

Monitoring Procedure

EPR-OP05

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Version	Type of Change	Date	Description of Change
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1.0	N/A	11/08/2021	First Issue

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1.0 PROCEDURE OVERVIEW

The procedure details the routine and periodic monitoring requirements required by Charlton Park Biogas Ltd (hereon referred to as Charlton Park) in line with their Environmental Permit conditions. For ease of reference for site operatives, this procedure has been divided into component parts.

2.0 SCOPE OF SITE MONITORING

Charlton Park shall proactively monitor the AD process and control and monitor emissions from site activities that may cause pollution, in accordance with the site's Permit conditions. Table 1 itemises the scope of the site's monitoring commitments.

Table 1 – Monitoring Requirements

Monitoring Aspect	Monitoring to be Undertaken	Frequency	Responsibility	Subsequent Action
Environmental				
Oxides of Nitrogen	On all CHPs whilst they are operational (not during start up or shut down).	Annually	Site Manager	If emissions exceed Emissions Limit value (500 mg/Nm ³ at 5% O ₂) investigate causes and re-monitor.
Sulphur Dioxide	On all CHPs whilst they are operational (not during start up or shut down).	Annually	Site Manager	If emissions exceed Emissions Limit value (350 mg/Nm ³ at 5% O ₂) investigate causes and re-monitor.
Carbon Monoxide	On all CHPs whilst they are operational (not during start up or shut down).	Annually	Site Manager	If emissions exceed Emissions Limit value (1,400 mg/Nm ³ at 5% O ₂) investigate causes and re-monitor.
VOCs	On all CHPs whilst they are operational (not during start up or shut down).	Annually	Site Manger	If emissions exceed Emissions Limit value (1,000 mg/Nm ³ at 5% O ₂) investigate causes and re-monitor.
Oxides of Nitrogen	On emergency flare whilst operational (not during start up or shut down).	In the event the flare is operational for more than 10% of the year i.e. >876 hours.	Site Manager	If emissions exceed Emissions Limit value (150 mg/Nm ³ at 3% O ₂) investigate causes and re-monitor.

Monitoring Aspect	Monitoring to be Undertaken	Frequency	Responsibility	Subsequent Action
Carbon Monoxide	On emergency flare whilst operational (not during start up or shut down).	In the event the flare is operational for more than 10% of the year i.e. >876 hours.	Site Manager	If emissions exceed Emissions Limit value (50 mg/Nm ³ at 3% O ₂) investigate causes and re-monitor.
VOCs	On emergency flare whilst operational (not during start up or shut down).	In the event the flare is operational for more than 10% of the year i.e. >876 hours.	Site Manager	If emissions exceed Emissions Limit value (10 mg/m ³ at 3% O ₂) investigate causes and re-monitor.
Odour	Olfactory odour monitoring through sniff tests as part of daily site check.	Daily	Site Manager	Investigate the cause of pollution and take the relevant actions to stop it.
Dust	Visual inspection as part of daily check.	Daily	Site Manager	Dampening of impermeable surfaces. Regular sweeping of the site's impermeable surfaces and access roads.
Litter	Visual inspection as part of daily check.	Daily	Site operators	Remove litter to sealed refuse contained. Inform the site manager if litter has blown outside the site boundary.
Pests	Visual inspection as part of the daily check to identify any pest infestations or indications of such.	Daily	Site Manager	Seek professional advice from a qualified pest controller and record subsequent action taken.
	A thorough inspection of the facility shall be carried out regularly by the pest controller to identify and manage any pest infestations.	Regularly		

Monitoring Aspect	Monitoring to be Undertaken	Frequency	Responsibility	Subsequent Action
Surface Water Drainage System	Visual inspection as part of a daily check.	Daily	Site Manager	Charlton Park to repair where possible, or otherwise appoint a third party to repair damage.
Mud	All vehicles exiting the site shall be checked for mud and loose waste before leaving and cleaned as necessary.	Every load	Site Manager	Clean vehicles as necessary. If mud or waste is deposited on public highway: <ul style="list-style-type: none"> • Clean/sweep the affected public areas. • Investigate the cause of the mud/debris escape. • Take measures to remove the source of mud/debris and prevent recurrence.
Impermeable surface	Visual inspection as part of a weekly check.	Weekly	Site Manager	Charlton Park to repair damage where possible otherwise a third party will be appointed to repair.
Site bunding	Visual inspection as part of a weekly check.	Weekly	Site Manager	Charlton Park to repair damage where possible otherwise a third party will be appointed to repair.
Noise	Noise checks	Daily	Site Manager	Investigate the cause of excessive noise and take appropriate actions to mitigate it.
Process Monitoring				
Waste Transfer	To be undertaken in line with OP02 – Waste Acceptance Procedure.	As indicated in OP02 – Waste Acceptance Procedure.	Site Operatives Site Manager	Corrective action as stated in OP02- Waste Acceptance Procedure.

Monitoring Aspect	Monitoring to be Undertaken	Frequency	Responsibility	Subsequent Action
Waste Treatment	To be undertaken in line with OP03- Waste Treatment Procedure.	As indicated in OP03- Waste Treatment Procedure.	Site Operatives Site Manager	Corrective action as stated in OP03- Waste Treatment Procedure.
Storage	Visual inspection as part of daily check.	Daily	Site Manager	Charlton Park to repair damage where possible otherwise a third party will be appointed to repair.
Infrastructure				
Lighting	Visual Inspection as part of the daily site check.	Daily	Site Manager	Charlton Park to repair damage where possible otherwise a third party will be appointed to repair.
Fencing	Visual Inspection as part of the daily site check.	Daily	Site Manager	Charlton Park to repair damage where possible otherwise a third party will be appointed to repair.
Disinfectant foot dips	Inspection as part of weekly site checks.	Weekly	Site Operatives	Foot dips will be topped up no less than weekly with DEFRA approved disinfectant.

3.0 ROLES AND RESPONSIBILITIES

The Plant Manager shall:

- Undertake monitoring of parameters assigned to them by the site manager as per the instructions in this procedure.
- Be responsible for ensuring all required monitoring is undertaken and recorded.
- Ensure that site operatives have the relevant training to carry out monitoring activities as required.
- Oversee and monitor all health and safety activities onsite.
- Oversee the implementation of any corrective actions required to address any issues identified through daily site checks.

WRM Limited
18 Manor Square, Otley, West Yorkshire, LS21 3AY

Tel: 01943 468138

Email: info@wrm-ltd.co.uk Web: www.wrm-ltd.co.uk

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