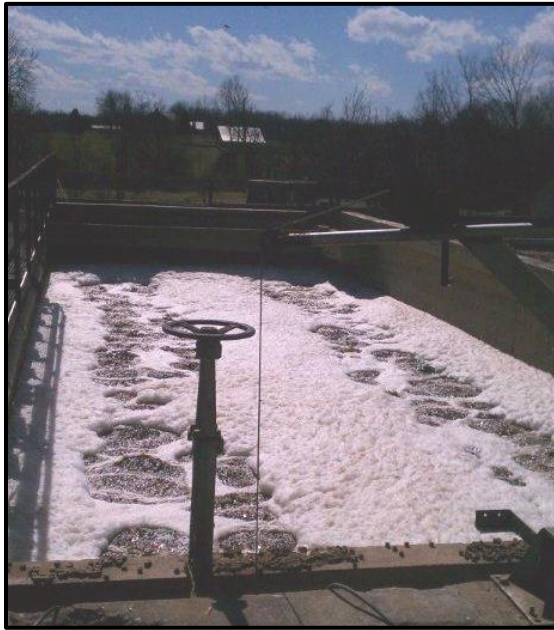


## SYSTEM STUDY: Ox Paperboard LLC – Halltown, WV



### FAST FACTS

#### **Project:**

- ✓ bioFAST™ MBBR System for Recycled Paper Board Wastewater

#### **Industry:**

- ✓ Pulp & Paper

#### **Application:**

- ✓ Biochemical Oxygen Demand (BOD) Removal

### SYSTEM DESIGN CRITERIA

- ◆ Wastewater Flow: 40,000 GPD
- ◆ BOD Influent: 10,000 mg/L
- ◆ BOD Effluent: < 2,450 mg/L

### Problem:

Ox Paperboard LLC located in Halltown, West Virginia needed to upgrade its wastewater treatment process because the BOD load produced by the paper mill exceeded the treatment capacity of the existing SBR.

### Solution:

bioprocessH<sub>2</sub>O retrofitted an existing clarified water tank into a single-stage MBBR system to reduce the BOD load to the existing SBR. The treated wastewater from the bioFAST™ MBBR is discharged to the existing SBR for BOD polishing and solids removal to meet the effluent requirements.

### Status/Results:

The bioFAST™ MBBR System reduces carbonaceous BOD by >75%, allowing the existing SBR to meet the effluent BOD limit.

### bioFAST™ MBBR System Benefits/Highlights:

- ◆ Efficient reduction of BOD
- ◆ Ideal for high and varying loads
- ◆ Cost-effective
- ◆ Compact footprint & modular
- ◆ Easy to operate & maintain

**Contact bioprocessH<sub>2</sub>O today!**

