

**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER QUALITY**

**SUPPLEMENTAL APPLICATION FORM TO NJPDES-1 FOR CATEGORY CG  
(General Non-Contact Cooling Water) Discharge to Surface Water (DSW) Permit**

Please provide a cover letter, NJPDES-1 form and this form to complete a Request For Authorization (RFA) for any new or renewal CG NJPDES DSW Permit. Provide all applicable information. Please print or type (Attach additional sheets if necessary). Please contact the Bureau of Surface Water Permitting at (609) 292-4860 with any questions on this form.

If you would like to do business electronically, please complete and submit the "Agreement To Do Business Electronically" form that is included with the NJPDES-1 form.

<b>1. FACILITY NAME:</b>			<b>2. NJPDES NO. :</b> (New Applicants Leave Blank) <b>NJ:</b>	
<b>3. THE PERMIT APPLICATION SHALL INCLUDE THE FOLLOWING ATTACHMENTS:</b> <b>A. FACILITY DIAGRAM</b> (Show facility and location of discharge) <b>B. TREATMENT FLOW DIAGRAM</b> (Show water flow and treatment) <b>C. USGS MAP</b> (U.S. Geological Survey Topographic Map, 7.5 minute Quadrangle Series) (Show facility and location of discharges to streams, storm sewers, and storm sewer discharges to streams as applicable).				
<b>4. Outfall Information:</b>				
OUTFALL NUMBER	LATITUDE (deg., min., sec.)	LONGITUDE (deg., min., sec.)	Conveyances (pipe, storm drain, ditch, other)	RECEIVING WATER (name and classification)
DSN001A				
DSN002A				
DSN003A				
DSN004A				
<b>5. Contaminant Information</b>				
<p><b>a) Summarize Contaminants of Concern-</b> Attach the laboratory data (results only) of at least <b>ONE REPRESENTATIVE SAMPLE OF EFFLUENT</b>, including but not limited to; Volatiles, Acid Compounds, Base Neutral Compounds, Pesticides and Dioxin, Metals and Cyanide and Total Phenols. See the attached list of required parameters to be sampled. The applicant may use historical data, as long as it is representative of the proposed discharge and provided that the data was collected no more than 12 months prior to the submittal of this application. Summarize contaminants of concern here:</p>				
<p><b>b) List any treatment used</b> (e.g. settling, oil/water separation, etc.)</p>				
<p><b>c) Please list any biocides or other additives used and provide the MSDS sheets for such:</b></p>				

**d) Additional Effluent Data** (estimate proposed flow if data is not available): Outfall Number (DSN) \_\_\_\_\_. Please provide data for TSS, TOC, COD, CPO, Oil & Grease and Petroleum Hydrocarbons in concentration in the listed units. Use additional sheets as necessary for additional outfalls.

Pollutant	Monthly Average	Daily Maximum	Number of Samples
Flow GPD or MGD			
Temperature °C			
Total Suspended Solids (TSS) mg/L			
pH Standard Units			
Total Organic Carbon (TOC) <i>or</i> Chemical Oxygen Demand (COD) mg/L			
Chlorine Produced Oxidants (CPO) mg/L			
Oil & Grease <i>or</i> Petroleum Hydrocarbons mg/L			

**6. EVIDENCE OF APPLICATION SUBMISSION TO THE AFFECTED SEWERAGE ENTITY (IES) AND MUNICIPALITY:** Applicable for **NEW discharges or activities or for a change in the location or method of discharge for EXISTING discharges.** Submit copies of the signed and dated notices that were sent along with this application to the affected sewerage entity(ies) and municipality via certified mail return receipts requested or by other means of verification, and copies of the dated certified mail return receipts or other means of verification of receipt.

NOTE: Prior to submitting the application to the Department, submit the following to the affected sewerage entity(ies) and municipality in accordance with N.J.A.C. 7:14A-4.3(a)13:

1. A copy of the Application.
2. A written notice (certified mail return receipt requested or by other means which allows verification of the fact and date of receipt) that the sewerage entity(ies) and municipality must submit to the Department written comments regarding or objections to the proposed discharge or activity within 30 days of receipt of said notice. The Department shall consider these comments in determining whether to issue an authorization. The Department can proceed with the authorization even if comments are not submitted.

**7. PUBLIC NOTICE:** The permittee is required to publish the following in a daily or weekly newspaper within the affected area for one day to request authorization under the General Permit pursuant to N.J.A.C. 7:14A- 6.13(d)3:

*"Notice is hereby given that pursuant to N.J.A.C. 7:14A-6.13(d)3, \_\_\_\_\_ [name of applicant] intends to submit a request for authorization under the General Non-Contact Cooling Water Permit, No.NJ0070203 to the N.J. Department of Environmental Protection. This authorization will allow \_\_\_\_\_ [name and address of facility] to discharge non-contact cooling water into the specified surface waters of the State."*

**Please submit documentation that a public notice has been published (Also provide a copy of the public notice (newspaper clipping)).**

**8. TREATMENT WORKS APPROVAL:** Prior to discharge and upon issuance of a Final permit, a General Industrial Treatment Works Approval (GI TWA) may be required for the construction of a treatment works (N.J.A.C. 7:14A-22) which will enable you to meet limits and conditions of the NJPDES permit. If you have any questions or comments regarding the TWA, please contact the General Industrial TWA Permits Section of the Bureau of Construction and Connection Permits at (609) 984-4429.

**9. RESIDUALS APPLICATION FORM R GENERATOR – INDUSTRIAL** Contact the Bureau of Pretreatment and Residuals at (609) 633-3823 with questions.

**10. STORM DRAINAGE SYSTEMS UNDER THE JURISDICTION OF THE NJDOT** If the applicant will make an attachment or install drainage facilities to any NJDOT storm drainage system or within the state highway system, it shall contact the appropriate NJDOT office below:

Northern Office 973-601-6625-5140, Counties: Bergen, Essex, Hudson, Morris, Passaic, Sussex, Union and portions of Warren (North of Route 57 only)

Central Office 732-625-4330, Counties: Hunterdon, Mercer, Middlesex, Monmouth, Ocean, Somerset and portions of Warren (Routes 22, 122, 173, 78 and including south of Route 57 only)

Southern Office 856-486-6688, Counties: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, and Salem

**11. CERTIFICATION BY THE APPLICANT:**

**“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 purposely, knowingly, recklessly or negligently submitting false information.”**

NAME (Type or Print)

TITLE (Type or Print)

SIGNATURE

DATE

PHONE NUMBER

EMAIL ADDRESS

For \_\_\_\_\_  
NAME OF APPLICANT/OPERATING ENTITY (Type or Print)

**SUBMIT THIS FORM ALONG WITH A COVER LETTER, THE  
NJPDES FORM-1 AND NECESSARY ATTACHMENTS TO:**

**Mail Code 401-02B  
Permit Administration Section  
Division of Water Quality  
PO Box 420  
Trenton, New Jersey 08625-0420**

**ORGANIC TOXIC POLLUTANTS IN EACH OF FOUR FRACTIONS IN ANALYSIS BY GAS CHROMATOGRAPHY/MASS SPECTROSCOPY (GC/MS)**

**Volatiles**

Acrolein  
 Acrylonitrile  
 Benzene  
 Bromoform  
 Carbon Tetrachloride  
 Chlorobenzene  
 Chlorodibromomethane  
 (Dibromochloromethane)  
 Chloroethane  
 2-Chloroethylvinyl Ether  
 Chloroform  
 Dichlorobromomethane  
 1,1-Dichloroethane  
 1,2-Dichloroethane  
 1,1-Dichloroethylene  
 1,2-Dichloropropane  
 1,3-Dichloropropylene  
 Ethylbenzene  
 Methyl Bromide  
 Methyl Chloride  
 Methylene Chloride  
 1,1,2,2-Tetrachloroethane  
 Tetrachloroethylene  
 Toluene  
 1,2-trans-Dichloroethylene  
 1,1,1-Trichloroethane  
 1,1,2-Trichloroethane  
 Trichloroethylene  
 Vinyl Chloride

**Acid Compounds**

2-Chlorophenol  
 2,4-Dichlorophenol  
 2,4-Dimethylphenol  
 4,6-Dinitro-O-Cresol  
 2,4-Dinitrophenol  
 2-Nitrophenol  
 4-Nitrophenol  
 P-Chloro-M-Cresol  
 Pentachlorophenol  
 Phenol  
 2,4,5-Trichlorophenol  
 2,4,6-Trichlorophenol

**Base/Neutral**

Acenaphthene  
 Acenaphthylene  
 Anthracene  
 Benzidine  
 Benzo(a)Anthracene  
 Benzo(a)Pyrene  
 3,4-Benzofluoranthene  
 Benzo(ghi)Perylene  
 Benzo(k)Fluoranthene  
 Bis (2-Chloroethoxy) Methane  
 Bis (2-Chloroethyl) Ether  
 Bis (2-Chloroisopropyl) Ether  
 Bis (2-Ethylhexyl) Phthalate  
 4-Bromophenyl Phenyl Ether  
 Butyl Benzyl Phthalate  
 Chloride  
 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  
 Hexachlorobutadiene  
 Hexachlorocyclopentadiene  
 Hexachloroethane  
 Indeno (1,2,3-cd) Pyrene  
 Isophorone  
 Naphthalene

Nitrobenzene  
 N-Nitrosodiethylamine  
 N-Nitrosodimethylamine  
 N-Nitrosodi-N butylamine  
 N-Nitrosodi-N-Propylamine  
 (Di-N-Propylnitrosamine)  
 N-Nitrosodiphenylamine  
 N-Nitrosopyrrolidine  
 Pentachlorobenzene  
 Phenanthrene  
 Pyrene  
 1,2,4,5Tetrachlorobenzene  
 1,2,4-Trichlorobenzene

Toxaphene  
 Polychlorinated  
 biphenyls (PCBs)  
 2,3,7,8  
 Tetrachlorodibenzo-p-  
 dioxin (TCDD) <sup>1</sup>

**Pesticides and Dioxin**

Aldrin  
 Alpha-BHC  
 Beta-BHC  
 Gamma-BHC (Lindane)  
 Delta-BHC  
 Chlordane  
 Chlorpyrifos  
 4,4'-DDT  
 4,4'-DDE  
 4,4'-DDD  
 Demeton  
 Dieldrin  
 Alpha-Endosulfan  
 Beta-Endosulfan  
 Endosulfan Sulfate  
 Endosulfans, Total (alpha and  
 beta)  
 Endrin  
 Endrin Aldehyde  
 Guthion  
 Heptachlor  
 Heptachlor Epoxide  
 Malathion  
 Methoxychlor  
 Mirex  
 Parathion  
 PCB-1242, PCB-1254  
 PCB-1221, PCB-1232  
 PCB-1248, PCB-1260  
 PCB-1016

1 *It is acceptable to use the screening procedure for 2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin (TCDD) using Method 625. Please note that Method 625 is approved for TCDD screening only and is not to be used for quantitation. Should TCDD be detected using Method 625, then Method 613, or another approved test procedure, must be used to conclusively determine the pollutant's presence and concentration level.*

**OTHER TOXIC POLLUTANTS (*METALS AND  
CYANIDE*) AND TOTAL PHENOLS**

Antimony, Total  
Arsenic, Total  
Beryllium, Total  
Cadmium, Total  
Chromium, Total  
Copper, Total  
Lead, Total  
Mercury, Total  
Nickel, Total  
Selenium, Total  
Silver, Total  
Thallium, Total  
Zinc, Total  
Cyanide, Total  
Phenols, Total

**CONVENTIONAL AND NONCONVENTIONAL  
POLLUTANTS REQUIRED TO BE TESTED *IF  
EXPECTED TO BE PRESENT***

Fecal Coliform  
Radioactivity  
Iron, Total

**ADDITIONAL PARAMETERS REQUIRED AS PART OF THE B4B AND BGR APPLICATION**

Methyl-*Tert*-Butyl Ether (MTBE)  
*Tert*-Butyl-Alcohol (TBA)