
Best Available Techniques (BAT)

BAT 23 - Drying

In order to reduce channeled dust emissions to air from drying, BAT is to use one or a combination of the following techniques:

- (a) Bag filter
- (b) Cyclone
- (c) Wet scrubber

BAT Associated Emission Level (BAT-AEL) for channeled dust

- Dust mg/Nm³ < 2-10 (Note: the upper limit end of range is 20 mg/Nm³ for drying of demineralised wet powder, casein and lactose)

– Monitoring is given in BAT 5

BAT 28 – Grain Milling

In order to reduce channeled dust emissions to air from Grain Milling, BAT is to use:

- (a) Bag filter

BAT Associated Emission Level (BAT-AEL) for channeled dust

- Dust mg/Nm³ < 2-5

– Monitoring is given in BAT 5

Best Available Techniques (BAT)

BAT 34 – Drying starch, Protein and Fibre

In order to reduce channeled dust emissions to air from Starch, Protein and Fibre drying, BAT is to use one or a combination of the following techniques:

- (a) Bag filter
- (b) Cyclone
- (c) Wet scrubber

BAT associated emission level (BAT-AEL) for channeled dust, average over sampling period

- Dust
 - New Plant
< 2-5 mg/Nm³
 - Existing Plant
< 2-10 mg/Nm³
- Monitoring is given in BAT 5

BAT 5 - monitoring

BAT 5. BAT is to monitor channelled emissions to air with at least the frequency given below and in accordance with EN standards.

Substance/ Parameter	Sector	Specific process	Standard(s)	Minimum monitoring frequency ⁽¹⁾	Monitoring associated with
Dust	Animal feed	Drying of green fodder	EN 13284-1	Once every three months ⁽²⁾	BAT 17
		Grinding and pellet cooling in compound feed manufacture		Once every year	BAT 17
		Extrusion of dry pet food		Once every year	BAT 17
	Brewing	Handling and processing of malt and adjuncts		Once every year	BAT 20
	Dairies	Drying processes		Once every year	BAT 23
	Grain milling	Grain cleaning and milling		Once every year	BAT 28

BAT 5 - monitoring

Substance/ Parameter	Sector	Specific process	Standard(s)	Minimum monitoring frequency ⁽¹⁾	Monitoring associated with
	Oilseed processing and vegetable oil refining	Handling and preparation of seeds, drying and cooling of meal		Once every year	BAT 31
	Starch production	Drying of starch, protein and fibre			BAT 34
	Sugar manufacturing	Drying of beet pulp		Once every month ⁽²⁾	BAT 36