

Part 3: Operating a Blending Facility

Session 3.8 Maintenance, Safety, and Housekeeping

Plant maintenance

Maintenance means that you will preserve the condition or the state of the plant.

- >> Longer life span of blending plant
- >> Avoiding accidents



Types of plant maintenance



Routine Maintenance

Preventive, done daily and weekly



Planned Maintenance

Large scale, done by specialist



Corrective Maintenance

Repairs and replacements



Predictive Maintenance

Used to plan maintenance

SafetyCulture

How to maintain this?



General maintenance advice



- Ensure that only **skilled staff** should operate and maintain the plant.
- Ensure that staff are **trained** by the plant manufacturer and are **involved** during the installation and commissioning.
- Keep the plant **clean** and **devoid of obstacles** that can hinder its operation.
- **Remove all products stuck** within crevices and along the blending or bagging line pathway in a manner that will not affect the structure of the plant. Use an air compressor for dry products and a rag for wet or caked products.

General maintenance advice



- **Re-circulate a good cleaning agent** through the pumping system of liquid impregnators to clean it out.
- **Check the fastenings and mountings of all moving parts** and parts prone to vibration. Any looseness, restricted motion or deviations should be noted and reported.

Plant and general safety



Plant and general safety guidelines

- Have safety Standard Operating Procedures (**SOP**).
- Give **toolbox talks** every shift.
- Practice the **safety-first principle** in carrying out every activity.
- Position standard **safety signs** at designated points and must be visible to all.
- Ensure everyone **understands** the safety classification systems.



Housekeeping



- Housekeeping is not just cleanliness
- It includes:
 - keeping work areas neat and orderly
 - maintaining halls and floors free of slip and trip hazards
 - removing of waste materials and other fire hazards from work areas

Part 3: Operating a Blending Facility

Session 3.8 Maintenance, Safety, and Housekeeping