

**Risk Assessment Form – AD Plant Operation**  
**Version 2 – 05/03/2025**



<b>COMPANY:</b>	GUY&WRIGHT	<b>SITE:</b>	GREEN TYE		
<b>SITE LOCATION:</b>	The Vineries, Green Tye, Much Hadham SG10 6JJ	<b>COUNTY:</b>	HERTFORDSHIRE	<b>POST CODE:</b>	SG10 6JJ

*\*This form is to be completed by the person(s) undertaking the Risk Assessment and / or the supporting scope of works.*

<b>RISK ASSESSMENT COMPLETED BY:</b>	Sarah Perry	<b>POSITION TITLE:</b>	Senior Consultant
<b>OTHER PERSONS INVOLVED:</b>	Nick Gerrard	<b>POSITION TITLE:</b>	Senior Consultant
<b>OTHER PERSONS INVOLVED:</b>	-	<b>POSITION TITLE:</b>	-

<b>TASK / EQUIPMENT / ACTIVITY TO BE RISK ASSESSED:</b>	Sampling of Digestate				
<b>PERSONS POTENTIALLY AT RISK:</b>	Wiser Employee <input checked="" type="checkbox"/>	Site Employee <input checked="" type="checkbox"/>	Contractors <input checked="" type="checkbox"/>	Member of Public <input checked="" type="checkbox"/>	On-Site Visitor <input checked="" type="checkbox"/>

<b>DATE OF CURRENT ASSESSMENT:</b>	05/03/2025	<b>DATE OF LAST ASSESSMENT:</b>	05/03/2024	<b>NEXT REVIEW DATE:</b>	05/03/2026
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**SECTION 1 – SUMMARY OF THE KEY HAZARDS THAT WERE IDENTIFIED DURING THE ASSESSMENT:**

1.	Biological Hazards and Animal By Products	9.	
2.	Warn/Hot Liquids	10.	
3.	Use of Chemicals	11.	
4.	Drowning (Pas 110 from Lagoon)	12.	
5.	Slips and Trips	13.	
6.	Musculoskeletal Injuries	14.	
7.		15.	
8.			

Identified Hazards	Uncontrolled Risk		Risk Rating	Current Controls	Controlled Risk		Residual Risk Rating	Further Controls Required
	Likelihood	Consequences			Likelihood	Consequences		
Biological Hazards/ Animal by-products	Almost Certain	Major	21	<p>Only the minimum number of samples are taken per day to fulfill requirements.</p> <p>Sampling takes place in open air.</p> <p>Samples must be taken wearing gloves.</p> <p>Good hygiene practices are encouraged, especially before eating, drinking and smoking.</p>	Unlikely	Moderate	12	
Warm or Hot Liquids	Likely	Moderate		<p>Likely to occur post pasteurisation or within the AD process. Sample tap provided for safe sampling with limited flow.</p> <p>Gloves are provided for sampling activities.</p> <p>Sample containers are heat resistant.</p>	Unlikely	Minor	7	
Use of Chemicals (for AD tests)	Likely	Moderate	14	<p>Staff are trained in the sampling and testing procedures for digestate where the use of chemicals is involved.</p>	Unlikely	Minor	7	

				<p>COSHH assessments are kept up to date and staff are trained in their use.</p> <p>Assessments are made for hazardous chemicals</p> <p>Appropriate PPE is provided.</p>				
<b>Drowning</b> (when sampling from the lagoon)	Likely	Significant		<p>Sampling is undertaken double manned.</p> <p>Sampling activities are conducted from distance from the lagoon bank to prevent accidental fall.</p> <p>Life buoy present at the lagoon</p> <p>Tyre ladders and ropes available for emergency use.</p>	Unlikely	Moderate	12	
<b>Slips and Trips</b>	Possible	Moderate	13	<p>Good standard of housekeeping maintained around the site.</p> <p>Operators are trained on risks of slips and trips for awareness.</p> <p>Operators to maintain awareness of their surroundings when traversing the site.</p>	Unlikely	Minor	7	
<b>MSK Injuries</b>	Likely	Moderate	14	<p>Manual handling tasks are observed and assessed.</p>	Unlikely	Minor	7	

				<p>Repeated tasks are infrequent and discouraged.</p> <p>Sampling containers are &lt;5kg and sampling performed 1-2 x per day.</p> <p>Sampling poles are provided to prevent over stretching when sampling.</p>				
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**IMPLEMENTATION PLAN** (For each "Further Control Required", please complete the below table)

Further Control Required	Hierarchy (See below)	Resources Required	Person(s) Responsible	Control Considered but not Implemented?	Implementation Date

**SIGN-OFF**

<b>PERSON COMPLETING RISK ASSESSMENT:</b>	Sarah Perry	<b>DATE:</b>	05/03/2024
<b>WISER PEER REVIEW &amp; SIGN OFF:</b>	Nick Gerrard	<b>DATE:</b>	05/03/2024
<b>SIGN OFF: *(Where Required)</b>		<b>DATE:</b>	

**The “HIERARCHY OF CONTROL” consists of the following:**

**ELIMINATION:** Removing the hazard is always the best option and may include elimination of a specific part of a job, the plant, or its energy source.

**SUBSTITUTION:** Involves replacing the hazard, energy source or process with one that presents a lower and more manageable risk.

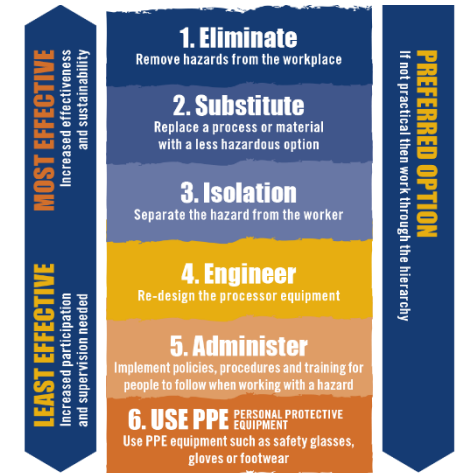
**ISOLATION/ ENGINEERING:** Utilising a number of methods that creates a barrier or changes / alters the process between the hazard or energy source and persons / equipment. Such methods include:

- Designing hazards out and control measures to be designed in.
- Redesign of plant, or work processes involving plant, to eliminate or reduce risk.
- Installing monitoring devices for ventilation, guarding, operator controls and automation.
- Isolation of the plant and/or the operators.
- Rearranging aspects of the workplace.

**ADMINISTRATION:** Involves minimising exposure to risks through the development and use of specific procedures or work instructions. Other methods include:

- Changing procedures to eliminate hazardous steps.
- Changing the sequence of tasks in a job.
- Reducing the frequency of performing a dangerous task.
- Measuring performance.
- Housekeeping, maintenance and purchasing.
- Combining tasks.
- Preparing JSEA.

**PPE:** Personal Protective Equipment - The last line of defence between the hazard and the worker.



1. CONSEQUENCE / IMPACT CRITERIA			Consequence / Impact Ratings				
DESCRIPTION			*Where an event has more than one "Loss Type", choose the "Consequence / Impact" with the highest rating. If "Near Miss" select potential rating.				
			Insignificant	Minor	Moderate	Major	Significant
Health and Safety			Near miss	First aid treatment required	Medical treatment required	Lost time injury to worker, injury to member of the public or permanent injury or disability (public or workers)	One or more fatalities (public or workers)
Environmental			Limited or no environmental damage with no intervention required	Limited or minor damage requiring possible intervention	Environmental impact requiring treatment inside or outside site	Serious environmental harm requiring restoration and/or remediation inside or outside of site with possible regulatory intervention	Permanent/material damage to environment requiring ongoing remediation and monitoring with regulatory involvement and possible further enforcement action
Business Interruption			A temporary delay in servicing a small number of customers	Delay affecting customers but no damage to relationships	Inconvenience to customers that cause some harm to relationships	Widespread damage to customer relationships (some permanent)	Irreversible damage to a large number of customers (impacts viability of the business)
Reputational			Slight impact- public awareness may exist but no public concern.	Limited impact- local public concern.	Considerable impact- regional public concern. Client unease.	National public concern. Leads to share price volatility. Loss of client.	International public attention. Direct impact on share price. Loss of core client.
2. LIKELIHOOD / PROBABILITY & RISK RATING			Risk Rating				
Likelihood / Probability	Examples (Near-misses as well as actual events)	% chance of occurring					
Almost Certain	The unwanted event has occurred frequently; occurs in order of one or more times per year & is likely to reoccur within 1 year	>75% - 99%	5	10	15	21	25
Likely	The unwanted event has occurred infrequently; occurs in order of less than once per year & is likely to reoccur within 5 years	>50%-<74%	4	9	14	20	24
Possible	The unwanted event has happened in the business/industry at some time; or could happen within 10 years	>25%-<49%	3	8	13	18	23
Unlikely	The unwanted event has happened in the business/industry at some time; or could happen within 20 years	>11%-<24%	2	7	12	17	22
Rare	The unwanted event has never been known to occur in the business/industry; or it is highly unlikely that it will occur within 20 years	0- <10%	1	6	11	16	19

**RESIDUAL RISK LEVEL:**

**Extreme** NO WORK TO BE CONDUCTED

**HIGH** Requires Management Approval

**MEDIUM** Requires Further Review when on Site

**LOW** Monitor