

Pipeline Cleaning Project

Baleen Process Solutions and ChampionX partner to successfully execute Mechanical and Chemical Line Cleaning prior to ILI

BACKGROUND

A Houston TX based midstream customer has observed large accumulations of iron corrosion debris in their 10-inch 27-mile pipeline. The accumulation of this debris will likely result in increased corrosion rates from the corrosion mechanisms taking place in the pipeline or the corrosion debris entering the system as a corrosion by-product and create issues with obtaining accurate information from ILI data. The projects objective is to clean and subsequent apply corrosion inhibitor treatment to mitigate the under-deposit corrosion attack that is likely to exist. The customer sought turnkey support to effectively and procedurally clean the pipeline, ensuring future internal corrosion risks stemming from these past and future activities were minimized. Furthermore, they needed these services to be efficiently and safely managed.

OBJECTIVE

Baleen Process Solutions partnered with ChampionX as well as collaborating with the customer to engineer a custom-tailored Mechanical and Chemical solution to achieve the project goals:

- Perform incident free operation (IFO).
- Mechanically and Chemically clean 27 miles of 10" pipeline to remove contaminate.
- Chemically treat the internal pipe wall with corrosion inhibitor and monitor critical points to validate the effectiveness of treatment program.
- Maintain an overall project budget.
- 24-hour operations

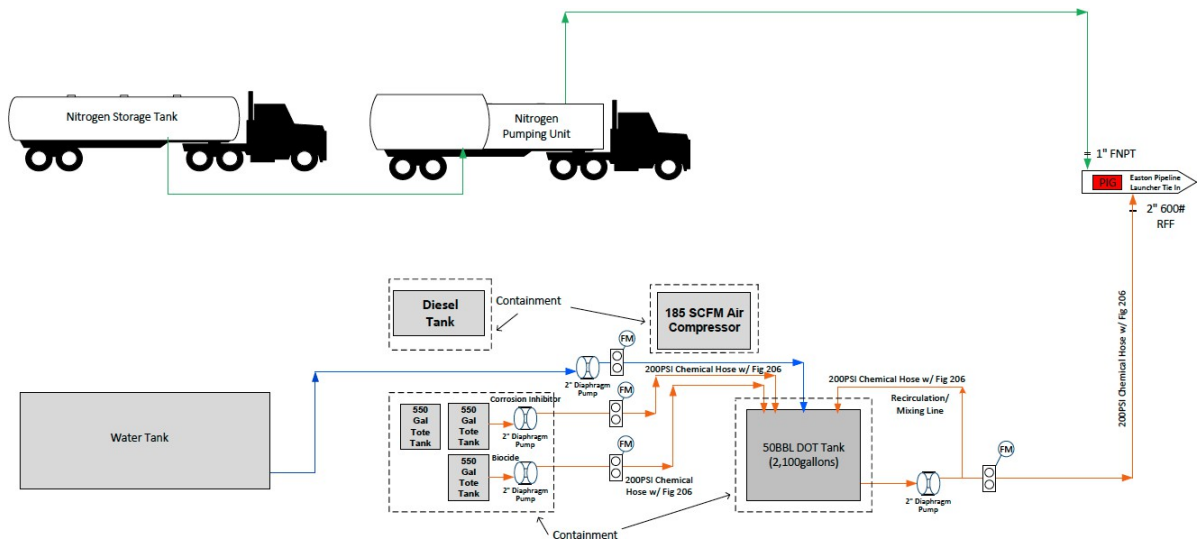


RESULTS

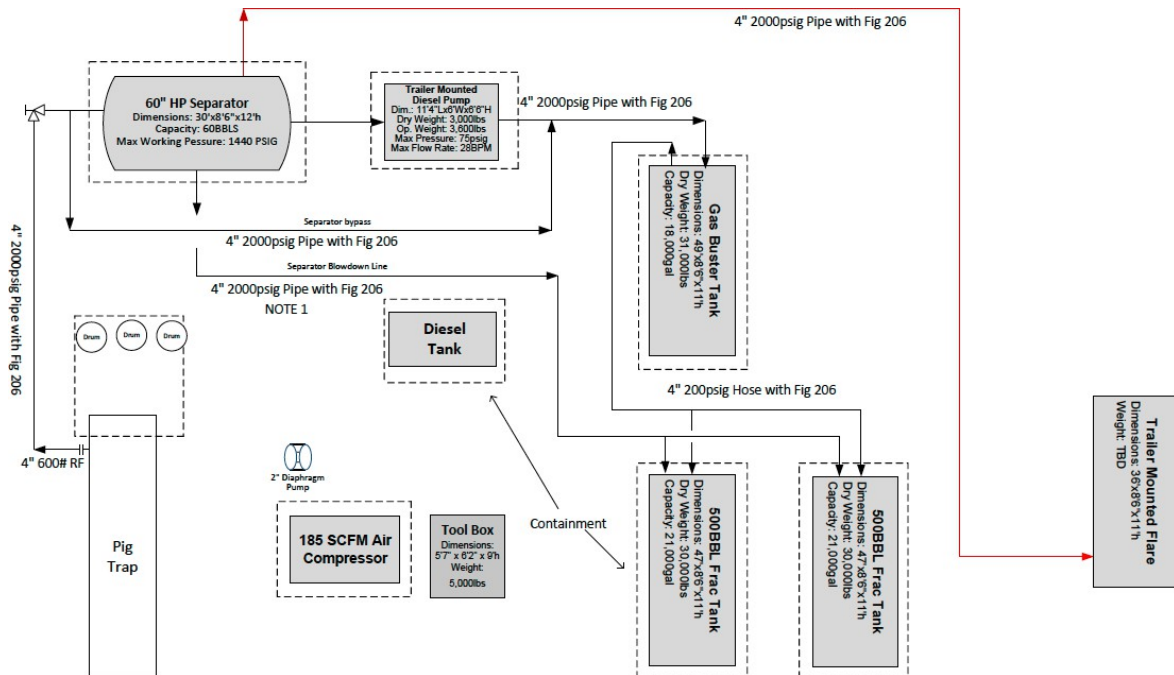
Baleen Process Solutions and ChampionX completed the cleaning, pigging, pig tracking, corrosion treatment, and nitrogen compression requirements while meeting all project goals. We successfully designed, planned, and managed with ChampionX's midstream services group for a 24-hour service over a period of 20+ days to ensure this large capital project was a success. Baleen and ChampionX team remained nimble as on-site conditions required additional Mechanical and Chemical treatment and our team completed the project accident and incident-free over the 20+ days. Baleen Process Solutions | ChampionX Midstream consulting teams travel to understand our customers' systems first-hand, providing support where and when needed.



Process Flow Pumping



Process Flow Receiving



2720 West Willow Street
 Scott, Louisiana 70583
 North America 504 520 9494
 International 281 723 1109

baleenprocesssolutions.com

Simple Solutions to Complex Challenges



This document is provided on an “as is” basis without warranties of any kind. BALEEN PROCESS SOLUTIONS, LLC DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR SUITABILITY FOR ANY PURPOSE, TITLE,

AND NON-INFRINGEMENT. While reasonable care has been taken in the preparation of this document, Baleen Process Solutions does not represent or warrant that the contents of this document are accurate, complete, reliable, current, or error-free.

© 2018 Baleen Process Solutions. All rights reserved.