

Site Clean Down Procedure

EPR-OP06

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1.0 PURPOSE

This document aims to outline the procedure which must be followed by Charlton Park Biogas Ltd (Charlton Park) to ensure the site fulfils the requirements of its Environmental Permit conditions and complies with ABP Regulations.

2.0 PROCEDURE OVERVIEW

The procedure document details the clean down procedures which are required to be undertaken by Charlton Park in line with their environmental permit and ABP regulations. It has been dissected into its component parts for ease of reference by site operatives. Conditions that shall be applied when site operatives are following the procedure are also indicated below.

3.0 SITE CLEANING REQUIREMENTS

3.1 ABPR Clean and Dirty Zones

For the purposes of food and farm waste processing in accordance with ABP Regulations Charlton Park will implement a “Clean” and “Dirty” zone to prevent cross-contamination of sanitised and non-sanitised waste. The zones are defined as follows:

- Dirty Zone – This area includes the liquid and solid waste reception areas.
- Clean Zone - This area includes the post-pasteurisation and product storage areas.

In summary, waste is accepted onto site, and directed into either the solid or liquid Waste Reception Area. Solid waste (broiler manure) shall be tipped into one of two silage clamps, where it will be handled via a telehandler into a designated bay ahead of feeding into the digesters. Liquid waste shall be pumped directly from tankers into the intake tanks. ABP and non-ABP wastes shall be kept separated and only stored in designated bays, ensuring there is no cross contamination of materials.

From the silage clamps, solid material shall be loaded directly into one of two solid feeder units, where the material will be transferred into one of the two digesters. Liquid waste is pumped directly from the intake tanks into one of the digesters. The retention time for the material within the digesters will be ~50 days.

Following the AD process and release from the digesters, the digestate shall be pasteurised within a single pasteurisation tank at 72°C for 65 minutes (over one continuous hour). Pasteurised digestate shall then be pumped to a separation unit, where the whole digestate is separated into liquid and solid phases. The solid fibre shall be stored within a storage clamp, and the separated liquor shall be pumped to the digestate storage lagoon.

3.1.1 Wash Down and Cleaning Requirements for the Dirty Zones

- Charlton Park shall provide wheel wash facilities should be provided for the disinfection of ABP delivery vehicles on exit from the reception area. All other cleansing of ABP delivery vehicles should be carried out in an enclosed area.
- Loading shovels and plant equipment used within the dirty zone are washed down at the end of the day.
- The disinfectant foot dips at the entrance and exit of pedestrian routes are to be kept topped up with DEFRA approved disinfectant by Site Operatives. An inspection of the foot dips is included on the site weekly check.
- Any spillages will be dealt with immediately following the EPR-C01 Accident Management Plan, making use of the available spill kits on site to safely contain the spill.
- All cleaning actions taken are to be logged on the Daily Check Sheet along with any additional comments.

Note: Refer to the COSHH folder stored in the site office for the MSDS sheet and COSHH risk assessment for the safe handling, storage and use of the disinfectant.

3.1.2 Wash Down and Cleaning Requirements for the Clean Zones

- Loading shovels and plant equipment used within the “Clean” zone are washed down at the end of the day and stored within a dedicated ‘clean’ storage area over night.
- The disinfectant foot dips at the entrance and exit of pedestrian routes are to be kept topped up with DEFRA approved disinfectant by Site Operatives. An inspection of the foot dips is included on the site weekly check.
- Any spillages will be dealt with immediately following the EPR-C01 Accident Management Plan, making use of the available spill kits on site to safely contain the spill.
- All cleaning actions taken are to be logged on the Daily Check Sheet along with any additional comments.

Note: Refer to the COSHH folder stored in the site office for the MSDS sheet and COSHH risk assessment for the safe handling, storage and use of the disinfectant.

3.2 General Site Cleanliness Requirements

- Cleaning will be undertaken across the site, as required. an adequate supply of DEFRA approved disinfectant will be kept onsite for the purpose of disinfecting areas, machines or vehicles as necessary.
- Foot dips between clean and dirty areas will be maintained. Foot dips shall be inspected on a daily basis and will be replenished with disinfectant as required.
- The condition of the site shall be inspected no less than weekly and the findings documented within the weekly site check.
- Vehicle routes shall be maintained. A road sweeper or mobile bowser will be deployed as required to prevent the build-up of dust or mud on the vehicle routes, which could be brought onto the highway.
- Any spillages will be dealt with immediately following the EPR-C01 Accident Management Plan, making use of the available spill kits on site to safely contain the spill
- Site litter levels will be monitored no less than weekly and the findings documented within the weekly site check. Litter picks of the site shall take place as required and the sites litter netting shall be maintained.
- Operatives must ensure hand tools, motor oil containers etc are returned to the correct storage location after use.

3.3 Summary of the Cleaning Schedule

Area/Plant	Frequency	Method
General Machinery & Equipment	Before machinery is moved from 'dirty' to 'clean' areas.	Full wash-down with pressure washer or DEFRA- approved disinfectant. All tools and equipment exposed to any ABP materials must be washed immediately after any maintenance activities.
All personnel	Between 'dirty' and 'clean' areas.	Disinfection of footwear in footbaths using DEFRA approved disinfectant.
Disinfectant foot dips	Formally inspected as part of the site weekly check.	Foot dips are topped up no less than weekly with DEFRA approved disinfectant.
Roads	Formally inspected as part of the daily site check.	Roads will be swept when required to ensure vehicle routes are free from debris and mud.
Litter levels	Formally inspected as part of the daily site check.	Site operatives will undertake litter picking duties when required.

4.0 RECORD KEEPING

Records of site cleaning will be maintained where they required to comply with the site's Environmental Permit. Records will be made in the Site Diary.

5.0 ROLES AND RESPONSIBILITY

Site Operatives shall:

- Ensure vehicles and plant equipment is washed down at the end of each day;
- Ensure areas critical to the HACCP Plan are washed down at the end of each day;
- Make use of the foot dips provided;
- Ensure vehicle movements are restricted within the defined “Clean” and “Dirty” zones;
- Undertake litter picks where required.

Site Manager shall:

- Be responsible for ensuring this procedure is upheld;
- Ensure site operatives are trained in their responsibilities;
- Ensure daily checks are recorded and retained;
- Ensure site weekly checks are recorded and retained; and;
- Instruct road sweeping or litter picking to take place where required.

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