

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Bluestone Resorts Limited

Tertiary Treatment System Serving
Bluestone Resorts Limited
The Grange
Canaston Bridge
Narberth
SA67 8DE

Variation application number
NPSWQD002107/V003

Permit number
NPSWQD002107

**Tertiary treatment system serving
Bluestone Resorts Limited
Permit number NPSWQD002107**

Introductory note

This introductory note does not form a part of the notice.

The following notice gives notice of the variation and consolidation of an environmental permit.

The permit has been varied to amend the maximum daily volume discharged from 410m³/day to 562m³/day.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number. It is not backdated before 6 April 2010.

Status log of the permit		
Description	Date	Comments
Application NPSWQD002107/V002 (variation and consolidation)	Duly made 05/12/2014	Application to vary the treatment system and update the permit to modern conditions.
Variation determined NPSWQD002107	30/11/2015	Varied and consolidated permit issued in modern condition format
Application NPSWQD002107/V003 (variation)	06/03/2018	Application to increase the maximum daily discharge volume.
Variation determined NPSWQD002107	29/06/2018	Varied permit issued to Bluestone Resorts Limited.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

permit number
NPSWQD002107

issued to:
Bluestone Resorts Limited (“the operator”)

whose registered office is

Bluestone Resorts Limited
The Grange
Canaston Bridge
Narberth
SA67 8DE

company registration number 06797991

to operate a regulated facility at

Bluestone Resorts Limited
The Grange
Canaston Bridge
Narberth
SA67 8DE

to the extent set out in the schedules.

The notice shall take effect from 01/09/2018

Name

Date

Terry Gulliford

29/06/2018

Authorised on behalf of Natural Resources Wales

Schedule 1

The following conditions were varied as a result of the application made by the operator:

- Table 3.1

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
NPSWQD002107

This is the consolidated permit referred to in the variation and consolidation notice for application NPSWQD002107/V003 authorising,

Bluestone Resorts Limited (“the operator”),
whose registered office is

Bluestone Resorts Limited
The Grange
Canaston Bridge
Narberth
SA67 8DE

company registration number 06797991
to operate a water discharge activity at

Bluestone Resorts Limited
The Grange
Canaston Bridge
Narberth
SA67 8DE

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Terry Gulliford	29/06/2018

Authorised on behalf of Natural Resources Wales

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green and the discharge shall be made at the point marked on the site plan at schedule 7 to this permit and as listed in table S3.2 (discharge points).

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.

- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

2.3.2 The operator shall comply with the relevant requirements of the Urban Waste Water Treatment (England and Wales) Regulations 1994.

2.3.3

- (a) The discharge in table S3.3b shall consist solely of secondary/biologically treated sewage effluent which has been disinfected by means of ultra violet (UV) radiation as specified in that table.
- (b) The full dose limit in table S3.3b must be exceeded in at least 99% of the specified measurements in [any period of 12 consecutive months/the period specified in table S3.3b].
- (c) No more than 10% of measurements taken consecutively during any 24 hour period from midnight to midnight should fall below the 50% dose limit specified in table S3.3b.
- (d) In the event of a failure of the flow monitor and/or UV intensity meter used in the control of the UV dosing system:
 - (i) the maximum available number of duty banks of UV lamps shall be automatically activated;
 - (ii) the minimum applied UV dose at maximum effluent flow rates calculated using the 5%ile transmittance shown in table S3.3b, shall not be less than the full dose limit shown in that table.
- (e) There shall be no failure to achieve the full dose limit in table S3.3b which is as a result of planned maintenance

3 Emissions and monitoring

3.1 Emissions to water

3.1.1 There shall be no point source emissions to water except from the sources and emission points listed in schedule 3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

- 3.1.3 For the emission limits in schedule 3 to which this condition applies, if Natural Resources Wales has been satisfied that (a) unusual weather conditions were adversely affecting the operation of the sewage treatment works and (b) the operator has used appropriate measures to mitigate that adverse effect, no result of any sample of the discharge taken during that time shall be used in deciding whether or not the emission limit has been complied with.
- 3.1.4 If Natural Resources Wales has been satisfied that (a) abnormal operating conditions were adversely affecting the operation of the sewage treatment works and (b) the operator has used appropriate measures to mitigate that adverse effect, no result of any sample of the discharge taken during that time shall be taken into account in deciding whether or not the Urban Waste Water Treatment (England and Wales) Regulations 1994 emission limit of the permit have been complied with.
- 3.1.5 The limit for any of the relevant parameters set out in schedule 3 may be exceeded where: in any series of samples of the discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in column 1 of schedule 3A, no more than the relevant number of samples, as listed in column 2 of schedule 3A, exceed the applicable limit for that relevant parameter. For relevant parameters subject to schedule 3C the assessment is based on a fixed calendar year from 1 January to 31 December inclusive.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.3 Monitoring

- 3.3.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.3.
 - (b) inlet quality specified in table S3.1 and S3.4
 - (c) efficacy monitoring specified in table S3.4 and S3.5.
- 3.3.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 3.3.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by Natural Resources Wales.
- 3.3.5 The monitoring programme for the determinands subject to schedule 3B shall be:
- (a) pre-scheduled to cover a calendar year and the programme recorded before the start of a calendar year sample period; and
 - (b) spot samples collected at approximately equal intervals during the year, including samples from different days of the week and different times. Approximately 10% of samples should be outside the normal sampling window which is 9am-3pm, Monday to Friday.
- 3.3.6 After becoming aware, or following a notification that a sample has not been taken on the schedule 3B Monitoring Programme pre-scheduled date, or is lost, or a result for that sample can not be reported, the operator shall record the details and reschedule the sample.
- 3.3.7 The monitoring programme for the determinands subject to schedule 3C shall be pre-scheduled before each calendar year. Samples must be collected at approximately equal intervals during the year from different days of the week and approximately 10% of samples should be taken at weekends.
- 3.3.8 Continuous recorders, with on-site visual display from which readings may be readily obtained, shall be provided and maintained by the operator enabling the following to be measured and recorded at 15 minute intervals:
- (a) the instantaneous flow rate through each UV irradiation channel;
 - (b) the instantaneous measured applied UV dose for each UV irradiation channel;
 - (c) the number of operational UV lamps for each UV irradiation channel;
 - (d) the instantaneous measured UV transmittance at the inlet to the UV irradiation plant;
 - (e) any other parameters used in calculating the UV dose.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by Natural Resources Wales, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.3 Notifications

4.3.1 Natural Resources Wales shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) Natural Resources Wales shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The operator shall notify the Local Food Authority / Environmental Health Authority in the event of the discharge of sewage in an emergency from any discharge points listed in schedule 3 Table S3.2. Such notification must be made as soon as practicable and no later than 24 hours after the event, and shall detail the reasons why the situation occurred, and the actions taken by the operator.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 Activities

Description of activity	Limits of specified activity
Discharge of secondary treated sewage effluent subject to disinfection by ultra violet irradiation via discharge point	N/A

Table S1.2 Operating techniques

Description of documentation	Parts	Date Received
Management system – Type of Treatment Plant at Bluestone Resorts Limited – December 2014	All documentation	21/7/15

Schedule 2 - Waste types, raw materials and fuels

Wastes are not accepted as part of the permitted activities and there are no restrictions on raw materials or fuels under this schedule.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Effluent and discharge point	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Discharge of secondary treated sewage effluent subject to disinfection by ultra violet irradiation via Discharge point	Maximum daily discharge volume	562 m ³ /day	Total daily volume	N/A	Continuous	Maximum
	ATU-BOD as O ₂	12mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Ammoniacal nitrogen (expressed as N)	5 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105° C)	18 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	ATU-BOD as O ₂ (UWWTD)	70% removal compared to influent	24 hour composite	To be compliant a sample has to meet the 70% removal standard or the 25 mg/l limit not both	As specified in schedule 3C	Look up table (conditions 3.1.4 and 3.1.5 apply)
	COD as O ₂ (UWWTD)	75% removal compared to influent	24 hour composite	To be compliant a sample has to meet the 75% removal standard or the 125 mg/l limit not both	As specified in schedule 3C	Look up table (conditions 3.1.4 and 3.1.5 apply)

Table S3.2 Discharge points

Effluent Name	Discharge Point	Discharge point NGR	Receiving water
Secondary treated sewage effluent subject to disinfection	Discharge point	SN 06317 13695	Penglyn Brook

Table S3.3b UV process details and process limits

Effluent and discharge point	UV source	Dose type	Full dose mJ/cm ² (see condition 2.3.3(b))	50% dose mJ/cm ² (see condition 2.3.3(c))	Effective dates	5%ile transmittance
Discharge of secondary treated sewage effluent subject to disinfection by ultra violet irradiation via discharge point	Broad spectrum medium pressure artificial source	Measured applied	32	16	1st Jan - 31st Dec	

Table S3.4 Monitoring points

Effluent and discharge point	Monitoring type	Monitoring point NGR	Monitoring point reference
Discharge of secondary treated sewage effluent subject to disinfection by ultra violet irradiation via discharge point	Inlet monitoring point	SN 06419 13713	Monitoring Point A
	Flow monitoring point	SN 06413 13719	Monitoring Point B
	Effluent sample point	SN 06413 13719	Monitoring Point B
	Pre UV treatment monitoring point	SN 06419 13713	Monitoring Point A
	Post UV treatment monitoring point	SN 06413 13719	Monitoring Point B
	UV irradiation plant inlet monitoring point	SN 06413 13719	Monitoring Point C
	UV irradiation channel monitoring points	SN 06413 13719	Monitoring Point C

Table S3.5 UV efficacy monitoring point requirements

Monitoring type	Parameters	Monitoring frequency
UV irradiation plant inlet monitoring point	UV transmittance at 254nm	As specified for sanitary determinands in table 3B. Monitoring for all parameters in table S3.5 to coincide.
UV irradiation channel monitoring points	Instantaneous flow rate Measures applied dose	
Post UV treatment monitoring point	Faecal coliforms and faecal streptococci	

Schedule 3A - Look up table

Look up table	
Number of samples taken in any period of 12 months	Maximum number of samples permitted to exceed limit for given parameter
4–7	1
8–16	2
17–28	3
29–40	4
41–53	5
54–67	6
68–81	7
82–95	8
96–110	9
111–125	10
126–140	11
141–155	12
156–171	13
172–187	14
188–203	15
204–219	16
220–235	17
236–251	18
252–268	19
269–284	20
285–300	21
301–317	22
318–334	23
335–350	24
351–365	25

Schedule 3B - OSM tier 3 sampling frequency

Parameter	'Normal frequency' of samples per year	Reduced sampling frequency after 12 consecutive months of numeric permit compliance, samples per year or pro rate over the remainder of a year	On numeric limit failure return to normal frequency as soon as reasonably practicable, samples per 12 months ¹	Out of hours samples
Sanitary	24	12	24	For 24 samples 2 out of hours samples per annum
Non sanitary	12	12	12	For 12 samples 1 out of hours sample per annum

¹ For UV efficacy monitoring use sanitary frequency and increase following failure of UV requirements only.

Schedule 3C – Urban Waste Water Treatment Regulations sampling frequency

Population equivalent	Samples per year	Reduced sampling frequency after a year without an UWWTR exceedance or failure, samples per year	Following an UWWTR exceedance or failure return to the higher frequency in the year that follows, samples per year
2,000 to 9,999	12	4	12
10,000 to 49,999	12	N/A	N/A
50,000 or over	24	N/A	N/A

Schedule 4 - Reporting

Determinands, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data

Determinand	Monitoring point reference	Reporting period	Period begins
UWWTD – BOD and COD	Use reference from monitoring points table	Monthly	1 st of month
Disinfection efficacy Parameter required by condition 3.3.1 and table S3.5	Use reference from monitoring points table	Quarterly or as agreed in writing by Natural Resources Wales	1 January, 1 April, 1 July, 1 October

Table S4.2 Reporting forms

Determinand	Reporting format
15-minute flow	WISKI electronic format specified by Natural Resources Wales
UWWTD – BOD, COD	Electronic format specified by Natural Resources Wales
Disinfection efficacy – Faecal coliforms and Faecal Streptococci	Table format, stating inlet sample result, outlet sample result and calculated log reduction or some other form as agreed in writing by Natural Resources Wales

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection
--

Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit
--

To be notified within 24 hours of detection unless otherwise specified below

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

“accident” means an accident that may result in pollution.

“annually” means once every year.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“ATU-BOD as O₂” means the biochemical oxygen demand (measured after 5 days at 20° C with nitrification suppressed by the addition of allylthiourea).

“COD as O₂” means the chemical oxygen demand (measured using the standard dichromate procedure).

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“MCERTS” means Natural Resources Wales Monitoring Certification Scheme.

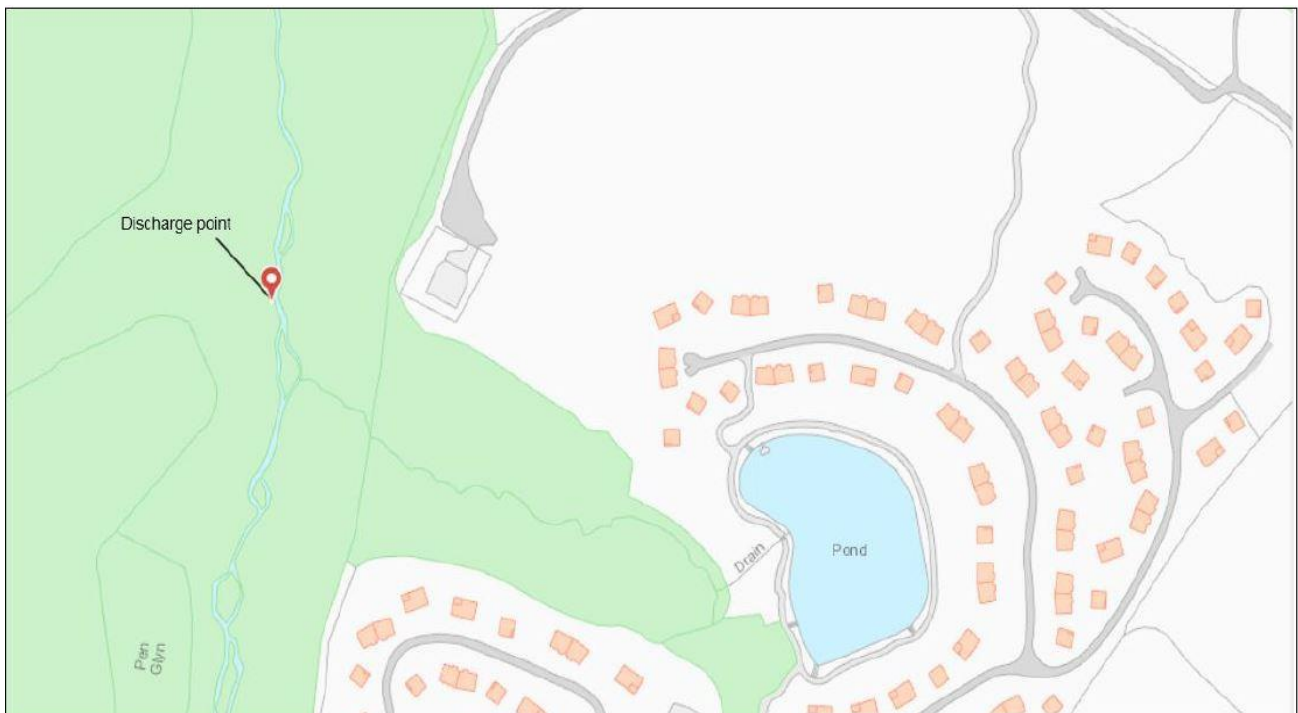
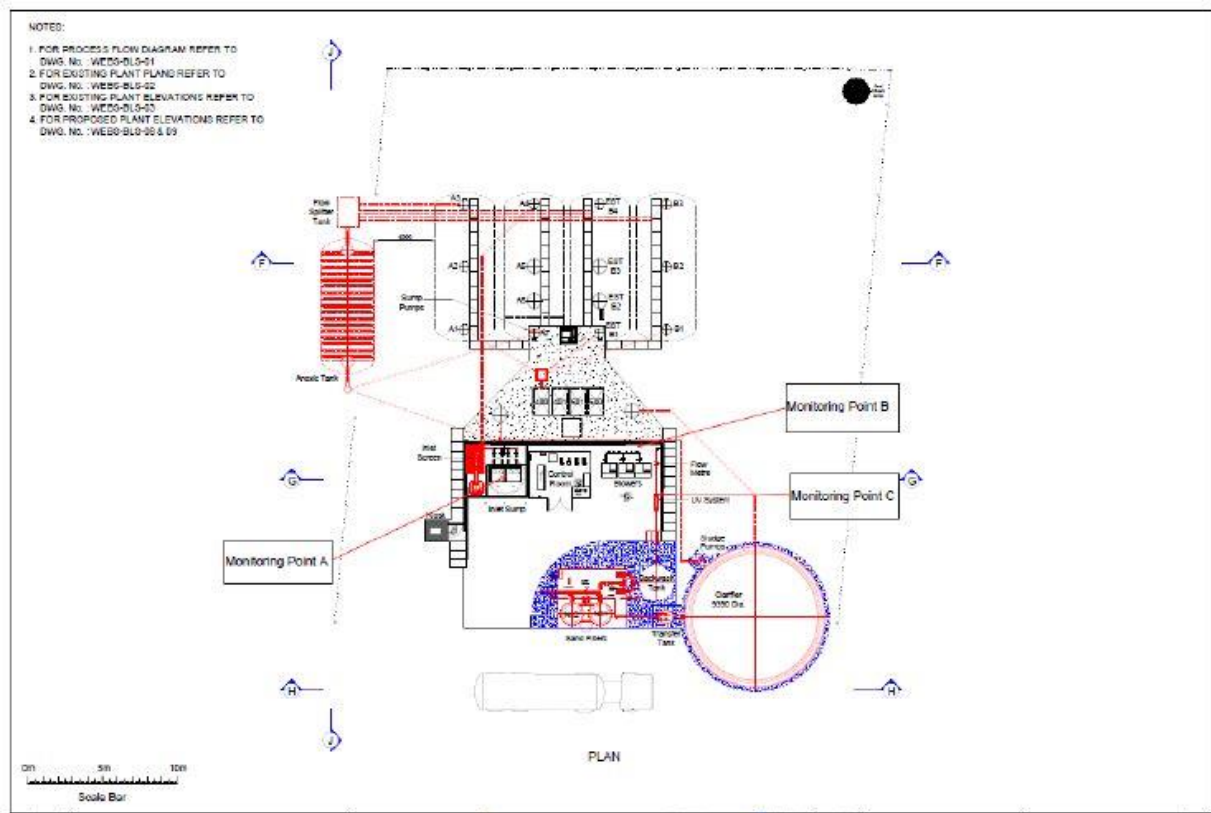
“Natural Resources Wales” means the Natural Resources Body for Wales established by article 3 of the Natural Resources Body for Wales (Establishment) Order 2012. The Natural Resources Body for Wales (Functions) Order 2013 transferred the relevant functions of the Countryside Council for Wales, and functions of the Environment Agency and the Forestry Commission in Wales to the Natural Resources Body for Wales.

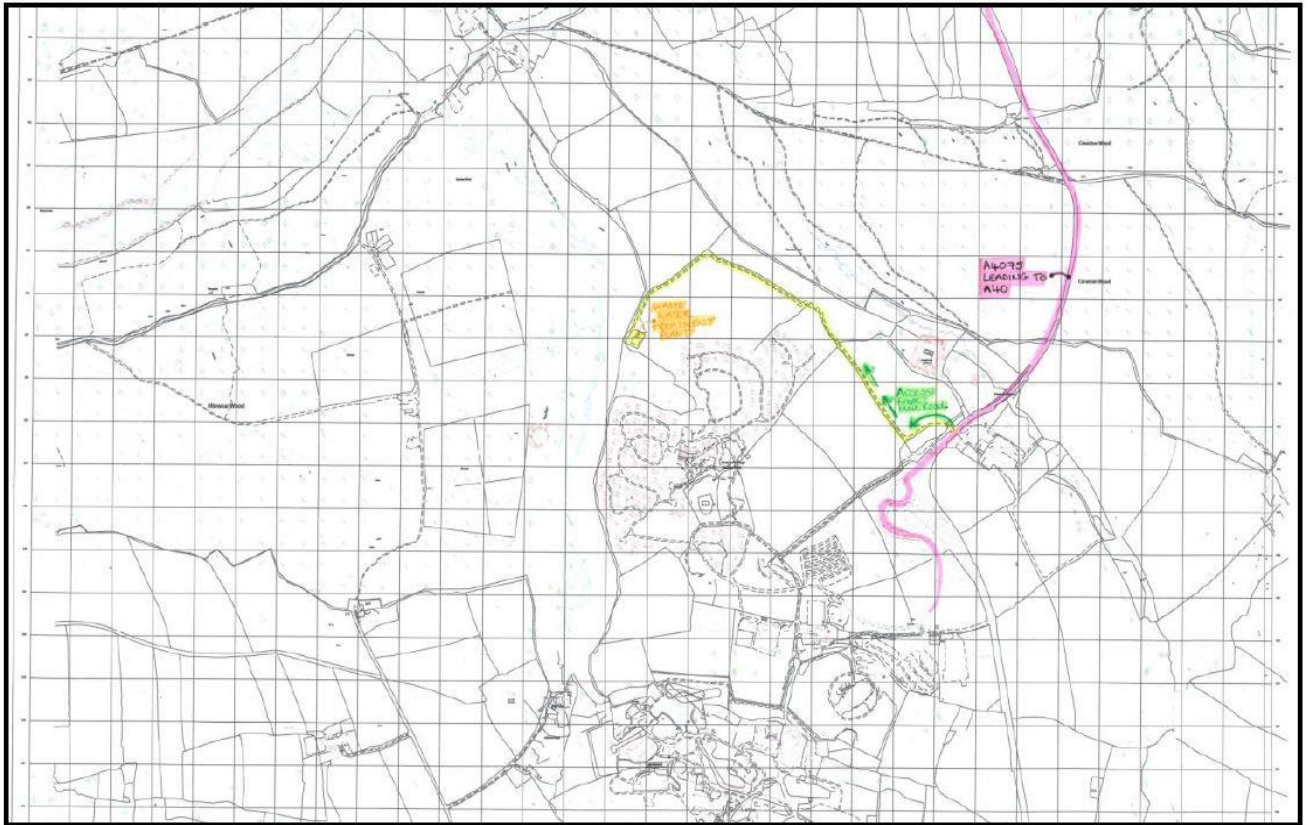
“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“Urban Waste Water Treatment (England and Wales) Regulations 1994” means Urban Waste Water Treatment (England and Wales) Regulations 1994 SI 2841 and the words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“year” means calendar year ending 31 December.

Schedule 7 - Site plan





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END OF PERMIT