



ROGUE

PUMP COMPANY®
A LIMITED LIABILITY COMPANY

CASE STUDY: DAF Feed Pump
LOCATION: Meat Processing Facility
PROJECT: DAF Wastewater Feed System
GOAL: Process Flow up to 175gpm
WORD KEYS: DAF Feed, Self-priming Trash Pump



FACILITY BACKGROUND

Columbus Salame was established in 1934 to manufacture select quality deli meat to serve area clientele. Production processing increased dramatically as the company flourished. In 1987 the first wastewater pretreatment plant was installed to meet city discharge requirements. Treatment was variable with modest results. The company continued to grow and in 2008 found it necessary to replace the aging, overrun inefficient system.

SOLUTION DESIGN

The whole water management system needed addressing to better achieve the desired treatment results. The old pump was a centrifugal design. And being made of cast iron the pump was heavily corroded internally by the high TDS salty wastewater and wet high humidity environment. RPC determined that the DAF was best suited by replacing the existing system with a new AISI 316 stainless steel Rogue **MAX TRS™-200S** pump. The new trash pumps replaced the existing pump directly with twin **MAX TRS™-200S** units instead of the single pump in place previously. Twin pumps offered the advantage of reduced individual cycle duty as well as an in place redundant back-up. The pumps were also placed in a lead/lag mode in case plant wastewater discharge exceeded system capacity. This was all made possible due to their competitive low price. The pump(s) was positioned directly between the DAF and EQ tank. Their compact layout design allowed them to fit neatly in the cramped space available. The piping system pushed effluent water from the EQ tank through to the DAF at a head of 9 feet. The pumps proved efficient at achieving complete and consistent DAF feed of the solids laden water. They have not clogged in over 4 years of service.



FINAL RESULTS

RPC had the pump delivered on time from the factory in Washington State USA. The maintenance crew had the Rogue **MAX TRS™-200S** pumps installed and leak-proof in short order. The DAF produced great results right at start-up. The Rogue **MAX TRS™-200S** pumps passed insoluble solids and effectively kept up with the plant discharge.

PAY-OFF

Columbus Salame continues to utilize Rogue pumps on the wastewater treatment system. The crew is now spending far less time repairing and replacing the system.



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By Stuart Ward

19215 SE 34th Street, Suite 106-202
Camas, WA 98607 USA

(P)360-852-6524 (F)360-735-9347
www.roguepump.com 