



APPENDIX 4-5

BNM IPC TRAINING PROGRAMME

Bord na Mona Energy Ltd
Integrated Pollution Control
Licence

TRAINING FOR WORKS PERSONNEL ARISING FROM IPC LICENSING

• Introduction by General Manager	9.00am	
• Background	9.15am	D.Wynne
• Introduction to the Environmental Protection Agency		
• Responsibilities IPCLicensing/monitoring/advising etc)		D.Wynne
• Status		
• Organisation		
• Licence application & present position		
• Tea Break	10.00am	
• Integrated Pollution Control Licence (IPCL) (discharges to water, air & land)		E.McDonagh
• Implications for Bord na Mona		
• Workshops & Yards		
• Bog Areas		
• Transport		Donal Wynne
• Environmental Management Programme		
• Annual Environmental Review (AER)		
• Lunch	1.00pm	
• Bord na Mona's Environmental Policy	1.30pm	Donal Wynne
• Environmental Management Systems (EMS)		E.McDonagh
• Planning		
• Implementation & Operation		
• Checking & Corrective Action		
• Management Review		
• BENEFITS		M.Nugent
• Codes of Practice		
• Production		
• Transport		
• Teacentres		
• Workshops		
• Polythene		
• Individual Responsibilities		
• Discussion	3.00pm	
	Approx 3.30pm Finish	

ENVIRONMENTAL PROTECTION AGENCY

ESTABLISHMENT

The Environmental Protection Agency Act, 1992, was enacted on 23 April, 1992 and under this legislation the Agency was formally established on 26 July, 1993.

RESPONSIBILITIES

The Agency has a wide range of statutory duties and powers under the Act. The main responsibilities of the Agency include the following:

- the licensing and regulation of large/complex industrial and other processes with significant polluting potential, on the basis of integrated pollution control (IPC) and the application of best available technologies for this purpose;
- the monitoring of environmental quality, including the establishment of databases to which the public will have access, and the publication of periodic reports on the state of the environment;
- advising public authorities in respect of environmental functions and assisting local authorities in the performance of their environmental protection functions;
- the promotion of environmentally sound practices through, for example, the encouragement of the use of environmental audits, the establishment of an eco-labelling scheme, the setting of environmental quality objectives

and the issuing of codes of practice on matters affecting the environment;

- the promotion and co-ordination of environmental research; and
- generally overseeing the performance by local authorities of their statutory environmental protection functions.

STATUS

The Agency is an independent public body. Its sponsor in Government is the Department of the Environment. Independence is assured through the selection procedures for the Director General and Directors and the freedom, as provided in the legislation, to act on its own initiative. The assignment, under the legislation, of direct responsibility for a wide range of functions underpins this independence. Under the legislation, it is a specific offence to attempt to influence the Agency, or anyone acting on its behalf, in an improper manner.

ORGANISATION

The Agency's headquarters are located in Wexford and it operates five regional inspectorates, located in Dublin, Cork, Kilkenny, Castlebar and Monaghan.

MANAGEMENT

The Agency is managed by a full-time Executive Board consisting of a Director General and four Directors. The Executive Board is appointed by the Government following detailed procedures laid down in the Act.

ADVISORY COMMITTEE

The Agency is assisted by an Advisory Committee of twelve members. The members are appointed by the Minister for the Environment and are selected mainly from those nominated by organisations with an interest in environmental and developmental matters. The Committee has been given a wide range of advisory functions under the Act, both in relation to the Agency and to the Minister.

BORD NA MÓNA

BORD NA MÓNA ENERGY LIMITED

ENVIRONMENTAL POLICY STATEMENT (*currently under review*)

Bord na Móna Energy Limited is a commercial semi-state body with responsibility to develop Irelands peat resources in the national interest.

Bord na Móna Energy Limited is committed to gather and make available information on all aspects of its environmental impact and to help improve understanding among the public generally of its role and of the importance of Irish peatlands.

Bord na Móna Energy Limited recognises the importance of peatland conservation.

Bord na Móna Energy Limited will leave behind all areas it owns as either an economically or socially integrated resource of a high environmental value.

Bord na Móna Energy Limited seeks to conduct all aspects of its business in an environmentally sensitive value.

Bord na Móna Energy Limited will establish an environmental management system specifically addressing the following impacts:

- Discharges to water
- Emissions to atmosphere
- Waste disposal
- Use of natural resources
- Noise, vibration, odour, dust and visual effects
- Natural environment and eco-system

The environmental management system will be monitored, maintained and continually improved.

A system of regular environmental audits will be put in place.

Bord na Móna Energy Limited will continue research and development (R & D) into all aspects of its environmental impact.

This statement is published and is available at all locations within the section and its contents are brought to the attention of all employees.

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REGISTERED IN IRELAND NUMBER: 303287

Integrated Pollution Control Licence

1. Workshops & Yards

<i>Monitoring</i>			
	<i>Item</i>	<i>Frequency</i>	<i>Condition of Licence</i>
	Surface water discharge pts.	Monthly	9.1.2
<i>Inspection & Recording</i>			
	Surface water discharge pts.	Weekly	9.1.2
	Septic tanks	Bi-annually	9.1.9
	Oil Interceptors	Weekly	9.1.9
	Overground Pipelines	Weekly	9.1.10
	Rail/Tractor service wagons	Bi-annually	9.1.12
	Waste management recording		7.3
	Complaints recording	Monthly (if any)	12.3
<i>Testing</i>			
	Integrity of Bunding	After 18mths & every 2 yrs	9.1.6
	Boiler combustion efficiency	Annually	5.1
<i>Improvements</i>			
	All tank & drum storage to be bunded	Within 12mths	9.1.4
	Drainage from bunded areas to be collected & disposed	Within 12mths	9.1.5
	Fuel loading & unloading carried out in bunded areas	Within 6mths	9.1.7
	All surface water discharges to have oil interceptors	Within 24mths	9.1.8
	Adequate supply of containment booms	Within 12mths	9.1.11
	Provision of safe access to monitoring pts.	On-going	11.8
	Identification & labelling of All emission pts	On-going	11.6
<i>Reporting</i>			
	Results of monitoring	Quarterly	9.1.2
	Notification of contamination release, incidents etc.	On-going	9.1.3, 12.2, 4.1, 4.4-4.7

Integrated Pollution Control Licence

2. Bog Areas

<i>Monitoring</i>			
	<i>Item</i>	<i>Frequency</i>	<i>Condition of Licence</i>
	Surface water discharge pts.	Quarterly	6.2
	Identification & monitoring of Dust Sensitive Locations	To be agreed	5.3
<i>Inspections & Recording</i>			
	Silt ponds	Fortnightly	6.7
	Complaints recording	Monthly (if any)	12.3
<i>Improvements</i>			
	Implementation of Dust Sensitive Location's procedure	On-going	5.3
	Implementation of 100% drainage water treatment programme	On-going	6.6
	Implementation of de-silting procedure (minimum – bi-annually)	On-going	6.7,6.8
	Implementation of silt pond up-grade programme	On-going	6.9
	1 st Nov. de-silting programme for flood plain ponds	On-going	6.11
	Implementation of Cleaner Production procedures	On-going	6.12
	Post-production bog decommissioning procedure	On-going	10.1.1
	Implementation of Cutaway Bog Rehabilitation Plan	On-going	10.1.2
	Installation of Composite sampler	On-going	6.3
	Labelling of all emission pts & provision of safe access	On-going	11.6 & 11.8
<i>Reporting</i>			
	Notification of contamination, release, incidents etc.	On-going	9.1.3, 12.2, 4.1, 4.4-4.7
	Results of monitoring	Quarterly	6.4
	Bog development & operational programme	On-going	4.7

Integrated Pollution Control Licence

3. Transport

<i>Inspection & Recording</i>			
	<i>Item</i>	<i>Frequency</i>	<i>Condition of Licence</i>
	Rail & Tractor service wagons	Bi-annually	9.1.12
<i>Improvements</i>			
	Fuel loading & unloading carried out in bunded areas	Within 6 mths	9.1.7
	Road transported peat to be covered at all times	On – going	5.5
<i>Reporting</i>			
	Results of inspections	Annually	9.1
	Notification of contamination	On – going	9.1.3, 12.2, 4.1, 4.4-4.7

ENVIRONMENTAL CODE OF PRACTICE FOR PEAT ENERGY WORKS

PRODUCTION

Silt Control

1. Ensure that properly designed silt control ponds are on all outfalls.
2. Keep silt ponds properly maintained.
3. Keep records of silt control and maintenance.
4. Deal with all complaints promptly.
5. Install weirs on all silt ponds.
6. Raise weirs during heavy rain if stock is not affected.
7. Protect manholes and keep free of peat.
8. Ensure that harrows, millers, ridgers do not drag loose peat into manholes.
9. Have outer harrow spoons directed away from drain.
10. Take precautions to prevent silt run off while piping outfalls.
11. Clean outfalls starting upstream.
12. While cleaning outfalls install barrier (e.g. poles) downstream.
13. Ditch drains in suitable weather.
14. Block outlets from field drains during stockpile loading.
15. Ditch dry peat from drain before unblocking.

ENVIRONMENTAL CODE OF PRACTICE FOR PEAT ENERGY WORKS

PRODUCTION

Dust Control

1. Identify and record sensitive areas.
2. Plant shelter belts in sensitive areas.
3. Avoid harvesting in sensitive areas during windy weather.
4. Use grassed passways for machinery.
5. Keep headlands clean - remove loose peat.
6. Slow down when travelling along dusty headlands.
7. When harvesting keep jib low on stockpile.
8. Roll final harvest on uncovered stockpiles.
9. Plant shelter belts around outloading facilities.
10. Clean road crossings after use.

ENVIRONMENTAL CODE OF PRACTICE FOR PEAT ENERGY WORKS

TRANSPORT

1. Ensure all road transport is clean and well maintained.
2. Keep entrance/exit to outloading areas clean.
3. Ensure that no loose peat remains on top of lorries.
4. Ensure all lorries are properly covered.

TEMPORARY TRACK

1. Ensure all materials are collected following lifting of temporary track.

ENVIRONMENTAL CODE OF PRACTICE FOR PEAT ENERGY WORKS

TEA CENTRES

1. Keep the buildings clean and painted.
2. Arrange for collection of garbage, scrap, waste oil and filters.
3. Ensure public road access is free of hazards.
4. Bund oil tanks.
5. Ensure septic tank is properly maintained.

ENVIRONMENTAL CODE OF PRACTICE FOR PEAT ENERGY WORKS

WORKSHOPS

1. Ensure oil storage tanks are adequately banded.
2. Have in place emergency procedures for oil spillage.
3. Recycle waste oil.
4. Keep yards clean - free of oil, dust and debris.
5. Have a designated area for scrap.
6. Use bins for garbage and dispose of in County Council landfill.
7. Keep buildings clean and painted.
8. Insulate where possible and keep doors maintained to conserve energy.
9. Landscape all open areas.
10. Ensure septic tanks and treatment works are properly maintained.

ENVIRONMENTAL CODE OF PRACTICE FOR PEAT ENERGY WORKS

Polythene

- 1. Remove any damaged or torn polythene immediately.**
- 2. Take all used polythene to designated area for collection and recycling.**