



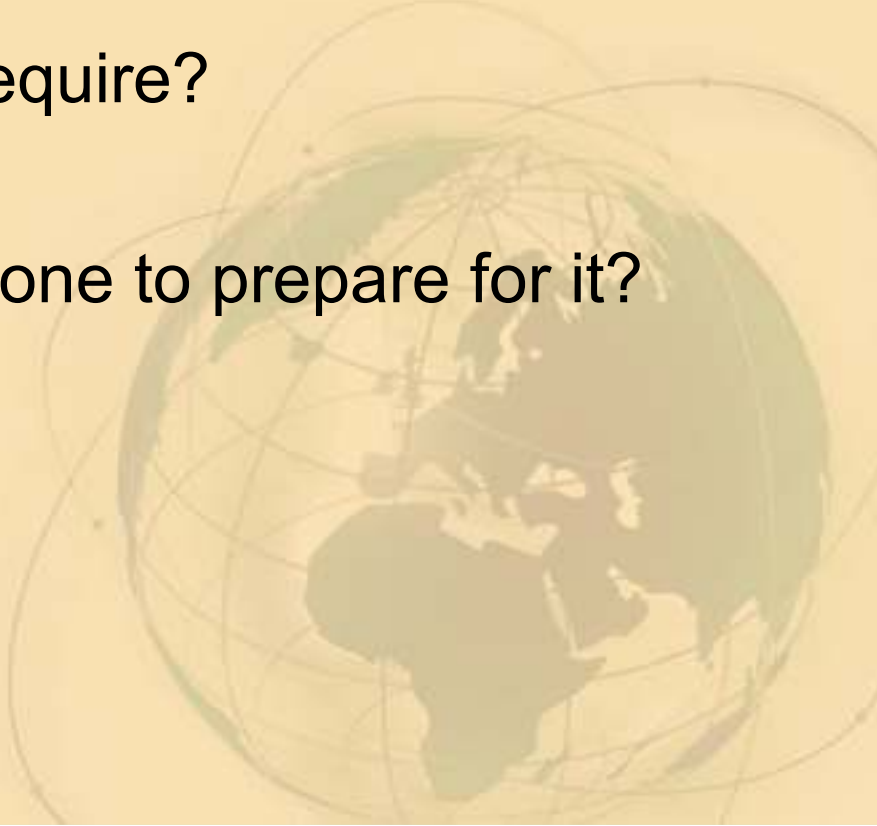
Extractive Industries Waste

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Directive 2006/21/EC

- What is the Mining Waste Directive?
 - Who will it apply to?
 - What does it require?
 - What can be done to prepare for it?
- 

What is the Mining Waste Directive?

- Mining Waste Directive
- Minerals Waste Directive
- Directive on the management of waste from extractive industries



What is the Mining Waste Directive?

- A legal requirement to manage waste safely
 - Environment
 - Health and Safety
 - Seveso, 1976
 - Aberfan, 1966

- ...it is also designed to encourage waste minimisation



Who or what will it apply to?

- All on-shore sectors of mining and quarrying industry
- Prospecting, extraction, treatment and storage of mineral resources and the workings of quarries
- ...that produce extractive waste
- Not to wastes already covered by other European legislation e.g. office waste, machinery maintenance waste.



Extractive Waste

- Includes:
- anything you don't have a market for
- anything you don't have a planned use for
- materials you have a planned use for but no timescale for that use



Classification of facilities

Category A facility

- a) waste classified as hazardous is above a certain threshold, or
- b) it contains substances or preparations classified as dangerous above a certain threshold, or
- c) a failure or incorrect operation could give rise to a major accident (based on risk)

Non hazardous, non-inert

e.g. coal dump [unless c) above, applies]

Inert, unpolluted soil and peat

A likely Category A Facility?

- Discard Dump and Slimes Spillage





Requirements for different categories of facility

Category A

Permit – to include:

- financial guarantee or equivalent
- waste management plan
- possibly an EIA
- Major-accident prevention policy and safety management system

Non-hazardous, non-inert

Permit – to include:

- financial guarantee or equivalent
- waste management plan
- possibly an EIA

Inert, peat, uncontaminated soil

Waste management plan only



Waste Management Plan

- A description of the waste, its classification and estimated total quantities
- Process description and system for transport
- Control and monitoring procedures
- Description of potential detrimental impacts and measures to minimise them



Waste Management Plan

- Closure plan and after-closure procedures
- Measures to prevent water, air and soil pollution
- Survey of the condition of the land to be affected by the '*waste facility*'
- To be reviewed every 5 years



'Waste facility'

- Is an area designated for the accumulation or deposit of **extractive waste** (solid, liquid or in suspension/solution)
 - Cat A, no time limit
 - > 6 months for 'unexpected' haz waste (!)
 - > 1 year for non-haz non-inert waste
 - > 3 years for unpolluted soil, peat and inert waste



Preparing for the Directive

- Engage with the QPA and contribute to consultation discussions
- Re-assess your waste handling and storage procedures
- Don't become a Cat A facility if you don't produce hazardous waste!!
- Review your waste minimisation potential
- Ask for simple checklists and guidance
- Don't re-invent the wheel, but do help the regulators!

No 2 Shaft...



Pollution caused by materials handling



Thank you!

