

The secondary effluent is combined into a single channel containing a Trojan UV3000 Plus disinfection system. The UV system consists of two banks of horizontal lamps, each having 8 lamps. The TrojanUV3000Plus™ uses energy-efficient amalgam lamps. These high output lamps are automatically dimmed when flow demand drops or when the water quality changes. The system uses ActiClean™ during cleaning cycles, which eliminates sleeve fouling.

Permit limits and actual average results for the Moundsville facility after 23 years of operation are shown below.

Parameter Actual	Permit	
<b>Flow</b> mgd	2.34 mgd	1.61
<b>CBOD</b>	25 mg/l	5 mg/l
<b>TSS</b>	30 mg/l	4 mg/l
<b>Ammonia</b> mg/l	15 mg/l	2.6
<b>Fecal Coliform</b>	200	28