

# ECO<sub>2</sub> Process Diagram

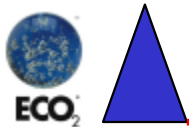
## Municipal Wastewater Odor Control

### Force Main Application

Start up Date: 3/25/04



#### Hague Road Lift Station



#### Force Main

Water Flow: 1.5 MGD  
 Diameter: 12"  
 Length: 3/4 Mile

#### ECO<sub>2</sub> System

Oxygen Rate: 110 lbs / day  
 Water Flow: 600 gpm  
 D.O. Discharge: 15 mg/L

#### System Cost

ECO<sub>2</sub> Equipment: \$55,000\*  
 Oxygen Cost (\$.06/lb): \$7 / Day

#### Allisonville Road Lift Station



#### Force Main

Water Flow: 2.3 MGD  
 Diameter: 16"  
 Length: 2 Miles

#### ECO<sub>2</sub> System

Oxygen Rate: 420 lbs / day  
 Water Flow: 600 gpm  
 D.O. Discharge: 60 mg/L

#### System Cost

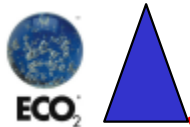
ECO<sub>2</sub> Equipment: \$55,000\*  
 Oxygen Cost (\$.06/lb): \$25 / Day



#### Fishers WWTP

D.O. at Headworks: 10 mg/L  
 D.O. Entering Primary: 2 mg/L

#### Smock Creek Lift Station



#### Force Main

Water Flow: 2.8 MGD  
 Diameter: 16"  
 Length: 3 Miles

#### ECO<sub>2</sub> System

Oxygen Rate: 520 lbs / day  
 Water Flow: 600 gpm  
 D.O. Discharge: 72 mg/L

#### System Cost

ECO<sub>2</sub> Equipment: \$55,000\*  
 Oxygen Cost (\$.06/lb): \$31/ Day  
 \*Less Pumps and Installation

#### WWTP Owner/Operator Town of Fishers, Indiana

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