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Permit Reference Number: BU23349

Operator: Synthite Limited

Installation: Mold Chemicals (Alyn Works)

Form Number: S1

Reporting of Emissions to Sewer for the period from 01/01/15 to 31/03/15

Emissions to Sewer									
Emission Point	Substance / Parameter	Emission Limit Value [6]	Result [1]	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty [5]		
S1	pH	5 – 9 [7]	7.2 – 12.8	pH Meter	06/02/15, 23/02/15	None	20%		
	Suspended solids	400mg/l	136	GFA ISO11929:1997	29/01/15	None	20%		
	Formaldehyde	40mg/l	4.68	DNPH/HPLC	02/03/15	None	30%		
	Methanol	40mg/l	10.1	Gas Chromatography	14/01/15	None	20%		
	Ammonia (Unionised as N)	25mg/l	39.0	Ion Selective Electrode	23/01/15	None	20%		
	COD	1500mg/l	333	Dichromate ISO6060:1989	07/01/15	None	20%		
	Grease and Oils	10mg/l	<10	Gas Chromatography	All samples within quarter	None	20%		
	Volumetric Flow Rate	300m3/day [8]	296	Meter (ISBN 011752364X)	27/02/15	None	20%		
	Temperature	40°C	28	Calibrated Thermometer	13/01/15	None	20%		
Other Monitoring Points									
B/H1	Groundwater level	n/a	3.67	Dip Tape	19/02/15	None	10%		
	Formaldehyde	n/a	0.06	DNPH/HPLC	19/02/15	None	30%		
B/H8	Groundwater level	n/a	1.33	Dip Tape	19/02/15	None	10%		
	Formaldehyde	n/a	0.00	DNPH/HPLC	19/02/15	None	30%		
B/H9	Groundwater level	n/a	2.76	Dip Tape	19/02/15	None	10%		
	Formaldehyde	n/a	0.00	DNPH/HPLC	19/02/15	None	30%		
B/H10	Groundwater level	n/a	2.68	Dip Tape	19/02/15	None	10%		
	Formaldehyde	n/a	0.00	DNPH/HPLC	19/02/15	None	30%		
B/HA	Groundwater level	n/a	2.80	Dip Tape	19/02/15	None	10%		
	Formaldehyde	n/a	0.00	DNPH/HPLC	19/02/15	None	30%		

RETURNING RETURNS N. WAL

INITIALS DATE

CHECKED VS AUTHORITY

RACKING

OK FOR PUBLIC REGISTER

Emission Point	Substance / Parameter	Emission Limit Value [6]	Result [9]	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty [5]
B/HB	Groundwater level	n/a	6.53	Dip Tape	19/02/15	None	10%
	Formaldehyde	n/a	0.00	DNPH/HPLC	19/02/15	None	30%
SP4	Groundwater level	n/a	1.75	Dip Tape	19/02/15	None	10%
	Formaldehyde	n/a	0.00	DNPH/HPLC	19/02/15	None	30%
Culvert Pump	Formaldehyde	n/a	15	Titration using sulphite method	18/03/15	None	30%

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colourimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

[6] The emission limit values are expressed as instantaneous.

[7] The emission limit values for pH are expressed as minimum and maximum individual values.

[8] The emission limit value for volumetric flow rate is expressed as a daily maximum.

[9] Readings are in metres below the respective borehole surface.

Signed ...

Date...29/04/2015.....

(Authorised to sign as representative of the Operator)