

Wastewater Treatment Plant Town of Guilderland, NY



The Town of Guilderland has been dependably served by a 1.5 meter BDP belt press since its installation in 1983. In 2004, the Town decided that an upgrade was necessary, and chose BDP due to their service and equipment reliability. The Town of Guilderland installed a 2.0 meter 3DP™, and immediately experienced dryer cakes with higher throughput resulting in lower disposal costs. The 3DP™ was the press of choice due to superior performance, simplified room layout and first class construction and reliability.



The 3DP™ press dewateres 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 system, hydraulic system, wash water pump, discharge screw conveyor, truck load out conveyor, and assistance in the room layout design. These benefits combine to provide the operations staff with a state-of-the-art, long-term solution for solids dewatering.

Our special thanks to the Town of Guilderland employees who have been valued BDP customers for over 20 years.

**Design
Average Daily
Flow :**

3.6 MGD

Start-Up:

2005

Capacity:

Minimum 200 GPM
20-30% Dry Solids
2.5% inlet sludge feed

**Sludge
Characteristic**

Primary and
Aerobically Digested
Secondary Sludge

**Type of
Equipment:**

One 2.0 Meter
3DP™ - 3 Belt Filter Press

**Facility
Engineer:**

Delaware Engineering –
Terry Wright, P.E.
(607)432-8073

**Local
Representative**

Koester Associates, Inc.



Manufacturer of Systems for Solids Dewatering

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