

**CASE STUDY**

**Municipal Diaphragm Pumps**

**Profile**

Town of Glastonbury  
WPCF Expansion and Upgrade

**Model selected**

Mud Sucker Diaphragm Pump  
Model 4BW-EC

**Flow rate**

Up to 110 GPM

**Fluid type**

Septage, raw sewage

**Objective**

Provide new septage receiving equipment for plant upgrade and expansion

**Consulting Engineer**

Wright-Pierce

**Contractor**

C.H. Nickerson



Installation of Mud Sucker 4BW-EC Series Diaphragm Pumps.



*The Glastonbury Water Pollution Control Facility has undergone an extensive upgrade and expansion in recent years.*

**Town of Glastonbury WPCF**

**Background**

The Town of Glastonbury is a central Connecticut town located less than 10 minutes from Hartford. Over 33,000 residents depend on the water pollution control facility for sanitary wastewater treatment services.

**Issue**

With a rising population and a large geographic area, the town has undertaken a major upgrade and expansion in recent years. The facility has seen success with mechanical walking beam style diaphragm

for years, with minimal maintenance requirements or spare parts needs.

**Pumping Equipment**

Wright-Pierce Engineers specified the Mud Sucker walking beam diaphragm pump series with a 4" connection and fluid handling capabilities of 110 GPM. The walking beam series features both suction and discharge valve chambers that hold a 5 1/8" ball valve to help prevent clogging when pumping thickened municipal sewage. The pump also features

**Glastonbury, CT**

a Santoprene diaphragm with an advanced seal to minimize leaks. Wastecorp worked with New England contractor C.H. Nickerson on the final training and installation services for Glastonbury's new Mud Sucker. With a proven track record for municipal wastewater treatment projects and heavy industrial pumping applications, Wastecorp is a worldwide leader in diaphragm pump manufacturing and training services .

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