

Nutrient Trading Referenced in the Discharge Permits

Denton WWTP (11-DP-0537A) vs. Prettyman Manor MHP WWTP (12-DP-3779)

In accordance with the Permit for Prettyman Manor WWTP (12-DP-3779, MD0071552) and as referenced in the "*Nutrient Credit Transfer Agreement*" signed by Prettyman Manor, LLC and The Town of Denton on May 4, 2015, the permittee is credited TN credit load of **20.8 pounds/month** (no more than **250 pounds/year**), and in return, the permittee has relinquished a TP waste load allocation of 19.4 pounds/year. The annual maximum loading rate limitation for TP in the effluent limitations table is adjusted to reflect the above stated TP load transfer. The calculated net annual loading rate (definition I.H.5b) of TN must be less than the annual maximum loading rate for TN in the effluent limitations table. The TN credit load shall be available to the permittee after Prettyman Manor WWTP (12-DP-3779, MD0071552) is constructed and fully operational. Any future adjustment of nutrient allocation/credit based on the trading agreement will require a public participation process and permit modification.

Northeast WWTP (09-DP-1082B) vs. Conowingo MHP WWTP (12-DP-3762)

In accordance with a permit (12-DP-3762) for Conowingo Mobile Home Court WWTP and as referenced in the "*Nutrient Credit Transfer Agreement*" signed by the Conowingo Mobile Home Properties, LLC (Conowingo) and Cecil County on April 4, 2013, the permittee is credited with 100 pounds/year for Total Nitrogen, and in return, the permittee has relinquished 50 pounds/year for TP. The annual maximum waste loading rate limit for Total Phosphorus is adjusted to reflect the above stated Total Phosphorus load transfer. Upon completion of the ENR upgrade at North East River Advanced WWTP, Total Nitrogen annual load credit of 100 pounds/year along with the other applicable Total Nitrogen annual load credit stated above in 12(a) shall be applied as an offset to the annual Total Nitrogen load discharged by the facility. The annual Total Nitrogen as N load discharged by the facility *minus* Total Nitrogen credits of 100 pounds/year shall not exceed the applicable Total Nitrogen annual maximum waste load allocation.

Anne Arundel Nutrient Permit (11-DP-3585) vs. Piney Orchard WWTP (07-DP-1936)

- (3) The annual maximum loading rate limits are based on the nutrient waste load allocation (WLA) assigned by the Chesapeake Bay TMDL for each facility as shown below. These limits are in effect with the current individual discharge permits. The reserved WLA of **5,786 lb/yr** TN and **434 lb/yr** TP, as indicated below, are results from the equivalent of 0.5 MGD of Enhance Nutrient Removal (ENR) performance level nutrient waste load allocations transferred from Piney Orchard WWTP (MD0059145) to Arundel County wastewater facility. The reserved WLA will be available after the capacity expansion of an Anne Arundel County's wastewater facility located within the Patuxent River Watershed.