



GREEN GENERATION LIMITED
Gorteen Lower
Nurney
Co. Kildare

INTAKE 3 – SOP-01
OPERATION OF INTAKE 3 MIXERS

VERSION 1

VERSION HISTORY			
VERSION NO.	1	REFERENCE	GG-Intake 3-SOP-01
ORIGINAL ISSUE DATE	22/03/2023	REVISION DATE	
AUTHOR:	Aoife Cahill		
RESPONSIBLE PERSON:	Íde Hennessy	SIGNATURE	Íde Hennessy

1 PURPOSE:

- 1.1 The purpose of this SOP is to define the processes by which Green Generation Limited operate the mixers in Intake 3 on a daily basis.

2 SCOPE

- 2.1 This procedure applies to the Green Generation Limited Biogas Plant – Intake 3 tank mixers.
- 2.2 This procedure will be adhered to by Green Generation Limited.

3 RESPONSIBILITIES

- 3.1 Green Generation operatives carry out the task of operating the area.
- 3.2 It is the responsibility of the Yard Supervisor to ensure that this procedure is strictly adhered to.
- 3.3 It is the responsibility of the Green Generation Limited Operations Manager to oversee adherence to this procedure.
- 3.4 It is the responsibility of the Green Generation Limited Environmental Manager to oversee adherence to this procedure.

4 DEFINITIONS

- SOP: Standard Operating Procedure

5 MATERIALS AND EQUIPMENT

- Wind sock
- Weather data
- Mixers

6 OPERATION

OPERATING THE MIXERS IN INTAKE 3

- 6.1 The mixers in Intake 3 must be operated in a way to mitigate odour emissions.
- 6.2 All colleagues responsible for operating the mixers must be trained in this procedure.
- 6.3 Mixers should be prioritised only to be switched on at night time.

- 6.4 If the mixers need to be turned on during the day, weather conditions need to be determined first.
- 6.5 Current weather data needs to be consulted to determine wind direction and wind strength. The wind sock on top of the fermenters should also be visually inspected for wind direction.
- 6.6 If wind strength is more than a level 4 - Moderate Breeze "*Raises dust and loose paper, small branches are moved*" according to the Air Guidance Note 5 (AG5) Odour Impact Assessment Guidance for EPA Licensed Sites, then the mixers will not be operated.
- 6.7 If the wind direction is south, east or west, then wind strength needs to be a level 2 - Light Breeze "*Wind felt on face, leaves rustle, ordinary vane moved by the wind*" or less for the mixer to be operated.
- 6.8 If the wind direction is north, wind strength can be level 3 - Gentle Breeze "*Leaves and small twigs in constant motion*" or less for the mixer to be operated.

7 TRAINING

- 7.1 Full induction training is provided to all staff involved in the procedure for operating the mixers during Environmental Training and annual refresher training is provided thereafter or sooner if deemed necessary by the Environmental Manager.
- 7.2 Signed training attendance records of the Environmental Training will be kept on Staff Training Log.

8 REVIEW AND REVISIONS

- 8.1 This procedure will be systematically reviewed annually to ensure that the procedure remains current and appropriate.
- 8.2 If it is determined that the procedure should be changed, the procedure will be updated and the review date recorded within the document (see cover page /page footer).