

*Bord na Móna
Energy Ltd.*

**Integrated Pollution Control
Licence Application**

ATTACHMENT NO. 14

*MONITORING & SAMPLING
POINTS*

It should be noted that the results generated for particular preliminary surface water, dust and noise assessment studies carried out for the purpose of this IPC Licence application have yielded, what are considered, 'baseline' results as neither ditching (normally occurs from September - March) nor harvesting (normally occurs from June - September) processes were taking place during the sampling events. These are critical periods during which:

- the surface water run off from industrial peatlands typically contain the greatest concentrations of peat suspended solids;
- dust emissions are greatest (during production and dry weather periods);
- noise emissions may increase (additional noise generated outside that of that associated with peat transport operations)

Bord na Móna have adopted a pro-active approach in demonstrating their environmental integrity by implementing an appropriate environmental monitoring programme for the Derrygreenagh Group. In order to assess the impact of on-site operations during the production season, various assessments which were initiated prior to submission of the IPC licence application will continue. Throughout the programme key locations and discharge points will be identified and included in the monitoring events. Therefore, monitoring locations selected for the initial environmental assessments may or may not be included in future studies. Following completion of individual surveys, results will be submitted to the Agency.

Dust: Due to the expansive nature of the sites within the Bord na Móna IPC Licence Application and also given their similarity in terms of production activity, it was proposed to choose a number of locations for dust monitoring. An environmental monitoring programme (directional dust gauges installed at various locations throughout the Boora Group and Allen Group) has been initiated in order to establish dust deposition levels resulting from activities within the Boora Group and Allen Group. The twelve month (monthly monitoring) environmental monitoring programme will be carried out in accordance with recognised standard procedures. The results of this study will determine the frequency of monitoring within other Groups in the future. In the event of complaints received in relation to dust emissions from particular peatland production areas within the Derrygreenagh Group then the monitoring will be extended to include those sensitive areas.

Noise: Due to the expansive mass of the sites within the Bord na Móna IPC Licence Application and their similarity in terms of production activity it was proposed to choose two areas as a basis for a preliminary noise assessment, namely, the Allen Group and the Boora Group. It is proposed that the noise monitoring assessment previously carried out within these groups be extended to undertake measurements at the same locations during the impending production season. In the event of complaints received in relation to noise emissions from particular peatland production areas within the Derrygreenagh Group then monitoring will be extended to include those sensitive areas. It is noted that that no complaints pertaining to noise have been received to date within the Derrygreenagh Group.

Surface Water: It is proposed that the emissions to surface water monitoring assessment previously carried out (selected silt sedimentation ponds within the Derrygreenagh Group) be extended to undertake measurements at the same locations selected for the baseline assessment during the production and/or ditching season. Key sensitive locations and discharge points which may be identified/highlighted during future assessments will be included in the monitoring events.