



Burriss Logistics Utilizes eMaint X3 to Help Comply with OSHA Process Safety Management Regulations

Background:

Burriss Logistics has an 84-year history of operating a network of frozen food warehousing and distribution systems in the Eastern United States. Burriss offers a range of services including Supply Chain Analysis, Freight Management, Consolidation Programs, Warehousing and Inventory Management. The Lakeland, Florida plant handles product refrigeration in its 120,000 square foot facility. Doug Lillie joined Burriss as Plant Engineer after fifteen years' experience in refrigeration within the Juice Processing industry. Brad Edwards, Chief Forklift Mechanic, began his career repairing engines in the marine industry for 20 years prior to joining Burriss four years ago.

Challenge:

Before eMaint X3, warehouse maintenance was documented in cumbersome spreadsheets. Key features that Burriss required from a CMMS were a centralized database of all parts and equipment, a complete history of work performed, meter-based preventive maintenance schedules with timed notifications of work due, and labor tracking to help manage overtime. Measuring failure rates of a new fluorescent lighting system was also desired to ensure vendor quality and warranty. Most importantly, Burriss needed to comply with OSHA Process Safety Management standards which consist of fourteen elements requiring specific documentation.

"eMaint X3 provides automated reminders of upcoming inspections, Safety Team Meetings and the documentation needed to comply with OSHA Process Safety Management Regulations."

Doug Lillie
Plant Engineer
Burriss Logistics

Implementation:

Corporate had elected to implement eMaint X3 at select locations in 2009 and later rolled it out to five additional plants in 2011. The team at Burriss established equipment records and PM schedules in eMaint for all compressors, valves, condensers, forklifts, and forklift parts. To meet Process Safety Management compliance, the team also defined tasks and automated email reminders to alert when OSHA documentation needs to be updated, when Safety Team Meetings are scheduled, and when safety-related PMs need to be performed. In addition, the system aids in the OSHA Mechanical Integrity Element by providing specific information on all equipment, manufacturer recommended specifications, and inspections based on asset type. For example, ammonia detectors in the facility are set up for either monthly or quarterly inspections, based on detector type, while refrigeration equipment follows meter-based schedules.

Benefits/Results:

- Meter-based PMs allow for maintenance of material handling equipment based on utilization, reducing risk of failure caused by overextending hours of usage.
- Supports OSHA compliance with triggered email notifications when documentation needs to be updated or PMs need to be performed.
- Established reorder points that trigger notifications when critical parts need to be reordered.
- Calendar-based PMs established for inspections of ammonia detectors based on asset type.