

I PRO 345

Improving Food Packaging Processes Land O'Frost, INC.

Objective

The purpose of this I PRO was to better understand the interdependent relationship of the Formulation process and its impact upon through time, productivity, and quality. Inefficient utilization of available resources not only costs the company fortunes, but also affects the market adversely. The team looked to implement improvements to Land O'Frost, using the 5S methodology, by optimizing their Formulation and increasing productivity and efficiency while reducing cost.

Basic Organization and Tasks

I PRO 345 delegated responsibilities to two groups; the plant layout group and the tool organization group. During the first half of the semester, the tasks that the plant layout group worked on were: observing machine size and floor space, recognizing input and output locations, and tracking individual products through the Formulation process. The tool organization team focused on cataloging tools used in the plant, noting their current storage location, the frequency of their use, and employee preference between tool varieties. The latter half of the semester involved analyzing the data and creating a floor plan and making recommendations for the most efficient tools and the best storage locations.

Accomplishments

Accomplishing our goals to a high degree, I PRO 345 made significant progress. A floor plan, recommendations for the most efficient tools, and storage locations were presented to the sponsor.

Conclusion

The plant layout group observed heavy traffic flow in the north room in Formulation. By rearranging machines optimally, the team presented a more effective plant layout to Land O'Frost. The tool organization observed the tools in the Formulation area, and discovered several areas where tools are used that could be modified to increase productivity and organization.

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