

# Wastewater and fouled water installations

## Alfa Laval Wet Surface Air Coolers (WSAC®)

### Introduction

Alfa Laval Wet Surface Air Coolers (WSAC) are efficient closed-loop, evaporative cooling systems designed to help maximize your energy efficiency and support the transition to clean energy.

### Wastewater and fouled water installations

- **Altivia Petrochemicals, LLC**—Haverhill, OH  
Wastewater cooler (2022)
- **ConocoPhillips**—(Lake Charles) Westlake, LA  
Wastewater cooler (2011)
- **Phillips66**—(Lake Charles) Westlake, LA  
Wastewater cooler (2014, 2023)  
(Shell Oil) Wood River, IL  
Sour water cooler (1998)
- **Clement Pappas & Co.**—Ontario, CA  
Wastewater cooler (2009)
- **Diamond Green Diesel**—Port Arthur, TX  
Wastewater cooler (2021)
- **EES Coke Battery**—(Zug Island) Detroit, MI  
Wastewater cooler (2007)
- **Esso Refinery**—Antwerp, Belgium  
Wastewater cooler (2015)
- **ExxonMobil**  
Baton Rouge, LA  
Sour water cooler (2013)  
Baytown, TX  
Sour water coolers (1995, 1999)
- **Invista (Hoechst)**—Wilmington, NC  
Wastewater cooler (1997)
- **Makers Mark Distillery**—Loretto, KY  
Wastewater cooler (2007)
- **Marathon**  
Robinson, IL  
Wastewater cooler (2014)  
Detroit, MI  
Wastewater cooler (2014)  
St. Paul Park, MN  
Wastewater cooler (2010)  
Garyville, LA  
Wastewater cooler (2004)  
Catlettsburg, KY  
Wastewater cooler (2001)
- **Motiva**—Port Arthur, TX  
Wastewater coolers (2002, 2007)
- **Navajo Refining**—Artesia, NM  
Wastewater cooler (2011)



## Wastewater and fouled water installations (continued)

- **Placid Refining**–Port Allen, LA  
Wastewater cooler (2008)
- **Shell**–Deer Park, TX (Deer Park)  
Wastewater cooler (2017)
- **Valero**  
Houston, TX  
Wastewater cooler (2014)  
(St. Charles)–Norco, LA  
Wastewater cooler (2012)  
Port Arthur, TX  
Wastewater cooler (2011)  
Corpus Christi, TX  
Wastewater cooler (2004)
- **Waste Management National Services** –  
Dayton, OH  
Wastewater cooler (2021)
- **WRB Refinery**– Roxana, IL  
Wastewater cooler (2017)



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