EVERCREECH RENEWABLE ENRGY LIMITED AD FACILITY

Emissions Points Monitoring

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BIOCONSTRUCT

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REPORT SCHEDULE

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1. EMISSIONS POINTS MONITORING

Emission Point Reference and Location	Monitoring Method	Monitoring Frequency	Relevant Procedures
A01 - Vent from odour abatement system	Daily odour sniff tests Daily visual and functional checks. Inline inlet and outlet H_2S monitoring. Pressure. Drager tube testing for H_2S and Ammonia at outlet. Whole system performance check based on sample data upstream and downstream of unit.	Daily.. Daily. Continuous inline (sampled 1-2 times an hour). Continuous inline inlet pressure sensor. Weekly. Every six months by third party contractor.	Outlined in Odour Management Plan, Regular checks schedules, and Maintenance Schedules.
A02 - Under/over pressure relief valve (fermenter tank 1)	Use of valves, including events leading to use, time in use, and corrective measures taken to be recorded.	Ongoing – every time in use. Times in use subject to audit and review. Daily visual inspection.	Incident reporting procedures, daily checks sheets, and standard operating procedures, annual performance review and audits.
A03 - Under/over pressure relief valve (fermenter tank 2)	Use of valves, including events leading to use, time in use, and corrective measures taken to be recorded	Ongoing – every time in use. Times in use subject to audit	Incident reporting procedures, daily checks sheets, and standard operating procedures,

Emission Point Reference and Location	Monitoring Method	Monitoring Frequency	Relevant Procedures
		and review. Daily visual inspection.	annual performance review and audits.
A04 - Under/over pressure relief valve (fermenter tank 3)	Use of valves, including events leading to use, time in use, and corrective measures taken to be recorded.	Ongoing – every time in use. Times in use subject to audit and review. Daily visual inspection.	Incident reporting procedures, daily checks sheets, and standard operating procedures, annual performance review and audits.
A05 - Under/over pressure relief valve (post fermenter tank 1)	Use of valves, including events leading to use, time in use, and corrective measures taken to be recorded.	Ongoing – every time in use. Times in use subject to audit and review. Daily visual inspection.	Incident reporting procedures, daily checks sheets, and standard operating procedures, annual performance review and audits.
A06 - Under/over pressure relief valve (post fermenter tank 2)	Use of valves, including events leading to use, time in use, and corrective measures taken to be recorded.	Ongoing – every time in use. Times in use subject to audit and review. Daily visual inspection.	Incident reporting procedures, daily checks sheets, and standard operating procedures, annual performance review and audits.
A07 - Under/over pressure relief valve (digestate storage tank)	Use of valves, including events leading to use, time in use, and corrective measures taken to be recorded.	Ongoing – every time in use. Times in use subject to audit and review. Daily visual inspection.	Incident reporting procedures, daily checks sheets, and standard operating procedures, annual

Emission Point Reference and Location	Monitoring Method	Monitoring Frequency	Relevant Procedures
			performance review and audits.
A08 - CO_2 vent from gas upgrading unit	Daily odour sniff test monitoring. Leak detection and repair programme (LDAR).	Daily. Undertaken every 6 months.	Outlined in odour management plan According to site specific LDAR Plan.
A09- Emergency flare	Flare use time logged on SCADA system. Monitoring to be carried annually for hourly average emissions rates for given variables.	Annual if required if flare operational more than 10% of year. Flare use time logged on SCADA system.	To be carried out by third party contractor with MCERTS accreditation (ESG) per appropriate BS EN methodology for given variables.
A10 – Emergency pressure relief valve on upgrading unit	Daily odour sniff tests. Time in use.	Daily. Ongoing – every time in use. Times in use subject to audit and review.	Outlined in odour management plan. Incident reporting procedures, daily checks sheets, and standard operating procedures, annual performance review and audits.
A11	Not used	Not used	Not used
A12 – Exhaust stack from CHP engine	Monitoring to be carried annually for hourly average emissions rates for given variables.	Annual monitoring exercise.	To be carried out by third party contractor with MCERTS accreditation (ESG) per appropriate BS EN methodology for given variables.

Emission Point Reference and Location	Monitoring Method	Monitoring Frequency	Relevant Procedures
A13 – Exhaust stack from dual fuel biogas boiler	Monitoring to be carried annually for hourly average emissions rates for given variables.	Annual monitoring exercise.	To be carried out by third party contractor with MCERTS accreditation (ESG) per appropriate BS EN methodology for given variables.
A14 – Exhaust stack on emergency generator	Not monitored	Not monitored	Not monitored
W1 – Surface water release point for bund surface water – testing prior to release to surface water system	Analysis of surface water for water quality benchmark thresholds as outlined in HC1683-11.	On a batch basis from bund sump prior to release.	Surface water release procedure.
W2 - Surface water release point from site to surface water attenuation pond beyond site boundary	Visual inspection for odours and visible oils.	Daily visual inspection of release point for odours/visible oils.	Daily environmental monitoring checks.
W3 - Surface water release point from roofs, downpipes and roadways to internal surface water system	Visual inspection for odours and visible oils.	Daily visual inspection of release point for odours/visible oils.	Daily environmental monitoring checks.
S1 – Release of domestic sewage to foul sewer	Not monitored	Not monitored	Not monitored

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