104) NPDES for Stormwater Associated with Mining Activities (5600-PM-MR0008) will be needed. These documents can be found [in DEP's eLibrary Mining Permit and Authorizations folder](#).

[in response to question: 49]

- B. For specific technical guidance on your project, please contact the County Conservation District Office for the county in which your project is located. The Conservation District will, if necessary, review and determine the adequacy of the E&S Plans and NPDES

General Permits (PAG-02). Individual NPDES permits applications are received and reviewed by the Conservation District; however, the permits are issued by one of DEP's regional offices after final review and concurrence.

[in response to question: 51]

- C. If treatment facilities are needed to meet the effluent limitations imposed by the NPDES permit, a Water Quality Management Part II permit is required for the construction of those treatment facilities. Projects involving new sewer systems, sewer extensions that will serve greater than 250 equivalent dwelling units, interceptor sewers or public sewage pump stations also require a Water Quality Management Part II Permit for the construction of those facilities. The appropriate application forms can be found [Clean Water program's permitting web site](#).

Please visit [the Clean Water program's web site for Wastewater Management](#) or contact the Clean Water Program at the appropriate regional office for more information.

[in response to question: 52]

- D. If the project represents a sewage increase of 400 gallons or more to an existing on-lot system, or to an existing public sewage system, a revision to the local municipality's official sewage plan is necessary. Application forms can be found [in DEP's eLibrary planning forms folder](#).

Please note that such sewage planning approval must be obtained prior to the issuance of a building permit by the local municipality; allow 60-90 days lead time for processing.

Visit the Clean Water program's web site for [Act 537 Sewage Facilities Planning](#) or the Clean Water Program at the appropriate regional office.

[in response to question: 54]

- E. If new or replaced tanks, pipelines or natural gas transmission lines are to be hydrostatically tested, discharges of hydrostatic test waters require a National Pollutant Discharge Elimination System (NPDES) permit. The governing regulations regarding wastewater discharges can be found at [25 Pa. Code Chapters 91-96](#).

The appropriate application forms can be found [in DEP's eLibrary hydrostatic testing permit and authorization folder](#).

Please visit [the Clean Water program's web site](#) or contact the Clean Water Program at the appropriate regional office for additional information. One-month lead time is requested.

[in response to question: 56]

- F. Waste concrete and concrete truck wash down can be harmful to aquatic life. Care should be taken to keep waste concrete and concrete truck wastewater from reaching storm drains, streams, drainage ditches and catch basins. Such wash waters are an industrial waste and are not permitted to be discharged unless authorized under a National Pollutant Discharge Elimination System (NPDES) permit.

[in response to question: 57]

- G. Any activities utilizing pollutants are required by 25 Pa. Code § 91.34 to take all necessary measures to prevent the substances from reaching waters of the Commonwealth. A Preparedness, Prevention and Contingency Plan (PPC Plan) must be developed and maintained on site for this project in accordance with the "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" which can be found at [Guidelines for the Development and Implementation of Environmental Emergency Response Plans in eLibrary](#). This includes projects proposing Horizontal Directional Drilling and other trenchless technology utilizing drilling fluid.

[in response to questions: 51,52,57]

Pollution Prevention and Energy Assistance

- A. DEP recommends that the applicant consider incorporating green technology for the new construction. Please visit DEP's webpage on [Energy Conservation and Energy Efficiency](#). While many of the recommendations are for existing buildings, the same principles apply for new construction. Energy saving considerations for buildings may include:
 - a. Building orientation that maximizes the use of light and heat from the sun is the most effective way of producing an energy efficient building.
 - b. The purchase and proper integration of EnergyStar Appliances, such as energy efficient windows, insulation, heating and cooling systems, and lighting systems will greatly decrease energy costs.
 - c. Day-lighting is a cost-effective option that results in a savings of tens of thousands of dollars annually. It also has been documented in several studies that day-lighting improves productivity.

[in response to question: 46]

Questions and Answers Received from Applicant

Question #	Question Text	Yes/No Answer
1	Will the project involve the installation, modification or reactivation of a facility or equipment, stationary or mobile, that will result in the production of air emissions (i.e., NOX, VOC, etc.) from sources (existing or proposed)?	Yes
2	Will the project involve the removal of asbestos?	No
3	Will the project involve construction/demolition and deconstruction operations?	Yes
4	Will the construction/demolition and deconstruction operations require the use of temporary equipment, stationary or mobile, that will result in the production of air emissions such as diesel fired generators?	Yes
5	Will the project involve Bridge Painting?	No
6	Is the project located in the City of Philadelphia?	No
7	Is the project located in Allegheny County?	No
8	Will the project emit air pollutants requiring an Air Quality Plan Approval or Operating Permit?	Yes
9	Has there been a release of a regulated substance(s) as defined by the Land Recycling and Environmental Remediation Standards Act (Act 2)?	No
10	Has remediation under a state or federal program occurred at the site? (Act-2, Storage Tanks, HSCA, Superfund, CERCLA, RCRA, FUDS, etc.)	No
11	Has there been a release of a regulated substance(s) as defined by the Storage Tank and Spill Prevention Act?	No
12	Does this project involve the installation or removal of any regulated aboveground or underground storage tanks?	Yes
13	Does the project involve installation of a regulated aboveground storage tank(s) (AST) at a new or existing facility with a total capacity greater than 21,000 gallons?	Yes

14	Does the project involve installation of a field constructed underground storage tank storing petroleum or a regulated hazardous substance as defined in DEP's Regulated Substances List, 2630-BK-DEP2724 ?	No
15	Has there been a release of a hazardous substance as defined by the Hazardous Sites Cleanup Act (HSCA)?	No
16	Will contaminated medial be affected by planned earth disturbance and stormwater management (pre & post construction)?	Yes
17	Does the project involve mining, coal refuse disposal and/or the operation of a coal minerals preparation/processing facility?	No
18	Does this project require the discharge of acid mine drainage, pumping of mine pools or pit impoundments to surface waters?	No
19	Is the project site above or adjacent to an active or abandoned underground mine or in an area prone to mine subsidence?	Yes
20	Will this project involve the extraction of coal or other minerals?	No
21	Will this project involve the use of explosives in waters, within or on the boundaries of the Commonwealth?	No
22	Will the project involve drilling a well related to oil or gas production, have construction within 200 feet of an oil or gas well, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well?	No
23	Will the project include any access roads, water lines, gathering lines, well pads or other oil and gas related structures involving any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	Yes
24	Will the project involve oil or gas related activities including discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system?	No
25	Will the oil or gas related project involve the construction and operation of an on-site residual waste processing facility for beneficial reuse?	No

26	Does the project site contain any existing or abandoned oil and gas wells?	No
27	Does this project propose oil and gas activities involving 5 acres (2 hectares) or more of earth disturbance activities, as defined in Chapter 102 Erosion and Sediment Control and regulated by the Federal Energy Regulatory Commission (FERC)?	No
28	Does this project cross two or more DEP regional boundaries and three or more counties?	No
29	Will this project involve the need to obtain from the Federal Energy Regulatory Commission (FERC) a certificate, a blanket certificate, or is it associated with abandonment of a FERC?	No
30	Will this project involve construction, modification, removal or destruction of a highway obstruction or an obstruction within the 100-year floodplain constructed, on property owned or maintained by the Commonwealth, a public utility, or a political subdivision of the Commonwealth?	No
31	Does the project involve the operation and maintenance of an existing structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	No
32	Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	Yes
33	Does the project involve construction, modification or removal of a dam or interfere with the flow from or otherwise impact a dam?	No
34	Will the construction or operation of this project involve the generation of Hazardous, Residual or Municipal waste including contaminated soil or contaminated dredged material?	Yes
35	Will the construction or operation of this project involve the generation of waste materials that can be recycled, salvaged, or processed for reuse?	Yes
36	Will the construction or operation of this project involve the transportation, treatment, storage, processing, reuse or recycling, or	No

	disposal of Hazardous, Residual or Municipal waste including contaminated soil or contaminated dredged material?	
37	Will the project involve the use or disposal of a radiation source (e.g. self-luminous signs)?	Yes
38	Does the project include abandonment, removal, or plugging of water lines or water wells?	No
39	Will the project include infiltration of storm water or waste water to ground water within ½ mile of a public water supply well, spring or infiltration gallery?	No
40	Will the project impact a public drinking water source?	No
41	Will the project be served by an existing public water supply?	No
42	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year?	No
43	Is the project expected to substantially modify a permitted public water system?	Yes
44	Will this project involve a new or increased drinking water withdrawal from a stream or other water body?	No
45	Will the project involve the withdrawal of more than 10,000 gpd surface or groundwater for potable or non-potable use?	Yes
46	Will the project involve new building construction or significant renovations to existing buildings?	Yes
47	Will the project be located in a special protection watershed (High Quality or Exceptional Value) defined by Chapter 93 , or potential to effect an exceptional value wetlands?	No
48	Does the project involve lands contaminated with chemicals or compounds which could present a risk to human health, safety or the environment?	No
49	Will the project involve a construction activity that results in earth disturbance greater than 1 acre?	Yes

50	Does the project propose timber harvesting or road maintenance activities involving 25 acres (10 hectares) or more of earth disturbance, as defined in Chapter 102 Erosion and Sediment Control?	No
51	Will the project involve discharge of construction related or clean stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	Yes
52	Will the project involve discharge of industrial stormwater or wastewater from an industrial activity, or sewage to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	Yes
53	Will the project include removal, abandonment, or plugging of sewage lines?	No
54	Will the project result in a sewage increase of 400 gallons or more to an existing on-lot system, or to an existing public sewage system?	Yes
55	Will the project involve relocation of sewer lines?	No
56	Will new or replaced tanks, pipelines, or natural gas transmission lines be hydrostatically tested?	Yes
57	Will there be waste concrete and concrete truck wash downs during the project?	Yes
58	Is this project for the beneficial use of biosolids for land application within Pennsylvania?	No
59	Will the project involve the construction of a new school or modifications/additions to an existing school?	No
60	Will the project be located within either the Lake Erie or Delaware Estuary Coastal Zones? To determine if the project is located within either Coastal Zone, please use the online eMapPA tool. Selecting the Layer titled "Areas POI - Environmental" will identify Coastal Zones on the map.	No

Additional Resources

For additional program specific information or to schedule your Pre-Application Conference please refer to the following available resources.

Northeast Regional Office (Wilkes-Barre)

General Information	570.826.2511
Assistant Regional Director's Office	570.826.2511
Air Quality Program	570.826.2511
Environmental Cleanup and Brownfields Program	570.826.2511
Waste Management Program	570.826.2511
Waterways and Wetlands Program	570.826.2511
Safe Drinking Water Program	570.826.2511
Clean Water Program	570.826.2511
Pollution Prevention and Energy Assistance Program	570.826.2511

District Mining Offices

For further information, please contact the appropriate District Mining Office (DMO). Specifically, the California DMO is responsible for Bituminous underground mines, Pottsville DMO is responsible for Anthracite underground mines and the geographically related DMO is responsible for underground Industrial Mineral mines.

- The California DMO, 25 Technology Drive, California Technology Park Coal Center, PA 15423, or call 724.769.1100
- The New Stanton DMO, 131 Broadview Road, New Stanton PA 15672, or call 724.925.5500
- The Cambria DMO, 286 Industrial Park Road, Ebensburg, PA 15931-0625, or call 814.472.1900

- The Moshannon DMO, 186 Enterprise Drive, Philipsburg, PA 16866, or call 814.342.8200
- The Knox DMO, White Memorial Building, P.O. Box 669, Knox, PA 16232-0669, or call 814.797.1191
- The Pottsville DMO, 5 West Laurel Boulevard, Pottsville, PA 17901-2454, or call 570.621.3118

District Oil and Gas Offices

For further information on Oil and Gas, please contact the appropriate District Oil and Gas Office:

- Eastern District, 208 West Third Street, Williamsport, PA 17701, or call 570.327.3636
- Southwest District, 400 Waterfront Drive, Pittsburgh, PA 15222, or call 412.442.4000
- Northwest District, 230 Chestnut Street, Meadville PA 16335, or call 814.332.6860