



APPLICATION FORM 2F

PERMIT TO DISCHARGE STORMWATER ASSOCIATED WITH
INDUSTRIAL ACTIVITY

INSTRUCTIONS FOR FORM 2F

Who Must File Form 2F

DEP Form 62-620.910(8) (Form 2F) must be completed by owners or operators of facilities or activities that have stormwater discharge associated with industrial activity to surface waters of the state and for which such discharge is not otherwise covered by a State of Florida generic permit.

In addition to Form 2F,

- a. owners or operators that have stormwater discharge associated with industrial activity at a facility which discharges process wastewater to surface water must complete and submit DEP Forms 62-620.910(1) and (5) (Forms 1 and 2CS). (See Rule 62-620.200, F.A.C., for a definition of process wastewater.)
- b. owners or operators that have stormwater discharge associated with industrial activity at a facility which discharges process wastewater to ground water must complete and submit DEP Forms 62-620.910(1) and (4) (Forms 1 and 2CG).
- c. owners or operators that have stormwater discharge associated with industrial activity at a facility which discharges non-process wastewater to surface water must complete and submit DEP Forms 62-620.910(1) and (7) (Forms 1 and 2ES). (See Rule 62-620.200, F.A.C., for a definition of non-process wastewater.)
- d. owners or operators that have stormwater discharge associated with industrial activity at a facility which discharges non-process wastewater to ground water must complete and submit DEP Forms 62-620.910(1) and (6) (Forms 1 and 2EG).
- e. owners or operators that have stormwater discharge associated with industrial activity from a domestic wastewater facility must complete and submit DEP Forms 62-620.910(1) and (2) (Forms 1 and 2A). (See Rule 62-620.200, F.A.C., for a definition of domestic wastewater facility.)

Where to File Applications

The application forms should be sent to the appropriate Department office listed in Form 1.

Completeness

Your application will not be considered complete unless you answer every question on this form and the other forms listed above. If an item does not apply to you, enter "NA" (for not applicable) to show that you considered the question.

Public Availability of Submitted Information

You may not claim as confidential any information required by this form or the other required forms, whether the information is reported on the forms or in an attachment. Chapter 119, F.S., requires that all permit applications be made available to the public upon request. Any information, except effluent data, you submit to the Department which goes beyond that required by the forms listed above may be claimed as confidential if the requirements of 40 CFR 2 are met. If you do not assert a claim of confidentiality at the time of submitting the information, the Department may make the information public without further notice to you.

Definitions

"Stormwater discharge associated with industrial activity" is as defined in 40 CFR 122.26(b)(14).

"Material handling activities" means the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate

from the industrial activities as long as the drainage from the excluded areas is not mixed with stormwater drained from the described areas.

"Significant materials" means raw materials, fuels, solvents, detergents, plastic pellets, finished materials, metallic products, raw materials used in food processing or production, hazardous substances designated under section 101(14) of CERCLA, any chemical the facility is required to report pursuant to section 313 of title III of SARA, fertilizers, pesticides, waste products, ashes, slag and sludge that have the potential to be released with stormwater discharges.

Additional significant terms used in these instructions and in the form are defined in the glossary found in Form 1 or in Chapters 62-600, 62-620, or 62-660, F.A.C.

ID Number

Fill in your identification number at the top of each odd-numbered page of Form 2F. You may copy this number directly from Form 1. If you are applying for the initial permit for your facility or activity and do not have an identification number, leave this item blank and the Department will assign a number.

Item I

Determine the latitude and longitude of each of your outfalls and the name of the receiving water. If your stormwater is combined with domestic, process or non-process industrial wastewater, indicate which of the outfalls identified on Form 2A, 2CS or 2ES will contain the combined wastewater.

Item II-A

If the answer to this question is yes, complete all parts of the chart, or attach a copy of any previous submission you have made to the Department containing the same information.

Item II-B

You are not required to submit a description of future pollution control projects if you do not wish to or if none is planned.

Item III

Attach a site map showing topography depicting the facility including:

each of its drainage and discharge structures;

the drainage area of each stormwater outfall;

paved areas and buildings within the drainage area of each stormwater outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in stormwater runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied;

each of its hazardous waste treatment, storage or disposal facilities (including each area not required to have a RCRA permit which is used for accumulating hazardous waste for less than 90 days);

each well where fluids from the facility are injected underground; and

springs, and other surface water bodies which receive stormwater discharges from the facility.

Item IV-A

For each outfall, provide an estimate of the area drained by the outfall which is covered by impervious surfaces. For the purpose of this application, impervious surfaces are surfaces where stormwater runs off at rates that are significantly higher than background rates (for example, pre-development levels) and include paved areas, building roofs, parking lots, and roadways. Include an estimate of the total area, including all impervious and pervious areas, drained by each outfall. The site map required under Item III can be used to estimate the total area drained by each outfall.

Item IV-B

Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to stormwater; method of treatment, storage or disposal of these materials; past and present materials management practices employed, in the last three years, to minimize contact by these materials with stormwater runoff; materials loading and access areas and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied. Significant materials should be identified by chemical name, form (powder, liquid, etc.), and type of container or treatment unit. Indicate any materials treated, stored, or disposed of together.

Item IV-C

For each outfall, structural controls include structures which enclose material handling or storage areas covering materials, berms, dikes, or diversion ditches around manufacturing, production, storage or treatment units, retention ponds, etc. Non-structural controls include practices such as spill prevention plans, employee training, visual inspections, preventive maintenance, and housekeeping measure that are used to prevent or minimize the potential for releases of pollutants.

Item V

Provide a certification that all outfalls that should contain stormwater discharge associated with industrial activity have been tested or evaluated for the presence of non-stormwater discharges which are not covered by an wastewater permit under Rule 62-620, F.A.C. Tests for such non-stormwater discharges may include smoke tests, fluorometric dye tests, analysis of accurate schematics, as well as other appropriate tests. Part B must include a description of the method used, the date of any testing, and the on-site drainage points that were directly observed during a test. All non-stormwater discharges must be identified in the appropriate form from the "Form 2" series which must accompany this application.

Item VI

Provide a description of existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years.

Item VII-A, B, and C

These items require you to collect and report data on the pollutants discharged for each of your outfalls. Each part of this item addresses a different set of pollutants and must be completed in accordance with the specific instructions for that part. The following general instructions apply to the entire item.

General Instructions for Item VII-A, B, and C

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C requires you to report analytical data in two ways. For some pollutants addressed in Parts B and C, if you know or have reason to know that the pollutant is present in your discharge, you may be required to list the pollutant and test (sample and analyze) and report the levels of the pollutants in your discharge. For all other pollutants addressed in Parts B and C, you must list the pollutant if you know or have reason to know that the pollutant is present in the discharge, and either report quantitative data for the pollutant or briefly describe the reasons the pollutant is expected to be discharged. (See specific instructions on the form and below for Parts A through C.) 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 by-products, and any previous analyses known to you of your effluent or similar effluent.

A. Sampling: The collection of the samples for the reported analyses shall be in accordance with 40 CFR 136 and Rule 62-160, F.A.C. 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. The time when you sample should be representative, to the extent feasible, of your treatment system operating properly with no system upsets. 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 pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples taken during the first 30 minutes, or as soon thereafter as practicable, of the discharge must be used. For all other pollutants 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 must be analyzed. However, a minimum of one grab sample may be taken for effluents from holding ponds or other impoundments with a retention period of greater than 24 hours.

All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches 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.

A grab sample shall be taken during the first 30 minutes, or as soon thereafter as practicable, and a flow-weighted composite shall be taken for the entire event or for the first three hours of the event.

Grab and composite samples are defined as follows:

Grab sample: An individual sample of at least 100 milliliters collected during the first 30 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 15 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. Where GC/MS Volatile Organic Analysis (VOA) is required, aliquots must be combined in the laboratory immediately before analysis. Only one analysis for the composite sample is required.

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.

Among the factors which would cause the data to be unrepresentative are significant changes in production level, changes in raw materials, processes, or final products, and changes in stormwater treatment. The Department may request additional information, including current quantitative data, if it is necessary to assess your discharges. The Department may allow or establish appropriate site-specific sampling procedures or requirements, including sampling locations, the season in which the sampling takes place, the minimum duration between the previous measurable storm event and the storm event sampled, the minimum or maximum level of precipitation required for an appropriate storm event, the protocols for collecting samples under 40 CFR 136 or Rule 62-160, F.A.C., and additional time for submitting data on a case-by-case basis.

B. Reporting: All levels must be reported as concentration and mass. Grab samples are reported in terms of concentration. You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages VII-1 and VII-2 if separate sheets contain all the required information in a format which is consistent with pages VII-1 and VII-2 in spacing and identification of pollutants and columns. Use the abbreviations listed below in the columns headed "Units."

Concentration

| | |
|------|----------------------|
| ppb | parts per billion |
| ppm | parts per million |
| mg/L | milligrams per liter |
| ug/L | micrograms per liter |

Mass

| | |
|-----|----------------------|
| lbs | pounds |
| ton | tons (English tons) |
| mg | milligrams |
| g | grams |
| kg | kilograms |
| T | tonnes (metric tons) |

All reporting of values for metals must be in terms of "total recoverable metal," unless

- (1) An applicable, promulgated effluent limitation or standard specifies the limitation for the metal in dissolved, valent, or total form; or
- (2) All approved analytical methods for the metal inherently measure only its dissolved form; or
- (3) The Department has determined that in establishing case-by-case limitations it is necessary to express the limitations on the metal in dissolved, valent, or total form to carry out the provision of the CWA. If you measure only one grab sample and one flow-weighted composite sample for a given outfall, complete only the "Maximum Values" columns and insert "1" into "Number of Storm Events Sampled" column. The Department may require you to conduct additional analyses to further characterize your discharges.

If you measure more than one value for a grab sample or a flow-weighted composite sample for a given outfall and those values are representative of your discharge, you must report them. You must describe your method of testing and data analysis. You also must determine the average of all values within the last year and report the concentration and mass under the "Average Values" columns, and the total number of storm events samples under the "Number of Storm Events Sampled" columns.

C. Analysis: You must use test methods promulgated in 40 CFR 136 or Rule 62-160, F.A.C.; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of pollutant in your discharge provided that you submit a description of the method or a reference to a published method. Your description should include the sample holding time, preservation techniques, and the quality control measures which you used. If you have two or more substantially identical outfalls, you may request permission to sample and analyze only one outfall and submit the results of the analysis for other substantially identical outfalls. If your request is granted by the Department, on a separate sheet attached to the application form, identify which outfall you did test, and describe why the outfalls which you did not test are substantially identical to the outfall which you did test.

Part VII-A

Part VII-A must be completed by all applicants for all outfalls who must complete Form 2F.

Analyze a grab sample collected during the first 30 minutes, or as soon thereafter as practicable, of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results except use only grab samples for pH and oil and grease. See discussion in General instructions to Item VII for definitions of grab sample collected during the first 30 minutes of discharge and flow-weighted composite sample. The "Average Values" column is not compulsory but should be filled out if data are available.

Part VII-B

List all pollutants that are limited in an effluent guideline which the facility is subject to or any pollutant listed in the wastewater permit for the facility if the facility is operating under an existing wastewater permit. Complete one table for each outfall. The "Average Values" column is not compulsory but should be filled out if data are available. Analyze a grab sample for all pollutants in this Part, and report the results, except as provided in the General Instructions.

Part VII-C

Part VII-C must be completed by all applicants for all outfalls which discharge stormwater associated with industrial activity. Use both a grab sample and a composite sample for all pollutants you analyze for in this part except use grab samples for residual chlorine and fecal coliform. The "Average Values" column is not compulsory but should be filled out if data are available. Part C requires you to address the pollutants in Table 2F-2, 2F-3, and 2F-4 for each outfall. Pollutants in each of these Tables are addressed differently.

Table 2F-2: For each outfall, list all pollutants in Table 2F-2 that you know or have reason to believe are discharged, except pollutants previously listed in Part VII-B. If a pollutant is limited in an effluent guideline limitation for the facility, the pollutant must be analyzed and reported in Part VII-B. If a pollutant in Table 2F-2 is indirectly limited by an effluent guideline limitation through an indicator (e.g., TSS used as an indicator to control the discharge of iron and aluminum), you must analyze for it and report the data in Part VII-B. For other pollutants listed in Table 2F-2, those not limited directly or indirectly by an effluent limitation guideline, that you know or have reason to believe are discharged, you must either report quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

Table 2F-3: For each outfall, list all pollutants in Table 2F-3 that you know or have reason to believe are discharged. For every pollutant in Table 2F-3 expected to be discharged in concentrations of 10 ppb or greater, you must submit quantitative data. For acrolein; acrylonitrile; 2,4 dinitrophenol; and 2-methyl-4, 6 dinitrophenol, you must submit quantitative data if any of these four pollutants is expected to be discharged in concentrations 100 ppb or greater. For every pollutant expected to be discharged in concentrations less than 10 ppb (or 100 ppb for the four pollutants listed above), then you must either submit quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

Table 2F-4: For each outfall, list any pollutant in Table 2F-4 that you know or believe to be present in the discharge and explain why you believe it to be present. No analysis is required, but if you have analytical data, you must report them. Certain discharges of hazardous substances may be exempted from the requirements of section 311 of the CWA which establishes reporting requirements. Please contact the Department for further information.

Part VII-D

If sampling is conducted during more than one storm event, you only need to report the information requested in Part VII-D for the storm event(s) which resulted in any maximum pollutant concentration report in Part VII-A, VII-B, or VII-C.

Provide flow measurements or estimates of the flow rate, and the total amount of discharge for the storm event(s) sampled, the method of flow measurement, or estimation. Provide the data and duration of the storm event(s) sampled, rainfall measurement, or estimates of the storm event which generated the sampled runoff and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

Part VII-E

List any toxic pollutant listed in Tables 2F-2, 2F-3, or 2F-4 which you currently use or manufacture as an intermediate or final product or by-product. In addition, if you know or have reason to believe that 2,3,7,8 tetrachlorodibenzo-p-dioxin (TCDD) is discharged, or if you use or manufacture 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 3,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); O,O-dimethyl O-(2,4,5-trichlorophenyl) phosphorothic acid (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); then list TCDD. The Department may waive or modify the requirement if you demonstrate that it would be unduly burdensome to identify each

toxic pollutant and the Department has adequate information to issue your permit. You may not claim this information as confidential; however, you do not have to distinguish between use or production of the pollutants or list the amounts.

Item VIII

Self explanatory. The Department may ask you to provide additional details after your application is received.

Item X

Chapter 403, F.S., provides for severe penalties for submitting false information on this application form. Rule 62-620.305, F.A.C., requires the certification in this item to be signed by an appropriate and responsible authority. If the certification is not signed in accordance with this rule, the application will be deemed incomplete and returned.

**TABLE 2F-1
CODES FOR TREATMENT UNITS**

Physical Treatment Processes

| | |
|-----------------------------------|---------------------------------------|
| 1-A Ammonia Stripping | 1-N Microstraining |
| 1-B Dialysis | 1-O Mixing |
| 1-C Diatomaceous Earth Filtration | 1-P Moving Bed Filters |
| 1-D Distillation | 1-Q Multimedia Filtration |
| 1-E Electrodialysis | 1-R Percolation Pond |
| 1-F Evaporation | 1-S Rapid Sand Filtration |
| 1-G Flocculation | 1-T Reverse Osmosis (Hyperfiltration) |
| 1-H Flotation | 1-U Screening |
| 1-I Foam Fractionation | 1-V Sedimentation (Settling) |
| 1-J Freezing | 1-W Slow Sand Filtration |
| 1-K Gas-Phase Separation | 1-X Solvent Extraction |
| 1-L Grinding (Comminutors) | 1-Y Sorption |
| 1-M Grit Removal | |

Chemical Treatment Processes

| | |
|-----------------------------|-------------------------------|
| 2-A Carbon Adsorption | 2-G Disinfection (Ozone) |
| 2-B Chemical Oxidation | 2-H Disinfection (Other) |
| 2-C Chemical Precipitation | 2-I Electrochemical Treatment |
| 2-D Coagulation | 2-J Ion Exchange |
| 2-E Dechlorination | 2-K Neutralization |
| 2-F Disinfection (Chlorine) | 2-L Reduction |

Biological Treatment Processes

| | |
|-----------------------------------|---------------------------------------|
| 3-A Activated Sludge | 3-E Pre-Aeration |
| 3-B Aerated Lagoons | 3-F Spray Irrigation/Land Application |
| 3-C Anaerobic Treatment | 3-G Stabilization Ponds |
| 3-D Nitrification-Denitrification | 3-H Trickling Filtration |

Other Processes

| | |
|-------------------------------------|---------------------------------------|
| 4-A Discharge to Surface Water | 4-C Reuse/Recycle of Treated Effluent |
| 4-B Ocean Discharge Through Outfall | 4-D Underground Injection |

Sludge Treatment and Disposal Processes

| | |
|---------------------------|-------------------------|
| 5-A Aerobic Digestion | 5-M Heat Drying |
| 5-B Anaerobic Digestion | 5-N Heat Treatment |
| 5-C Belt Filtration | 5-O Incineration |
| 5-D Centrifugation | 5-P Land Application |
| 5-E Chemical Conditioning | 5-Q Landfill |
| 5-F Chlorine Treatment | 5-R Pressure Filtration |
| 5-G Composting | 5-S Pyrolysis |
| 5-H Drying Beds | 5-T Sludge Lagoons |
| 5-I Elutriation | 5-U Vacuum Filtration |
| 5-J Flotation Thickening | 5-V Vibration |
| 5-K Freezing | 5-W Wet Oxidation |
| 5-L Gravity Thickening | |

TABLE 2F-2

**CONVENTIONAL AND NON-CONVENTIONAL POLLUTANTS REQUIRED TO BE TESTED
BY EXISTING DISCHARGER IF EXPECTED TO BE PRESENT**

| | |
|--------------------------|-------------------------|
| Aluminum, Total | Manganese, Total |
| Barium, Total | Nitrate-Nitrite |
| Boron, Total | Nitrogen, Total Organic |
| Bromide | Oil and Grease |
| Chlorine, Total Residual | Phosphorus, Total |
| Cobalt, Total | Radioactivity |
| Color | Sulfate |
| Fecal Coliform | Sulfide |
| Fluoride | Sulfite |
| Iron, Total | Surfactants |
| Magnesium, Total | Tin, Total |
| Molybdenum, Total | Titanium, Total |

**TABLE 2F-3
TOXIC POLLUTANTS REQUIRED TO BE IDENTIFIED BY APPLICANT IF EXPECTED TO BE PRESENT**

Toxic Pollutants and Total Phenol

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

GC/MS Fraction Volatiles Compounds

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

Acid Compounds

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

Base/Neutral

| | | |
|-----------------------------|---------------------------------------|---------------------------|
| Acenaphthene | 2-Chloronaphthalene | Fluroanthene |
| Acenaphthylene | 4-Chlorophenyl Phenyl Ether | Fluorene |
| Anthracene | Chrysene | Hexachlorobenzene |
| Benzidine | Dibenzo(a,h)anthracene | Hexachlorobutadiene |
| Benzo(a)anthracene | 1,2-Dichlorobenzene | Hexachloroethane |
| Benzo(a)pyrene | 1,3-Dichlorobenzene | Indeno(1,2,3-cd)pyrene |
| 3,4-Benzofluoranthene | 1,4-Dichlorobenzene | Isophorone |
| Benzo(ghi)perylene | 3,3-Dichlorobenzidine | Napthalene |
| Benzo(k)fluoranthene | Diethyl Phthalate | Nitrobenzene |
| Bis(2-chloroethoxy)methane | Dimethyl Phthalate | N-Nitrosodimethylamine |
| Bis(2-chloroethyl)ether | Di-N-Butyl Phthalate | N-Nitrosodi-N-Propylamine |
| Bis(2-chloroisopropyl)ether | 2,4-Dinitrotoluene | N-Nitrosodiphenylamine |
| Bis(2-ethylhexyl)phthalate | 2,6-Dinitrotoluene | Phenanthrene |
| 4-Bromophenyl Phenyl Ether | Di-N-Octylphthalate | Pyrene |
| Butylbenzyl Phthalate | 1,2-Diphenylhydrazine (as Azobenzene) | 1,2,4-Trichlorobenzene |

Pesticides

| | | |
|-----------|--------------------|-----------|
| Aldrin | Dieldrin | PCB-1242 |
| Alpha-BHC | Alpha-Endosulfan | PCB-1254 |
| Beta-BHC | Beta-Endosulfan | PCB-1221 |
| Gamma-BHC | Endosulfan Sulfate | PCB-1232 |
| Delta-BHC | Endrin | PCB-1248 |
| Chlordane | Endrin Aldehyde | PCB-1260 |
| 4,4'-DDT | Heptachlor | PCB-1016 |
| 4,4'-DDE | Heptachlor Epoxide | Toxaphene |
| 4,4'-DDD | | |

TABLE 2F-4 HAZARDOUS SUBSTANCES REQUIRED TO BE IDENTIFIED BY APPLICANT IF EXPECTED TO BE PRESENT

Toxic Pollutant

Asbestos

Hazardous Substances

| | | |
|-----------------------------|---------------------|----------------------------------|
| Acetaldehyde | Dinitrobenzene | Parathion |
| Allyl alcohol | Diquat | Phenolsulfonate |
| Allyl chloride | Disulfoton | Phosgene |
| Amyl acetate | Diuron | Progargite |
| Aniline | Epichlorohydrin | Propylene oxide |
| Benzonitrile | Ethion | Pyrethrins |
| Benzyl chloride | Ethylene diamine | Quinoline |
| Butyl acetate | Ethylene dibromide | Resorcinol |
| Butylamine | Formaldehyde | Stronthium |
| Carbaryl | Furfural | Strychnine |
| Carbofuran | Guthion | Styrene |
| Carbon disulfide | Isoprene | 2,4,5-T (2,4,5- |
| Chlorpyrifos | Isopropanolamine | Trichlorophenoxyacetic acid) |
| Coumaphos | Kelthane | TDE (Tetrachlorodiphenyl ethane) |
| Cresol | Kepone | 2,4,5-TP (2-(2,4,5- |
| Crotonaldehyde | Malathion | Trichlorophenoxy)propanoic |
| Cyclohexane | Mercaptodimethur | acid) |
| 2,4-D (2,4- | Methoxychlor | Trichlorofan |
| dichlorophenoxyacetic acid) | Methylmercaptan | Triethylamine |
| Diazinon | Methyl methacrylate | Trimethylamine |
| Dicamba | Methyl parathion | Uranium |
| Dichlobenil | Mevinphos | Vanadium |
| Dichlone | Mexacarbate | Vinyl acetate |
| 2,2-Dichloropropionic acid | Monoethyl amine | Xylene |
| Dichorvos | Monomethyl amine | Xylenol |
| Diethyl amine | Naled | Zirconium |
| Dimethyl amine | Napthenic acid | |
| | Nitrotoluene | |

FORM 2F



APPLICATION FOR PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY

Facility I.D. Number: _____

Please type or print in black ink. If additional space is needed for your answer, use plain sheets and attach to the application form.

I. Outfall Location:

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

| A. Outfall Number (list) | B. Latitude | | C. Longitude | | D. Receiving Water (Name) |
|--------------------------|-------------|--|--------------|--|---------------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

II. Improvements:

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of stormwater or wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions?

| 1. Identification of Conditions, Agreements | 2. Affected Outfalls | | 3. Brief Description of Project | 4. Final Compliance Date | |
|---|----------------------|---------------------|---------------------------------|--------------------------|--------------|
| | No. | Source of Discharge | | a. required | b. projected |
| | | | | | |
| | | | | | |
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B. You may attach additional sheets describing any additional water pollution or other environmental projects which may affect your discharge that you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map:

Attach a site map showing topography depicting the facility including each of its intake and discharge structures; the drainage area of each stormwater outfall; paved areas and buildings within the drainage area of each stormwater outfall; each known past or present areas used for outdoor storage or disposal of significant materials; each existing structural control measure to reduce pollutants in stormwater runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units; each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive stormwater discharges from the facility. Show hazardous waste storage or disposal areas that do not require a RCRA permit separate from those which do require a permit.

IV. Narrative Description of Pollutant Sources:

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces, including paved areas and building roofs, drained to the outfall, and an estimate of the total surface area drained by the outfall.

| Outfall No. | Area of Impervious Surface (units) | Total Area Drained (units) | Outfall No. | Area of Impervious Surface (units) | Total Area Drained (units) |
|-------------|------------------------------------|----------------------------|-------------|------------------------------------|----------------------------|
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B. Provide a narrative description of significant materials that are currently, or in the past three years have been, treated, stored or disposed in a manner that allows exposure to stormwater; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact with stormwater runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in stormwater runoff; and a description of the treatment the stormwater receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

| Outfall No. | Treatment | Table 2F-1 Code |
|-------------|-----------|-----------------|
| | | |

V. Non-stormwater Discharges:

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges, and that all non-stormwater discharges from these outfall(s) are identified in either an accompanying DEP Form 62-620.910(5) or (7) (Forms 2CS or 2ES) application for the outfall.

| Name and Official Title (type or print) | Signature | Date Signed |
|---|-----------|-------------|
| | | |

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

VI. Significant Leaks or Spills:

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

VII. Discharge Information:

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables VII-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any toxic pollutant listed in Table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or by-product?

Yes (list all such pollutants below) No (go to section VIII)

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Yes (list results below) No (go to Section IX)

IX. Contract Analysis Information

Were any of the analysis reported in item VII performed by a contract laboratory or consulting firm? Yes (list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below) No (go to Section X)

| A. Name | B. Address | C. Area Code & Phone No. | D. Pollutants Analyzed |
|---------|------------|--------------------------|------------------------|
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X-A. CERTIFICATIONS FOR NEW OR MODIFIED FACILITIES

I certify that the engineering features of this pollution control project have been designed by me and found to be in conformity with sound engineering principles, applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules of the Department. It is also agreed that the undersigned, if authorized by the owner, will furnish the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

| | |
|---------------------|---------------------------------|
| Signature | Company Name: |
| Name (please type): | Address: _____ |
| (Affix Seal) | Florida Registration No.: _____ |
| | Telephone No.: _____ |
| | Email (optional): _____ |
| | Date: _____ |

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 & Official Title (type or print) | Signature |
| Telephone No. (area code & no.) | Date Signed |
| Email (optional) | |

X-B. CERTIFICATIONS FOR PERMIT RENEWALS

I certify that the engineering features of this pollution control project have been examined by me and found to be in conformity with sound engineering principles, applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules of the Department.

| | |
|---------------------|---------------------------------|
| Signature | Company Name: |
| Name (please type): | Address: _____ |
| (Affix Seal) | Florida Registration No.: _____ |
| | Telephone No.: _____ |
| | Email (optional): _____ |
| | Date: _____ |

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 & Official Title (type or print) | Signature |
| Telephone No. (area code & no.) | Date Signed |
| Email (optional) | |

VII. Discharge Information (Continued from page 2F-15 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

| Pollutant and CAS Number (if available) | Minimum Values (include units) | | Average Values (include units) | | # of Storm Events Sampled | Sources of Pollutants |
|---|---|-------------------------|---|-------------------------|---------------------------|-----------------------|
| | Grab Sample Taken During First 30 Minutes | Flow-weighted Composite | Grab Sample Taken During First 30 Minutes | Flow-weighted Composite | | |
| Oil and Grease | | N/A | | | | |
| Biochemical Oxygen Demand (BOD ₅) | | | | | | |
| Chemical Oxygen Demand (COD) | | | | | | |
| Total Suspended Solids (TSS) | | | | | | |
| Total Kjeldahl Nitrogen | | | | | | |
| Nitrate + Nitrite Nitrogen | | | | | | |
| Total Phosphorus | | | | | | |
| pH | Minimum | Maximum | Minimum | Maximum | | |

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's wastewater permit for its wastewater effluent if the facility is operating under an existing wastewater permit. Complete one table for each outfall. See instructions for additional details and requirements.

| Pollutant and CAS Number (if available) | Minimum Values (include units) | | Average Values (include units) | | # of Storm Events Sampled | Sources of Pollutants |
|---|---|-------------------------|---|-------------------------|---------------------------|-----------------------|
| | Grab Sample Taken During First 30 Minutes | Flow-weighted composite | Grab Sample Taken During First 30 Minutes | Flow-weighted Composite | | |
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VII. Discharge Information (Continued from Table VII on page VII - 1 of Form 2F)

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reasons to believe is present. Complete one table for each outfall. See instructions for additional details.

| Pollutant and CAS Number (if available) | Minimum Values (include units) | | Average Values (include units) | | # of Storm Events Sampled | Sources of Pollutants |
|---|---|-------------------------|---|-------------------------|---------------------------|-----------------------|
| | Grab Sample Taken During First 30 Minutes | Flow-weighted Composite | Grab Sample Taken During First 30 Minutes | Flow-weighted Composite | | |
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Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

| 1. Date of Storm Event | 2. Duration of Storm Event (in minutes) | 3. Total rainfall during storm event (in inches) | 4. Number of hours between beginning of storm measured and end of previous measurable rain event | 5. Maximum flow rate during rain event (specify units) | 6. Total flow from rain event (specify units) | 7. Comments |
|------------------------|---|--|--|--|---|-------------|
| | | | | | | |

Provide a description of the method of flow measurement or estimate.