

ALLEGHENY COUNTY SANITARY AUTHORITY  
BASE LINE MONITORING REPORT (BMR)

Company Name \_\_\_\_\_

Company Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contact Person \_\_\_\_\_ Title \_\_\_\_\_

Submission date \_\_\_\_/\_\_\_\_/\_\_\_\_

Pursuant to 40 CFR 403.12 (b) Industrial users must submit a Base Line Monitoring Report (BMR) to qualitatively and quantitatively identify the concentration of regulated pollutants in their industrial discharge to the POTW. This report will be used in conjunction with your Industrial Discharge Permit Application to determine the number of pollutants and sampling frequency for pollutants that will be regulated in your discharge Permit.

Sampling must be conducted in a manner pursuant to 40 CFR 403.12 (b) (5), analyzed using EPA methods detailed in 40 CFR 136, and must be representative of normal operating conditions.

In lieu of sampling an Industrial user may submit historical data not older than five (5) years so long as the data was collected in a manner pursuant to 40 CFR 403.12 (b) (5), and analyzed using EPA methods detailed in 40 CFR 136 and is representative of normal operating conditions or proposed discharge to the POTW.

BMR sampling, when necessary must be conducted and submitted to ALCOSAN within ninety (90) days of receipt of your Proposed Industrial Discharge Permit. Historical data should be submitted with the permit application. If a combination of sampling and historical data will be used, make a blank copy parts I, II, III and IV, and submit the historical data with the permit application. After the analytical results have been received submit the current analytical data on the copy under a cover letter designated Addendum to BMR.

If all process wastes cannot be sampled at a single location, separate parts I, II, III and IV will be necessary for each distinct sampling location.

INSTRUCTIONS

Parts I and II are divided into groups pursuant to the method of collection and analysis. Fill in the wastewater concentration in milligrams per liter for all items checked. Note that beside the group name the All [ ] space may be checked. If so, data for all chemicals in that particular group must be submitted. After each chemical circle either S or H to denote current sampling or historical data respectively. Please note that laboratory report sheets and chain of custody documentation must be attached to the back of this form.

Part III is information on BMP requirements. Part IV is the certification by an Authorized Representative of User. Authorized Representative of User. An authorized representative a User may be: (1) a Responsible Corporate Officer if the User is a corporation; (2) a general partner or proprietor if the User is a partnership or sole proprietorship, respectively; (3) a director or highest official appointed or designated to oversee the operation and performance of the governmental facility, or their designee, if the User is a Federal, state or local governmental facility; or (4) a Duly Authorized Representative of the individual designated in (1), (2) or (3) above.

- a) A Responsible Corporate Officer means (i) the president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or other person who performs similar policy or decision making functions for the corporation; or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- b) A Duly Authorized Representative is an individual authorized in writing by a Responsible Corporate Officer, general partner, or proprietor or director of a Federal, state or local governmental facility to be signatory for all required reports submitted under the User's permit. To designate a Duly Authorized Representative, the authorization must specify either an individual or position having responsibility for the overall operation of the facility from which the discharge originates such as the position of plant manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company and must be submitted in writing to ALCOSAN. The authorization designating the Duly Authorized Representative must be submitted to ALCOSAN prior to or together with any reports signed by an authorized representative. The authorization specified in (1), (2) or (3) must be submitted to ALCOSAN in writing.

Company Name \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
 New Application [ ] Renewal [ ] Addendum [ ]

Sample Location: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PART I**

1

A minimum of four (4) grab samples must be collected and averaged (arithmetic) for the following items checked in part I. Please attach analytical data along with Chain of Custody Documentation to the back of this form.

Metals All [ ]

- |               |                |              |                |                |                |
|---------------|----------------|--------------|----------------|----------------|----------------|
| [ ] Arsenic   | _____ mg/l S H | [ ] Chromium | _____ mg/l S H | [ ] Thallium   | _____ mg/l S H |
| [ ] Antimony  | _____ mg/l S H | [ ] Copper   | _____ mg/l S H | [ ] Zinc       | _____ mg/l S H |
| [ ] Beryllium | _____ mg/l S H | [ ] Nickel   | _____ mg/l S H | [ ] Molybdenum | _____ mg/l S H |
| [ ] Cadmium   | _____ mg/l S H | [ ] Mercury  | _____ mg/l S H | [ ] _____      | _____ mg/l S H |
| [ ] Lead      | _____ mg/l S H | [ ] Selenium | _____ mg/l S H | [ ] _____      | _____ mg/l S H |

Acids Extractable All [ ]

- |                           |                |                          |                |
|---------------------------|----------------|--------------------------|----------------|
| [ ] 2-Chlorophenol        | _____ mg/l S H | [ ] 2,4-Dimethylphenol   | _____ mg/l S H |
| [ ] Phenol                | _____ mg/l S H | [ ] 2,4-Dinitrophenol    | _____ mg/l S H |
| [ ] 2,4-Dichlorophenol    | _____ mg/l S H | [ ] 4,6-Dinitro-o-cresol | _____ mg/l S H |
| [ ] 2-Nitrophenol         | _____ mg/l S H | [ ] 4-Nitrophenol        | _____ mg/l S H |
| [ ] p-Chloro-m-cresol     | _____ mg/l S H | [ ] Pentachlorophenol    | _____ mg/l S H |
| [ ] 2,4,6 Trichlorophenol | _____ mg/l S H |                          |                |

Base Neutrals All [ ]

- |                                 |                |                                 |                |
|---------------------------------|----------------|---------------------------------|----------------|
| [ ] 1,3-Dichlorobenzene         | _____ mg/l S H | [ ] Phenanthrene                | _____ mg/l S H |
| [ ] 1,4-Dichlorobenzene         | _____ mg/l S H | [ ] Anthracene                  | _____ mg/l S H |
| [ ] Hexachloroethane            | _____ mg/l S H | [ ] Dimethyl phthalate          | _____ mg/l S H |
| [ ] 1,2-Dichlorobenzene         | _____ mg/l S H | [ ] Diethyl phthalate           | _____ mg/l S H |
| [ ] Bis-2-chloroisopropyl ether | _____ mg/l S H | [ ] Fluoranthene                | _____ mg/l S H |
| [ ] Hexachlorobutadiene         | _____ mg/l S H | [ ] Pyrene                      | _____ mg/l S H |
| [ ] 1,2,4-Trichlorobenzene      | _____ mg/l S H | [ ] Di-n-butyl phthalate        | _____ mg/l S H |
| [ ] Naphthalene                 | _____ mg/l S H | [ ] Benzidine                   | _____ mg/l S H |
| [ ] Bis-2-chloroethyl ether     | _____ mg/l S H | [ ] Butyl benzyl phthalate      | _____ mg/l S H |
| [ ] Hexachlorocyclopentadiene   | _____ mg/l S H | [ ] Chrysene                    | _____ mg/l S H |
| [ ] Nitobenzene                 | _____ mg/l S H | [ ] Bis(2-ethylhexyl)phthalate  | _____ mg/l S H |
| [ ] Bis-2-chloroethoxy methane  | _____ mg/l S H | [ ] Benzo(a)anthracene          | _____ mg/l S H |
| [ ] 2-Chloronaphthalene         | _____ mg/l S H | [ ] Benzo(b)fluoranthene        | _____ mg/l S H |
| [ ] Acenaphthylene              | _____ mg/l S H | [ ] Benzo(k)fluoranthene        | _____ mg/l S H |
| [ ] Acenaphthene                | _____ mg/l S H | [ ] Benzo(a)pyrene              | _____ mg/l S H |
| [ ] Isophorone                  | _____ mg/l S H | [ ] Indeno(1,2,3-cd)pyrene      | _____ mg/l S H |
| [ ] Fluorene                    | _____ mg/l S H | [ ] Dibenzo(a,h)anthracene      | _____ mg/l S H |
| [ ] 2,6-Dinitrotoluene          | _____ mg/l S H | [ ] Benzo(g,h,i)perylene        | _____ mg/l S H |
| [ ] 1,2-Diphenylhydrazine       | _____ mg/l S H | [ ] N-nitrosodimethylamine      | _____ mg/l S H |
| [ ] 2,4-Dinitrotoluene          | _____ mg/l S H | [ ] N-nitrosodi-n-propylamine   | _____ mg/l S H |
| [ ] N-nitrosodiphenylamine      | _____ mg/l S H | [ ] 4-Chlorophenyl phenyl ether | _____ mg/l S H |
| [ ] Hexachlorobenzene           | _____ mg/l S H | [ ] 3,3-Dichlorobenzidine       | _____ mg/l S H |
| [ ] 4-Bromophenyl phenyl ether  | _____ mg/l S H | [ ] Di-n-octyl phthalate        | _____ mg/l S H |

1 A grab sample is a sample which is taken from a waste stream without regard to the flow in the waste stream and over a period of time not to exceed 15 minutes. For Categorical Industrial Users, the sample must be collected downstream from the pretreatment facilities if such exists or immediately downstream from the regulated process. For Non-Categorical Industrial Users, the sample must be collected at a total facility discharge location.

Company Name \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
 New Application [ ] Renewal [ ] Addendum [ ]

Sample Location: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PART II**

1

A minimum of four (4) grab samples must be collected and averaged (arithmetic) for the following items checked in part II. Please attach analytical data along with Chain of Custody Documentation to the back of this form.

Conventional All [ ]

[ ] pH \_\_\_\_\_ mg/l S H [ ] Biological Oxygen Demand \_\_\_\_\_ mg/l S H  
 [ ] Cyanide \_\_\_\_\_ mg/l S H [ ] Total Suspended Solids \_\_\_\_\_ mg/l S H  
 [ ] Oil & Grease \_\_\_\_\_ mg/l S H

Volatile All [ ]

[ ] Benzene	_____ mg/l S H	[ ] 1,2-Dichloroethane	_____ mg/l S H
[ ] Toluene	_____ mg/l S H	[ ] 1,1,1-Trichloroethane	_____ mg/l S H
[ ] Xylene	_____ mg/l S H	[ ] Carbon tetrachloride	_____ mg/l S H
[ ] Ethylbenzene	_____ mg/l S H	[ ] Bromodichloromethane	_____ mg/l S H
[ ] Chloromethane	_____ mg/l S H	[ ] Bis-chloromethyl ether	_____ mg/l S H
[ ] Dichlorodifluoromethane	_____ mg/l S H	[ ] 1,2-Dichloropropane	_____ mg/l S H
[ ] Bromomethane	_____ mg/l S H	[ ] Trans-1,3-dichloropropene	_____ mg/l S H
[ ] Vinyl chloride	_____ mg/l S H	[ ] Dibromochloromethane	_____ mg/l S H
[ ] Chloroethane	_____ mg/l S H	[ ] Cis-1,3-dichloropropene	_____ mg/l S H
[ ] Methylene chloride	_____ mg/l S H	[ ] 1,1,2-Trichloroethane	_____ mg/l S H
[ ] Trichlorofluoromethane	_____ mg/l S H	[ ] 2-Chloroethylvinyl ether	_____ mg/l S H
[ ] 1,1-Dichloroethylene	_____ mg/l S H	[ ] Bromoform	_____ mg/l S H
[ ] 1,1-Dichloroethane	_____ mg/l S H	[ ] 1,1,2,2-Tetrachloroethane	_____ mg/l S H
[ ] Trans-1,2-dichloroethylene	_____ mg/l S H	[ ] Chlorobenzene	_____ mg/l S H
[ ] Chloroform	_____ mg/l S H		

1 A grab sample is a sample which is taken from a waste stream without regard to the flow in the waste stream and over a period of time not to exceed 15 minutes. For Categorical Industrial Users, the sample must be collected downstream from the pretreatment facilities if such exists or immediately downstream from the regulated process. For Non-Categorical Industrial Users, the sample must be collected at a total facility discharge location.

**PART III**

Has Best Management Practice (BMP) requirements been implemented?.....[ ]No [ ]Yes  
 If yes, please provide an explanation as an attachment to this document of information on Compliance with BMP requirements.

Company Name \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
New Application [ ] Renewal [ ] Addendum [ ]

Sample Location: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PART IV**

**CERTIFICATION OF INFORMATION  
BY Authorized Representative of User**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (Print) \_\_\_\_\_

Title \_\_\_\_\_

Signature \_\_\_\_\_

Telephone Number ( ) \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_