



SYNTHITE LIMITED

ALYN WORKS, DENBIGH ROAD, MOLD,
FLINTSHIRE, UNITED KINGDOM CH7 1BT

A Member of the Tennant Group (Est. 1797)

Registered Office No: 164640

Telephone: 01352 752521

Fax: 01352 700182

Jayme Mountford
Synthite Ltd.
Denbigh Road
Mold
Flintshire
CH2 2AT

22nd March 2019

Siân McGregor-Andrew
Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Dear Ms. McGregor-Andrew,

RE: Emission limits to sewer

Synthite Ltd.'s trade effluent agreement with Dŵr Cymru was varied with effect 22nd February 2019. We wish to apply for a minor operational change in our EPR permit for discharge of trade effluent to sewer.

Following a successful application we would continue with the monitoring and reporting frequencies in the permit to maintain compliance.

Yours sincerely,

Jayme Mountford
Technical Manager
jayme@synthite.co.uk

Enclosure:

Notice of direction varying a consent to discharge trade effluent from trade premises into a sewer (Consent number – 705176).



Direction 2

Consent Number - 705 176

DWR CYMRU CYFYNGEDIG/WELSH WATER LTD
WATER INDUSTRY ACT 1991

**NOTICE OF DIRECTION VARYING A CONSENT TO DISCHARGE TRADE
EFFLUENT FROM TRADE PREMISES INTO A SEWER.**

TO : Synthite Ltd The Owner of the trade premises (hereinafter called "the Occupiers")
whose registered office is situated at **Alyn Works, Denbigh Road, Mold, Flintshire.**

RECITALS.

1. A consent ('the Consent') to discharge trade effluent into the public sewer subject to conditions was issued by Dwr Cymru Cyfyngedig (the undertaker)(or its predecessor) on the 24th day of August 1988 from trade premises at; **Alyn Works, Denbigh Road, Mold, Flintshire.**
2. Notices of direction ('the previous directions') were given in respect of said discharge on the 1st day of June 2012 (Direction 1)
3. Except in so far as they are varied by this direction the conditions and provisions of the consent and the previous directions shall remain in force and shall apply to the discharge.

The undertaker hereby gives notice of its directions that the conditions attached to the consent as varied with effect the 22 day of February 2019 by :-

- (i) The revocation of the conditions contained in any previous directions and
- (ii) The substitution for those conditions of the following conditions

DWR CYMRU CYFYNGEDIG
WATER INDUSTRY ACT 1991

**CONDITIONAL CONSENT TO THE DISCHARGE
OF TRADE EFFLUENT TO THE PUBLIC SEWER.**

TO : Synthite Ltd. The Owner of the trade premises (hereinafter called "the Occupiers") whose registered office is situated at **Alyn Works, Denbigh Road, Mold, Flintshire.**

RECITALS.

1. On the 17th day of August 1988 you applied for consent under Section 119 of the Water Industry Act 1991 for consent to discharge trade effluent from the following trade premises known as **Synthite** (or its predecessors) and situated at **Alyn Works, Denbigh Road, Mold, Flintshire.** (hereinafter, the application) and which trade premises are for the purpose of identification only shown on the location plan attached hereto and marked "A" (hereinafter, "the said trade premises").
2. Compliance with the conditions hereunder shall be ascertained by reference to the method of analysis as from time to time employed by the Undertaker, its servants, agents or contractors, save where the said condition(s) otherwise expressly provide(s)

DWR CYMRU CYFYNGEDIG ("the Undertaker") in the exercise of its powers under Section 121 of the Water Industry Act 1991, and thinking it fit to impose conditions as hereinafter appear, **GIVES ITS CONSENT** to the discharge of trade effluent from the said trade premises into the Undertaker's public sewers, **SUBJECT TO THE FOLLOWING CONDITIONS AND NOT OTHERWISE.**

- (1) The public sewer(s) into which the trade effluent may be discharged is the **Denbigh Road sewer** more particularly identified by means of a line(s) coloured RED drawn on the plan attached hereto and marked "B".

- (2) The discharge of trade effluent shall be made at the point marked "X" on the said plan and the said trade effluent shall enter into the public sewer shown on the said plan at the point marked "Y" thereon and nor otherwise. Further, no connection, linkage, conduit, pipe, channel or other communication whatsoever shall be made to the said sewer between the said points "X" and "Y" (without the prior approval in writing of the Undertaker).
- (3) The trade effluent to be discharged shall consist solely that which is specified in the Application and derived (exclusively) from the **Manufacturing of Formaldehyde, Manufacture of Formaldehyde based products and chemical blending.**
- (4) Without prejudice to condition 3 above, the nature and/or composition of the trade effluent which may be discharged is as specified in the FIRST SCHEDULE hereto.
- (5) The trade effluent shall not include any of the substances or properties listed in the SECOND SCHEDULE hereto in concentration greater than stated therein.
- (6) The maximum quantity of trade effluent discharged on any day (being any continuous 24 hour period) shall not exceed **300 cubic meters.**
- (7) The highest rate at which trade effluent may be discharged shall not exceed **3.5 litre a second.**
- (8) The trade effluent shall only be discharged into the public sewer(s) from 0.00 hours to 2400 hours (on the following days each week, namely Monday to Sunday).
- (9) There shall be eliminated from the trade effluent before it is discharged the matters listed below:
- a) Effluent with a temperature in excess of 43° Celsius (110° Fahrenheit);
 - b) Calcium Carbide;
 - c) Petroleum Spirit within the meaning of Section 111 of the Water Industry Act 1991, save otherwise permitted herein:

- d) Other material forming a constituent of the trade effluent, whether along or in combination with other materials, specified hereby as that which is explosive;
 - e) Any other substance forming a constituent of the trade effluent which is hereby specified as that which is likely to injure the sewers or to interfere with the free flow of their contents or to affect prejudicially the treatment and disposal of their contents.
- (11) No trade effluent shall be discharged the pH value of which is less than **5** or **greater than 9**
- (12) No trade effluent shall be discharged the nature or composition of which includes a matter, substance, property or matters, substances or properties which would constitute the trade effluent as Special Category Effluent within the meaning of Section 138 of the Water Industry Act 1991.
- (13) The Occupier shall give to the Undertaker prior written notice of any change in the process of manufacture, materials, or other circumstances howsoever arising capable of altering the nature and/or composition of the trade effluent. No new substances or properties shall be discharged until the Undertaker has agreed thereto, either with or without imposing a limit and thereafter the said substance(s) and/or property(ies) shall be deemed incorporated into the SECOND SCHEDULE.
- (14) An inspection chamber or manhole shall be provided and maintained by the Occupier in a suitable position and/or at the point(s) marked "X" on the plan annexed hereto in connection with each pipe through which the trade effluent is discharged and such inspection chamber or manhole shall be constructed and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the occupier so as to enable a person readily at any time to take samples of the trade effluent being discharged.
- (15) A notch gauge, continuous recorder or some other apparatus suitable and adequate to the Undertaker for measuring and automatically recording the volume and rate of trade effluent so discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.

- (16) Apparatus capable of accurately determining, measuring and recording the nature and/or composition of the trade effluent discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.
- (17) The Occupier shall keep records of the volume, rate, nature and/or composition of the trade effluent discharged into the sewer(s) at all times available for inspection by any authorised officer of the Undertaker and copies of such records shall be sent to the Undertaker on demand.
- (18) (a) The Occupier shall pay to the Undertaker charges for the reception, conveyance, treatment and disposal of the trade effluent and the costs of sampling, measuring and/or analysis of the same under the Undertaker's trade effluent's functions, which charges shall be determined as set out below, and all sums payable under this condition shall be payable upon demand;
- (b) The charges under (a) above shall be calculated in accordance with Undertaker's Scheme of Charges as from time to time amended;
- (c) For the avoidance of doubt, the charge shall be payable by any person who is or was the Occupier of the said trade premises during the period of discharge of the trade effluent or at the time payment is due.
- (19) If the notch gauge, meter, recorder or other apparatus ceases to record or is suspected of not recording and/or measuring accurately, the quantity of trade effluent discharged into the sewer(s) during the period from the date and/or time at which the records were last accepted by the Undertaker as being correct up to the date when the notch gauge, meter, recorder or other apparatus again registers accurately shall for the purpose of any payment to be made under these conditions be based on the average daily volume of trade effluent discharged during the preceding period over which the records were last accepted by the Undertaker as being accurate or during the month immediately after the notch, gauge, meter, recorder or other apparatus or means of measurement and recording has been accurate whichever is the higher.

YOUR RIGHT OF APPEAL

Any person aggrieved by: -

The refusal of a Sewage Undertaker to give consent for which application has been made to the Undertaker under Section 119 of the Water Industry Act 1991; or

Any condition attached by a Sewage Undertaker to such consent may appeal to the Director General of Water Services.

On an appeal in respect of a refusal to give consent, the Director may give the necessary consent either unconditionally or subject to such conditions as he thinks fit to impose.

On an appeal in respect of a condition the Director may take into review all the conditions whether appealed against or not and may substitute for them any other set of conditions (whether more or less favourable to the Appellant) or annul any of the conditions and may include provision as to the charges to be made in pursuance of any condition attached to a consent for any period before the determination of the appeal.

On any appeal the Director may give direction that the trade effluent shall not be discharged until a specified date.

FAILURE TO COMPLY WITH CONDITIONS.

If in the case of any trade premises a condition is contravened, the Occupier of the premises will be guilty of an offence and liable on conviction by a Magistrates' Court to a fine not exceeding the statutory maximum or on conviction by the Crown Court to an unlimited fine.

DATED

26th

day of February

2019

For and on behalf of the Company

L Gaslin

Designation:

Wastewater Science Manager

Address of Division:

Northern Division
Dinas Depot
Llanwnda
Caernarfon
Gwynedd
LL54 5UD

FIRST SCHEDULE

- (1) Effluent derived from the **Manufacture of Formaldehyde, Manufacture of Formaldehyde based Products and Chemical Blending.**
- (2) Water (including such elements, compounds and organisms normally present in water at trace or harmless levels and not exceeding such levels that as may be imposed by regulations for the time being regulating the quality drinking water)

SECOND SCHEDULE.

PART A (Applicable to spot samples)

- (1) The trade effluent shall have a pH value of not less than 5 nor greater than 9 at the point of entry into the sewer
- (2) Ammonia (as Nitrogen) shall not exceed **50 milligrams per litre**
- (3) The Formaldehyde of the trade effluent shall not exceed **10 milligrams per litre**
- (4) The Methanol of the trade effluent shall not exceed **10 milligrams per litre**
- (5) Total suspended solids of the trade effluent shall not exceed **400 milligrams per litre**
- (6) The chemical oxygen demand of the trade effluent after one-hour quiescent settlement shall not exceed **800 milligrams per litre.**

PART B (Applicable to composite samples)

- (7) The trade effluent shall have a pH value of not less than 5 nor greater than 9 at the point of entry into the sewer
- (8) Ammonia (as Nitrogen) shall not exceed **50 milligrams per litre**
- (9) The Formaldehyde of the trade effluent shall not exceed **10 milligrams per litre**
- (10) The Methanol of the trade effluent shall not exceed **10 milligrams per litre**
- (11) Total suspended solids of the trade effluent shall not exceed **400 milligrams per litre**
- (12) The chemical oxygen demand of the trade effluent after one-hour quiescent settlement shall not exceed **800 milligrams per litre.**

THIRD SCHEDULE

Not applicable.