Seafish Technology

REPORT ON LEEDS CONFERENCE

DEVELOPMENTS IN POLLUTION CONTROL LEGISLATION

Seafish Technology

Internal Report No. 1396

February 1990

W. Lart

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This one day conference was attended by approximately 40 delegates, most of whom came from industries with effluents discharging into the air and aquatic environment.

The seven speakers described developments in pollution control. These ranged from changes in pollution legislation to companies taking on board 'green issues' as a part of their image. The effect of these changes should be improvements in the information available to the public on environmental matters. Structural changes within Her Majesty Inspectorate of Pollution (HMIP) were also described. The report summarises the main points made by each speaker.

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- (1) An integration of the technical assessment of the discharge media, i.e. the plant operators assess their total input into the environment rather than separating the discharges into the various media. The outcome of such an assessment would seek to minimise the impact of a discharge through discharging into the least sensitive medium.
- (2) Integration of pollution control within plant production. This approach seeks to minimise pollution through addition of pollution abatement apparatus, as for example, Cullen Turner were persuaded to add effluent treatment works or adopt less polluting processes at their proposed plant at Boston.

We are, therefore, faced with a range of options for defining integrated pollution control. These range from simply looking at the whole output of the plant and making a technical assessment of what can be done to minimise the effects, to putting the company onto a fully environmentally aware footing.

Definition number 4 is the most urgent option, in the short term, which most agencies and companies will need to consider.

In this definition, we have the concepts of BPEO: Best Practical Environmental Option, BATNEEC: Best Available Technology Not Entailing Excessive Cost.

BPEO

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Requires companies to assess their pollution streams, providing an audited trial on how it arrives at a decision on which disposal option—air, water or land, it wishes to use. This is carried out in parallel with negotiations with HMIP, NRA and/or Local Authorities.

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This speaker opened by reference to a 'Health for all by the year 2000' declaration by the WHO. He considered that Local Authorities would be pro-active rather than responsive in attempting to meet these goals.

The definition of pollution which the speaker used was :-

"Pollution of the environment refers to the release from any process of substances capable of causing harm to man or any other organism."

This must be considered to be a very broad definition and in order to even start to take action on pollution prevention, one would have to be very well informed.

The speaker discussed the practical requirements which the Local Authorities are going to be required to meet under 'Integrated Pollution Control' these include; compiling emission inventories, setting up action plans, setting up monitoring networks, even recommending pollution abatement technology. His conclusion was that there would be a 'long slow progress' towards integrated pollution control. In the Environmental Protection Bill (Green Bill), there will be two levels at which certain processes will be controlled:-

- (i) National Control via HMIP
- (ii) Local Control with advice from HMIP

Another feature of the Bill includes the offence of statutory nuisance and the classification of offensive trades. This is perhaps indicative of the importance which the government attaches to the visible effects of pollution.

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Intensive livestock production units Salmon farming: >100 tonnes/annum Land drainage Sand and gravel extraction

If consent to discharge is required from the NRA then an EIA is a likely requirement.

The Department of the Environment lays down specific guidelines for the contents of EIA's. These are as follows:-

- (a) Description of the development.
- (b) Data necesary to identify the main effects upon the environment.
- (c) Description of the likely significant effects on :-

Humans

Soil

Water/Air

Climate

Landscape

Cultural Heritage

It was suggested that there should be standards for post graduate training. This would help prevent difficulties experienced with badly written and researched EIA's; for example the Boston Steel Mill experience.

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- 5. National Enforcement Policies
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