



Project Profile...



BDP Industries, Inc. Greenwich, NY

## City of Amsterdam, NY Wastewater Treatment Plant Sludge Dewatering Improvements

### Facility Contacts

Chief Operator: Lou Fallova (518)843-2930  
Engineer: City of Amsterdam (518)841-4331  
Facility Engineer: Lamont Engineers (518)234-4028

### Project Summary:

The City's existing solids dewatering system was in urgent need of a major overhaul. Over the years, several dewatering systems were utilized, but the City had the best results with belt filter press technology. Based on an economical analysis, the City decided to proceed with a new solids dewatering building.

At the heart of the system are two BDP Industries Model 3DP belt filter presses. The 3DP utilizes three-belt technology. This provides advanced operational flexibility while optimizing process performance as compared to traditional two-belt machines – lower polymer usage, drier cake, clearer filtrate, higher throughput, longer belt life.

Lou Fallova is quite familiar with BDP equipment, as he operated BDP equipment at the City plant through the 1980's. Lou's staff is now responsible for operating and maintaining the sludge dewatering equipment.

*Our special thanks to Lou Fallova and the City Engineer. Their support during this sensitive project should be recognized. Both Lou and Mike leaped many personal and professional hurdles in order to make this project a success for the City.*

### Basis of Design: Dewatering Equipment Components

- ↓ # Design Sludge Feed Rate: 180 gpm
- ↓ # Solids Throughput: 3,000 pounds/hour
- ↓ # Blend of Raw Primary, Waste Activated
- ↓ # Two Model 3DP® 1.5 meter 3-belt units
- ↓ # 12' gravity dewatering section
- ↓ # Progressing cavity sludge feed pumps
- ↓ # Duplex dry polymer make-up system
- ↓ # Post-lime stabilization system
- ↓ # Sludge cake conveyance system
- ↓ # Dewatering system control panel