

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF LAND USE REGULATION

REVISION TO THE TRI-COUNTY WATER QUALITY MANAGEMENT PLAN

TAKE NOTICE that on **AUG 9, 2018**, pursuant to the provisions of the 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. 7:15-3.5, a revision to the Tri-County Water Quality Management Plan (WQMP) and Gloucester County Utilities Authority Wastewater Management Plan (WMP) was adopted by the Department. This revision modifies the WQMP and WMP to allow for the construction and operation of the Reclaimed Water for Beneficial Reuse (RWBR) irrigation project at the Pitman Golf Course in Mantua Township, Gloucester County.

On March 10, 2010, the DEP and Gloucester County Parks and Recreation (Pitman GC) executed an Amended Settlement Agreement. This Final Administrative Order addresses violation of Pitman GC's Water Allocation Permit 2280P, whereby excessive diversion of water occurred between 1999 and 2002. To achieve compliance, Pitman GC has been directed to design and construct a RWBR project in accordance with a schedule, resulting in its operation by December 31, 2013.

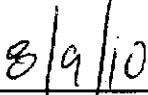
The project involves reclamation of raw sewage from the Chestnut Branch Interceptor, owned and operated by the Gloucester County Utilities Authority (GCUA), and subsequent treatment at a wastewater treatment plant prior to conveyance to the county-owned Pitman Golf Course for use in spray irrigation. The GCUA will own, operate and maintain the wastewater reuse plant. The reuse system will operate on a seasonal basis (approximately March through November). The amount of reuse water required for irrigation at the golf course is 100,000 gallons per day. As such, the minimum design capacity of the reuse facility will be 0.1 million gallons per day (MGD). The GCUA Wastewater Treatment Facility (WWTF) located in West Deptford Township, has a permitted flow of 27 MGD, discharging to the Delaware River under New Jersey Pollutant Discharge Elimination System (NJPDES) Permit Number NJ0024686. This RWBR project does not allow for additional flows to the GCUA WWTF or increase GCUA's permitted effluent discharge.

The project includes construction of a diversion chamber/pumping station at Block 254.01, Lot 32 to direct raw sewage from the existing Chestnut Branch interceptor to a new force main along Lambs Road (County Route 635) to the new treatment facility on GCUA-owned property at Block 254.01, Lot 34.03. Following treatment, the reuse water will be metered out from a lined storage lagoon situated adjacent to the treatment facility, then conveyed via force main under Route 55 to the golf course irrigation system, located at Block 254, Lots 34 and 39. Solids and overflow will be conveyed via gravity flow back to the Chestnut Branch Interceptor for treatment at the GCUA WWTF. This application of RWBR is considered Type I for Public Access Systems, which involves the use of reclaimed water where public exposure is likely, thereby necessitating the highest degree of treatment.

This revision allows for the beneficial reuse of wastewater, thereby deterring increased water demand in a state-designated Critical Water Supply Area 2, per the New Jersey Water Supply Management Act, N.J.S.A.58:1A-1 et seq.

The new discharge qualifies as a revision in accordance with N.J.A.C. 7:15-3.5(b)vii, which allows for "The utilization of an RWBR project to reduce either existing or proposed wastewater discharges to surface waters below the head of tide or ground water discharges located within HUC 14 drainage areas which are wholly below the head of tide."

  
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Thomas Micai, Director  
Division of Land Use Regulation  
Department of Environmental Protection

  
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