



## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) APPLICATION FOR INDIVIDUAL PERMIT TO DISCHARGE INDUSTRIAL STORMWATER

### GENERAL INFORMATION

**NOTE: FAILURE TO COMPLY WITH THESE INSTRUCTIONS AND SUBMIT ALL REQUIRED INFORMATION MAY RESULT IN DENIAL OF THE APPLICATION.**

Applicants should use the most recent versions of applications as posted on the Department of Environmental Protection's (DEP's) website. The most recent version of the Application for Individual Permit to Discharge Industrial Wastewater can be obtained through DEP's website as noted below. A complete application package includes the application form, the General Information Form (GIF), and all other attachments identified on the checklist for this application. Applicants can download the appropriate form to a computer, complete the form electronically and print the document for submission to DEP. The application and checklist can be obtained as follows:

Go to DEP's website: [www.dep.pa.gov](http://www.dep.pa.gov)  
Select: Businesses  
Select: Water  
Select: Bureau of Clean Water  
Select: Wastewater Management  
Select: NPDES and WQM Permitting Programs

The GIF form can be obtained as follows:

Go to DEP's website: [www.dep.pa.gov](http://www.dep.pa.gov)  
Select: Businesses  
Select: Permits, Licensing and Certification  
Select: Department-Wide Permit/Authorization Packages  
Select: [General Information Form \(GIF\)](#)

**FOLLOWING SUBMISSION OF YOUR APPLICATION, CHECK DEP'S WEBSITE TO MONITOR THE STATUS OF YOUR APPLICATION.** In general, DEP will not notify you if the application is considered complete and technically adequate. You may view the status of your application as follows:

Go to DEP's website: [www.dep.pa.gov](http://www.dep.pa.gov)  
Select: Data and Tools  
Select: Tools  
Select: eFACTS  
Select: Authorization Search and search for the record using the permit number. If unknown, you will need to search using other criteria. If necessary, contact DEP's Help Desk for assistance at 717.705.3768.

**General Instructions.** These instructions are intended to assist the applicant in completing the application form identified above. Type or print clearly when completing the form. Attach additional sheets as necessary to complete all questions. If a question is not applicable to the project, write "N/A" in the appropriate field or otherwise leave blank as instructed.

**Who Must Apply for NPDES Permits?** Persons who operate facilities or conduct activities that discharge pollutants into surface waters of the Commonwealth (including dry streams, ditches and storm sewers).

**Who Can Use This Form?** This form should be used by new or existing manufacturing, commercial or other facilities that are required to obtain NPDES permit coverage and discharge or propose to discharge **only** stormwater associated with industrial activity (see below for exceptions) to surface waters of the Commonwealth and do not qualify for coverage under an NPDES General Permit. Facilities that are required to obtain NPDES permit coverage include facilities with discharges of stormwater associated with industrial activity as defined at 40 CFR 122.26(b)(14) and other facilities that are required by DEP to obtain a permit under Pennsylvania's Clean Streams Law. Note that permittees that wish to amend

their existing individual NPDES permit must use DEP's NPDES Application for Permit Amendment form (3800-PM-BCW0027b).

### Authorized Non-Stormwater Discharges

The following non-stormwater discharges are authorized under individual NPDES permits for stormwater associated with industrial activity. A facility with non-stormwater discharges not identified in the list below should apply for an individual industrial waste NPDES permit.

- Discharges from emergency/unplanned fire-fighting activities;
- Potable water, including water line flushings and fire hydrant flushings, that do not contain measurable concentrations of Total Residual Chlorine (TRC);
- Uncontaminated condensate from air conditioners, coolers/chillers, and other compressors (if treatment through an oil/water separator is provided) and from the outside storage of refrigerated gases or liquids;
- Irrigation drainage;
- Landscape water if such water does not contain pesticides, herbicides or fertilizers;
- Pavement wash waters where no detergents or hazardous cleaning products are used, and the wash waters do not come into contact with oil and grease deposits, sources of pollutants associated with industrial activities, or any other toxic or hazardous materials;
- Routine external building washdown / power wash water that does not use detergents or hazardous cleaning products (e.g., those containing bleach, hydrofluoric acid, muriatic acid, sodium hydroxide, nonylphenols);
- Uncontaminated ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials; and
- Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of a facility, but not intentional discharges from the cooling tower.

**Where to File Applications.** Three (3) copies of all application materials should be submitted to the DEP regional office that covers the county where the facility is located. A list of counties and DEP regional offices can be viewed at DEP's website (go to [www.dep.pa.gov](http://www.dep.pa.gov) and select Regional Resources). If the facility is located in Erie County, a fourth copy of the application should be submitted to the DEP regional office.

If the facility discharges to surface waters in the Delaware River Basin (i.e., directly to the Delaware River or its tributaries), send one complete copy of the application to the Delaware River Basin Commission (DRBC) at:

Delaware River Basin Commission  
25 State Police Drive  
P.O. Box 7360  
West Trenton, NJ 08628-0360  
Phone: 609.883.9500

**When to File Applications.** Unless permission has been granted by DEP for submission at a later date, applications must be filed at least 180 days **BEFORE** your present NPDES permit expires or 180 days **PRIOR TO** start up and commencement of discharge for new facilities.

**Application Fee.** The required application fee (**\$2,000 for new permit, \$1,000 for reissuance**) payable to "Commonwealth of Pennsylvania" must accompany the application. The check should not be more than 10 days old. Any federal or state agency or independent state commission that provides funding to DEP for the implementation of the NPDES program through terms and conditions of a mutual agreement may be exempt from the fees. If you need assistance in determining the appropriate application fee, you may contact DEP's Central Office at 717.787.6744. If your application has been denied previously and you are resubmitting your application, the application fee must be included with the resubmission.

**Public Notification of Permit Application.** Act 14, which amended the Commonwealth's Administrative Code (effective April 17, 1984), requires every applicant for a new, amended, or renewed NPDES permit to give written notice to each municipality and county in which the facility is located. The written notices must be received by municipalities and counties at least 30 days before DEP action on a permit application. A sample Act 14 notification letter (3850-PM-BCW0402) is available on eLibrary.

Please submit with your application:

1. A copy of your correspondence notifying your intentions to the municipality(ies) and the county(ies) in which the permitted activity will occur.
2. Evidence that the municipality(ies) and county(ies) have received your notification. Acceptable forms of this evidence include certified mail receipt or written acknowledgment of the notification from the municipality(ies) and county(ies).

Failure to provide a copy of your notification correspondence and evidence of municipal and county receipt of your notification with the application may result in denial of your application.

**Local Newspaper Notice.** When applying for an NPDES permit for a new industrial stormwater discharge, or when an NPDES renewal application involves a substantial change in location, quantity or quality of the industrial stormwater discharge, public notice of intent to discharge is required by Section 307 of the Pennsylvania Clean Streams Law.

The applicant is required to publish notice of intent to apply for an NPDES permit in a newspaper of general circulation in the county where the facility is located. The notice must be published once per week for four consecutive weeks. Acceptable evidence of publication is a notarized copy of the notice and statement of publication dates or separate clippings of each notice with the date line intact. This evidence should accompany the application.

**Public Access to Application.** Note that any information submitted to DEP which goes beyond that required by this form may be claimed as confidential, but claims for information which are effluent data will be denied. If a claim of confidentiality is not asserted at the time of submitting the information, DEP may make the information public without further notice. Claims of confidentiality will be handled in accordance with the U.S. Environmental Protection Agency's (EPA's) business confidentiality regulations at 40 CFR Part 2 and DEP's regulations at 25 Pa. Code § 92a.8.

**Other permits and/or approvals.** Where necessary, the applicant shall be responsible to apply for and obtain other permits and/or approvals. DEP's General Information Form (GIF) (1300-PM-BIT0001) must be attached to the application and must indicate other permits that are necessary for the project, as applicable.

## COMPLETING THE APPLICATION

These instructions use the term "applicant" to mean someone who submits an application for a new or renewed permit. Where the term "permittee" is used, it refers only to someone who submits an application for a renewed permit.

If known, enter Client ID, Site ID, APS ID and Facility ID. These are identification numbers specific to the applicant, facility, and the most recent NPDES permit issued to the applicant. If unknown, leave these fields blank.

## GENERAL INFORMATION

1. Enter the Applicant/Operator Name as it appears on the GIF in the Client section (Organization Name or Registered Fictitious Name).
2. Check the appropriate box to indicate whether the application is for a new permit or renewal of an existing permit. If new, specify the anticipated discharge date. If a renewal, list the current NPDES permit number, the expiration date of the current NPDES in effect, the permit renewal application due date (i.e., 180 days before the expiration date unless DEP has granted permission to submit the application at a later date), all Water Quality Management (WQM) permit numbers issued to the applicant for construction of or modification to treatment facilities, and the dates the WQM permits were issued (attach separate sheets if necessary). If not applicable, leave blank.

**NOTE** - Applicants should not use this form for requests for permit amendments or permit transfers. DEP's Application for Permit Amendment form (3800-PM-BCW0027b) and Application for NPDES or WQM Permit Transfer form (3800-PM-BCW0041b), respectively, should be used for such requests.

3. Check the box for "Yes" if the facility's self-monitoring data is being submitted to DEP using the electronic Discharge Monitoring Report (eDMR) system ([www.dep.pa.gov/edmr](http://www.dep.pa.gov/edmr)), otherwise check the box for "No." If the eDMR system is being used, specify the start date for use of the system.
4. Briefly describe the nature of the business or operations that may come into contact with stormwater. To ensure that DEP has a complete understanding of the nature of your operations and discharge(s), the applicant is encouraged to provide a detailed description in a separate attachment.

5. List the Effluent Guideline Limitation(s) (ELG(s)) and Subpart published by EPA in 40 CFR, Chapter I, Subchapter N, that are applicable to the facility's stormwater discharges. If there are no applicable ELG(s), this section may remain blank.
6. List all applicable standard industrial classification (SIC) and North American Industry Classification System (NAICS) codes with their descriptions. For each code, indicate (Yes or No) whether the code is considered the "primary" code. For example, if Codes 99998 and 99999 apply to the facility, but the operation can be best categorized under Code 99999, indicate "Yes" in the "Primary?" column for Code 99999.

### **OTHER ENVIRONMENTAL PERMITS**

Identify all other environmental permits issued to the facility, which are currently effective or which the applicant is seeking for the facility. Report the type of permit, the agency that issued the permit and the date the permit was issued. Report all permits issued under the following environmental programs:

- Hazardous Waste Management program under RCRA.
- UIC program under the Safe Drinking Water Act.
- NPDES program under the Clean Water Act.
- Prevention of Significant Deterioration (PSD) program under the Clean Air Act.
- Nonattainment program under the Clean Air Act.
- National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act.
- Dredge or fill permits under section 404 of the Clean Water Act.
- Other relevant environmental permits, including DEP-issued permits.

### **FACILITY AND DISCHARGE INFORMATION**

1. **Site Plan & Map.** Attach a site plan that identifies structures, facilities, outdoor raw material, product and waste storage areas, drainage areas, discharge points (outfalls) associated with industrial activity, property boundaries and waters of the Commonwealth. Also attach a topographic or aerial map with facilities and outfalls identified. For discharges to storm sewers, identify both the location of the discharge to the storm sewer as well as the location where the storm sewer outlets to surface waters. DEP's eMAP application ([www.depgis.state.pa.us/emappa](http://www.depgis.state.pa.us/emappa)) or other websites with topographic/aerial maps may be used.
2. **Site Area.** Report the total area of the site in square feet (sf) and the percent pervious and impervious surfaces.
3. **Facility Latitude and Longitude.** Provide the latitude and longitude coordinates at the geographic center of the facility or site. Indicate the Horizontal Reference Datum used to determine the coordinates by checking the box for North American Datum of 1927 ("NAD of 1927"), North American Datum of 1983 ("NAD of 1983"), World Geodetic System of 1984 ("WGS of 1984") or "Unknown".
4. **PPC Plan.** The permittee may optionally attach its PPC Plan or related plan such as a Spill Prevention, Control and Countermeasure (SPCC) Plan to the application. This information may be useful to DEP in completing its review of the application. If the PPC Plan or related plan is not attached, DEP may request submission of the Plan during the application review.

Regardless if a Plan is or is not attached, complete the table by describing the type(s) of Plan(s) the facility currently has. Check the box if the Plan is attached to the application. Report the latest update made to the Plan(s). Applicants are encouraged to submit large plans in electronic format on CD or other media in lieu of paper.

**NOTE** – The Plan(s) should be developed consistent with DEP's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" and its Stormwater Addendum (DEP ID No. 400-2200-001). Submission of a "Stormwater Pollution Prevention Plan" or "Spill Prevention, Control, and Countermeasure Plan" that has been completed to satisfy another regulatory program is acceptable if it is consistent with DEP guidance.

**NOTE** – DEP may accept electronic PPC Plan submissions. Contact the appropriate DEP regional office for instructions prior to submission of your application if your preference is to submit the PPC Plan electronically.

5. **Non-Stormwater Discharges.** Identify and describe all non-stormwater discharges that are expected to occur during the 5 years following permit coverage. List each type of non-stormwater discharge anticipated, the outfall that is expected to receive the discharge, and the expected frequency and volume of discharges. If no non-stormwater discharges are anticipated in the five years following coverage or approval, check the appropriate box.
6. **Inspection and Maintenance.** For new discharges, describe the frequency at which outfalls will be inspected and any planned maintenance activities. For existing discharges, report current practices for outfall inspections and routine maintenance. Also identify whether on-site personnel or contractors perform these activities.
7. **Outfall Locations and Receiving Waters Table.**

- **Outfall No.** – Provide a 3-digit identification number (numeric only) for each outfall (discharge point) discharging stormwater associated with industrial activity from the facility, starting with 001 and continuing with 002, 003, etc. If there are more outfalls than space allows, attach an additional sheet.

**NOTE** – Outfalls should include all engineered structures, drainageways and areas of concentrated flow where runoff leaves a site.

- **Latitude / Longitude** – Report the latitude and longitude coordinates for the outfall (end of pipe, channel or other conveyance, prior to mixing with receiving waters), using the same method as for No. 3, above.
- **Name of Receiving Waters** – Specify the name of the receiving waters for each outfall, as specified in 25 Pa. Code Chapter 93 or as otherwise known locally.
- **Ch. 93 Class.** – Report the existing use of the receiving waters under Chapter 93. Existing uses (e.g., HQ-CWF) may differ from designated uses (e.g., CWF). The applicant should consult DEP’s existing use website and if an existing use is listed for the receiving waters, it should be reported on the application (visit [www.dep.pa.gov](http://www.dep.pa.gov), select “Businesses”, “Water”, “Bureau of Clean Water”, “Water Quality Standards”, and “Statewide Existing Use Classifications”). If no existing use is available on DEP’s website, the designated use under Chapter 93 is the existing use. Designated uses can be searched on-line by visiting [www.pacode.com](http://www.pacode.com) (Title 25, Chapter 93) or [www.depgis.state.pa.us/emappa](http://www.depgis.state.pa.us/emappa).
- **Impaired?** Check the box if the receiving waters are “impaired” (i.e., not attaining water quality standards or existing uses) according to DEP’s latest published Integrated Water Quality Monitoring and Assessment Report (“Integrated Report”) (visit [www.dep.pa.gov](http://www.dep.pa.gov), select “Businesses”, “Water”, “The Bureau of Clean Water”, “Water Quality Standards”, and “Integrated Water Quality Report”).
- **TMDL?** Check the box if there is an approved Total Maximum Daily Load (TMDL) for the receiving waters. DEP’s website includes a listing of all approved TMDLs ([www.ahs.dep.pa.gov/TMDL](http://www.ahs.dep.pa.gov/TMDL)). Additionally, DEP’s eMAP application ([www.depgis.state.pa.us/emappa](http://www.depgis.state.pa.us/emappa)) may be used to determine both impairments and TMDLs.

8. **Discharges to Storm Sewers.** Check the appropriate box to indicate whether any of the outfalls / IMPs identified in No. 7 above discharge to a storm sewer system (Yes or No). If Yes, indicate whether the storm sewer is also a municipal separate storm sewer system (MS4) (Yes or No), identify the name of the storm sewer owner/operator and list all outfall numbers that discharge to the storm sewer. If unsure whether the storm sewer is also classified as an MS4, contact the municipality in which the facility is located. If there are no discharges to storm sewers, check the box for “No”, leave the MS4 question blank and enter, “N/A” for the remaining questions.

**NOTE** – For new discharges to MS4s, the applicant must provide, as an attachment to the application, evidence that the owner/operator of the MS4 has received notification of the applicant’s intent to discharge into the MS4 as well as the actual notification to the MS4. An example of evidence would be a copy of the return receipt for registered mail.

Attach additional sheets as necessary to report all outfalls. You may attach your own sheet(s) provided it contains all information requested in this table

## 9. Drainage Area Description Table

- **Outfall / IMP No.** – List all the outfalls / IMPs in the same order as the Outfalls Locations and Receiving Waters Table.
- **Drainage Area (ft<sup>2</sup>)** – Report the total drainage area, in square feet, in which stormwater runoff may flow to the outfall.
- **% Impervious** – Indicate the percentage of the drainage area is impervious. For the purpose of this application, impervious surfaces are those where stormwater runs off at rates significantly higher than background rates and include paved areas, building roofs, parking lots, and roadways.
- **Description of Materials/Activities in Drainage Area Exposed to Precipitation** – Identify all materials in the drainage area that may be exposed to precipitation. Identify materials used for production, tanks or containers and their contents, vehicular maintenance activities, product storage, etc. The applicant should report sufficient information to allow DEP to understand why the applicant considers two or more outfalls to be similar in nature, if applicable.
- **No Exposure?** – Check the box if the applicant certifies there are no industrial sources of pollutants in the drainage area of the outfall and the applicant believes there is no potential for pollution. This may assist DEP in determining whether or not stormwater monitoring requirements in the permit are necessary.

**NOTE** – In order for this box to be checked, the applicant must generally provide a storm resistant shelter to protect industrial materials from exposure to rain, snow, snow melt and runoff. However, a storm resistant shelter is not required for drums, barrels, tanks, and similar containers that are tightly sealed, provided those containers are not deteriorated and do not leak (“sealed” means banded or otherwise secured and without operational taps or valves); adequately maintained vehicles used in material handling; and final products, other than products that would be mobilized in storm water discharge (e.g., rock salt). Discharges from salt storage and distribution sites are not generally considered No Exposure unless material storage and handling activities are not exposed to precipitation.

**NOTE** – if the applicant selects this box and then conditions change following issuance of the permit, the applicant is responsible for notifying DEP of the changed conditions.

## 10. Sampling and Treatment Table

- **Outfall / IMP No.** – List all the outfalls / IMPs in the same order as the Outfalls Locations and Receiving Waters Table.
- **Sampling Completed?** – Check the box if sampling was completed for the application and the Stormwater Sampling Results section is attached for the outfall. Sampling must be completed for every outfall unless a representative outfall is designated.
- **Representative Outfall No.** – If the Sampling Completed? box is not checked, report the Outfall No(s) that the applicant has sampled as representative of the reported outfall. **Representative outfalls cannot be used to verify that pollutant concentrations are commensurate with No Exposure conditions.**
- **Treatment?** – Check the box if the applicant has or is proposing any structural (e.g., oil water separator) or non-structural (e.g., wetlands) treatment technology designed to reduce pollutants in stormwater discharged to the outfall.
- **Description of BMPs in Drainage Area to Control Pollutants in Stormwater** – Describe any treatment or BMPs proposed or in place for stormwater and any other proposed (for new facilities) or existing (for existing facilities) best management practices (BMPs) intended to control pollutants in stormwater runoff. Examples of BMPs including routine inspection and cleanup activities, ponds, swales or other features intended to promote infiltration, etc.

- **PCSM?** – Check the box if there are post-construction stormwater management facilities within the drainage area to the outfall that were installed to comply with DEP’s Chapter 102 Erosion and Sedimentation Control regulations. Information on Chapter 102 regulations and PCSM facilities can be found by visiting DEP’s website and selecting “Businesses”, “Water”, “Bureau of Clean Water”, “Stormwater Management”, and “Construction Stormwater”.

11. **Leaks or Spills.** If there have been leaks or spills on-site within the past five years that have reached stormwater outfall(s) (i.e., have been discharged to the receiving waters), identify the outfall(s) receiving the leaks or spills, the substance(s) released, measures taken to remediate the incident(s) and preventative measure(s) taken to reduce the possibility of future incidents. Attach additional sheets as necessary.

### **STORMWATER SAMPLING RESULTS**

For existing discharges only, attach a completed Stormwater Sampling Results section to the application for each stormwater outfall that was sampled.

**NOTE** – stormwater must be sampled for all stormwater outfalls identified in question 9, above, where the applicant checked the box for No Exposure?, in order to verify that pollutant concentrations are commensurate with No Exposure conditions.

In general, DEP considers the following benchmark values to be indicative of No Exposure conditions; these values may also be used by DEP to evaluate non-degrading stormwater discharges for anti-degradation purposes.

- Pollutants with water quality criteria in 25 Pa. Code Chapter 93:  $\leq$  most stringent water quality standard
- Oil and Grease (mg/L):  $\leq$  5.0
- BOD5 (mg/L):  $\leq$  10
- COD (mg/L):  $\leq$  30
- TSS (mg/L)  $\leq$  30
- Total Nitrogen (mg/L):  $\leq$  2.0
- Total Phosphorus (mg/L):  $\leq$  1.0
- pH (S.U.): 6.0 to 9.0

### **Stormwater Sampling Guidance**

The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial stormwater discharges. Any specific requirements contained in the applicable analytical methods should be followed for sample containers, sample preservation, holding times, the collection of duplicate samples, etc. Where applicable, samples should be collected from the center of the flow channel, where turbulence is at a maximum, at a site specified in your present permit, or at any site adequate for the collection of a representative sample.

For all pollutants the applicant must, at a minimum, analyze grab samples taken during the first 30 minutes (or as soon thereafter as practicable) of the discharge. For pollutants other than pH, Temperature, Cyanide, Total Phenols, Total Residual Chlorine, Oil and Grease, and Fecal Coliform it is preferred the applicant analyze both a grab sample collected during the first 30 minutes (or as soon thereafter as practicable) of the discharge and a flow-weighted composite sample.

All samples must be collected from the discharge resulting from a storm event that is greater than 0.1 inch and at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Where feasible, the variance in the duration of the event and the total rainfall of the event should not exceed 50 percent from the average or median rainfall event in that area. **Grab samples must be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable), and flow-weighted composite samples shall be taken for the entire event or for the first three hours of the event.**

For the purpose of these instructions, grab and composite samples are defined as follows:

**Grab sample:** An individual sample of at least 100 milliliters collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge. This sample is to be analyzed separately from the composite sample.

**Flow-weighted composite sample:** A flow-weighted composite sample may be taken with a continuous sampler that proportions the amount of sample collected with the flow rate or as a combination of a minimum of three sample aliquots

taken in each hour of discharge for the entire event or for the first three hours of the event, with each aliquot being at least 100 milliliters and collected with a minimum period of fifteen minutes between aliquot collections. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically.

Data from samples taken in the past may be used, provided that all data requirements are met, sampling was done no more than three years before submission, and all data are representative of the present discharge.

#### Completing the Stormwater Sampling Results Table

1. You must report at least one analysis for each pollutant listed. As noted above, flow-weighted composite sample results are optional. Report the average and maximum concentrations of grab and flow-weighted composite samples for each listed pollutant, as applicable, in the units provided (e.g., mg/L, S.U., etc.). Follow DEP's guidance (3800-BK-DEP3047 and 3800-FS-DEP4262) when calculating statistical values containing data sets with "non-detect" results. Use the Quantitation Limit (QL) value for "non-detect" results, and if at least one "non-detect" result exists in a data set, average statistical values should contain the less than (<) symbol. If only one sample result for each pollutant is available, report the result in both the average and maximum columns under the appropriate sample type. Identify the number of storm events where samples were collected to determine the results. Identify the laboratory's QL for the pollutants.
2. In the table provided, list all pollutants contained within an Effluent Limitation Guideline (ELG) that is applicable to the facility's production, not identified in question 1. Also list all pollutants listed in the facility's existing NPDES permit for the stormwater outfall; and any other pollutants that are considered the cause of impairment to waters receiving stormwater discharges from the outfall. To determine if a stream is impaired use DEP's latest published Integrated Water Quality Monitoring and Assessment Report ([www.dep.pa.gov](http://www.dep.pa.gov), select "Water", select "The Bureau of Clean Water", and select "Water Quality Standards") or DEP's eMAP application (<http://www.depgis.state.pa.us/eMapPA/>). Provide the results of at least one analysis for every pollutant listed. Specify the units with your results (e.g., mg/L).
3. In the table provided, list all pollutants contained in Pollutant Groups 1 through 7, as identified in Attachment A, which are not identified in questions 1 or 2 of the Stormwater Sampling Results section but the applicant knows or has reason to believe are present in the stormwater discharge. Provide at least one result for each pollutant known or believed to be present. Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, material management practices, maintenance chemicals, history of spills and releases, intermediate and final products and byproducts, and any previous analyses known to you of your effluent or similar effluent.
4. Provide the information requested below for the storm event(s) that resulted in the maximum values reported in questions 1, 2 and 3 for the flow-weighted composite sample (or grab sample if flow-weighted composite sampling was not completed). If multiple storm events resulted in maximum values, report each event separately.
  - Identify the storm event date.
  - Record the duration of the storm event in minutes.
  - Report the total rainfall amount, in inches, for the storm event in which sample(s) were collected.
  - Identify the number of hours from the end of the previous measurable storm event of 0.1 inch to the beginning of the storm event in which sample(s) were collected.
  - Optionally, specify the flow rate, in gallons per minute (GPM), measured at the outfall during the storm event.
  - Optionally, report the calculated volume of stormwater discharged from the outfall(s) during the storm event.

#### ANTI-DEGRADATION

If the applicant is proposing a new, additional or increased discharge to High Quality (HQ) or Exceptional Value (EV) waters, or has an existing discharge to HQ or EV waters and is seeking a permit for the first time, **Module 1** (Anti-Degradation Module) must be attached to the application. In addition, for HQ waters only, if the analysis concludes that the new, additional or increased discharge will produce a measurable change in water quality, a social or economic justification (SEJ) must be attached to the application and be approved before DEP can authorize the discharge through a permit. See the instructions to Module 1 and DEP's Water Quality Antidegradation Implementation Guidance (391-0300-002).

1. Check the appropriate box to indicate whether Module 1 is attached to the application.
2. Check the appropriate box to indicate whether an SEJ is attached to the application.

If the applicant is not proposing a new, additional or increased discharge to HQ or EV waters or is not seeking a permit for the first time to discharge into HQ or EV waters, this section may remain blank.

### **COOLING WATER INTAKE STRUCTURES**

1. Indicate if cooling water is used at the facility. If no, skip the remainder of this section.
2. Indicate if the facility operates a cooling water intake structure. If no, skip the remainder of this section.
3. Under Section 316(b) of the Clean Water Act and its implementing regulations, DEP will be required to make a determination of best technology available (BTA) to reduce impingement and entrainment mortality for facilities that maintain and operate a cooling water intake structure(s) (CWIS). Facilities that meet the regulatory definition of a new or existing facility with cooling water intake structures must provide additional specific information. **If a facility meets the regulatory definition of a new or existing facility below, the permittee cannot use this application and must submit the Individual NPDES Permit Application for Industrial Waste Facilities (3800-PM-BCW0008).**

A new facility has applicable 316(b) requirements if it (see 40 CFR § 125.81):

- Is a point source that uses or proposes to use a cooling water intake structure;
- Has at least one cooling water intake structure that uses at least 25% of the water it withdraws for cooling purposes as measured on an average monthly basis; and
- Has a design intake flow greater than 2 MGD.

An existing facility has applicable 316(b) requirements if it (see 40 CFR § 125.91):

- Is a point source;
- Uses or proposes to use cooling water intake structures with a total design intake flow if 2 MGD or more to withdraw cooling water from waters of the United States;
- Uses at least 25 percent of water withdrawn exclusively for cooling purposes, measured on an actual intake flow basis (for definition, see 40 CFR § 125.92).

Facilities that do not meet the definition above may be issued a BTA determination on a best professional judgment (BPJ) basis under 40 CFR § 125.90(b). Additional information may be required.

Indicate whether the facility meets the definition of a new or existing facility. If yes, the permittee is not eligible to use this application and should submit the Individual NPDES Permit Application for Industrial Waste Facilities (3800-PM-BCW0008).

### **STORMWATER TREATMENT CHEMICALS**

List any chemicals used to treat the stormwater that are anticipated to be used in the next five years. If no chemicals are anticipated, this section may remain blank.

### **LABORATORY INFORMATION**

List off-site laboratories used for analytical results reported in the application and the analyses performed.

### **COMPLIANCE HISTORY REVIEW**

Check appropriate box to indicate whether the facility owner or operator is in violation of any DEP regulation, permit, order or schedule of compliance at this or any other facility at the time the application is submitted to DEP. If the answer is "No," no further information is needed in this section. If the answer is "Yes," list each permit, order, or compliance schedule and provide compliance status of the permitted facility or activity. If needed, use additional sheets to provide all information.

### **CERTIFICATION AND SIGNATURE OF THE APPLICANT**

The applicant must certify that the information contained in the application is true, accurate and complete.

**The application must be signed as follows (no exceptions or delegations may be authorized):**

*For individually owned operations* – The owner of the facility must sign the application.

*For a Corporation* – A responsible corporate officer must sign the application. For purposes of this section, a responsible corporate officer means a principal executive officer of at least the level of vice president or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the application form originates.

*For a Partnership or Sole Proprietorship* – A general partner or the proprietor, respectively, must sign the application.

*For a Municipality, State, Federal or Other Public Agency* – Either a principal executive officer or ranking elected official must sign the application. For purposes of this the application, a principal executive officer of a federal agency includes:

- The chief executive officer of the agency, or
- A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).

**NOTE:** DEP does not require specific assignments or delegation of authority to responsible corporate officers identified. DEP will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified DEP to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals. The Clean Water Act provides for severe penalties for submitting false information on the application form.

## CHECKLIST

To assist the applicant in ensuring the application is complete, a checklist has been developed (3800-PM-BCW0403c). **This checklist should be completed and submitted with the complete application.**

## Permit Application Instructions

## ATTACHMENT A

## POLLUTANT GROUP ANALYSIS TABLES

POLLUTANT GROUP 1 PARAMETERS (mg/L)	POLLUTANT GROUP 2 PARAMETERS (µg/L)	POLLUTANT GROUP 3 PARAMETERS (µg/L)	POLLUTANT GROUP 4 PARAMETERS (µg/L)	POLLUTANT GROUP 5 PARAMETERS (µg/L)
BOD <sub>5</sub>	Aluminum, Total	Acrolein	2-Chlorophenol	Acenaphthene
COD	Antimony, Total	Acrylonitrile	2,4-Dichlorophenol	Acenaphthylene
TOC	Arsenic, Total	Benzene	2,4-Dimethylphenol	Acrylamide
TSS	Barium, Total	Bromoform	4,6-Dinitro-o-Cresol	Anthracene
Ammonia-Nitrogen	Beryllium, Total	Carbon Tetrachloride	2,4-Dinitrophenol	Benzidine
Temperature (Winter) (°F)	Boron, Total	Chlorobenzene	2-Nitrophenol	Benzo(a)Anthracene
Temperature (Summer) (°F)	Cadmium, Total	Chlorodibromomethane	4-Nitrophenol	Benzo(a)Pyrene
pH – Minimum (S.U.)	Chromium, Total	Chloroethane	P-Chloro-m-Cresol	3,4-Benzo-fluoranthene
pH – Maximum (S.U.)	Chromium, Hexavalent	2-Chloroethylvinyl Ether	Pentachlorophenol	Benzo( <i>ghi</i> )Perylene
Fecal Coliform (No./100 mL)	Cobalt, Total	Chloroform	Phenol	Benzo( <i>k</i> )Fluoranthene
Oil and Grease	Copper, Total	Dichlorobromomethane	2,4,6-Trichlorophenol	Bis(2- <i>Chloro-ethoxy</i> )Methane
TRC	Cyanide, Total	1,1-Dichloroethane		Bis(2- <i>Chloroethyl</i> )Ether
Total Phosphorus	Iron, Total	1,2-Dichloroethane		Bis(2- <i>Chloro-isopropyl</i> )Ether
TKN	Iron, Dissolved	1,1-Dichloroethylene		Bis(2- <i>Ethylhexyl</i> )Phthalate
Nitrite + Nitrate-Nitrogen	Lead, Total	1,2 Dichloropropane		4-Bromophenyl Phenyl Ether
Total Dissolved Solids	Manganese, Total	1,3-Dichloropropylene		Butyl Benzyl Phthalate
Color (Pt-Co Units)	Mercury, Total	1,4-Dioxane		2-Chloronaphthalene
Bromide	Molybdenum, Total	Ethylbenzene		4-Chlorophenyl Phenyl Ether
Chloride	Nickel, Total	Methyl Bromide		Chrysene
Sulfate	Phenols, Total	Methyl Chloride		Dibenzo(a,h)Anthracene
Sulfide	Selenium, Total	Methylene Chloride		1,2-Dichlorobenzene
Surfactants	Silver, Total	1,1,2,2-Tetrachloroethane		1,3- Dichlorobenzene
Fluoride	Thallium, Total	Tetrachloroethylene		1,4- Dichlorobenzene
Total Hardness	Zinc, Total	Toluene		3,3'-Dichlorobenzidine
		1,2-Trans-Dichloroethylene		Diethyl Phthalate
		1,1,1-Trichloroethane		Dimethyl Phthalate
		1,1,2-Trichloroethane		Di-n-Butyl Phthalate
		Trichloroethylene		2,4-Dinitrotoluene
		Vinyl Chloride		2,6-Dinitrotoluene
				Di-n-Octyl Phthalate

POLLUTANT GROUP 5 PARAMETERS (µg/L), (CONT'D)	POLLUTANT GROUP 6 PARAMETERS (µg/L)	POLLUTANT GROUP 7 PARAMETERS
Hexachlorocyclopentadiene Hexachloroethane Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene Nitrobenzene N-Nitroso-di-methylamine N-Nitroso-di-n-p-propylamine N-Nitroso-di-n-phenylamine Phenanthrene Pyrene 1,2,4-Trichlorobenzene Bis(2-Chloro-isopropyl)Ether Bis(2-Ethylhexyl)Phthalate 4-Bromophenyl Phenyl Ether Butyl Benzyl Phthalate 2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether Chrysene Dibenzo(a,h)Anthracene 1,2-Dichlorobenzene 1,3- Dichlorobenzene 1,4- Dichlorobenzene 3,3'-Dichlorobenzidine Diethyl Phthalate Dimethyl Phthalate Di-n-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene Di-n-Octyl Phthalate 1,2-Diphenylhydrazine (as Azobenzene) Fluoranthene Fluorene Hexachlorobenzene Hexechlorobutadiene Hexachlorocyclopentadiene	Aldrin Alpha BHC Beta BHC Gamma BHC Delta BHC Chlordane 4,4'-DDT 4,4'-DDE 4,4'-DDD Dieldrin Alpha- Endosulfan Beta-Endosulfan Endosulfan Sulfate Endrin Endrin Aldehyde Heptachlor Heptachlor Epoxide PCB -1242 PCB -1254 PCB-1221 PCB-1232 PCB-1248 PCB-1260 PCB-1016 Toxaphene 2,3,7,8-Tetrachlorodibenzo-p- Dioxin	Gross Alpha (pCi/L) Beta, Total (pCi/L) Radium 226/228, Total (pCi/L) Strontium, Total (µg/L) Uranium, Total (µg/L) Osmotic Pressure (µmhos/cm)

**DOCUMENT REVISION HISTORY**

<b>Date</b>	<b>Revision Reason</b>
April 2018	Added link to GIF form.