

Paden City Wastewater Treatment Plant Clarifier Traveling Bridge Rebuild

Project Location: Paden City, West Virginia

Project Description:

- The Paden City Wastewater Treatment Plant uses a traveling bridge on the final clarifier, which continually drives back and forth from one end of the clarifier to the other. The bridge holds the return activated sludge pump and suction piping, and also acts as a skimmer to move floating scum to the sludge holding tank.
- The traveling bridge has been exhibiting numerous electrical and mechanical problems which require frequent repair. Swiss Valley Associates was contracted to rebuild the bridge electronics and drive system.





Bridge ready to be removed for repair



Bridge ready to be rebuilt onsite



All new Drive System & Electrical Components



New Rail & Drive Rack were installed



Rebuilt bridge lifted back onto clarifier



Clarifier Bridge back in service