



## Project Profile

BDP Industries, Inc. Greenwich, NY

# Town of Ontario, NY Sludge Dewatering Improvements

## Facility Contacts:

Chief Operator: Scott Tozier (315)524-2941  
Wastewater Superintendent: Bob Wykle (315)524-2941

## Project Summary:

The Town of Ontario WWTP process consists of aeration, secondary clarification, tertiary filtration, UV disinfection and post aeration. Secondary sludge is aerobically digested. The belt filter press dewateres the sludge prior to application to partially covered asphalt sludge drying beds.

The belt filter press discharge cake solids are consistently in the 12 to 15 percent range, which is considered to be good performance for this type of sludge. (Aerobically-digested secondary sludge is difficult to dewater.) The Town decided to upgrade the existing BDP belt press to further enhance dewatering.

After installation of two air sparger units on the belt press, the discharge cake solids immediately increased to the 14 to 17 percent range. This increase in solids dryness has reduced the sludge volume by over 15 percent. In addition, there is now excess capacity in the existing drying beds. The air sparger system has also reduced polymer consumption by 10 percent.

## Plant Data:

Average Daily Flow:	0.5 MGD
BOD and TSS Loading:	700 pounds per day
Peak Daily Flow	2.5 MGD

## Equipment Components: BDP Air Sparger Upgrade:

- # Two s.s. air sparger assemblies
- # One 1.0 HP blower
- # Interconnecting piping
- # Control panel modifications
- # Complete Turnkey Installation