

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATERSHED MANAGEMENT

ADOPTED AMENDMENT TO THE NORTHEAST WATER QUALITY
MANAGEMENT PLAN

Public Notice

Take notice that on **AUG 31 2004**, pursuant to the provisions of the New Jersey Water Quality Planning Act, N.J.S.A. 58:11A-1 et seq., and the Statewide Water Quality Management Planning rules (N.J.A.C. 7:15-3.4), two amendments to the Northeast Water Quality Management Plan were adopted by the Department of Environmental Protection (Department). These amendments, submitted on behalf of the Southeast Morris County Municipal Utilities Authority (SMCMUA), also amend the Mendham Township Wastewater Management Plan (WMP).

The first amendment recognizes the existing permitted discharge to Harmony Brook, a FW2-TP (C1) waterbody, from the Clyde Potts Water Treatment Plant (WTP), located in Mendham Township, Morris County. This discharge was mistakenly not included in the adopted Mendham Township WMP. The New Jersey Pollutant Discharge Elimination System (NJPDES) permit for this facility, permit number NJ0098540, provides for the discharge of 35,000 gallons per day (gpd) to Harmony Brook. The existing permitted discharge includes the chlorinated/dechlorinated filter backwash from the WTP, as well as non-process flows including stormwater, overflow from the Clyde Potts Reservoir, diverted stream flow and seepage water from the Reservoir toe drains and filter blankets. The Clyde Potts WTP has installed a new filtration system. As part of this first amendment, the existing filter backwash flow component of the Clyde Potts WTP discharge will be replaced by the wastewater from the WTP generated during the chemical cleaning cycle of the membranes of the new filtration system. There will not be any change in the regulated pollutants contained in the discharge or the existing effluent limitations for the discharge. These pollutants will continue to be discharged to the stilling basin and then discharged to Harmony Brook via DSN

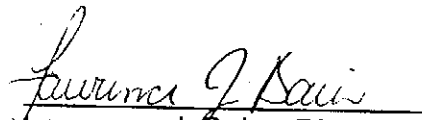
001A, which is a privately owned storm sewer. The flow will remain at 35,000 gallons per day (gpd).

The second amendment allows a new discharge consisting of a combination of unfiltered and physically filtered reservoir water, originally withdrawn from the Clyde Potts Reservoir, and returned directly to the Reservoir. This discharge location is designated as outfall DSN 002A. The return of water to the Reservoir will maximize the safe yield of the Reservoir. The WTP will draw approximately 3.125 million gallons per day (mgd) of water from the Reservoir and filter 2.5 mgd of this water through screens and membranes to produce drinking water. The membranes will be flushed with water every thirty minutes to remove solids and introduce aeration. This water with solids, at a volume of 0.625 mgd, will be returned directly to the Reservoir. In addition, a total of 0.033 mgd of water from the strainer cleaning process, the water sampling system and the drainage from the membrane tanks will also be returned directly to the Reservoir. Therefore, a total of 0.658 mgd of Reservoir water with Reservoir water solids will be returned to the Reservoir. All waters being returned to the Reservoir come directly from the Reservoir and do not undergo chemical or biological treatment. The discharge will not introduce any new pollutants, or additional loading of pollutants, into the Reservoir. There will be no net change of the solids mass loadings in the Reservoir as a result of this discharge.

These amendments have been reviewed in accordance with Executive Order 109 (2000) and N.J.A.C. 7:15-5.18. The Department determined that no analyses were required since the discharge to Harmony Brook is an existing discharge and the discharge to the Clyde Potts Reservoir will not introduce any new or additional pollutants to the Reservoir.

This amendment proposal was noticed in the New Jersey Register on June 21, 2004 at 36 N.J.R. 3208 (a) and no comments were received during the comment period.

This amendment represents only one part of the permit process and other issues may need to be addressed prior to final permit issuance. Additional issues which may need to be addressed may include, but are not limited to, the following: compliance with the stormwater regulations, antidegradation; effluent limitations; water quality analysis; exact locations and designs of future treatment works (pump stations, interceptors, sewers, outfalls, wastewater treatment plants); and development in wetlands, flood prone areas, designated Wild and Scenic River areas, or other environmentally sensitive areas which are subject to regulation under Federal or State statutes or rules.



Lawrence J. Baier, Director
Division of Watershed Management
Department of Environmental Protection

August 31, 2004
Date