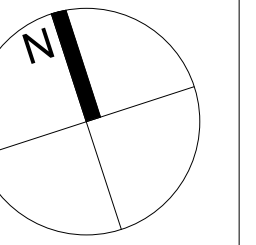


B Site Layout

*LanzaTech Confidential, Proprietary
and Commercially Sensitive*

(c) 2023 Sophem Limited
info@inspirearchitects.co.uk
www.inspirearchitects.co.uk

Sophem Limited t/a Inspire Architects
Heywood House, Heywood. BA13 4NA
01749 605006



A horizontal scale bar with a black background and white markings. The markings are labeled 0m, 20m, 40m, 60m, 80m, and 100m from left to right.

GENERAL NOTES

- All works proposed shall be conducted in accordance with the related H&S and CDM regulations. Where doubt arises over any aspect of safety, consult Inspire Architects.
- Should any discrepancy be found on this drawing or related project information then the matter should be brought to the attention of Inspire Architects for resolution as soon as possible.
- This drawing may be based on a measured survey or Ordinance Survey information. Do not scale from this drawing unless for planning purposes.
- All dimensions are in millimetres unless otherwise stated. Do not scale from this drawing. All information and layouts detailed on this drawing are subject to site dimension checks.
- Copyright - All Inspire Architects drawings are the property and copyright of Sophem Limited and are not to be used for any purpose without prior written agreement.

NOTES

- Survey information taken directly from drawings issued on December 2021 by AP Land Surveys.
- Inspire Architects are not responsible for the design of the plant equipment identified on this drawing.

LEGEND

- | | |
|---|-------------------------------------|
|  | Application Boundary |
|  | Existing Buildings |
|  | Proposed Plant / Buildings |
|  | Existing buildings to be demolished |

P16	CH	NC	26.10.2023
P15	CH	NC	20.10.2023
P14	CH	CH	19.10.2023
P13	CH	CH	13.10.2023
P12	CH	CH	12.10.2023
P11	CH	CH	11.10.2023
P10	CH	NC	11.08.2023
P9	CH	NC	09.08.2023
Revision	Drawn	Checked	Date



PROJECT NAME

Project Dragon - Sustainable Aviation Fuel (SAF) Production Facility

CLIENT

LanzaTech UK Limited

SHEET NAME

Proposed PDZ Layout & Equipment List

SHEET SIZE	SCALE
A1	1 : 1000 @ A1
STATUS CODE	STATUS
S2	PLANNING
REVISION DATE	REVISION
26.10.2023	P16
DRAWING NUMBER	
2143.01-IA-ZZ-ST-DR-A-0215	

C Ground Investigations

Project Dragon Sustainable Aviation Fuel (SAF) Production Facility

Outline Drainage Strategy (Revision F) Appendix C Placeholder for:
Geotechnical Assessment Report by TEC

Reference: **Geotechnical Assessment - Project Dragon -
2111006.005.02D - Oct 2023**

A placeholder has been submitted due to the large document file size. The document has been issued to Neath Port Talbot County Borough Council directly for upload to the planning application online.

D Greenfield Runoff Rates

Calculated by:	faye tomalin
Site name:	Project Dragon
Site location:	Port Talbot

This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance "Rainfall runoff management for developments", SC030219 (2013) , the SuDS Manual C753 (Ciria, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Site Details

Latitude:	51.58342'
Longitude:	3.78416°
Reference:	13149327
Date:	Jun 07 2023 08:

Runoff estimation approach

FEH Statistical

Site characteristics

Total site area (ha):	9.95
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Methodology

Q _{MED} estimation method:	Calculate from BFI and SAAR
BFI and SPR method:	Specify BFI manually
HOST class:	N/A
BFI / BFIHOST:	0.726
Q _{MED} (l/s):	
Q _{BAR} / Q _{MED} factor:	1.08

Hydrological characteristics

	Default	Edited
SAAR (mm):	1176	1143
Hydrological region:	9	9
Growth curve factor 1 year:	0.88	0.88
Growth curve factor 30 years:	1.78	1.78
Growth curve factor 100 years:	2.18	2.18
Growth curve factor 200 years:	2.46	2.46

Notes

(1) Is $Q_{\text{BAR}} < 2.0 \text{ l/s/ha}$?

When Q_{BAR} is $< 2.0 \text{ l/s/ha}$ then limiting discharge rates are set at 2.0 l/s/ha .

(2) Are flow rates $< 5.0 \text{ l/s}$?

Where flow rates are less than 5.0 l/s consent for discharge is usually set at 5.0 l/s if blockage from vegetation and other materials is possible. Lower consent flow rates may be set where the blockage risk is addressed by using appropriate drainage elements.

(3) Is $\text{SPR}/\text{SPRHOST} \leq 0.3$?

Where groundwater levels are low enough the use of soakaways to avoid discharge offsite would normally be preferred for disposal of surface water runoff.

Greenfield runoff rates

	Default	Edited
Q_{BAR} (l/s):		37.74
1 in 1 year (l/s):		33.21
1 in 30 years (l/s):		67.18
1 in 100 year (l/s):		82.28
1 in 200 years (l/s):		92.85

This report was produced using the greenfield runoff tool developed by HR Wallingford and available at www.uksuds.com. The use of this tool is subject to the UK SuDS terms and conditions and licence agreement , which can both be found at www.uksuds.com/terms-and-conditions.htm. The outputs from this tool are estimates of greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, CEH, Hydrosolutions or any other organisation for the use of this data in the design or operational characteristics of any drainage scheme.