

Food Safety Kaizen Sheet

Hindustan Coca-Cola Beverages Pvt Ltd

Kaizen Title: Compliance to Personal Hygiene by implementing Engineering Control

Project Start and Finish Dates:
03-03-2019 to 10-03-2019

Plant Name & Location:
HCCBPL, Bidadi Greenfield, BIA, Ramanagara, Karnataka

Category (Tick as applicable): Reactive

Proactive

✓ Innovative

Problem Statement with Status: Irregularity in handwashing by food handlers before entering the production area

Implementation Area: Filling hall access entry door

Improvement Target:

Ensuring 100% compliance to handwashing by all food handlers before entering production area

Causes of the problem:

1. Behavioral Issue of the personnel entering production hall
2. No Engineering control to generate/ emphasis the need for handwashing

Root Cause: No Engineering control in place to generate the need for handwashing and ensure compliance

Possible Countermeasures to eliminate Root cause:

1. Install 'Hand Wash Detection Unit'
2. Install 'Facial Recognition System' for Monitoring
3. 'Hand wash station interlocked with sliding door' and voice command.

Final Countermeasure:

"Hand wash station interlocked with sliding door and voice command with visual display"

Problem Before Counter Measure



Access Card Entry to Production Hall



Motion Sensor based sliding door



Entry to Production Hall

After Counter Measure



Sliding door doesn't open based on motion sensor



Sliding door opens based on activation of pressure switch due to flow of water during hand wash

Scope & Future Plan where this improvement can be implemented:
Replication done in other manufacturing facilities of HCCBPL

Benefits/ Results after Implementation:

i. Qualitative:

- 1) Improved Awareness on Personal Hygiene
- 2) Hand wash becomes a habit to all employees before entering production hall

ii. Quantitative:

Decreased trend in falling of hands swabs analyzed

iii. Standardization of countermeasures:

What:

- 1) Work Instructions & Monitoring System Updated
- 2) Specification sheets & process parameters

When:

- 1) Quarterly
- 2) Weekly

Who:

- 1) Maintenance Executive
- 2) Microbiologist

Where:

- 1) Handwash station Interlock and voice command
- 2) Logbook

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TEAM MEMBERS



MD Sharif



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