





Define <u>in-house responsibilities</u> for specifying and checking safety measures:

- Guaranteeing the efficiency of each plant unit
- constant monitoring of the tightness of the whole plant as well as the efficiency of the safety equipments
- Documenting in writing all regular checks that has taken place





In case of <u>Accidents/emergency</u>:

Report any accidental release of substances hazardous to water to the local authority or a central office immediately

Significant failure in the normal operation of the plant must be documented and evaluated

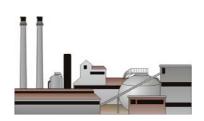
Prepare a detailed report on the causes and consequences of an industrial accident to be submitted to the local authority. This report must also state measures to prevent any repetition

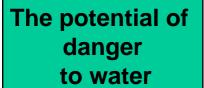
Using the checklists when there is a failure in the normal operation of the plant











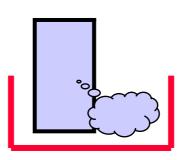
Properties of substance



Sources of release

**Emergency** scenarios

**Plant Design** 



Protective precautions

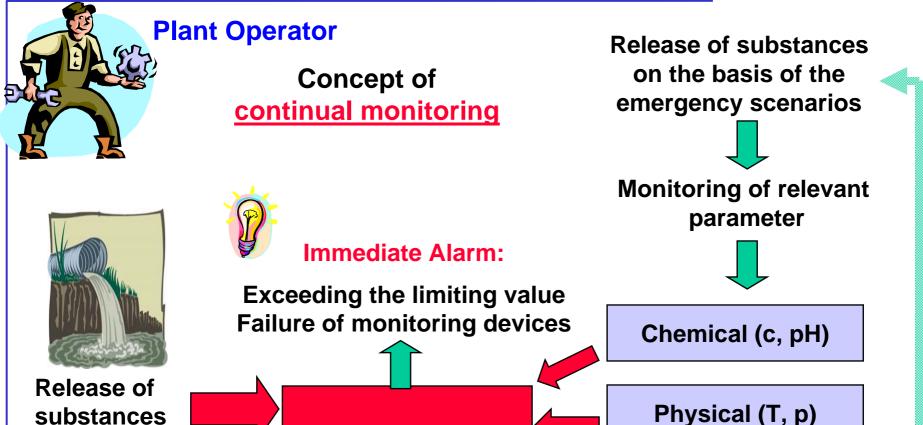
**Plant Design** 



Need for protection

Sensitivity of the environment





**Monitoring devices** 

Changing the Emergency scenarios as the case may be

Biological (Bacterial toxicity)



**Plant Operator** 

In-house monitoring measures

Location: at such spots where the release of substances hazardous to water should be prevented

Aim: immediate detection → Initiating of counter-

measures is immediately possible

Focus is on plant components where substances hazardous to water can be released



Countermeasures

**Detection** 







In-house checks (Sampling)

or

Checks conducted by external experts



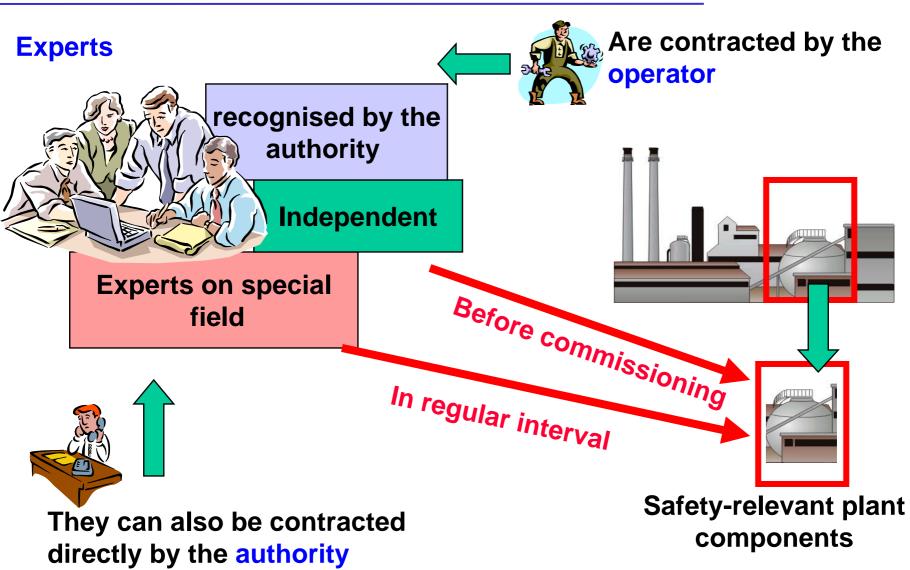
ensuring that plant operators live up to their responsibility in regard to plant monitoring

Checking to know if:

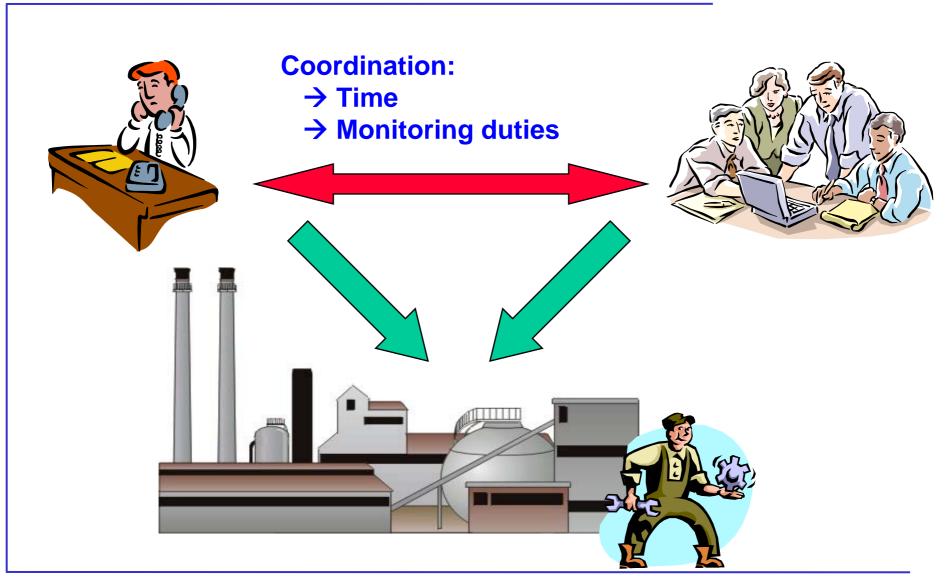


- the operator contracted experts to do the monitoring
- certain requirements should be met as a result of the check













- → accidental discharge of substances hazardous to water
- → through measuring and Alarm
- → regional und inter-regional detection and control