

Emissions Report, 2018

Form Air1: no monitoring has been conducted during 2018. The reported values in 2016 showed emissions at their peak and over the whole of the batch process to exceed the limits of the permit for two of the processes. Using these values, a new H1 assessment has been carried out and submitted to NRW; discussion is ongoing. However, we are in the process of installing a new reactor for Process A4 in the Emissions report, including an emissions abatement system (a gas scrubber) and have decided to carry out further emissions testing following commissioning of the new system.

Form Perf1: further refinements to the processes have led to a reduction in solvent consumption per tonne of product for all processes of around 14% compared to 2017 whilst output has increased by around 60%.

Water consumption has increased slightly from 2017, by 14%, but due to a significant increase in output and the use of circulators for cooling rather than running water, the specific usage has fallen by 30%. Energy consumption is up by 6%, due mainly to increased use of the building for production in other departments, but specific usage is down by 29%. This is due to the use of more energy – efficient heating methods.

Hazardous waste has increased by 107% due process refinements. Activity A1 in Form Perf1 has been amended to remove substances authorised under REACH legislation, but the replacement solvent has a relatively high density. Combined with a 90% growth in production of the material, the weight of hazardous material produced has increased dramatically. However, Non-hazardous waste is down by 68% but this may be due to better reporting of waste leading to the separation of non – hazardous waste and mixed recycling in the reported data.



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