

Influent

The flow enters the headworks of the plant through one 84-inch and one 48-inch interceptor. The 84-inch interceptor has two automated sluice gates and a side-mounted combined sewer overflow (CSO) screen with an attached bending weir. The 48-inch interceptor comes into the plant downstream of the CSO. The WWTP plant flow is normally between 10 and 18 MGD and the plant's peak flow is 36 MGD. However, during storm events the flow to the plant can increase to 60 to 90 MGD. Any flow above 36 MGD is bypassed through the CSO screen to Mad River.



Influent Channel

There are two control gates that allow flow into the plant. These gates are controlled by the SCADA system through the use of various level detectors and flow meters that prevent flooding and process washout. In the event the flow increases to exceed the hydraulic capacity of the plant, the sluice gates will start to close and the flow in the influent chamber will rise. When the flow in the chamber rises, a programmable logic controller (PLC) will activate the CSO screen mechanisms and bending weir allowing the excess flow to enter the 100 MGD bypass sewer through the screening mechanism. The screenings will proceed on into the plant.



Septic Dumping Station

A septic dumping station is located at the beginning of the plant. Registered septage haulers and RV users can use this station. In 2007 there were 12 registered septage haulers that used the septic dumping station. Septage is dumped directly into an 84-inch influent sewer. Septage is regulated under an administrative memorandum (61.4) allowing only for residential septage. The memorandum permits trucks of 4,000 gallon capacity or smaller with no side discharge. Each registered user is only permitted to discharge up to 12,000 gallons per day. During 2007 the WWTP received over 5.5 million gallons of septage. The septage is randomly sampled and analyzed for metals and the acceptance of septage has had no adverse effect on the plant. Since the WWTP is sitting in a valley, the odors from the septage are confined to the plant's preliminary and primary treatment area.