

sift: Contaminated sites in Norway

Status and policy

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Strategy for contaminated soil

- Contaminated sites shall not pose a risk of pollution
- 3 year soil remediation project completed in 2005 for 87 of 93 most seriously contaminated sites
- Need for investigation for 508 of 510 areas
- New sites have been identified
 - Approximately 360 sites are heavily contaminated

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Number of heavily contaminated sites

Year	Contaminated soil	Landfills	Municipal landfills	War remain
2004	240	180	120	15
2005	210	150	115	10
2006	180	100	85	10

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Status for contaminated sediments

- High levels of pollutants in seabed sediments
- Advice against consumption and/or restrictions on sale of fish/mussels in 31 areas



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Strategy on contaminated sediments

- Part of an overall effort
- County action plans
 - Environmental quality level
 - Degree and extent of pollution
 - Sources of discharges
 - Effects and costs of measures
 - Current solutions
 - Stakeholder and plan for financing cleanup operation

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County action plans

- Started with 29 of the most polluted areas
- More detailed plans for 17 areas



- Ongoing work in 9 areas
- By 2009 – the remaining areas

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Disposal sites for contaminated sediments

- Difficult to find
- Local opposition by neighbours or NGOs
- Deep- and shallow water disposals
- Hazardous waste plant

Mothers against dumping



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Challenges in cleanup operations

- Gaps in knowledge
- Technological challenges
- High costs
- Lack of clarity about liability
- Handling of polluted dredged material



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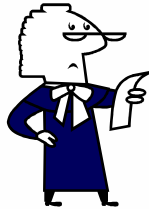
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Experience from the cleanup operation in the Port of Oslo

- Local opposition to dredging and establishing of a deepwater disposal site
- Clear NIMBY-effect (Not in my backyard)
- Well organised opposition has shaped the agenda. Difficult to get relevant message across
- A challenge to communicate such a big cleanup project

Legislation

- No unauthorized excavating of contaminated soil
- Non unauthorized dredging or dumping of sediments
- Permission under the Pollution Regulation may be given



Polluter pays principle

- Basis for dealing with pollution in general
- Use of orders
- Joint venture