

Reasons for Variation to Permit EPR/DP3832EF

The levels of emissions to air used to complete the environmental risk assessment H1 (H1v2_4_Biotage 2015 (2)) were derived by considering each process in turn and the chemistry involved, and then calculating the maximum theoretical amount for emissions from the process. These calculated values were then divided by the number of working days to give the level of emissions over the year. None of these emissions were found to be significant. The calculations used are repeated regularly to ensure that the emission levels have not increased, and the situation re-assessed each time.

The monitoring of emissions was carried out for the Company by Environmental Compliance using standard procedures and over a 1 hour period. On the advice of the monitoring company, measurements were taken at the time when emissions were at the highest level known for the process being monitored and were found to be higher than the limits given in the permit.

The processes that give rise to emissions to air at Biotage are carried out in distinct batches, and are not continuous. With this in mind we feel that changing the type of limit from periodic to mass emission limit values would be a more accurate representation of the processes we carry out at Biotage, as it would cover the peaks and troughs in our emissions.