

PART I

NARRATIVE REQUIREMENTS

Combined Sewer Systems (GP)

A. AUTHORIZATION UNDER THIS PERMIT

1. Permit Area

- a. This permit applies to all areas of the State of New Jersey.

2. Eligibility & Scope

- a. This permit may authorize all existing combined sewer systems and combined sewer overflow points specifically identified or described in the individual authorizations.

3. Definitions

- a. As used in this permit, the following words and terms shall have the following meanings:
 - i. "Combined Sewer Collection and Conveyance System" means any portion of a Combined Sewer System excluding the Combined Sewer Overflow Control Facilities.
 - ii. "Combined Sewer Overflow" (CSO) means the excess flow from the combined sewer system which is not conveyed to the Domestic Treatment Works for treatment, but transmitted by pipe or other channel directly to the waters of the State.
 - iii. "Combined Sewer Overflow Control Facilities" means any portion of the combined sewer system beginning from and including the point at which flows are diverted within the collection and conveyance system from proceeding to the treatment facility and ending at the CSO Point where the CSO is directed to the receiving waters. These portions of the combined sewer system include, but are not limited to, the regulator the outfall structure, tide gate, and other appurtenances.
 - iv. "Combined Sewer Overflow Point" (CSO Point) means a discrete point in a combined sewer system which provides for the release of combined sewer overflows (See N.J.A.C. 7:22A-1.4).
 - v. "Combined Sewer System" means a sewer system that is designed to carry sanitary sewage at all times and that also is designed to collect and transport storm water from streets and other sources, thus serving a combined purpose (See N.J.A.C. 7:14-1.2).
 - vi. "Domestic Treatment Works" (DTW) means all publicly owned treatment works as well as any privately owned treatment works processing primarily domestic wastewater and pollutants together with any ground water, surface water, stormwater or process wastewater that may be present (See N.J.A.C. 7:14A:1.2).
 - vii. "Domestic Wastewater" means the liquid waste or liquid borne wastes discharged into a domestic treatment works (See N.J.A.C. 7:14A-1.2).

- viii. "Dry Weather Overflow" (DWO) means a type of combined sewer overflow which is not the direct result of an increase in wastewater flows due to events of precipitation including floods, storm events, and prolonged snow melts. Dry weather overflows are events of noncompliance which may be caused by operator error, improperly designed facilities, illegal discharges or connections to the facilities, the lack of preventive maintenance, careless or improper or due to unforeseen conditions caused by clogged regulators, mechanical and structural failures, excessive infiltration, etc.
- ix. "Facility" means any component or appurtenance of any sanitary or stormwater sewer system (See N.J.A.C. 7:22A-1.4).
- x. "Sanitary Sewer System" means a network of pipes, conduit or other physical facilities used to carry wastewater to a wastewater treatment facility. A sanitary sewer system shall not include a system which carries only stormwater (See N.J.A.C. 7:22A-1.4).
- xi. "Stormwater" means stormwater runoff, snow melt runoff, and surface runoff and drainage (See N.J.A.C. 7:14A-1.9).
- xii. "Stormwater Sewer System" means the designed features within a municipality which collect, convey, channel, hold, inhibit or divert the movement of stormwater (See N.J.A.C. 7:22A-1.4).
- xiii. "Solids/Floatables" means any wastes or debris floating, suspended or otherwise contained in wastewater capable of being discharged to waters of the State (See N.J.A.C. 7:14A-1.2).
- xiv. "Treatment Works" means any device or system whether public or private, used in the storage, treatment, recycling, or reclamation of municipal or industrial waste of a liquid nature including intercepting sewers, outfall sewers, sewage collection systems, cooling towers and ponds, pumping, power and other equipment and their appurtenances; extensions, improvements, remodeling, additions, and alterations thereof; elements essential to provide a reliable recycled supply such as standby treatment units and clear well facilities; and any other works including sites for the treatment process or for the ultimate disposal of residues resulting from such treatment. Additionally, "treatment works" means any other method or system for preventing, abating, reducing, storing, treating, separating, or disposing of pollutants, including storm water runoff, or industrial waste in combined or separate storm water and sanitary sewer systems (See N.J.A.C. 7:14A-1.2).
- xv. "Wastewater" means residential, commercial, industrial, or agricultural liquid waste, septage, stormwater runoff or any combination thereof or other residue discharged or collected into a sanitary or storm water sewer system, or any combination thereof (See N.J.A.C. 7:22A-1.4).

4. Requiring an Individual Permit or Another General Permit

- a. The Department may require any permittee authorized under this permit to apply for and obtain an Individual Discharge to Surface Water (DSW) permit, or seek and obtain authorization under another general permit. Conversely, any permittee authorized under this permit may request to be excluded from authorization under this permit by applying for an individual DSW permit. However, an individual permit may include more stringent requirements based on site specific conditions. Termination of existing permits under such circumstances is governed by N.J.A.C. 7:14A-6.13.
- b. If, after receiving authorization under this permit, a permittee is required by the Department to obtain another NJPDES DSW permit that would also cover the authorized facility, then authorization under this permit shall remain in effect only until either:
 - i. The date such other permit effective; or

- ii. The date the application for such other permit (or request for authorization under another general permit) is denied, or as otherwise specified by the Department.
- c. If such a permittee fails to submit a complete application or request for authorization by the date specified by the Department, then the general permit authorization remains in effect only until that date, unless otherwise specified by the Department.

5. Authorization

- a. In order to obtain authorization under this permit, a complete Request for Authorization (RFA) shall be submitted in accordance with the requirements of Subpart IB of this permit unless the provisions of paragraph 5.C, below, apply. Upon review of the RFA, the Department may, in accordance with N.J.A.C. 7:14A-6.13, do one of the following:
 - i. Issue notification of Authorization under this permit, in which case authorization is deemed effective as of the date the complete RFA is received by the Department;
 - ii. Deny authorization under this permit and require submittal of an application for an individual DSW permit; or
 - iii. Deny authorization under this permit and require submittal of an RFA for another general permit.
- b. For combined sewer overflows authorized by this permit, the permittee is exempt from the provision in N.J.A.C. 7:14A-6.2 which states that the discharge of any pollutant not specifically regulated in the NJPDES permit or listed in the NJPDES application shall constitute a violation of the permit.
- c. Existing authorizations will be renewed automatically when the general permit is issued or reissued. The most recently submitted request for authorization will be considered a timely and complete request for authorization under the reissued permit. The automatic renewal of authorization is applicable only for any permittees who had authorization under the permit immediately prior to the effective date of the reissued permit.
- d. The Department shall issue a notice of renewed authorization to eligible permittees. If a permittee is aware that any information in the most recently submitted request for authorization is no longer true accurate, and /or complete, the permittee shall provide the correct information to the Department within 90-days after the effective date of the permit.

B. REQUEST FOR AUTHORIZATION REQUIREMENTS

1. Deadlines for Requesting Authorization

- a. A Request for Authorization (RFA) for a facility must be submitted prior to EDP.
- b. The Department may, at its discretion, accept an RFA submitted after the foregoing deadline, however, the permittee may still be held liable for any violations that occurred prior to the effective date of the authorization.

2. Persons Requesting Authorization

- a. An RFA may be submitted by any person who currently owns and/or operates part of a combined sewer system. An RFA may be jointly submitted by all persons who currently own and/or operate any part of a combined sewer system.

- 3. Contents of the Request for Authorization: A completed RFA shall include all of the following information regarding the regulated facility using the Department's RFA form (additional sheets may be attached as required):**
- a. The name of the facilities owned and/or operated by the applicant which require the applicant to obtain this General Permit.
 - b. The name, mailing address, location of the facility for which the application is submitted;
 - c. The EPA identification number of the facility (if assigned);
 - d. The four (4) digit Standard Industrial Classification (SIC) Code or North American Industrial Classification System (NAICS) code equivalent and corresponding short title assigned to the facility by the New Jersey Department of Labor. Use 4592- "Sewerage Systems" for any portion of a combined sewer system. If the facility is exempt from Department of Labor SIC code assignment procedures, then use the four (4) digit SIC code and short title that best represents the applicant's facility/activity;
 - e. The legal name, address, and business telephone number of all current owners and operators, and, if applicable, their authorized agents and engineers. The RFA shall also identify whether each person named is an owner and/or operator, and whether the owner is a Federal, State, or public agency, or is a private entity;
 - f. The name of the domestic treatment works to which is conveyed and treated;
 - g. The name of the Water Quality Management Planning Agency (See N.J.A.C. 7:15-1.5), the government unit, or other person has "wastewater management plan responsibility", as defined in N.J.A.C. 7:15-5.3(b);
 - h. A listing of all permits or construction approvals received or applied for by the applicant at the site under any of the following programs:
 - i. Hazardous Waste Management program under RCRA;
 - ii. NJPDES permits or treatment works approvals under the State of New Jersey's Water Pollution Control Act or construct and operate permits;
 - iii. Prevention of Significant Deterioration (PSD) Program under the Clean Air Act;
 - iv. No-attainment program under the Clean Air Act;
 - v. National Emission Standards for Hazardous Pollutants (NESHAPS) pre-construction approval under the Clean Air Act;
 - vi. Ocean dumping permits under the Marine Protection Research and Sanctuaries Act;
 - vii. Dredge or fill permits under Section 404 of the Federal Act; and
 - viii. Other relevant environmental permits, including Federal permits.
 - i. Identification of administrative orders, administrative consent orders, judicial orders, judicial consent orders, notices of violations, complaints filed, or other corrective or enforcement action(s) required by any governmental agencies with regard to the operation of the applicant at that site concerning pollution with the previous five years;
 - j. For each combined sewer overflow point (CSO Point) provide the following:

- i. A schematic diagram showing the configuration of the combined sewer overflow control facilities associated with each CSO Point to the combined sewer system and the combined sewer collection and conveyance system. This diagram should show the relationships of the CSO Point to portion of the combined sewer overflow control facility where the wastewater is diverted from the combined sewer overflow collection and conveyance facilities (i.e., the location of the regulator or other diversion structure), and the CSO Point at which the wastewater is discharged into the receiving water body (i.e., the end of the outfall structure).
- ii. Using Form A: SCHEDULE OF COMBINED SEWER OVERFLOW POINTS, provide the following information:
 - i) The discharge serial number (a three-digit number beginning with 001 for the CSO Point, consecutively assigned to each CSO Point);
 - ii) The CSO Point name;
 - iii) The latitude and longitude of CSO Point (end of pipe), accurate to the nearest second;
 - iv) The name of the receiving waterbody; and
 - v) A description of any treatment received by the CSO prior to discharge;
- k. The Federal tax identification number of the owner;
- l. A copy of the U.S. Geological Survey Topographic Map, 7.5 minute quadrangle series (SCALE 1:24,000), showing the location of the facility (ies) and the name of the quadrangle(s). The applicant shall indicate on the map the facilities and/or activities, that authorization under this general permit is being requested, as follows: the delineation of the service area of the collection systems; the alignment of conveyance systems (interceptors, force mains, trunk sewers, etc.); and/or the location and/or alignment of combined sewer overflow control facilities (regulators) and the corresponding combined sewer overflow points (i.e. ends of outfalls and/or other discharge structures);
- m. A brief narrative description of the facility(ies), collection system, combined sewer overflow point, or combined sewer overflow control facility, as applicable;
- n. The RFA certification contained in Attachment A;
- o. A photocopy of the publication of the public notice required under B.5, below (the name and date of the publication and the section and page the public notice was printed in shall be indicated); and
- p. Any additional information that may be required by the Department to be included as part of the RFA if the Department determines that such additional information (including, but not limited to data, reports, specifications, plans, permits, or other information) is reasonably necessary to determine whether to authorize the discharge under this permit.

4. Where to submit

- a. A completed and signed RFA shall be submitted to the Department at the address specified on the Department's RFA form.

5. Additional Notification

- a. The permittee shall publish a notice in a daily or weekly newspaper within the area affected by the permitted facility stating that a request for authorization under General Permit No. NJ0105023 for Combined Sewer Systems has been submitted in accordance with N.J.A.C. 7:14A-6.13(d). This notice shall also identify the General Permit under which Authorization is sought, the legal name and address of the owner and operator, the facility name and address, and the type of facility and discharges, and the receiving waters. A certification stating that arrangements for such notification have been made is contained in Attachment A and shall be signed and submitted as part of the RFA.

6. Reauthorization

- a. As stated on the cover page, this permit expires in five years from the effective date of the permit. If a CSO authorized by this permit will continue after the expiration of this permit, the permittee is required to submit a RFA within 180 days before the expiration date of this permit.

C. Discharge Limitations

1. (Reserved)

2. Dry Weather Overflows

- a. Applicability: This section is applicable to all permittees of Combined Sewer Overflow Points and Combined Sewer Overflow Control Facilities.
- b. Dry weather overflows are prohibited.
- c. Reporting Requirements
 - i. The permittee shall report all dry weather overflows (DWO) as defined in A.3. of this permit.
 - ii. The permittee shall, within 24 hours after the commencement of the DWO or of the permittee becoming aware of the DWO, verbally communicate the following information to the Department via the DEP Hotline at 1-877-927-6337:
 - (A) A description of the discharge, including the time of the discharge the location of the discharge, the designated name and the three-digit discharge serial number (See I. B.3.J. of this permit, the estimated volumetric flow rate of the discharge, a description of the nature of the discharge as:
 - (1) "a dry weather overflow of wastewater from a combined sewer system" or, as
 - (2) "a dry weather overflow of wastewater from a combined sewer system which is (or "may be") contaminated with (insert the identity of the suspected contaminant/pollutant, or describe the source of the additional and unusual contamination/pollutant, and the name of the receiving waterbody).
 - (B) The duration of the discharge, including the dates and times, and, if the reason for the discharge has not been corrected, the anticipated time when the permittee will return the discharge into compliance;
 - (C) The cause of the discharge;
 - (D) Steps the permittee will take to determine the cause of the discharge;
 - (E) Steps the permittee is taking to reduce and eliminate the non complying discharge; and
 - (F) Steps the permittee is taking to reduce, eliminate, and prevent reoccurrence of the discharge.

- iii. The permittee shall, within five (5) business days, Saturdays, Sundays, and state and federal holidays excepted, after the commencement of a DWO or of the permittee becoming aware of a DWO, submit written documentation, to the person identified in vii below, including properly signed, contemporaneous operating logs, or other relevant evidence, on the circumstances of the discharge event, and including all of the information listed below. The Department must receive the information listed under items i through vi below within the five (5) day period in order for the permittee to meet this requirement. If the permittee becomes aware that it has failed to submit any relevant facts or has submitted incorrect information required in ii, above, the permittee shall immediately submit such facts or information to the Department. The written information to be submitted includes the following:
- (A) All the information required by ii above;
 - (B) All properly signed, contemporaneous operating logs, or other relevant evidence, on the circumstances of the discharge;
 - (C) Reasons that the DWO occurred including the cause of the DWO;
 - (D) Evidence that the permittee was properly operating facility at the time of the discharge;
 - (E) Evidence that the permittee submitted notice of the DWO as required pursuant to iii., above, or in the case of a DWO resulting from the performance by the permittee of maintenance operations, evidence the permittee provided prior notice and received prior written approval therefor from the Department including the name, title, address, and telephone number of the individual who satisfied this requirement, the date and specific time the individual notified the Department, and the name and title of the individual within the Department to which the permittee gave such notice; and
 - (F) Evidence that the permittee complied with all remedial measures the Department required.
- iv. For any DWO or other CSO which causes injury to persons, or damage to the environment or which could constitute a threat to human health or the environment, the permittee shall comply with the following reporting requirements of v, vi, and vii, below.
- v. The permittee shall, within two hours after the commencement of the discharge or of the permittee becoming aware of the discharge, verbally communicate the following information to the Department via the DEP Hotline at 1-877-927-6337:
- (A) A description of the discharge, including the time of the discharge, the location of the discharge (provide the designated discharge point name and three-digit serial number), the estimated volume of the discharge, a description of the nature of the discharge as (1) "a dry weather overflow of wastewater from a combined sewer system which is (or "may be") contaminated with (insert the identity of the suspected contaminant/pollutant, or describe the source of additional and unusual contamination/pollutant), and the name of the receiving waterbody;
 - (B) Steps the permittee will take to determine the cause of the permit noncompliance; and
 - (C) Steps the permittee will take to reduce and eliminate the noncomplying discharge.

- vi. The permittee shall, within 24 hours after the commencement of the discharge or of the permittee becoming aware of the discharge, verbally communicate the following information to the Department via the DEP Hotline 1-877-927-6337:
 - (A) The duration of the discharge, including the exact dates and times, and if the noncompliance has not been corrected, the anticipated time when the permittee will return the discharge to compliance;
 - (B) The cause of the noncompliance;
 - (C) Steps the permittee is taking to reduce, eliminate, and prevent reoccurrence of the non complying discharge;
 - (D) An estimate of the threat to human health or the environment posed by the discharge;
 - (E) The measures the permittee taken or is taking to remediate the problem and any damage or injury to human health or the environment and to avoid a repetition of the problem; and
 - (F) Any revisions to the information required by vi.(A) above.
- vii. The permittee shall, within five (5) business days, Saturdays, Sundays, and state and federal holidays excepted, after the commencement of the discharge or of the permittee becoming aware of the discharge, submit in writing to the person in vii., below all of the information required in vi.(A) and vi.(B), above, if the permittee had not previously submitted the information in writing to the Department. The Department must receive the information required by the proceeding paragraph within the five (5) day period in order for the permittee to meet this requirement. If the Permittee becomes aware that it has failed to submit any relevant facts or submitted incorrect information required in vi.(A) and vi.(B), above, the permittee shall immediately submit such facts or information to the Department.
- viii. The permittee shall submit the written notice required pursuant to iii and iv above to:
Administrator
Water Compliance & Enforcement Element
New Jersey Department of Environmental Protection
P O Box 422
Trenton, New Jersey 08625-0422

3. Intrusion of Surface Waters

- a. Applicability: This section is applicable to all permittees of Combined Sewer Overflow Control Facilities.
- b. The permittee shall prevent the intrusion of the receiving waters into the combined sewer collection and conveyance system past the combined sewer overflow control facilities. Such protection shall be provided against the intrusion of all receiving waters below the flood elevation. For the purposes of this section the flood elevation shall be one-foot above the 100 year fluvial flood elevation or the 100 year tidal elevation, which ever is greater (See N.J.A.C. 7:13).

4. Solids/Floatables

- a. Interim Solids/Floatables Control Measures
 - i. Applicability: This section is applicable to all permittees of Combined Sewer Overflow Points.

- ii. On or before March 1, 1996, the permittee shall submit to Bureau of Financing and Construction Permits, Municipal Finance & Construction Element, within the Division of Water Quality, an Interim Solids/Floatables Control Measures Plan for each CSO Point. The permittee, when developing and evaluating control measures to meet this requirement, shall, at a minimum, evaluate the implementation of each of the Screening and Skimming Control Measures listed in 4.a.v.(i) and (ii), below, for each CSO Point. If the permittee demonstrates, to the satisfaction of the Department, that there are no feasible Interim Solids/Floatables Control Measures that can be economically justified for a specific CSO Point, the permittee shall immediately initiate the development and implementation Long-term Solids/Floatables Control Measure(s) required in 4.b., below, for that CSO Point.
- iii. Within sixty (60) days of the permittee's receipt of the Department's written comments on the plan, the permittee shall submit revised plans that include the modifications required in the Department's comments.
- iv. Within twelve (12) months of the permittee's receipt of the Department's written approval of the permittee's Interim Solids/Floatables Control Measures Plan, the permittee shall implement the approved Interim Solids/Floatables Control Measures, unless paragraph C.4.a.x. applies.
- v. The conceptual plan shall fully document the evaluation of the Interim Solids/Floatables Control Measures in accordance with 4.a.vii., below. Control Measures which, as a minimum, must be evaluated include the following:
 - (A) Screening Technologies - Screening Technologies involve the screening of Solids/Floatables materials from combined sewer overflows. Control measures under this category include, but not limited to, baffles, trash racks, static screens, end of pipe netting, and mechanical screens. Implementation of a screening technology that complies with the same performance criteria specified under item 4.b.ii. below shall be given priority for consideration. If it is determined that the use of the 0.5 inch bar screen is not feasible, the permittee shall evaluate alternative grid or bar screen sizes.
 - (B) Skimming Technologies- Skimming Technologies skim Solids/Floatables materials from the receiving water body surface. Alternatives within this category include, but not limited to, the placement of booms around an outfall or groups of outfalls, skimming open water areas with "skimming boats", and flow balance method (FBI) containment. Skimming control measures must be designed to prevent the transport of Solids/Floatables materials in the receiving water.
- vi. All Solids/Floatables materials removed from the combined sewer overflow which are not conveyed to the DTW must be disposed of properly at a permitted solid waste facility authorized to accept grit and screening materials from wastewater treatment facilities.
- vii. The methodology used in developing, evaluating, selecting, and implementing each Interim Solids/Floatables Control Measure and the reasons why a particular control measure was determined to be inappropriate to utilize for a CSO Point shall be documented. The documentation shall be submitted with the conceptual plan required in C4.a.ii., above, and incorporated into the CSOPPP. The documentation of the evaluation process to be submitted with the conceptual plan, required in 4.a.ii. above, shall include:
 - (A) A list and description of alternatives that were considered;
 - (B) A list and description of the alternatives selected as the final plan for Interim Solids/Floatables Control measures;
 - (C) A summary of the alternatives considered, but rejected, and the basis for rejecting them;
 - (D) The construction/implementation cost estimates, operation, and maintenance costs; and
 - (E) An estimate of the anticipated decrease in Solids/Floatables for each control measure at each CSO Point.

- viii. The approved Interim Solids/Floatables Control Measure(s) shall be implemented, operated, and/or maintained until the Long-term Solids/Floatables Control Measures, required under item 4.b.ii.; below, are in operation, unless otherwise directed by the Department.
 - ix. Unless paragraph C.4.a.x. applies, within twelve (12) months after the permittee's receipt of the Department's approval of the Interim Solids/Floatables Control Measures Plan, the permittee shall submit to the Municipal Finance & Construction Element, within the Division of Water Quality, a properly executed Interim Solids/Floatables Control Measures Implementation Certification, provided in Attachment F, indicating the permittee's compliance status with the Interim Solids/Floatables Control Measures required in C.4.a. The Certification provided in Attachment F shall be properly executed, and submitted with a completed FORM B, "INTERIM SOLIDS/FLOATABLE CONTROL MEASURE IMPLEMENTATION CERTIFICATION SCHEDULE", listing all CSO Points owned and/or operated by the permittee, describing the type of Interim Solids/Floatables Control Measure implemented for each CSO Point, and indicating the date each control measure was placed into service.
 - x. The Department's approval of the permittee's Interim Solids/Floatables Control Measures Plan shall state whether a Treatment Works Approval (TWA) application is necessary. If, pursuant to N.J.A.C. 7:14A-22.1, the implementation of the permittee's Interim Solids/Floatables Control Measures Plan requires a TWA application, then unless otherwise directed by the Department, the permittee shall comply with the following schedule:
 - (A) Within sixty (60) days of the permittee's receipt of the Department's written conceptual approval of the permittee's Interim/ Solids Floatables Control Measures Plan, the permittee shall submit an administratively complete Stage II/III TWA application (see N.J.A.C. 7:14A-22.8 and 7:14A-22.10) to Bureau of Financing and Construction Permits, within the Division of Water Quality.
 - (B) Within twelve (12) months of the permittee's receipt of the Department's Stage II/III TWA, unless otherwise directed by the Department, the permittee shall complete construction and commence operation of the control measures in the approved Interim Solids/Floatables Control Measures Plan.
- b. Long-term Solids/Floatables Control Measures
- i. Applicability: This section is applicable to all permittees of Combined Sewer Overflow Points.
 - ii. In accordance with the schedule provided in 4.b.v., below, the permittee shall implement control measures which will capture and remove Solids/Floatables which cannot pass through a bar screen having a bar spacing of a 0.5 inches (13.0 mm) from all CSOs, unless the permittee can demonstrate, to the satisfaction of the Department, in accordance with 4.b.iii., below, that an alternative control measure is more appropriate for a CSO Point.

- iii. The permittee may petition the Department for use of an alternative control measure by demonstrating, to the satisfaction of the Department, the appropriateness of the permittee's proposed alternative control measure as follows:
 - (A) The permittee shall submit, to the Department, a cost/performance analysis. This cost/performance analysis shall:
 - (1) evaluate the cost of implementing control measures to meet the requirements of C.4.b.ii.;
 - (2) evaluate the cost of implementing the permittee's proposed alternative control measure(s) and the resultant Solids/Floatables reduction; and
 - (3) demonstrate that the cost of implementing control measures to meet the requirements of C.4.b.ii. increases disproportionately and only provides a marginal increase in Solids/Floatables reduction over that of the proposed alternative control measure(s); and
 - (B) The permittee shall also perform and submit a separate analysis which demonstrates that the permittee's alternative control measure is designed to capture and remove objectionable Solids/Floatables, such as medical wastes including tampons applicators, syringes, condoms, vials, etc. from each CSO Point.
- iv. All Solids/Floatables materials removed from the CSO which are not conveyed to the DTW must be disposed of properly at a permitted solid waste facility authorized to accept grit and screening materials from wastewater treatment facilities. The reduction of the size of Solids/Floatables materials in the CSO prior to the discharge to the waters of the State to achieve compliance with this permit is not permitted.
- v. The permittee shall plan, design, construct, operate and/or implement Long-term Solids/Floatables Control Measures in accordance with the following schedule:
 - (A) Submit an approvable Long-term Solids/Floatables Control Measures Plan to the Department, on or before March 1, 1996;
 - (B) The permittee shall within sixty (60) days of the permittee's receipt of the Department's written comments on the permittee's Long-term Solids/Floatables Control Measures Plan modify that submission pursuant the Department's written comments and resubmit it for the Department's approval;
 - (C) Within twelve (12) months of the permittee's receipt of the Department's written conceptual approval of its Long-term Solids/Floatables Control Measures Plan, the permittee, unless otherwise directed by the Department, shall submit an administratively complete Stage II/III TWA application in accordance with N.J.A.C. 7:14A-22.8 and 7:14A-22-10 to the Bureau of Administration and Management, within the Division of Water Quality;
 - (D) With in fifteen (15) months of the permittee's receipt of Department's Stage II/III TWA, the permittee shall complete construction and commence operation of the approved Long-term Solids/Floatables Control Measures, unless otherwise directed by the Department.
- vi. The conceptual plan required in C.4.b.v.(A). shall, as a minimum, contain a site plan, showing all existing and proposed facilities, a project schedule for design, and construction/implementation, and a description and schedule for obtaining all federal, state, regional and/or local agency approvals. The selected plan will describe all institutional arrangements which are necessary to implement the selected plan, as well as, identify the owner and operator of all proposed facilities.
- vii. All studies associated with the planning, design, and construction/implementation including the implementation schedule of the Long-term Solids/Floatables Control Measures, shall be incorporated into the CSOPPP.

- viii. The permittee shall submit the conceptual plans and supporting documentation required pursuant to C.4.a.ii,iii,v & vii and C.4.b.v.(A) & (B) & vi, and, if applicable, any petition for an alternative control measure as allowed under C.4.b.iii, above, to:

Municipal Finance & Construction Element
New Jersey Department of Environmental Protection
P O Box 425
Trenton, New Jersey 08625-0425

- ix. The permittee shall submit applications for Treatment Works Approvals required in C.4.a.x.(A) and C.4.b.v.(C), above, to:

Bureau of Financing and Construction Permits
New Jersey Department of Environmental Protection
P O Box 425
Trenton, New Jersey 08625-0425

5. Proper Operation and Maintenance Programs

- a. Applicability: This section is applicable to all permittees.
- b. On or before March 1, 1996, the permittee shall develop, maintain as current, and implement a proper operation and maintenance program that will meet the requirements of the permit and will maintain in good working order and will operate as effectively as possible all treatment works, facilities, and systems of treatment and control for collection and treatment that are installed or used by the permittee for water pollution control and abatement to achieve compliance with the terms and conditions of the permit (See N.J.A.C. 7:14A-6.12).
- c. The permittee shall develop O&M Plan and Manual(s), that support the implementation of the proper operation and maintenance program, as required in this subpart, in accordance with the schedule contained in item 2, above, and that demonstrates that the permittee has made or shall make the necessary financial, administrative, and institutional arrangements to meet the requirements of the permit. An O&M Plan and Manual(s) shall contain the following elements structured to address the type of facility regulated by the general permit authorization, including, but not limited to: an Annual Budget Analysis; a Financial Management System; Staffing and Training; an Emergency Operations Program, including a System Vulnerability Analysis and Emergency Operations Program; Administrative Functions; and Operation and Maintenance Manual(s).
- d. The Proper Operation and Maintenance Plan and Manual(s) shall be incorporated into the CSOPPP.

6. Maximization of the Conveyance of Wastewater to the DTW for Treatment

- a. Applicability: This section is applicable to all permittees.
- b. The permittee shall operate and maintain the facilities to maximize the conveyance of wastewater to the DTW for treatment and to minimize the frequency and duration of CSOs to the receiving waters.
- c. On or before March 1, 1996, the permittee shall develop a Facility Inventory and Assessment Analysis (FIAA) and incorporate the FIAA into the CSOPPP. The FIAA must contain an inventory and engineering assessment of all facilities owned and/or operated by the permittee and authorized under the permit. The FIAA must, at a minimum, contain the following:

- i. A sewer service area map delineating existing facilities. This map shall:
 - (A) Delineate the service area of each catchment area of the collection and conveyance system;
 - (B) Show the collection and conveyance system detailing the size, types, and shapes of all pipes and appurtenances;
 - (C) Indicate the identity and location of each existing pumping station;
 - (D) Show the location, size, type, and shape of all interceptor sewers and trunk sewers;
 - (E) Show the location and identity of each regulator and CSO Point;
 - (F) Show all point source discharges to receiving waters associated with the combined sewer system; and
 - (G) Delineate all areas served by separate stormwater sewer systems or separate sanitary sewer systems, and the location of where, if at all, these systems connect into and contribute wastewater to the combined sewer system.
 - ii. An inventory and engineering assessment of the operational status and mechanical and structural integrity of the major components of the combined sewer system. This assessment shall be both a narrative and graphical descriptions addressing size, shape, hydraulic capacity, including, but not limited to, the combined sewer overflow control facilities, pumping stations, interceptors, and force mains, etc. The hydraulic performance capability of each component shall be determined.
- d. The permittee shall incorporate the FIAA into the CSOPPP and shall maintain the FIAA as current and applicable for the life of the permit.

D. MONITORING AND REPORTING REQUIREMENTS

1. Monitoring Requirements

- a. Annual Inspections
 - i. Applicability: This section is applicable to all permittees of Combined Sewer Overflow Control Facilities.
 - ii. The permittee shall conduct an annual inspection of all combined sewer overflow control facilities owned and/or operated by the permittee. The permittee shall inspect and prepare an engineering assessment of the mechanical and structural integrity and operability of each portion of the combined sewer overflow control facilities including the identification of any recommended rehabilitation measures or correction actions necessary to bring the facilities into compliance with the provisions of C.6. "Maximization of Conveyance of Wastewater to DTW for Treatment". The permittee shall document the evaluation process, the findings of the inspections, the conclusions, and recommendations of the engineering assessment and incorporate this documentation into the CSOPPP.

2. Reporting Requirements

- a. Annual Certifications and Reports of Noncompliance
 - i. Applicability: This section is applicable to all permittees.

- ii. The permittee shall submit an Annual Permit Compliance Certification (See Attachment C to this permit for the form of these certifications) that the facility is in compliance with the terms of this permit and the Combined Sewer Overflow Pollution Prevention Plan (CSOPPP), as specified in E.1., except that if there are any incidents of noncompliance, those incidents shall be identified in a separate report of noncompliance transmitted with the annual certifications. The annual certifications, and, if applicable, the reports of noncompliance, shall be submitted in accordance with the procedure specified in v., below.
 - iii. If there are any incidents of noncompliance with this permit and/or the CSOPPP, the permittee shall, in a separate report of noncompliance, identify the incident(s) of noncompliance and the steps being taken to remedy the noncompliance and prevent such incidents from recurring (See N.J.A.C. 7:14A-6.10).
 - iv. The certifications and reports of noncompliance, if applicable, shall be signed by the permittee and submitted to the Department with the executed ANNUAL PERMIT COMPLIANCE CERTIFICATION (Attachment C), in accordance with e, below. A copy of the annual certification and report of noncompliance shall be incorporated into the CSOPPP and maintained for a period of five (5) years after the submission. This period may be extended by the Department (See N.J.A.C. 7:14A-6.6).
 - v. Submit the Annual Permit Compliance Certification (Attachment C): annually, beginning 12 months from the effective date of permit authorization (EDPA). The certification shall contain new signatures each year and be accompanied by the annual report of noncompliance, if applicable. These certifications shall be submitted to the Department annually, at the address specified on the certification form provided by the Department, and shall be submitted with the appropriate fee required under N.J.A.C. 7:14A-3.
- b. Incidents of Noncompliance
- i. Applicability: This section is applicable to all permittees.
 - ii. Any noncompliance with this permit constitutes a violation of the New Jersey Water Pollution Control Act or other authority of N.J.A.C. 7:14A et seq., and is ground for enforcement action, for permit termination, revocation, and re-issuance or modification, or for denial of a permit renewal application (see N.J.A.C. 7:14A-16.).
 - iii. All instances of noncompliance, whether or not they have been previously reported, shall be reported to the Department in the annual report on noncompliance referenced in D.2.a.iii., above.
 - iv. Instances of noncompliance include, but are not limited to, the failure to comply with any deadline specified in the permit, the discharge of dry weather overflows, the failure to develop and implement proper operation and maintenance programs, the failure to develop and/or comply with a compliance schedule contained within the CSOPPP, the failure to perform the annual inspection, and the presence of other discharges.
- c. Extended Combined Sewer Overflows
- i. Applicability: This section is applicable to permittees of Combined Sewer Overflow Control Facilities and Combined Sewer Overflow Points.
 - ii. The permittee shall report all Combined Sewer Overflows which continue to discharge when no precipitation has occurred for at least 24 hours prior to the observation of the discharge event.

- iii. The permittee shall report each Extended Combined Sewer Overflow using the reporting procedure for Dry Weather Overflows provided in C. Discharge Limitations, Subpart C2. Dry Weather Overflows which, in the permittee's judgement, is appropriate for the nature of the discharge event.

3. Other Discharges

- a. Applicability: This section is applicable to all permittees.
- b. If, after the effective date of the General Permit Authorization, it is discovered that the permittee owns and/or operates CSO Points not included in the initial Request for Authorization, the permittee shall within thirty (30) days submit an RFA for those discharges in accordance with B. of this permit.
- c. If, the permittee discovers that it owns and or operates discharges other than a CSO or separate stormwater, the permittee shall immediately discontinue the operation of such discharges and/or immediately apply for the appropriate New Jersey Pollutant Discharge Elimination System Discharge to Surface Water Permit in accordance with the NJPDES (See N.J.A.C. 7:14a-1 et seq.). The Department hereby reserves the right to take any enforcement action for unauthorized or unpermitted discharges.

E. SPECIAL CONDITIONS

1. Preparation and Implementation of the Combined Sewer Overflow Pollution Prevention Plan

- a. Applicability: This section is applicable to all permittees
- b. General Requirements
 - i. The permittee shall develop, implement, and maintain a Combined Sewer Overflow Pollution Prevention Plan (CSOPPP) which meets the minimum content requirements of a CSOPPP, as specified in d. below. The CSOPPP shall be developed and implemented in accordance with the schedule specified in c. below.
- c. Deadlines and Certifications
 - i. On or before March 1, 1996, the permittee shall establish and implement a CSOPPP for the portions of the combined sewer system owned and/or operated by the permittee and subject to the requirements of this permit, and shall submit to the Department a properly executed "Combined Sewer Overflow Pollution Prevention Plan Preparation Certification" (See Attachment B).
- d. The CSOPPP shall, as minimum, contain the following:
 - i. Documentation of the procedures used to develop, evaluate and implement Interim Solids/Floatables Control Measures required in C.4.a., including the documentation required in C.4.a.vii.;
 - ii. Documentation of the procedures used to develop and implement the Long-Term Solids/Floatables Control Measures required in C.4.b., including the selected plan and corresponding implementation schedule;
 - iii. Documentation of the evaluation process, the findings of the inspections, the conclusions, and recommendations of the Annual Inspection and associated engineering assessments required in D.1.a.;

- iv. A record of all incidents of noncompliance and copies of all reports associated with each incident of noncompliance required under D.2.;
 - v. The Facilities Inventory and Assessment required in C.6.c.;
 - vi. The Proper Operation and Maintenance Plan and Manual(s) required in C.5.c.;
 - vii. A copy of all state and federal permits issued for the construction and operation of existing and proposed combined sewer system facilities, copies of each administrative order, administrative consent order, notice of violation, complaint filed, or other corrective or enforcement action(s) required by any governmental agencies with regard to the operation of the facilities by the applicant within the previous five (5) years;
 - viii. A copy of the completed reports/studies of the Combined Sewer Overflow Discharge Characterization Study required in E.2.; and
 - ix. Copies of all correspondence between the Department and the permittee concerning permit including the RFA.
- e. Additional Requirements
- i. Agency Review
 - (A) The permittee shall make the CSOPPP available upon request to an authorized representative of the Department.
 - (B) Upon review by an authorized representative, the Department may notify the permittee at any time that the CSOPPP does not meet one or more of the minimum requirements of this Subpart. Within the time period specified by the Department, the permittee shall amend the CSOPPP to adequately address all deficiencies and shall submit to the Department a written certification that such amendments have been incorporated.
 - ii. Amendments to the CSOPPP

CSOPPP's may be amended so long as they continue to meet the requirements of D.1. of this permit. Any amended CSOPPPs shall be signed, certified, implemented, retained, and otherwise treated in the same manner as the original CSOPPP.
 - iii. Public Review

All CSOPPPs prepared under this permit are considered reports that shall be available to the public for inspection and duplication under N.J.S.A. 58:10A-9.c. The permittee shall make the CSOPPPs available to interested parties upon request.

2. Preparation and Submission of the Combined Sewer Overflow Discharge Characterization Study

- a. Applicability: This section is applicable to all permittees of Combined Sewer Overflow Points.
- b. General Requirements: Permittees are required to develop and submit a Combined Sewer Overflow Discharge Characterization Study (The Study) consisting of a field calibrated and verified Combined Sewer Overflow Model designed to represent the combined sewer system's response to historical events of precipitation. The model shall be developed to demonstrate the relationship between rainfall, surface runoff (stormwater), sanitary sewage, the combined sewer system's characteristics, and combined sewer overflows with respect to quantity and quality. To comply with this requirement the permittee shall use the U.S. EPA approved Storm Water Management Model (SWMM). The permittee may petition the Department for the use of an equivalent model. The Department shall have the final determination of the acceptability of the proposed substitute model.

- c. Although The Study is considered one comprehensive analysis, the preparation and submission of The Study has been divided into six (6) specific individual components. The permittee shall prepare and submit each of the components of The Study in accordance with the schedule set forth in Table I. The permittee shall obtain approval from the Municipal Finance & Construction Element prior to proceeding with the development of each subsequent component of the study. The permittee shall submit each of the specified components to:
New Jersey Department of Environmental Protection
Municipal Finance & Construction Element
Bureau of Financing and Construction Permits
P.O. Box 425
Trenton, New Jersey 08625-0425
Each submission shall be transmitted to the Department by the permittee with a signed certification as provided in Attachment D, TRANSMITTED DOCUMENT CERTIFICATION.
- d. The permittee shall develop and submit The Study consisting of the individual components as described below:
- i. **Monitoring Program Proposal and Work Plan**
The Monitoring Proposal and Work Plan shall conform with the requirements of "GUIDANCE FOR PREPARATION OF COMBINED WORK/QUALITY ASSURANCE PROJECT PLANS FOR ENVIRONMENTAL MONITORING", dated May, 1984, (OWRS QA-1) prepared by the Office of Water Regulations and Standards, U.S. Environmental Protection Agency, Washington, D.C. 20460. At a minimum the report shall address all of the components, a through i through vi, of The Study.
 - ii. **Service Area Drainage and Land Use Report**
The permittee shall provide information used to construct the model and will contain, as a minimum, the information set forth in Table II. All methods of estimation used to produce the data will be presented in graphical, tabularized, and narrative formats as appropriate.
 - iii. **Rainfall Monitoring Study.**
The permittee shall perform a Rainfall Monitoring Study that shall include a historic precipitation analysis which, at a minimum, includes the evaluation of climatological records, and the determination of historic and measured rainfall event statistics. The permittee shall establish a rain gage network appropriate for the size of the study area and the model (SWMM) and continuously measure and record rainfall throughout the monitoring period. Precipitation data shall be correlated to other monitoring data in real-time.
 - iv. **Sewer System Inventory and Assessment Report**
The permittee shall develop and submit a report that provides both narrative and graphical descriptions of the sewer systems which contribute flow to the permittee's CSO Point. The report shall provide a comprehensive inventory of all elements of the combined sewer system including, but not limited to, all sewer lines, regulators, tide gates, diversion chambers, pumping stations interceptors, trunk sewers, and outfall structures. The report shall include operational status, condition, and hydraulic capacity of all facilities. Detailed drawings of all regulators, tide gates, and flow diversion structures in both plan and profile view are to provided at a minimum. All information shall be qualified by field verifications.

- v. **Combined Sewer Overflow Monitoring Study**
The permittee shall perform monitoring work which will consist of collecting and analyzing representative samples of the actual CSOs during selected wet weather events in conformance with the schedule and requirements contained within the General Permit and the Department approved Monitoring Proposal and Work Plan. The monitoring requirements are provided in Table III. The permittee shall monitor a sufficient number of significant storm events to adequately calibrate and verify the model, at least two (2) significant wet weather events shall be evaluated. The frequency of sampling during the events shall not exceed one sample every fifteen (15) minutes, unless an alternative sampling protocol is approved by the Department.
 - vi. **Combined Sewer System Modeling Study**
The permittee shall develop a SWMM model, or other model approved by the Department of the permittee's combined sewer system and CSO Points in conformance with the schedule and requirements contained in this permit and the Department approved Monitoring Proposal and Work Plan.
- e. The submission of all of The Study's components shall be accompanied by a properly executed certification provided in Attachment D.

3. Other Permits or Regulatory Requirements

- a. Compliance with the conditions of this permit does not exempt from any other applicable permit or other regulatory requirements including, but not limited to, all other state, federal, local government, or Interstate Agency rules.

4. Penalties for Violations

- a. Section 10 of the New Jersey Water Pollution Control Act provides that any person who violates a permit condition is subject to a civil penalty each day of violation. Any person who willfully or negligently violates permit conditions is subject to a fine each day of violation, or to imprisonment, or both.
- b. Section 10 of the New Jersey Water Pollution Control Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine per violation, or by imprisonment, or both.
- c. Section 10 of the New Jersey Water Pollution Control Act provides that any person who knowingly makes a false statement, representation, or certification in any application, record, or other document filed or required to be maintained under the New Jersey Water Pollution Control Act shall, upon conviction, be subject to a fine, or imprisonment, or both.
- d. Violation of any condition of this permit or the NJPDES regulations may be subject the permittee to an Assessment of Civil Administrative Penalties of up to \$50,000.00 per violation per day in accordance with N.J.S.A. 58:10A-1 et seq.

F. ATTACHMENT A: RFA CERTIFICATION

1. RFA Certification

- a. Every Request for Authorization (RFA) shall include the following RFA certification

- i. " I certify under penalty of law that I have personally examined and am familiar with the information submitted in this RFA and all attached documents, and that this RFA and all attached documents were prepared by personnel under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my personal knowledge and/or my inquiry of those individuals immediately responsible for obtaining information, I believe that the information is true, accurate and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information, including the possibility of fine and/or imprisonment."
 - ii. " I also certify that I have made arrangements for publication, in a daily or weekly newspaper within the area affected by the facility identified in this RFA, of a notice which states that a request for authorization under General Permit No. NJ0105023 for Combined Sewer Systems has been submitted pursuant to N.J.A.C. 7:14A-6.13. This notice identifies the general permit number, the legal name, and address of the owner and/or operator, the facility name and address, and type of facilities, and the receiving surface water(s)."
 - iii. Name of Newspaper and Date of publication.
 - iv. " I am aware that, pursuant to the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., there are significant civil and criminal penalties for making a false statement, representation or certification in any application, record, or other document filed or required to be maintained under the Act, including fines and/or imprisonment."
- b. The RFA certification (owner and/or Operator) shall be signed as follows:
- i. For a corporation, by a responsible corporate officer as described in N.J.A.C. 7:14A-4.9(a)1;
 - ii. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
 - iii. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official or;

G. ATTACHMENT B: COMBINED SEWER OVERFLOW POLLUTION PREVENTION PLAN CERTIFICATION

1. Combined Sewer Overflow Pollution Prevention Plan (owner and/or operator) Certification

- a. "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this "Combined Sewer Overflow Pollution Prevention Plan (CSOPPP) Certification, and any attached documents and in the CSOPPP, referred to in this certification, and that the CSOPPP Certification, and any attached documents, were prepared by personnel under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my personal knowledge and/or my inquiry of those individuals immediately responsible for obtaining the information, I believe that this CSOPPP certification is true, accurate, and complete and that the CSOPPP has been established in accordance with the requirements of General Permit No. NJ0105023."
- b. " I certify that the CSOPPP referred to in this CSOPPP Certification has been established and is being retained at the address sited in this certification, in accordance with Section E, Subpart 1. of General Permit No. NJ0105023, and that this CSOPPP will be fully implemented in accordance with the terms and conditions of that permit."

- c. " I am aware that, pursuant to the Water Pollution Control Act N.J.S.A. 58:10A-1 et seq., there are significant civil and criminal penalties for making a false statement, representation or certification in any application, record, or other document filed or required to be maintained under the Act, including fines and/or imprisonment."
- d. This certification (owner and/or operator) shall be signed as follows:
 - i. For a corporation, by a responsible corporate officer as described in N.J.A.C. 7:14A-4.9(a)1;
 - ii. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
 - iii. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official or;
- e. The CSOPPP is retained at the following address and is available for inspection.
 - i. Name of Location:
 - ii. Number and Street:
 - iii. City or Town:
 - iv. State & Zip Code:

H. ATTACHMENT C: ANNUAL PERMIT COMPLIANCE CERTIFICATION

1. Annual Permit Compliance Certification

- a. " I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Annual Permit Compliance Certification and all attached documents, including any report of non-compliance. Additionally, I certify that this Annual Permit Compliance Certification, and all attached documents, were prepared by personnel under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my personal knowledge and/or my inquiry of those individuals immediately responsible for obtaining information, I believe that this Annual Permit Compliance Certification, and all attached documents, are true, accurate and complete.
- b. " I certify under penalty of law that the facilities regulated under NJPDES Permit No. NJ0105023, and authorized under the below listed Authorization Number, have been inspected in accordance with the terms and conditions of the General Permit No. NJ0105023 and that an evaluation of the records of activities, since the previous annual permit compliance evaluation, if any, for these facilities has been performed. I certify that (check appropriate response) the facilities:
 - i. [] are in compliance with the terms, conditions, and compliance schedules contained in the permit and that the annual inspection report (see Section D of General Permit No. NJ0105023) is and will be maintained as part of the CSOPPP, as required by Section D of General Permit No. NJ0105023.
 - ii. [] were not in compliance with all of the terms, conditions and compliance schedules contained in General Permit No. NJ0105023 and that a report of non-compliance (see Section D of the General Permit No. NJ0105023) has been submitted to the NJDEP with this Annual Permit Compliance Certification.

- c. " I am aware that, pursuant to the Water Pollution Control Act N.J.S.A. 58:10A-1 et seq., there are significant civil and criminal penalties for making a false statement, representation or certification in any application, record, or other document filed or required to be maintained under the Act, including fines and/or imprisonment."
- d. This certification (owner and/or operator) shall be signed as follows:
 - i. For a corporation, by a responsible corporate officer as described in N.J.A.C. 7:14A-4.9(a)1;
 - ii. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
 - iii. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official or;

I. ATTACHMENT D: TRANSMITTED DOCUMENT CERTIFICATION

1. Transmitted Document Certification

- a. " I certify under penalty of law that I have personally examined and am familiar with the information within transmittal and all attached documents, which are individually listed (or described) on this Transmitted Certification, and that this transmittal and all attached documents were prepared by personnel 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 personal knowledge and/or my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate, or incomplete information including the possibility of fine and/or imprisonment."
- b. This certification (owner and/or operator) shall be signed as follows:
 - i. For a corporation, by a responsible corporate officer as described in N.J.A.C. 7:14A-4.9(a)1;
 - ii. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
 - iii. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official or;

J. ATTACHMENT E: AUTHORIZED REPRESENTATIVE CERTIFICATION (OPTIONAL)

1. Authorized Representative Certification

- a. I, the owner and or/ I, the operator authorize the below named person to act as our agent/representative in all matters that pertain to our Request for Authorization, and/or for administrative actions relative to complying with the requirements as they apply to our facilities authorized under the NJPDES General Permit No. NJ0105123.
- b. The name and address of the Agent/ Authorized Representative is:
 - i. NAME:
 - ii. ADDRESS:
 - iii. CITY /TOWN:

- iv. STATE & ZIP CODE:
- v. BUSINESS TELE:
- c. This certification (owner and/or operator) shall be signed as follows:
 - i. For a corporation, by a responsible corporate officer as described in N.J.A.C. 7:14A-4.9(a)1;
 - ii. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
 - iii. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official or;
- d. I, the undersigned, agree to serve as agent/authorized representative for the above listed owner and/or operator.
- e. Signature of Agent/ Authorized Representative:

K. ATTACHMENT F: INTERIM SOLIDS/FLOATABLES CONTROL MEASURES IMPLEMENTATION CERTIFICATION

1. Interim Solids/Floatables Control Measures Implementation Certification

- a. " I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Interim Solids/Floatables Control Measures Implementation Certification, the Interim Solids/Floatables Control Measures implementation Schedule, and any attached documents, and that the Interim Solids/Floatables Control Measures Implementation Certification and any attached documents, were prepared by personnel under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my personal knowledge and/or my inquiry of those individuals immediately responsible for obtaining the information, I believe that that this Interim Solids/Floatables Control Measures Implementation Certification and Interim Solids/Floatables Control Measures Implementation Schedule are true, accurate, and completed and that the Interim Solids/Floatables Control Measures have been developed and implemented in accordance with Interim Solids/Floatables Control Plan, approved by the NJDEP, and with the requirements of General Permit No. NJ0105023."
- b. " I am aware that, pursuant to the Water Pollution Control Act, N.J.S.A. 58-10A-1 et seq., there are significant civil and criminal penalties for making a false statement, representation or certification in any application, record, or other document filed or required to be maintained under the Act, including fines and/or imprisonment."
- c. This certification (owner and/or operator) shall be signed as follows:
 - i. For a corporation, by a responsible corporate officer as described in N.J.A.C. 7:14A-4.9(a)1;
 - ii. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
 - iii. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official or;

L. Table I-COMBINED SEWER OVERFLOW DISCHARGE CHARACTERIZATION STUDY- SCHEDULE OF ACTIVITIES

1. The deadline for submission of Monitoring Program Proposal and Work Plan: March 1, 1996

2. **The deadline for submission of Service Area Drainage and Land Use Report: March 1, 1996**
3. **The deadline for submission of Sewer System Inventory and Assessment Report : March 1, 1996**
4. **The deadline for submission of Rainfall Monitoring Study : Within 12 months of the permittee's receipt of the Department's written authorization to proceed.**
5. **The deadline for submission of Combined Sewer Overflow Monitoring Study : Within 12 months of the permittee's receipt of the Department's written authorization to proceed.**
6. **The deadline for submission of Combined Sewer System Modeling Study: Within 12 months of the permittee's receipt of the Department's written authorization to proceed.**

M. TABLE II: COMBINED SEWER OVERFLOW DISCHARGE CHARACTERIZATION STUDY INFORMATION TO BE INCLUDED IN THE SERVICE AREA DRAINAGE AND LAND USE REPORT

1. **Items of concern regarding the Drainage Area Data for Subcatchment: Area, ground slope, overland flow width, subcatchment length, percent impervious cover.**
2. **Items of concern regarding the Drainage Area Data for Channel/pipe: Length, slope, shape, pipe configuration which shows connection & flow direction. Connections of significant non-residential users, separately sanitary sewered service area and separate storm water sewer system connections tributary to the combined sewer should be specifically noted.**
3. **Items of concern regarding the Map Scale: 1:2400**
4. **Items of concern regarding the Drainage Area Data for Service Area Map: Land use distribution (commercial/industrial, residential, park land, etc., areas served by separate sanitary and storm sewers, or those which contribute storm water, etc.)**
5. **Items of concern regarding the Drainage Area Data for Pollutant Build-up: Load factor for each land use and pollutant.**
6. **Items of concern regarding the Sewer Line Data for General: Service area population data.**
7. **Items of concern regarding the Sewer Line Data for Sewer Pipe: Size, slope, shape, and pipe configuration which shows connections including service area delineation. Location of metering stations, if applicable.**
8. **Items of concern regarding the Sewer Line Data for Dry Weather Flow: Average dry weather flow, and average concentration of each pollutant.**
9. **Items of concern regarding the Sewer Line Data for DTW: Capacity, location, average removal rate of each pollutant.**
10. **Items of concern regarding the Pumping Station for CSO Point: Location, type, and size or control, and relationship to sewer system (interceptor, outfall structure etc.)**

N. TABLE III: COMBINED SEWER OVERFLOW DISCHARGE CHARACTERIZATION STUDY COMBINED SEWER OVERFLOW MONITORING STUDY MINIMUM MONITORING REQUIREMENTS

1. **Chemical Oxygen Demand: Grab Sample**

2. **Five Day Biochemical Oxygen Demand: Grab Sample**
3. **Fecal Coliform: Grab Sample**
4. **Suspended Solids: Grab Sample**
5. **Settleable Solids: Grab Sample**
6. **Total Dissolved Solids: Grab Sample**
7. **Nitrogen Series (ammonia, nitrites, nitrates, Total Kjeldahl Nitrogen): Grab Sample**
8. **Phosphorous Series (Orthophosphate & Total Phosphorous) : Grab Sample**
9. **Temperature: Grab Sample**
10. **Volumetric Flow Rate: Continuous Recording**
11. **pH: Grab Sample**
12. **Hardness: Grab Sample**
13. **Salinity: Grab Sample**
14. **Toxic-Metals(To be Specified by the Department): Composite**
15. **Enterococci: Grab Sample**

O. Long-term Control Plan Development

1. **Applicability: This section is applicable to all permittees of Combined Sewer Systems.**
2. **In accordance with the schedule contained in Subpart O.4 the permittee shall develop and submit to the Municipal Finance and Construction Element (MF&CE) a Combined Sewer Overflow (CSO) Long-term Control Plan that includes the elements contained in Section 0.3., below.**
3. **Contents of a Long -Term Control Plan Development**
 - a. **Public Participation Program - The permittee shall implement a Public Participation Program that will ensure the opportunity for participation by the public throughout the Long-term Control Plan development process. Public participation includes providing access to the decision-making process, seeking input from and conducting dialogue with the public, assimilating public viewpoints and preferences, and demonstrating that those viewpoints and preferences have been considered by the decision-making officials. Permittees shall develop and submit a Public Participation Program Work Plan to the Department for review prior to initiation of activities. Activities associated with developing and implementing a public participation work plan are presented in APPENDIX A.**
 - b. **Cost and Performance Analysis for Combined Sewer Overflow Points Operation.**
 - i. **Applicability: This section is applicable to all permittees of Combined Sewer Overflow Points.**

- ii. At a minimum, the Permittee shall, for each CSO Point, develop and evaluate control alternatives that will provide continuous year around disinfection prior to discharge into surface waters for each pathogen control performance objective specified in iii, below, as applicable to each CSO Point depending upon the surface water classification to which the CSO Point discharges.
 - iii. The pathogen control performance objectives applicable to each CSO Point are as follows:
 - (A) For all CSO Points that discharge into Classification FW2 waters the permittee shall develop and evaluate pathogen control measures that can meet the pathogen control performance objectives (A), (E), (F), & (G) of (iv), below.
 - (B) For all CSO Points that discharge into Classification SE1 waters the permittee shall develop and evaluate pathogen control measures that can meet the pathogen control performance objectives (B), (E), (F), & (G) of (iv), below.
 - (C) For all CSO Points that discharge into Classification SE2 waters the permittee shall develop and evaluate pathogen control measures that can meet the pathogen control performance objectives (B), (C), (E), (F), & (G) of (iv), below.
 - (D) For all CSO Points that discharge into classification SE3 waters the permittee shall develop and evaluate pathogen control measure that can meet the pathogen control performance objectives (B), (D), (E), (F), & (G) of iv, below.
 - iv. The pathogen control performance objectives are as specified below:
 - (A) Fecal coliform levels shall not exceed a geometric average of 200/100 ml nor should more than 10 percent of the total samples taken during any 30-day period exceed 400/100 ml., and , Enterococci levels shall not exceed a geometric mean of 33/100 ml, nor shall any single sample exceed 61/100 ml.
 - (B) Fecal coliform levels shall not exceed a geometric average of 200/100 ml nor should more than 10 percent of the total samples taken during any 30-day period exceed 400/100 ml., and, Enterococci levels shall not exceed a geometric mean of 35/100 ml, nor shall any single sample exceed 104/100 ml.
 - (C) Fecal coliform levels shall not exceed a geometric average of 770/100 ml.
 - (D) Fecal coliform levels shall not exceed a geometric average of 1500/100 ml.
 - (E) 50-percent reduction of fecal coliform loadings from current conditions,
 - (F) 85-percent reduction of fecal coliform loadings from the current conditions, and
 - (G) 95-percent reduction of fecal coliform loadings from the current conditions.
 - v. At a minimum, the permittee shall evaluate the implementation of each of the disinfection processes with each of the disinfection technologies listed in APPENDIX B.
- c. Cost and Performance Analysis for Combined Sewer Collection and Conveyance Systems operation.
- i. Applicability: This section is applicable to all permittees of Combined Sewer Collection and Conveyance Systems.

- ii. The permittee shall develop and evaluate controls that will result in the reduction of the frequency of CSO discharge events based on an average hydrologic year for each of frequencies of occurrence listed below. For the purposes of developing cost and performance relationships permittees are directed to use the 1988 rainfall at JFK Airport as the average hydrologic year. (The precipitation data set is available at the Division of Water Quality's website for permitting and technical at <http://www.state.nj.us/dep/dwq/gps.htm>.) The permittee shall develop alternatives that achieve each of the targeted frequencies of discharge events per year without increasing the peak volumetric flow rate of wastewater conveyed to the DTW for treatment. For the purposes of this section, the range of frequencies of occurrence of CSO discharge shall, at a minimum, include the following:
 - (A) zero overflow events per year,
 - (B) an average of three overflow events per year,
 - (C) an average of seven overflow events per year.
 - (D) an average of twelve overflow events per year, and
 - (E) an average of twenty overflow events per year.
 - iii. To comply with c.ii, above, Permittees shall, at a minimum, evaluate each of the controls technologies listed in APPENDIX C.
- d. Cost and Performance Analysis for Combined Sewer Collection and Conveyance Systems and Combined Sewer Overflow Control Facilities operation.
- i. Applicability: This section is applicable to all permittees of Combined Sewer Collection and Conveyance Systems and Combined Sewer Overflow Control Facilities.
 - ii. The permittee shall develop and evaluate a range of CSO control alternatives that would achieve incremental reductions of CSO flows and incremental increases in the conveyance of wastewater through the CSO Collection and Conveyance System to the Domestic Treatment Works.
 - iii. The permittee shall develop and evaluate Control Measures that shall result in an increase in the conveyance of wastewater from CSO Control Facilities to the DTW for treatment. The permittee shall develop and evaluate control measures that will achieve the performance objective for each of the increments listed below based upon current average dry weather flow tributary to each CSO Point.
 - (A) Two times the average dry weather peak volumetric flow rate of the CSS area,
 - (B) Four times the average dry weather peak volumetric flow rate of the CSS area,
 - (C) Six times the average dry weather peak volumetric flow rate of the CSS area, and
 - (D) Eight times the average dry weather peak volumetric flow rate of the CSS area.
 - iv. To comply with 3.d.ii & iii, above, Permittees shall, at a minimum, develop and evaluate control measures for each of the control technologies listed in APPENDIX D.
- e. Cost and Performance Analysis Report
- i. Applicability: This section is applicable to all Permittees.
 - ii. The permittee shall develop and submit a Cost and Performance Analysis Report that demonstrates the relationships among the set of CSO control alternatives in terms of a specified performance objective and the projected construction/implementation costs for each the Permittee's CSO Points and/or conveyance facilities, as applicable.
 - iii. The Cost and Performance Analysis Report shall include, as a minimum, all of the information and items identified in APPENDIX E.

4. Schedules and Interim Deliverables

- a. On or before [Effective Date of Permit(08/01/2004) + 120-Days], the Permittee shall develop and submit to the MF&CE, a Public Participation Work Plan that defines how the permittee will comply with the requirements of O.3.a. An acceptable Public Participation Program Work Plan shall include, as a minimum, all of the information and items identified in APPENDIX A, as appropriate.
- b. The permittee shall within sixty (60) days of the Permittee's receipt of the Department's written comments on the Permittee's Public Participation Work Plan modify that submission addressing the Department's written comments and resubmit it to the Department.
- c. On or before [Effective Date of Permit(08/01/2004) + 180 Days], unless otherwise directed by the Department, the Permittee shall begin the implementation of the Public Participation Plan.
- d. On or before [Effective Date of Permit(08/01/2004) + 12 Months], the Permittee shall submit to the Municipal Finance & Construction Element an Interim Status Report that briefly summarizes how the permittee has complied with the requirements of Subpart O.3.a, b, c, & d. Long Term Control Plan Development.
- e. On or before 04/01/2007, the Permittee shall submit to the MF&CE a Cost and Performance Analysis Report. The Cost and Performance Analysis Report shall include, at a minimum, all of the information and items specified in O.3.e, above.
- f. On or before 04/01/2007, the Permittee shall submit a Public Participation Report. The Public Participation Report shall:
 - i. Summarize the public participation activities conducted;
 - ii. Describe the matters on which the public was consulted;
 - iii. Summarize the public views, significant comments, concerns and suggestions; and
 - iv. Summarize the Permittee's specific responses in terms of the proposed action or an explanation for rejection of proposals made by the public.
- g. This permit may be modified or revoked and reissued, as provided pursuant to NJAC 14A-6.13(c), for any valid reason.

NJPDES MASTER GENERAL PERMIT PROGRAM INTEREST, Trenton

Permit No. NJ0105023
DSW090001 Surface Water Master General Permit Renewal