



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Coastal & Land Use Planning

P.O. Box 420, 401 East State Street

Mail Code 401-07C

Trenton, New Jersey 08625-0420

Telephone: (609) 984-6888

Fax: (609) 984-6505

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

FEB - 8 2013

Ryan Miller
West Deptford Energy, LLC
400 Chesterfield Center
Suite 110
St. Louis, MO 63017

Re: West Deptford Energy Station
Block: 328, Lots: 1.02, 1.04, and 1.06
West Deptford Township, Gloucester County
Watershed Management Area # 18
Tri-County Water Quality Management Plan (WQMP)
Gloucester County Utilities Authority (GCUA) Wastewater Management Plan (WMP)
Program Interest No.: 435433
Activity No.: REV120001
Adopted Revision

Dear Mr. Miller:

Recently the Department of Environmental Protection received information you submitted in support of a revision to the Tri-County WQMP for the above referenced project.

We have reviewed the information and are pleased to inform you that, 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), the WQMP revision has been adopted by the Department. Enclosed is a copy of the Department's notice approving the WQMP revision. A copy of this notice should be submitted with any Treatment Works Approval application. If you are the Designated Planning Agency or the Wastewater Management Planning agency for this area, please update your copy of the Tri-County WQMP and GCUA WMP to reflect this change.

If you wish to dispute the Department's factual findings or any of its conditions or if anyone is aggrieved by this determination, an adjudicatory hearing may be requested. A request for an adjudicatory hearing shall be submitted in writing by certified mail, or by other means which provides verification of the date of delivery to the Department, within 30 calendar days of notice of this decision made pursuant to N.J.A.C. 7:15-3.1 or 3.2, 3.4(g)2i or ii or 3.4(g)8ii through iv. The adjudicatory hearing request must include the information identified at N.J.A.C. 7:15-3.9. The hearing request must

be submitted to the Department addressed to Office of Legal Affairs, ATTENTION: Adjudicary Hearing Requests, Department of Environmental Protection, PO Box 402, 401 East State Street, Mail Code #401-04L, Trenton, NJ 98625-0402. A copy of the request shall be submitted to Division of Watershed Management at the address contained in the letterhead above.

Please place the program interest number and the activity number found above at the top of all written correspondence submitted to the Department. If you have any questions or require further assistance, please call Kathy Giordano, at (609) 984-6888.

Sincerely,



Elizabeth Semple, Acting Director
Division of Coastal & Land Use Planning

Enclosure

C: Doug Mulvey, West Deptford Energy, LLC, via e-mail
John J. Vinci Sr., Executive Director GCUA, via e-mail
Delaware River Basin Commission, via e-mail
Chad Bruner, Administrator Gloucester County, via e-mail
Raymond Chintall, Mayor West Deptford Township, via e-mail
Heather Genievich, NJDEP, DWQ, via e-mail
Joseph Corleto, NJDEP, OPC, via e-mail
Kathy Giordano, NJDEP, DCLUP
Deborah Bechtel, NJDEP, DCLUP
Office of Land Use Planning - File

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF COASTAL AND LAND USE PLANNING

REVISION TO THE Tri-County WATER QUALITY MANAGEMENT PLAN

TAKE NOTICE that on **FEB - 8 2013**, 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 identify changes in the operation of the West Deptford Energy Station (WDES), formerly known as the PG&E Corporation Mantua Creek Generating Station, as a proposed Reclaimed Water for Beneficial Reuse (RWBR) treatment facility. Construction of this dual-fuel combined-cycle electric generating facility on Block 328, Lot 1.02, adjacent to the existing Gloucester County Utilities Authority's sewage treatment plant (GCUA) in West Deptford Township, Gloucester County, was approved in an amendment adopted September 25, 2001 (see NJR). The GCUA operates under New Jersey Pollutant Discharge Elimination System (NJPDES) permit number NJ0024686 and has a permitted flow of 27 MGD, discharging to the Delaware River.

A subsequent revision, adopted March 16, 2009, approved two technological changes: 1) modification of the estimated process flows; and 2) modification of the process water discharge site; and corrected the GCUA sewer service area to include the facilities' footprint at the previously disturbed WDES site.

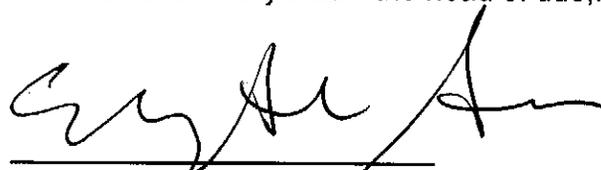
The current revision application proposes an increase in the WDES discharge flow, from an average of 2.0 MGD to 3.1 MGD. Due to a potential change in GCUA's total dissolved solid effluent loading concentration, the WDES process may now require additional effluent water in order to operate efficiently. Beneficial reuse water from GCUA to WDES will be increased from 7.5 mgd (average) treated effluent to 9.2 mgd (average) treated effluent. Consequently, the WDES discharge flow to GCUA outfall under WDES's individual NJPDES permit will change from 2.0 mgd (average) to 3.1 mgd (average).

The WDES wastewater discharge to the GCUA headworks for treatment under GCUA's significant industrial user permit will include the previously authorized 2,500 gpd sanitary wastewater; and per this revision, will now also include a 29 gallons per minute (gpm) high total suspended solids (tss) process wastewater blowdown stream. This residual process water comes from the pretreatment equipment used to clean GCUA wastewater effluent before use at the WDES. Because the blowdown stream is too saturated for discharge under the WDES permit, it is being cycled back to the GCUA facility for treatment there.

Proposed changes to the RWBR project do not increase GCUA's permitted effluent discharge and there is no proposed change to the future sewer service area.

As previously set forth in the 2001 adopted Amendment, this revision allows for the beneficial reuse of wastewater, thereby deterring increased water demand in a state-designated Critical Water Supply Area 2, per New Jersey Water Supply Management Act, N.J.S.A.58:1A-1 et seq.

This modified 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;"



Elizabeth Semple, Acting Director
Division of Coastal & Land Use Planning
Department of Environmental Protection

2/8/13

Date