

**Future Pigs Ltd,
Gurteen Lower,
Nurney,
Co. Kildare
24/03/2023**

RE: Response to SV27496 Site Visit Report

IE License: P0420-03

Dear Lisa,

We are writing to you to provide you with an update in relation to Site Visit Report SV27496 from the audit carried out on the 07/02/2023.

1.1 Digestate Management:

This noncompliance will be addressed on EDEN under compliance investigation CI002073.

1.2 Storm water Management:

This noncompliance will be addressed on EDEN under compliance investigation CI002072.

1.3 Waste stored on unprotected ground:

The rubber and carbon at the back of the lagoons were moved to a concrete surface on the 08/02/2023. The layer of gravel that the carbon and rubber were sitting on was scraped and bagged for removal by ENVA Ireland.

The contents of the two dolavs (food waste mixed with rainwater) were emptied into intake 3.

The numerous drums of various chemicals were placed on bunds and those that are waste will be removed off-site by suitable personnel.

A new metal bin was delivered to site on the 08/02/2023. All metal onsite will be stored in the new bin prior to collection.

As per condition 8.5, all waste will be stored in designated areas and labelled appropriately.

1.4 Bunding of liquids

The IBCs in the external yard of intake 4 had glycerine residue mixed with rainwater. The IBCs were emptied into intake 3. ENVA has been contacted to remove the empty IBCs off-site.

The bund directly inside the side door of the pasteuriser room was cleaned. All the rainwater in the mobile bunds was emptied into intake 3.

The coolant mixed with rainwater was pumped into an IBC for removal by ENVA.

To ensure compliance with conditions 3.5.2, 3.5.3 & 6.15.2 we have signed up with Snapfix. Snapfix is a mobile application for maintenance and housekeeping. We will schedule more frequent cleaning of all bunds onsite. Please find the SOP for "*Emptying bunds*" attached.

1.5 Material handling:

The motor on one of the agitators in F2 was changed on the 06/02/2023. This resulted in a small quantity of digestate spilling on the ground near the agitator. The green liquid observed near the engine, which was identified as engine coolant, was cleaned on the 07/02/2023. The bund at the side of the weaner shed was extended and the layer of topsoil at the back of the weaner shed was scraped for removal by ENVA. Additional concrete was laid beside the black grain tank. The drain for the black drain tank washings was blocked. Lacey's Drain Cleaning unblocked this drain. The pig carcass bins will be stored on a concrete surface going forward.

In accordance with Condition 6.10, we are liaising with various companies to arrange integrity testing for the weaner shed. We will provide timelines to the Agency once a company is booked to demonstrate the integrity and water tightness of the slurry storage tanks associated with the weaner house.

All relevant staff on the pig farm and AD plant will receive environmental training. Additionally, all relevant staff will be required to use the Snapfix application. Housekeeping and maintenance will be tracked using this application.

1.6 Odour:

The drip from the condensate pipe was immediately fixed on the 07/02/2023. Additional sections have been added to the weekly Inspection Log to observe all pipework and record any leaks.

The motor on the roller door at Intake 2 was replaced on the 18/02/2023. The rapid closing door for the attritor room was installed on the 03/03/2023.

To ensure compliance with Conditions 5.2 & 5.5.2 we are working with an odour specialist.

1.7 Impervious areas of the site:

We have bought Sikaflex Pro 3 to seal the internal floor in the attritor area and in the feed mixing building.

The cracks in the concrete in the yard adjacent to the feed mixing building were fixed on the 10/03/2023. The holes in the yard outside the roller door at intake 3 will be fixed next week (Week 13), weather permitting.

1.8 Data Recording/Management System:

Data is recorded manually by the Environmental Officer daily. We are working with Logicon regarding storing SCADA data.

1.9 Inputs to the AD Plant:

We use all the building and yard wash water in the AD system. All the water from power washing within the buildings is directly pumped into the concrete tank. The yard washings are contained in the attenuation tank and are fed into Intake 3 via tanker. The EWC codes for this wastewater are 02 02 03 and 02 03 04.

Additionally, the rainwater in the bunds is emptied as per SOP: "Emptying bunds".

The potential presence of small amounts of hydrocarbons in the yard wash water is mitigated by the activity of facultative and obligate anaerobic bacteria and archaea, initially breaking hydrocarbons into their constituent parts (hydrogen and carbon), followed by conversion into biogas. This

anaerobic conversion occurs via fermentation and/or energy coupling substrate oxidation, with the result that the hydrocarbons are effectively converted to biogas in the anaerobic digestion process.