

INTRODUCTION TO CHEMICAL MANAGEMENT FRAMEWORK

November 2017

LEARNING OUTCOMES & RESOURCES



Learning Outcomes



Introduction to the Chemical Management Framework.

Resources



REMC Company Handbook.

Workbook



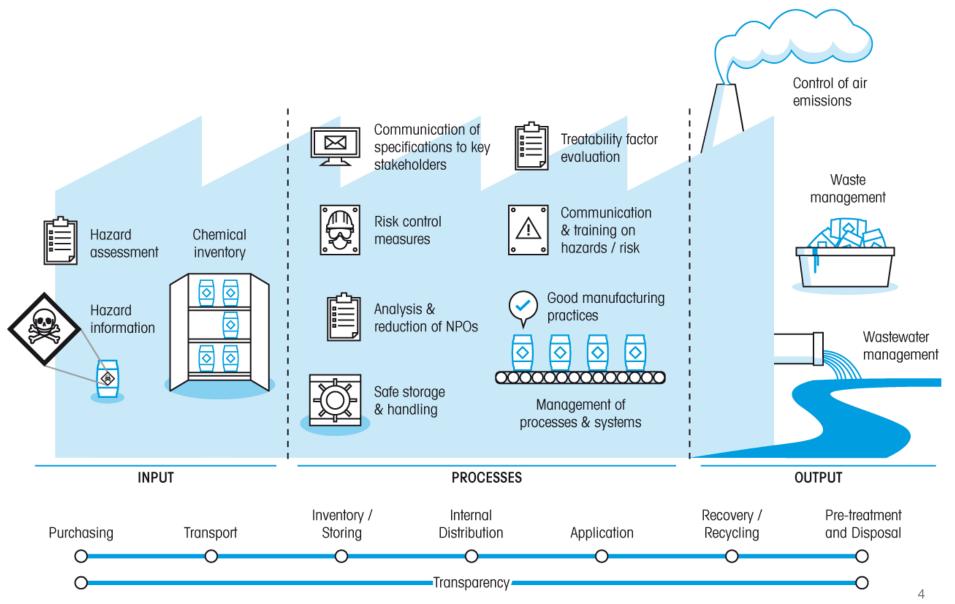
Refer to complimentary excercises in your workbook.



Introduction To Chemical Management Framework

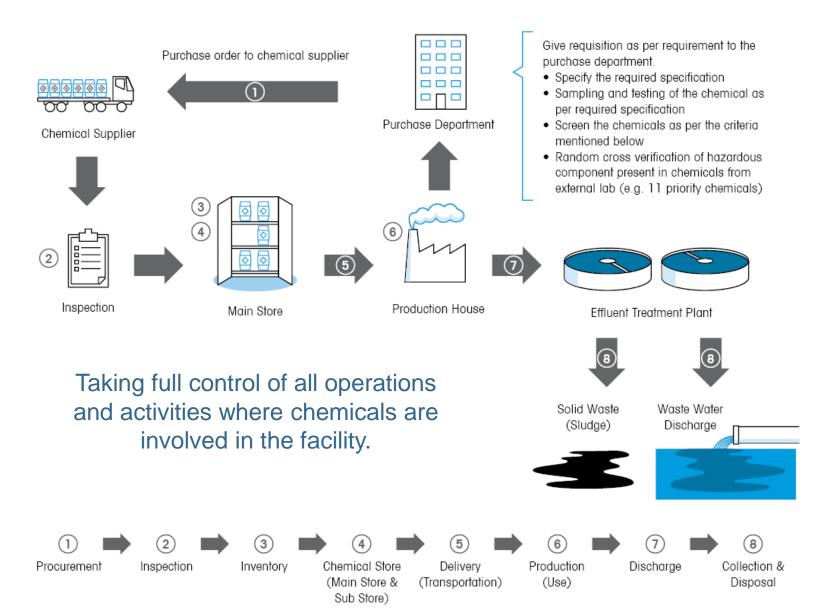


CHEMICAL MANAGEMENT IN YOUR FACILITY



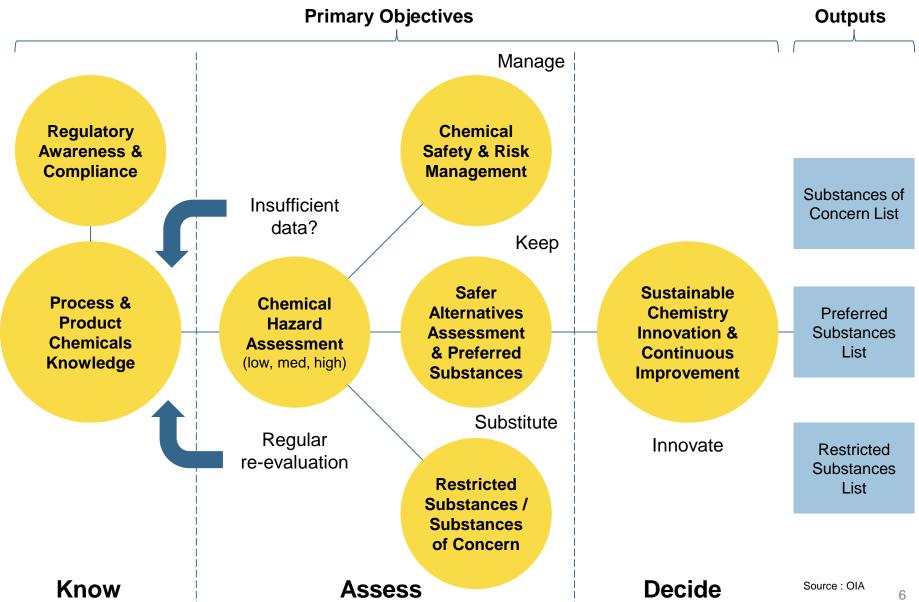
P

CHEMICAL MANAGEMENT SYSTEM



OBJECTIVES FOR A CHEMICAL MANAGEMENT SYSTEM





Version 1.4



What are the benefits of a Chemical Management System?

BENEFITS OF A CHEMICAL MANAGEMENT SYSTEM AND RESOURCE EFFICENCY





Maintain a license to operate



Access to global market



Maintain a competitive advantage



Minimise excessive or replicative chemical purchases/consolidate chemical purchasing



Reduction in costs by reducing waste/overages



Enforce chemical managing knowledge by expert or certified trainer



Reduce down time by creating a safer work environment



Stop potential hazards before they become an issue



Helps facilities ensure that RSL compliant materials are being produced; becomes invaluable in tracking down issues if they do arise



Traceability of chemicals in the supply chain



Reduction of chemicals can result in loading reduction in ETP

EFFECTIVE IMPLEMENTATION OF MANAGEMENT ACTION PLAN (MAP)



Steps for the effective implementation of a Management Action Plan:



Document the improvement area

Identification of improvement areas for your facility at the point of assessment in order to control input of chemicals and substitute hazardous chemicals in production processes.

Analyse the improvement area

Analyse the root cause of an improvement area to develop the most appropriate Management Actions.

Define the Management Actions (MA)

Formulate the most appropriate MA to an improvement area.

Create ownership to MA

Assign the responsible persons and deadlines to each MA.

Implement the MAP

Implement the MAP with the help of your Chemical Management System Team.

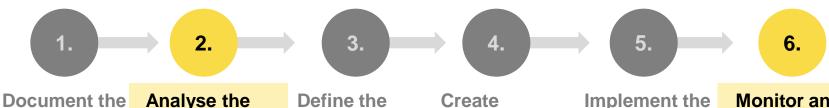
Monitor and review MAP

Systematically monitor the progress on implementing the MAs, monitor effectiveness of implemented actions and review the MAP in case any modification is required.

UTILISING YOUR MAP DURING OUR TRAINING



Steps addressed during the training and visits:



Document the improvement area

Identification of improvement areas for your facility at the point of assessment in order to control input of chemicals and substitute hazardous chemicals in production processes.

Analyse the improvement area

Analyse the root cause of an improvement area to develop the most appropriate Management Actions.

Define the Management Actions (MA)

Formulate the most appropriate MA to an improvement area.

Create ownership to MA

Assign the responsible persons and deadlines to each MA.

MAP

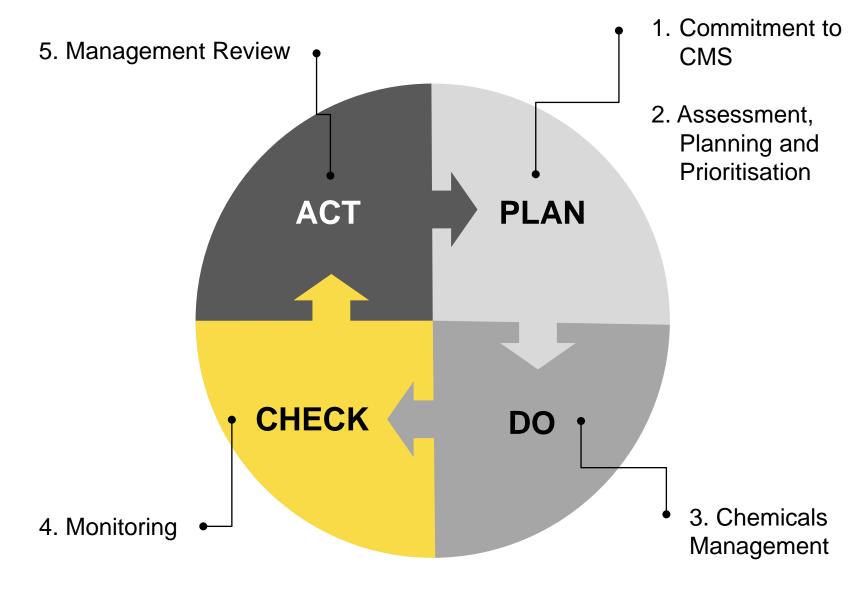
Implement the MAP with the help of your Chemical Management System Team.

Monitor and Review MAP

Systematically monitor the progress on implementing the MAs, monitor effectiveness of implemented actions and review the MAP in case any modification is required.

PLAN, DO, CHECK, ACT





AREAS OF ATTENTION



PLAN

ACT

Communication and reporting.

Legal register.

- Brand requirement.
- Material flow accounting.
- Chemical inventory.
- Chemical risk analysis.
- Specification of input chemicals.
- Production planning.
- Hazard risk and mapping.

CHECK

Performance assessment.

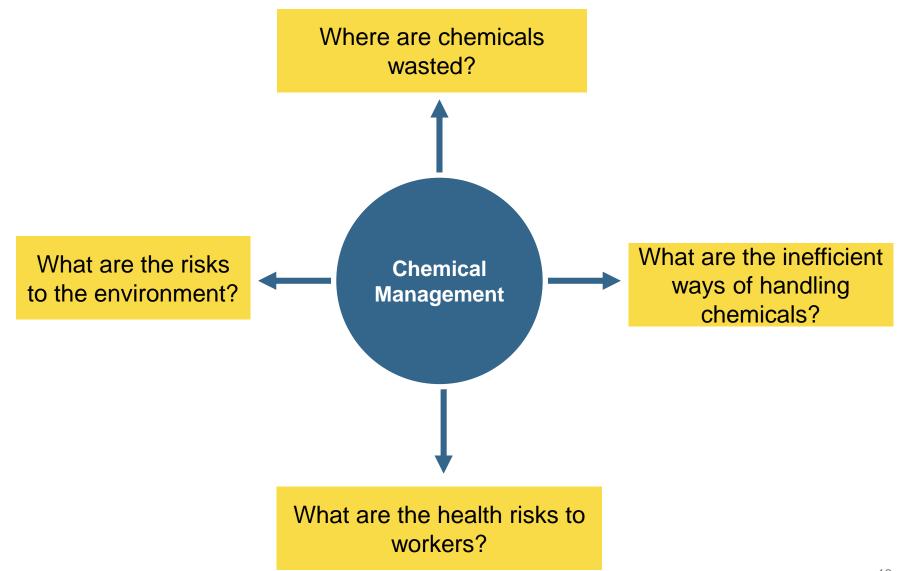
Chemical management issues and elements

DO

- Emergency preparedness and response planning.
- Chemical risk management action.
- Providing training and creating training awareness.







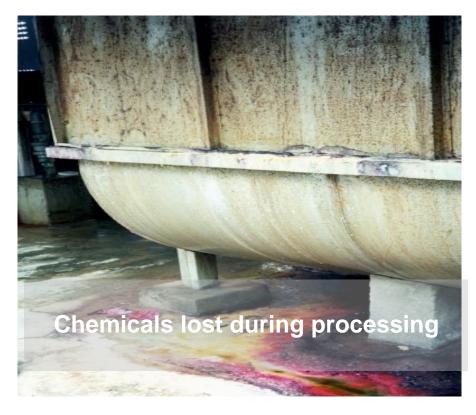


In which processes get chemicals potentially wasted in facilities?



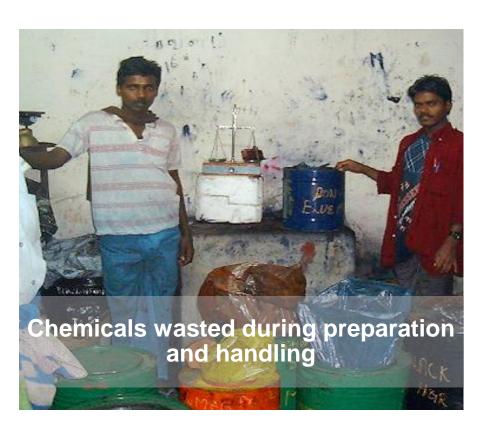














ACTIVITY





REFLECTION

Conduct the assessment.
Workbook, exercise (1-1).

Team-up with colleagues of Your facility.

Assess the maturity of the Chemical Management System in Your facility.

Open To Questions

SUMMARY



Every participant to feedback one key learning from this session.



Take notes in your workbook, exercise (1-2).