

A STUDY IN WATER CONSERVATION

TradeWinds Island Resorts



Reduced Water Consumption 35%

- **20% Linen Re-use Program**
- **10% Linen Control—Green Sheeting**
- **5% Washer Load Controls**
- **Chemical Controls**
- **Service Expectations**



Chemical Controls

- Wash Formula
- Target Formulas



Wash Formula Overview

- **Pre-rinse**
- **Wash Cycle**
- **Chlorine Bleach vs. Non-chlorine**
- **Tallow vs. Linear Alcohol Detergent**
- **Three Rinses**
- **Finishing**



Target Formulas

- **Cold vs. Hot Water (160° Degrees)**
- **14 Different Formulas: Heavy vs. Light Soil**
- **Reduce/Combine Formula Steps**
 - Pre-rinse with Wash and Rinse with Finishing
- **Increase/Decrease Formula Time**
 - Increase Exposure vs. Decrease for Turnaround
- **Increase/Decrease Spin Time**
- **Cold Water Rinses and Soft Water a Must**

Service Expectations

- **Change Vendors Regularly**
- **Titrate, Titrate, Titrate**
- **Responsiveness**
- **Education**



Not Uncommon to Change Vendors

- **Pumps Are Up To Date — New Equipment**
- **Holds Service Reps Accountable**



Titrate, Titrate, Titrate

- **Appropriate Chemical Levels**
- **Current Formulas**
- **Adjust Formulas and Water Levels**



Responsiveness

- **135 lb Washer Uses 2 Gal/Pound Linen**
- **Slow Response Creates Uncertainty**
- **Formula Development**



Education

- **Annual Staff MSDS/Chemical Training**
- **pH Validation**
- **Knowledge of New Products and Systems**

