

MONTGOMERY COUNTY, PENNSYLVANIA



Perkiomen Crossing is a Norweco Modulair STP under construction for Upper Frederick Township in Montgomery County (near Perkiomenville). The plant serves a multi-family residential community and its discharge is to Goshenhoppen Creek, a tributary within the Schuylkill River basin.

The plant was constructed on the site of an existing plant and is designed to provide advanced treatment for a daily flow of 47,850 gallons. The treatment includes; Dutchland's Bio-D® process for Nitrogen reduction – in simpler terms it has Anoxic tanks – and a rapid rate filter for tertiary treatment. Many of the tank structures associated with the existing treatment process – a small SBR (sequencing batch reactor) plant – were modified for use in the new process. These re-uses include, equalization, sludge holding, disinfection and post aeration. In addition to the anoxic and filter facilities, Dutchland installed aeration and clarifier tanks.

This plant will meet the criteria of the Chesapeake Bay Initiative when complete. Dutchland anticipates that many projects for the Chesapeake Bay will consist of upgrading existing facilities. The EPA has recently been given broad powers over the Chesapeake Bay Initiative, so we expect a significant increase in upgrades of existing facilities such as this project.

The engineer for the project is Keystone Engineering Group of Frazer, Pennsylvania. The contractor is Almeida & Hudak Contractors (the same contractor as Estates at Deep Run Creek, Strausstown WWTP, and the upcoming project Macoby WWTP Expansion).

Dutchland field construction began in May and the start-up will be concluded by the end of July.

Congrats to all Dutchland employees for a job well done.

