

**CAPACITY ANALYSIS REPORT CHECKLIST
(N.J.A.C.7:14A-22.16(c))**

- 1) An assessment of the treatment works, including:
 - i) Dry weather treatment capacity at the plant;
 - ii) Wet weather treatment capacity at the plant;
 - iii) Sources and extent of inflow and infiltration;
 - iv) Amount of flow for connections for which TWAs have been issued but are not yet in operation, and projected flows to accommodate growth within the service area over the next 20 year period;
 - v) Current operation and maintenance practices that maximize conveyance and treatment;
 - vi) Planned improvements to the treatment works;
 - vii) Pending applications for NJPDES permits and treatment works approvals related to the capacity of the treatment works; and
 - viii) Compliance status, including NJPDES permit violations and known sanitary sewer overflows.

- 2) An evaluation of alternative measures that would maximize conveyance and treatment of existing flows, reduce or maintain existing flows below permitted flow at the treatment plant and ensure adequate conveyance capacity, and/or increase the capacity of the treatment works. This evaluation shall include, at a minimum:
 - i) A review of current and proposed water conservation measures to reduce flow;
 - ii) Strategies to reduce infiltration;
 - iii) Strategies to reduce inflow from sanitary sewer lines, including disconnection of roof leaders, sump pumps, and other sources of inflow, and redirect the inflow to storm sewer lines to the extent feasible;
 - iv) Strategies to maximize current conveyance and treatment capacity including changes to current operation and maintenance practices or increases in permitted flow at the treatment plant; and
 - v) Capital improvements to expand existing conveyance or treatment capacity.

- 3) The identification of and justification for the measure(s) selected based on the evaluation of alternatives described at 2) above.

- 4) An implementation schedule for the selected alternative(s), including any necessary continued assessment of infiltration and inflow and changes to rules, ordinances, and sewer use agreements of the permittee, participating municipalities, and/or sewage authorities. The implementation schedule shall provide for the revision of relevant operation and maintenance and asset management plans to incorporate the selected alternative(s).

- 5) A description of the mechanisms to be used to finance the selected alternative(s); and

- 6) A certification signed in accordance with N.J.A.C. 7:14A-4.9 that the selected alternative(s) will be undertaken in accordance with the implementation schedule.

- **The CAR shall be submitted to the Department within 180 days after the last day of the final month of the 12-consecutive-month period.**
- **A completed WQM007 Form shall be submitted to the Department beginning the last day of the month following the date the threshold is met, and on a quarterly basis thereafter.**

Both items shall be sent to the following address:

NJ DEP, Division of Water Quality
Bureau of Environmental, Engineering & Permitting
Mail Code: 401-03D, PO Box 420
Trenton, New Jersey 08625-042
Attention – Tracy Shevlin (TWA Program)