

Sanitation Process Evaluation & Control System



A service designed to enhance your plant's total sanitation performance and meet new challenges such as:

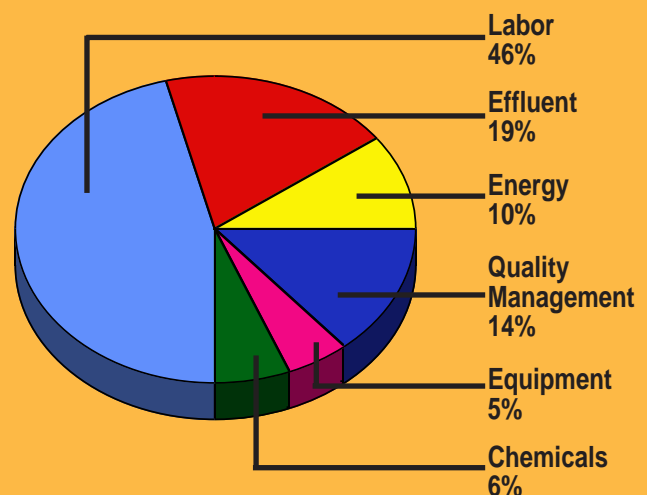
- ✓ High consumer expectations
- ✓ Regulatory requirements
- ✓ Operating expenses and cost control
- ✓ Employee training and safety issues
- ✓ Overall management effectiveness
- ✓ Continuous improvement goals

The Sanitation Process Evaluation & Control System (SPECS)

SPECS is a PC-based work scheduling tool designed to maximize your sanitation resources. By critically examining your process work flow, SPECS can improve:

- **Labor Efficiencies**
(normally the largest portion of your total sanitation costs).
- **Documentation of cleaning requirements.**

It provides management with the means to identify, quantify, schedule, assign, and follow-up on a full shift's work to each employee and balance labor resources against measured work demands.



The SPECS Program in Action

Before SPECS

Documentation

- All cleaning tasks supporting the work activities of 85 sanitation employees in a sausage plant were in the memory of one sanitation supervisor and hand written on three sheets of paper.

Labor Efficiencies

- In a poultry processing plant the headcounts and work assignments of the clean up crews became enlarged and unbalanced over the years.
- Major brewery used labor standards developed by industrial engineering department for cleaning of their filling and packaging areas. Ecolab asked to evaluate and document cleaning practices to ensure the microbial integrity of product.
- Potato processing plant performed "major" (shut-down) clean up every two weeks. Plant needed to improve documentation and extend "major" clean up from two to every three weeks. Goal was to gain additional run time while maintaining quality.

Quality Assurance/Regulatory Compliance

- Retort operation performing periodic/long-term cleaning on an "as needed" basis. Overhead and peripheral areas cleaned as internal inspections identified needs or requests from regulatory personnel.

Safety

- Many plants experiencing employee injuries, poor cleaning efficiencies and damage to equipment due to improper chemical applications.

Results with SPECS

Ecolab identified 53 work areas, listed daily cleaning requirements in sequence to include tools, chemicals and labor requirements. Ecolab provided a comprehensive listing of all long-term cleaning tasks with a weekly print-out to assign tasks and document work completion.

Ecolab evaluated and quantified actual work requirements. Analysis showed the average employee work area contained 2.9 hours of work. Work area boundaries were expanded or merged to fill the available paid hours. Plant now pre-assigns a full shift's work to each employee.

Ecolab documented and quantified cleaning requirements. Cleaning practices were floor-tested and microbial monitoring performed. The results indicated the plant could effectively clean the filler/packaging area using 42 percent less labor than specified by I.E. standards. The plant adopted SPECS values for internal staffing and budgeting.

Ecolab evaluated and augmented existing cleaning practices. Some equipment modified to increase cleaning accessibility. Employees trained relative to new cleaning techniques. Plant achieved three, then four week interval between "major" clean up. Plant reported added run time was worth nearly \$5.0 million annually.

Ecolab conducted a wall-to-wall, floor-to-ceiling inventory of plant to identify periodic cleaning requirements. Tasks were organized, quantified, and frequencies determined and assembled into a "PM" format. Plant is now more pro-active and improved compliance to GMP and HACCP.

Ecolab conducts a thorough analysis of cleaning requirements and documents task-specific chemical applications, quantities to be used and describes how to achieve proper concentrations.

ECOLAB FOOD & BEVERAGE DIVISION

Ecolab Inc., 370 Wabasha Street N.
St. Paul, Minnesota 55102-1390 U.S.A.
1-800-392-3392

© 1997 Ecolab Inc. Printed in U.S.A. All Rights Reserved.

