

Operator : IR Newport Limited

Form Number : S1

Reporting of Emissions to Sewer for the period from ...January 2016.....to.....June 2016.....

Emissions to Sewer							
Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
S1	pH	Minimum 6 Maximum 11	6.0 8.7	Welsh Water Sample - analysis by Seven Trent Laboratories	28-Jan-2016 @ 11:04 am 05-Apr-2016 @ 11:05 am	ISO 17025:2005 No.1314, No.1229, No.1510	Not Known
S1	Suspended solids		66 mg/l	Welsh Water Sample - analysis by Seven Trent Laboratories	05-Apr-2016 @ 11:05 am	As above	Not Known
S1	Chemical Oxygen Demand		553 mg/l	As above	25-May-2016 @ 10:56 am	As above	Not Known
S1	Copper		< 0.1 mg/l	As above	As above	As above	Not Known
S1	Nickel		< 0.1 mg/l	As above	As above	As above	Not Known
S1	Zinc		< 0.1 mg/l	As above	As above	As above	Not Known
S1	Chromium		< 0.1 mg/l	As above	As above	As above	Not Known
S1	Sulphate		1064 mg/l	As above	22-Mar-2016 @ 11:06 am	As above	Not Known
S1	Flow	Max limit 100m³/hr	78 m³/hr 50 m³/hr	Continuous monitoring	Maximum trade effluent volume. Average trade effluent volume.		

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated) – (The basis of any other uncertainty figure needs to be stated. Where no figure is available the Agency will need to agree an appropriate uncertainty value.)

Signed Al Lambie

Date 26/7/16

Notes for Effluent Submission, January to June 2016

Chemical Oxygen Demand (total COD)

Highest result 553 recorded 25th May 2016

We contacted Welsh Water to discuss and receive approval for a new waste stream for liquid grinding waste which we believed would increase our suspended solids release.

Additional monitoring was undertaken which identified an unexpected increase in COD caused by the use of a bio-inhibitor. The result reported above occurred during the time we were evolving an optimal dosing regime.

We continue to monitor our effluent outfall and can confirm all measures are back within release limits.