



Case Study

Improving Environmental Sanitation Results at a Pet Food Manufacturer



CHALLENGE

A pet food manufacturing company in the Midwest was struggling to control environmental microbial growth at their raw processing center which uses a High Pressure Pasteurization process. The plant had environmental *Listeria monocytogenes* counts as well as poor ATP Swab results. The plant decided to switch chemical providers, and transitioned to Hydrite.

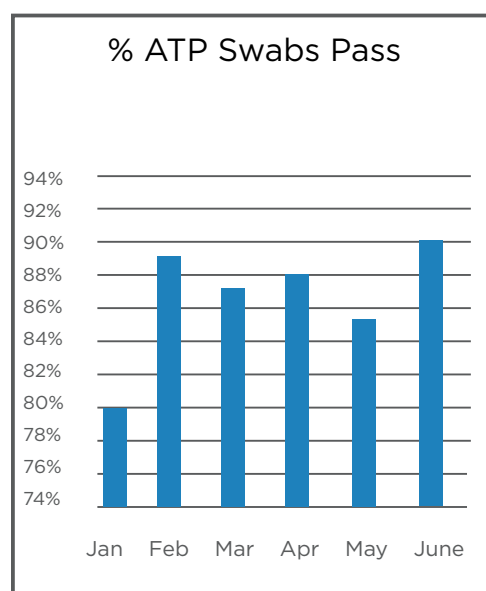
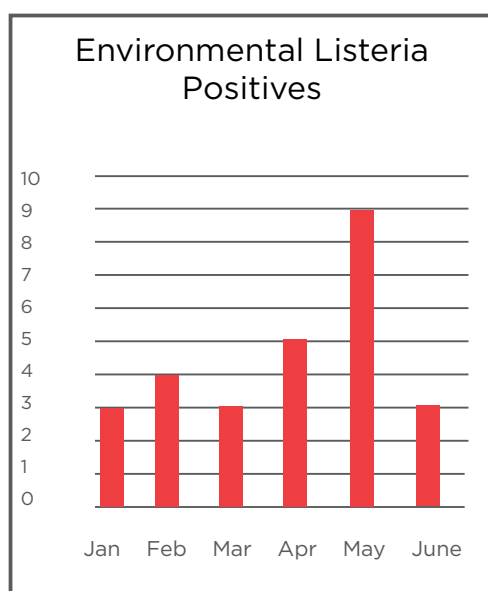


Figure 1 (a). Environmental *Listeria* counts in the months leading to the Hydrite Chemical Co. transition. (b). ATP Swabbing results leading up to the Hydrite Chemical Co. transition.



DEVELOPING A PROGRAM

Alkaline

Hydrite and the customer implemented a cleaning and sanitizing program centered around the use of **Summit No. 287**, a high-foaming chlorinated alkaline detergent that demonstrates a long clean time that aggressively targets fat and protein soils commonly found in pet food and meat processing facilities. Summit No. 287 was followed with a quaternary ammonium based sanitizer (**Multiquat No. 455**) on a daily basis.

Acid

An acid cleaning procedure was implemented using **Vibrant No. 173** and is performed on a weekly basis.

Drains

A separate procedure was developed to target the plant's drains. This procedure once again used **Summit No. 287** to target fat and protein soils in the drain. In this case, Summit No. 287 was followed with a unique sanitizer, **Sterilex Disinfectant**, which has proven effective in drain applications.





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The cleaning procedures and chemistry utilized by Hydrite Chemical Co. at the pet food manufacturing plant resulted in a significant improvement in both environmental *Listeria monocytogenes* positives as well as ATP Swab results. Due to the strong results, the plant implemented similar procedures at their raw grind facility.

Figure 2 and **Figure 3** show the resulting *L. monocytogenes* and ATP Swab results before and after the implementation of a Hydrite Chemical Co. program.

Figure 2

Environmental Listeria Positives

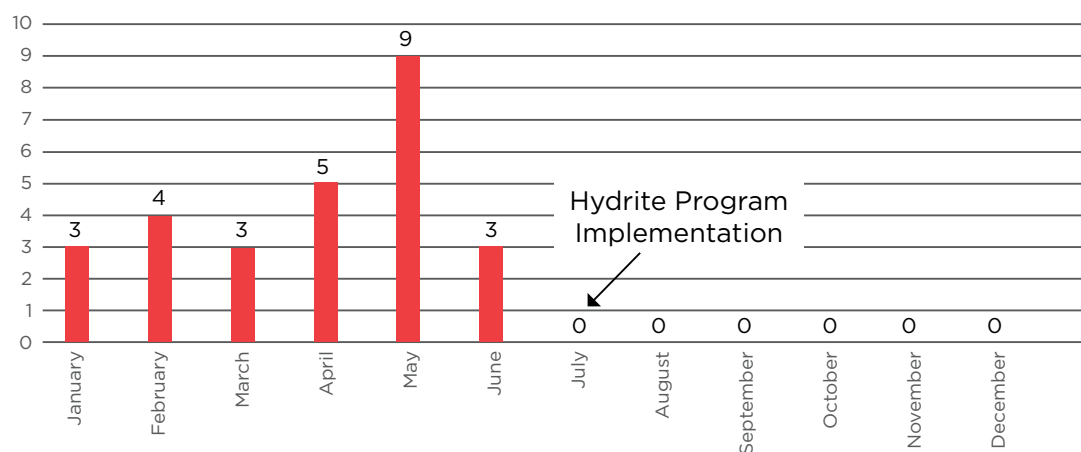
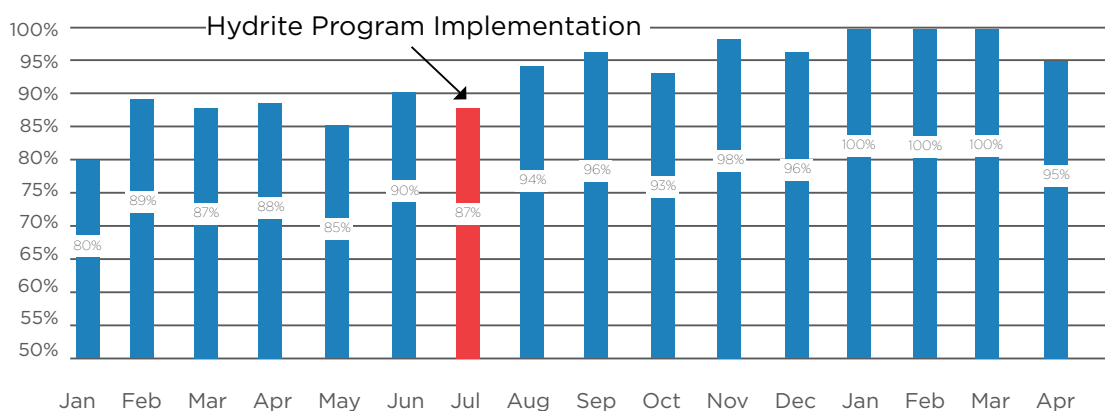


Figure 3

% ATP Swaps Pass



RESULTS

Contact us at www.hydrite.com or marketing@hydrite.com to learn more.