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# Clarion Wastewater System Improvement Clarion, PA

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**Capacity:** 3.9 MG CSO Tank

**Date Completed:** August 2014

**Duration On-site:** 9 weeks

**Description:** As part of a \$24M project, Dutchland manufactured and built a 3.9 MG wet weather tank to eliminate overflow issues caused by an undersized and aging wastewater plant infrastructure in Clarion County. Dutchland was chosen as a bid alternate due to the many design efficiencies of precast concrete. The precast post-tensioned tank measures 238-ft long by 104-ft wide and consists of two separate chambers. The tank has a sloped floor to work in conjunction with 10 flushing gates that were installed to assist with wash down. The precast wall panels along the slope are 16-in thick and range in height from 26 feet to 33 feet. Diagonal walkways measuring 7-ft 6-in support the long walkway spans. To accommodate for differential backfill, the tank includes a closure strip connecting the two exterior hillside walls to the base to resist the high soil loads.