

Waste Treatment BREF BAT reference:	Description from BREF document	Adherence to BAT	Comments
Section 6.1 – General BAT Conclusions			
BAT 1	In order to improve the overall environmental performance, BAT is to implement and adhere to an environmental management system (EMS)	Yes	EMS adopted as part of ISO:14001 accreditation
BAT 2	In order to improve the overall environmental performance of the plant, BAT is to use waste pre-acceptance, acceptance, tracking, segregation and compatibility procedures	Yes	No proposed changes to current site-wide procedures
BAT 3	In order to facilitate the reduction of emissions to water and air, BAT is to establish and to maintain an inventory of waste water and waste gas streams, as part of the environmental management system (see BAT 1)	Yes	Set out in procedure WP030-E
BAT 4	In order to reduce the environmental risk associated with the storage of waste, BAT is to use all of the techniques set out in the guidance such as storage optimisation, capacity and safety.	Yes	No proposed changes to current site-wide procedures
BAT 5	In order to reduce the environmental risk associated with the handling and transfer of waste, BAT is to set up and implement handling and transfer procedures.	Yes	Set out in procedure WP054-E
BAT 8	BAT is to monitor channelled emissions to air with at least the frequency given below, and in accordance with EN standards. If EN standards are not available, BAT is to use ISO, national or other international standards that ensure the provision of data of an equivalent scientific quality.	Yes	Set out in procedures WP030-E and WP511-E
BAT 10	BAT is to periodically monitor odour emissions.	Yes	OMP in place
BAT 11	BAT is to monitor the annual consumption of water, energy and raw materials as well as the annual generation of residues and waste water, with a frequency of at least once per year.	Yes	The new process will be included in the site-wide reporting of energy usage. All wastes blended will be treated within the wider plant and recorded

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BAT 12	In order to prevent or, where that is not practicable, to reduce odour emissions, BAT is to set up, implement and regularly review an odour management plan, as part of the environmental management system (see BAT 1), that includes all of the following elements:	Yes	OMP in place
BAT 14	In order to prevent or, where that is not practicable, to reduce diffuse emissions to air, in particular of dust, organic compounds and odour, BAT is to use an appropriate combination of the techniques given in the guidance	Yes	No proposed changes to current site-wide procedures
BAT 18	In order to prevent or, where that is not practicable, to reduce noise and vibration emissions, BAT is to use one or a combination of techniques given in the guidance	Yes	No proposed changes to current site-wide procedures
BAT 21	In order to prevent or limit the environmental consequences of accidents and Incidents, BAT is to use all of the techniques given in the guidance, as part of the accident management plan (see BAT 1).	Yes	Set out in Empire Emergency Plan
BAT 22	In order to use materials efficiently, BAT is to substitute materials with waste.	Yes	The basis of the process will be to blend wastes for treatment in the wider plant
BAT 23	In order to use energy efficiently, BAT is to use both of the techniques given In the guidance	Yes	Energy usage is monitored and reported on an annual basis in accordance with permit conditions.
BAT 24	In order to reduce the quantity of waste sent for disposal, BAT is to maximise the reuse of packaging, as part of the residues management plan (see BAT 1).	Yes	No proposed changes to current site-wide procedures
Section 6.4 – BAT Conclusions for Physico-chemical treatment of waste			
BAT 40	In order to improve the overall environmental performance, BAT is to monitor the waste input as part of the waste pre-acceptance and	Yes	No proposed changes to current site-wide procedures

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	acceptance procedures (see BAT 2).		
BAT 41	In order to reduce emissions of dust, organic compounds and NH3 to air, BAT is to apply BAT 14d and to use one or a combination of the techniques given in the guidance	Yes	Use of wet scrubber in air emissions abatement
Section 6.5 – BAT Conclusions for treatment of water-based liquid waste			
BAT 52	In order to improve the overall environmental performance, BAT is to monitor the waste input as part of the waste pre-acceptance and acceptance procedures (see BAT 2).	Yes	No proposed changes to current site-wide procedures
BAT 53	In order to reduce emissions of HCl, NH3 and organic compounds to air, BAT is to apply BAT 14d and to use one or a combination of the techniques given in the guidance	Yes	Set out in procedures WP030-E and WP511-E