

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION**

NOTICE OF PUBLIC HEARING

Charles County

Application for State Discharge Permit 21DP1674, NDPES Permit MD0057525:

Charles County Department of Public Works, 5310 Hawthorne Road, Charles County, Maryland 20664, has applied for a permit renewal to discharge an average of 0.30 million gallons per day (mgd) with the option to discharge 0.60 mgd (upon facility expansion) of treated wastewater from Swan Point Wastewater Treatment Plant (WWTP), located at 12100 Swan Point Road, Issue, Maryland 20646, to Cuckold Creek as Use II water which is protected for shellfish harvesting, and estuarine and marine aquatic life.

The Maryland Department of the Environment (MDE) is proposing to reissue the discharge permit with the following effluent limitations for the facility with a design capacity of 0.30 mgd: BOD₅, 30 mg/l maximum monthly average and 45 mg/l maximum weekly average; Total Suspended Solids (TSS), 30 mg/l maximum monthly average, 45 mg/l maximum weekly average, BOD₅ and TSS percent removed, 85 % minimum as monthly average; Total Ammonia Nitrogen as N (5/1 – 10/31) 2.9 mg/l maximum monthly average; Total Phosphorus (TP) as P, 0.50 mg/l maximum monthly average and 0.75 mg/l maximum weekly average; Total Nitrogen (TN) as N, 10.0 mg/l maximum monthly average and 15.0 mg/l maximum weekly average; Fecal Coliform, 14 MPN/100 ml maximum monthly median value; total residual chlorine, nondetectable level of less than 0.1 mg/l maximum (when chlorine compounds are used in wastewater treatment); Dissolved Oxygen, 5.0 mg/l minimum at any time (year-round); and pH maintained between 6.5 and 8.5. The following effluent loading characteristics will remain as goals only without numerical limitations as long as the design flow of Swan Point WWTP remains 0.3 mgd: Total Phosphorus (TP) as P, 548 pounds/year maximum annual loading rate; Total Nitrogen (TN) as N, 7,309 pounds/year net maximum annual loading rate.

Upon Swan Point WWTP expanding to a design capacity of 0.60 mgd, the following effluent limitations will apply: BOD₅ (5/1 – 10/31), 15 mg/l maximum monthly average and 23 mg/l maximum weekly average; BOD₅ (11/1 – 4/30), 30 mg/l maximum monthly average and 45 mg/l maximum weekly average; Total Suspended Solids (TSS), 30 mg/l maximum monthly average, 45 mg/l maximum weekly average and 54,820 pounds/year maximum annual loading rate, BOD₅ and TSS percent removed, 85 % minimum as monthly average; Total Ammonia Nitrogen as N (5/1 – 10/31) 1.7 mg/l maximum monthly average; Total Phosphorus (TP) as P, 0.25 mg/l maximum monthly average, 0.37 mg/l maximum weekly average and 548 pounds/year maximum annual

loading rate; Total Nitrogen (TN) as N, 5.0 mg/l maximum monthly average, 7.5 mg/l maximum weekly average and 7,309 pounds/year maximum annual loading rate; Fecal Coliform, 14 MPN/100 ml maximum monthly median value; total residual chlorine, nondetectable level of less than 0.1 mg/l maximum (when chlorine compounds are used in wastewater treatment); Dissolved Oxygen, 5.0 mg/l minimum at any time (year-round); and pH maintained between 6.5 and 8.5.

The TP, TN, and TSS maximum annual waste loading rates are in conformance with the Nutrient and Sediment TMDL for the Chesapeake Bay watershed accepted by EPA on 12/29/2010. The Fecal Coliform limit is also in conformance with TMDL of Fecal Coliform for Restricted Shellfish Harvesting Areas in Cuckold Creek, which discharges into the Potomac River Lower Tidal Watershed, which includes the Potomac River Tidal segment in Charles County, MD, approved by EPA on 10/31/2007. The monitoring and reporting requirements of twice per year for Total Polychlorinated Biphenyls (PCBs) are established in conformance to the PCBs TMDL for the Potomac River Tidal segment (Segment ID POTMH_MD) approved on October 31, 2007 by USEPA.

The effluent limits are set to maintain compliance with State water quality standards. Regular effluent monitoring and reporting are required.

The Department has received a request for a public hearing on the tentative determination for the above permit and has scheduled the hearing for **5:30PM, August 14, 2024** at the **Charles County Public Library - La Plata Branch-La Plata Meeting Room - 2 Garrett Ave, La Plata MD 20646.**

Persons who wish to present information regarding the tentative determination may speak at the public hearing, submit written comments at the public hearing, or submit a written statement to the Department no later than . All comments will be considered in making a final determination.

Written comments should be addressed to the **Maryland Department of the Environment, Water and Science Administration, 1800 Washington Blvd., Baltimore, Maryland 21230-1708, Attn.: Mr. Yen-Der Cheng, Chief, Municipal Permits Division.** The supporting information for the tentative determination, including the draft permit and fact sheet, may be reviewed by contacting Mr. Cheng at the above address or by telephone at (410) 537-3363 or 1-800-633-6101 to schedule an appointment. Copies of documents may be procured at a cost of \$0.36 per page.

Any hearing-impaired person may request an interpreter to be present at the public hearing by giving ten working days notice to Mr. Cheng at the address or telephone number listed above.

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