

Hoosac WQD Williamstown, MA



An aging primary and secondary treatment facility coupled with increased loadings to the co-settling primary clarifier resulted in the need to upgrade the Hoosac WQD. An important component of the upgrade was biosolids handling.

Tighe & Bond selected the belt filter press as the bases of design for this 5.37 MGD average daily flow facility. The co-settled primary and secondary sludge is typically a 50:50 blend feeding the belt filter press.



BDP Industries' 3DP™ belt filter press was selected for dewatering. The 3DP press dewaterers in two distinct steps - 1) Gravity Thickening and - 2) Pressure Dewatering. This configuration provides maximum operator flexibility, high throughput rates, and decreased polymer usage. In addition to the press, BDP provided a complete system with control panel, polymer pump, hydraulic system, and shower water.

These benefits combine to provide the Hoosac WQD with a state-of-the-art, long term solution for solids dewatering.

Our special thanks to Jim Nathan of Tighe & Bond and Bradley Furlon of the Hoosac WQD for their support during this project.

Location:	Hoosac Water Quality District
Average Daily Flow :	5.37 MGD
Start-Up:	2004
Capacity:	Min. 150 GPM Max. 300 GPM 23 to 27% Dry Solids 2 to 4% inlet feed
Sludge Characteristic	Primary and Waste Activated Sludge
Type of Equipment:	One 2.0 Meter 3DP - 3 Belt Filter Press
Facility Engineer:	Tighe & Bond Westfield, MA



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