

Headquarters  
P.O. Box 3000  
Johnstown Castle Estate  
County Wexford  
Ireland

TECHNICAL AMENDMENT A  
TO  
INDUSTRIAL EMISSIONS LICENCE

<b>Licence Register Number:</b>	P0269-02
<b>Licensee:</b>	Basta Parsons Limited
<b>Location of Installation:</b>	Gallagher Road Tubbercurry County Sligo



## ***Reasons for the Decision***

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. P0269-02 granted on the 12/03/2013 (and amended on the 18/12/2013), as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 83(5) of the Environmental Protection Agency Act 1992 as amended.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activity, individually or in combination with other plans or projects, is likely to have a significant effect on any European Site. In this context, particular attention was paid to the European site on the River Moy (SAC site code: 002298).

The Agency considered, for the reasons set out below, that the activity is not directly connected with or necessary to the management of any European site and that it can be excluded, on the basis of objective information, that the activity, individually or in combination with other plans or projects will have a significant effect on any European site, and accordingly the Agency determined that an Appropriate Assessment of the activity was not required.

This determination was made in light of the nature of the alterations to the emissions to the environment; the connection of the installation to the sewer network will allow further reduction of the BOD and nutrient load in its process discharge; in particular when the proposed upgrade of the Tubbercurry wastewater treatment plant has been completed. It has therefore been determined that the project is not likely to have a significant negative effect on a European Site.

## ***Technical Amendment***

In pursuance of the powers conferred on it by Section 96(1) (c) of the Environmental Protection Agency Act 1992 as amended, the Agency amends the licence, granted to Basta Parsons Limited, Gallagher Road, Tubbercurry.

Henceforth, the licence shall be read in conjunction with a Section 82A(11) Amendment issued on the 18/12/2013, and the amendments set out below.

This technical amendment is limited to the following conditions and schedules:

# Amendments

## Amended Schedules

*Amend Schedules B.2, B.3, C.2.1, C.2.2, C3.1 and C.3.2 of the existing licence as follows:*

### B.2 Emissions to Water <sup>Note 1</sup>

Emission Point Reference No: SW1  
 Name of Receiving Waters: Tubbercurry River  
 Location: Discharge at lowest point of weir  
 Volume to be emitted: Maximum in any one 192 m<sup>3</sup> day:  
 Maximum in any one 8m<sup>3</sup> hour:

Parameter	Emission Limit Value	
	Emission limit values will apply until the 22 <sup>nd</sup> December 2015 (mg/l)	Emission limit values will apply after the 22 <sup>nd</sup> December 2015 (mg/l)
Temperature	25 °C (max) <sup>Note 2</sup>	
pH	6 - 9	
Toxicity	5 TU	
BOD	20	13
COD	100	100
Suspended Solids	30	30
Fats, Oils and Greases	20	20
Nitrates (as N)	15	15
Ammonia (as N)	10	0.85
Ortho-phosphate (as P)	2	0.45
Cyanide (mg/l)	0.05	0.05
Zinc	0.5	0.5
Nickel	0.5	0.5
Copper	0.5	0.5
Chromium VI	0.1	0.1
Cadmium	0.1	0.075

Note 1: Discharge to cease upon the commencement of the discharge to sewer specified in Schedule B.3 of this licence.

Note 2: Subject to Condition 5.5 of this licence

**B.3 Emissions to Sewer** <sup>Note 1</sup>

Emission Point Reference No: SW1  
 Name of Receiving Waters: Irish Water sewer  
 Location: Eastern side of site, adjacent to on-site WWTP  
 Volume to be emitted: Maximum in any one 192 m<sup>3</sup> day:  
 Maximum rate per 8 m<sup>3</sup> hour:

Parameter	Emission Limit Value
Temperature	25 °C (max)
pH	6 - 9
Toxicity	5 TU
	(mg/l)
BOD	20
COD	100
Suspended Solids	30
Fats, Oils and Greases	20
Nitrates (as N)	15
Ammonia (as N)	10
Ortho-phosphate (as P)	2
Cyanide (mg/l)	0.05
Zinc	0.5
Nickel	0.5
Copper	0.5
Chromium VI	0.1
Cadmium	0.075

Note 1: Discharge to waters specified in Schedule B.2 shall cease prior to the commencement of this discharge.

**C.2.1. Control of Emissions to Water** <sup>Note 1</sup>

Emission Point Reference No:

SW1

Description of Treatment:

On-site Waste Water Treatment Plant

<b>Control Parameter</b>	<b>Monitoring</b>	<b>Key Equipment</b> <sup>Note 2</sup>
<b>Effluent (pH) increase</b>	pH output from effluent sump	Dosing pump Agitator Effluent sump
<b>Suspended Solids</b>		Rennovexx microfiltration
<b>pH correction</b>	Effluent from the correction tank after acid dosing	Dosing pump pH correction tank

**Note 1:** Control requirements specified in this schedule shall cease upon commencement of the discharge to sewer specified in Schedule B.3.

**Note 2:** The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.





**C.2.2. Monitoring of Emissions to Water** <sup>Note 1</sup>

Emission Point Reference No: SW1

Control Parameter	Monitoring Frequency	Key Equipment/Technique
Flow	Continuous	On-line flow meter with recorder
Temperature	Daily <sup>Note 2</sup> Weekly	temperature probe
pH	Weekly	pH electrode meter
Chemical Oxygen Demand	Daily <sup>Note 3</sup>	Standard Method
Biochemical Oxygen Demand	Bi-annually <sup>Note 3</sup>	Standard Method
Suspended Solids	Bi-annually <sup>Note 3</sup>	Standard Method
Ammonia (as N)	Bi-annually	Standard Method
Ortho phosphate (as P)	Bi-annually <sup>Note 3</sup>	Standard Method
Phenols	Bi-annually	Standard Method
Cyanide	Daily	Standard Method
Zinc	Weekly	Standard Method
Nickel	Weekly	Standard Method
Copper	Weekly	Standard Method
Chromium VI	Weekly	Standard Method
Cadmium	Bi-annually	Standard Method
Total Chromium	Weekly	Standard Method
Total Heavy Metals	Weekly <sup>Note 3</sup>	Standard Method
Priority Substances <sup>Note 4</sup>	Annually	Standard Method
Oils, fats and greases	Bi-annually	Standard Method
Toxicity <sup>Note 5</sup>	Annually (24 hour flow proportional composite)	To be agreed by the Agency

**Note 1:** Monitoring requirements specified in this schedule shall cease upon commencement of the discharge to sewer specified in Schedule B.3.

**Note 2:** Total effluent discharged over the 24 hour period in which the composite sample is collected shall be recorded.

**Note 3:** All samples shall be collected on a 24 hour flow proportional composite sampling basis.

**Note 4:** The relevant priority substances or pollutants for monitoring shall be identified by the licensee by undertaking a risk based assessment. The Licensee shall have regard to "Guidance on the Screening for Priority Substances for Waste Water Discharge Licences" issued by the Agency. Monitoring for the identified priority substances or pollutants shall be carried out at least annually, unless a case for less frequent monitoring is agreed by the Agency.

**Note 5:** The number of toxic units (Tu) = 100 x hour EC LC<sub>50</sub> in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.

**C.3.1. Control of Emissions to Sewer** <sup>Note 1</sup>

Emission Point Reference No: SW1  
 Description of Treatment: On-site Waste Water Treatment Plant

<b>Control Parameter</b>	<b>Monitoring</b>	<b>Key Equipment</b> <sup>Note 2</sup>
<b>Effluent (pH) increase</b>	pH output from effluent sump	Dosing pump Agitator Effluent sump
<b>Suspended Solids</b>		Removexx microfiltration
<b>pH correction</b>	Effluent from the correction tank after acid dosing	Dosing pump pH correction tank

**Note 1:** Control requirements specified in this schedule shall apply upon commencement of the discharge to sewer specified in Schedule B.3.

**Note 2:** The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



**C.3.2. Monitoring of Emissions to Sewer**

Emission Point Reference No: SW1

<b>Control Parameter</b>	<b>Monitoring Frequency</b>	<b>Key Equipment/Technique</b>
<b>Flow</b>	Continuous Daily <sup>Note 2</sup>	On-line flow meter with recorder
<b>Temperature</b>	Weekly	temperature probe
<b>pH</b>	Weekly	pH electrode meter
<b>Chemical Oxygen Demand</b>	Daily <sup>Note 3</sup>	Standard Method
<b>Biochemical Oxygen Demand</b>	Bi-annually <sup>Note 3</sup>	Standard Method
<b>Suspended Solids</b>	Bi-annually <sup>Note 3</sup>	Standard Method
<b>Ammonia (as N)</b>	Bi-annually	Standard Method
<b>Ortho phosphate (as P)</b>	Bi-annually <sup>Note 3</sup>	Standard Method
<b>Phenols</b>	Bi-annually	Standard Method
<b>Cyanide</b>	Daily	Standard Method
<b>Zinc</b>	Weekly	Standard Method
<b>Nickel</b>	Weekly	Standard Method
<b>Copper</b>	Weekly	Standard Method
<b>Chromium VI</b>	Weekly	Standard Method
<b>Cadmium</b>	Bi-annually	Standard Method
<b>Total Chromium</b>	Weekly	Standard Method
<b>Total Heavy Metals</b>	Weekly <sup>Note 3</sup>	Standard Method
<b>Priority Substances</b> <sup>Note 4</sup>	Annually	Standard Method
<b>Oils, fats and greases</b>	Bi-annually	Standard Method
<b>Toxicity</b> <sup>Note 5</sup>	Annually (24 hour flow proportional composite)	To be agreed by the Agency

**Note 1:** Monitoring requirements specified in this schedule shall apply upon commencement of the discharge to sewer specified in Schedule B.3.

**Note 2:** Total effluent discharged over the 24 hour period in which the composite sample is collected shall be recorded

**Note 3:** All samples shall be collected on a 24 hour flow proportional composite sampling basis.

**Note 4:** The relevant priority substances or pollutants for monitoring shall be identified by the licensee by undertaking a risk based assessment. The Licensee shall have regard to "Guidance on the Screening for Priority Substances for Waste Water Discharge Licences" issued by the Agency. Monitoring for the identified priority substances or pollutants shall be carried out at least annually, unless a case for less frequent monitoring is agreed by the Agency.

**Note 5:** The number of toxic units (Tu) = 100 x hour LC 1Cs, in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.



## Amended Conditions

*Amend Condition 4.3 of the existing licence to read as follows:*

- 4.3 Emission limit values for emissions to sewer or to waters in this licence shall be interpreted in the following way:
- 4.3.1 Continuous Monitoring
- (i) No flow value shall exceed the specific limit.
  - (ii) No pH value shall deviate from the specified range.
  - (iii) No temperature value shall exceed the limit value.
- 4.3.2 Composite Sampling
- (i) No pH value shall deviate from the specified range.
  - (ii) For parameters other than pH and flow, eight out of ten consecutive composite results, based on flow proportional composite sampling, shall not exceed the emission limit value. From the 22<sup>nd</sup> December 2015 for total ammonia and ortho-phosphate no individual results similarly calculated shall exceed 2 times the emission limit value. For all other parameters, no individual results similarly calculated shall exceed 1.2 times the emission limit value.
- 4.3.3 Discrete Sampling
- For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value. From the 22<sup>nd</sup> December 2015 for total ammonia and ortho-phosphate no grab sample shall exceed two times the emission limit value.

*Amend Condition 5.5 of the existing licence to read as follows:*

- 5.5 Discharges to waters from the installation shall not artificially increase the ambient temperature of the receiving water by more than 1.5°C outside the mixing zone. In relation to temperature, the mixing zone shall not exceed 25% of the cross sectional area of the river at any point.


*Amend Condition 6.19 of the existing licence to read as follows:*

- 6.19 Subject to the connection of the discharges to sewer as specified in Schedule B.3 of this licence, the licensee shall, before the 22<sup>nd</sup> December 2017, submit to the Agency for agreement a proposal for the relocation of the final effluent discharge point to the Tubbercurry River. Having regard to the proposal submitted the licensee shall, in agreement with the Agency implement the agreed proposal before the 22<sup>nd</sup> December 2018.

This technical amendment shall be cited as Amendment A to the licence.

**Sealed by the Seal of the Agency on this the 16<sup>th</sup> day of August, 2016**

**PRESENT** when the seal of the Agency was affixed hereto



A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke extending to the right.

**Mary Turner, Authorised Person**

