



THE TOWN OF CENTREVILLE 101 LAWYERS ROW CENTREVILLE, MD 21617
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DATE: October 28, 2016
TO: Steve Walls, Town Manager
FROM: Clifford Matthews, Director of Public Works
RE: Water Reuse Farm Discharge Permit 14-DP-3323 Modifications Request

Mr. Sam Bozarth, Water & Wastewater Supervisor and I, request consideration of two Permit Modifications for the Water Reuse Farm Discharge Permit 14-DP-3323 for the following purposes:

Modification #1

Modify the current Permit to a Tertiary Permit. This would lower the monthly average discharge limits and allow the reduction of the buffer areas on the farm from 200 ft. down to 25 ft. Reducing the buffer area and expanding the irrigation patterns could also allow the farm's discharge permit to be modified from 542,000 gpd to the design capacity of 650,000 gpd.

The discharge loading limits would change as follows:

- Biochemical Oxygen Demand (DOB) from 30 mg/l to <10 mg/l for the monthly average
- Total Suspended Solids (TSS) from 30 mg/l to <10 mg/l for the monthly average
- Fecal Coliform 200MPL/100 ml to <3MPL/100ml monthly geometrics mean

Over the past 36 months the WWTP has met the lower limits for BOD and TSS consistently. The Fecal Coliform results were above the lower limit of <3 MPL/100ml nine of the thirty six months due to the faulty UV disinfection unit which we hope to soon replace.

Modification #2

Add a second discharge point to the permit.

The Town was approached by John Cannon, the owner of the 138.61 acre farm located at 200 Milliken Lane across from the Town's Water Reuse Farm. He inquired if it would be possible to receive some of our treated effluent water used on the Town's farm for irrigation on his farm. A meeting was arranged with Mr. Cannon, Dr. Ching-Tzone Tien, Chief, MDE Groundwater Discharge Permit Division, Mr. Randy Denny, MDE Compliance Engineer, Mr. Sam Bozarth, and I to discuss the possibility of this request and steps needed to move in this direction.

Dr. Tien explained the Town would need a permit modification to claim this farm as "Discharge #2". This would also require a modification/amendment to the Queen Anne's County Water and Sewer Comprehensive Plan. He also explained that Modification #1 would also apply to Discharge #2 with regards to the reduced buffers. This would allow Mr. Cannon to irrigate more acres with less buffer area.

Respectfully submitted for your comments,
Clifford Matthews Jr
Director of Public Works