

Mr. Gerry O' Beirne
Director of Service, Environment
Cork City Council
City Hall
Cork

10/03/2011

Reg No: W0257-01

Dear Mr. O' Beirne

I am to advise you that the Agency has received an application for a Waste Licence from Country Clean Recycling Ltd, for a facility located at Country Clean Recycling Ltd, Churchfield Industrial Estate, John F. Connolly Rd, County Cork, .

The applicant proposes, as part of this application, to provide for the discharge of process effluent to a sewer, which the applicant has stated is vested in, or controlled by, your Council. Process effluent includes trade effluent or other matter (other than domestic sewage or storm water). I enclose copy extracts from the application form, which detail proposed discharges.

I would appreciate it if you could confirm whether or not an Order under Section 22 of the Local Government (Water Pollution) (Amendment) Act, 1990, was made and confirmed by your Council, in respect of this sewer, and if so, could you please furnish the Agency with a copy of same.

The provisions of Section 52 of the Waste Management Acts, 1996 to 2010, provides that the Agency shall obtain the consent of the sanitary authority to the proposed discharge from an activity which involves the discharge of trade effluent or other matter (other than domestic sewage or storm water), to a sewer vested in or controlled by a sanitary authority.

In order to expedite the Agency's consideration of this waste licence application, I am to request your authority's consent to the proposed discharge/s. It should be noted that, your authority's consent may be subject to such conditions as your authority considers appropriate as provided for in Section 52 of the Waste Management Acts, 1996 to 2010 and Section 99E(3) of the Environmental Protection Agency Acts, 1992 and 2007. Your attention is drawn to paragraphs (3) and (4) of the attached copy of the relevant section of the Act. For your convenience please find attached a reply form including a list of draft conditions compiled by the Agency.

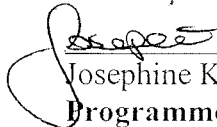




In accordance with paragraph (2) of this section of the Act, you are requested to forward your response within 5 weeks of the date of this letter. Please note that any decision given after the expiry period shall be invalid and in those circumstances the Agency may proceed to determine the application concerned as if consent was obtained. Stuart Huskisson is dealing with this matter and can be contacted at the Licensing Unit, Office of Climate, Licensing & Resource Use (Tel. No. 053 9160600), if you have any queries.

Your co-operation in this matter is appreciated.

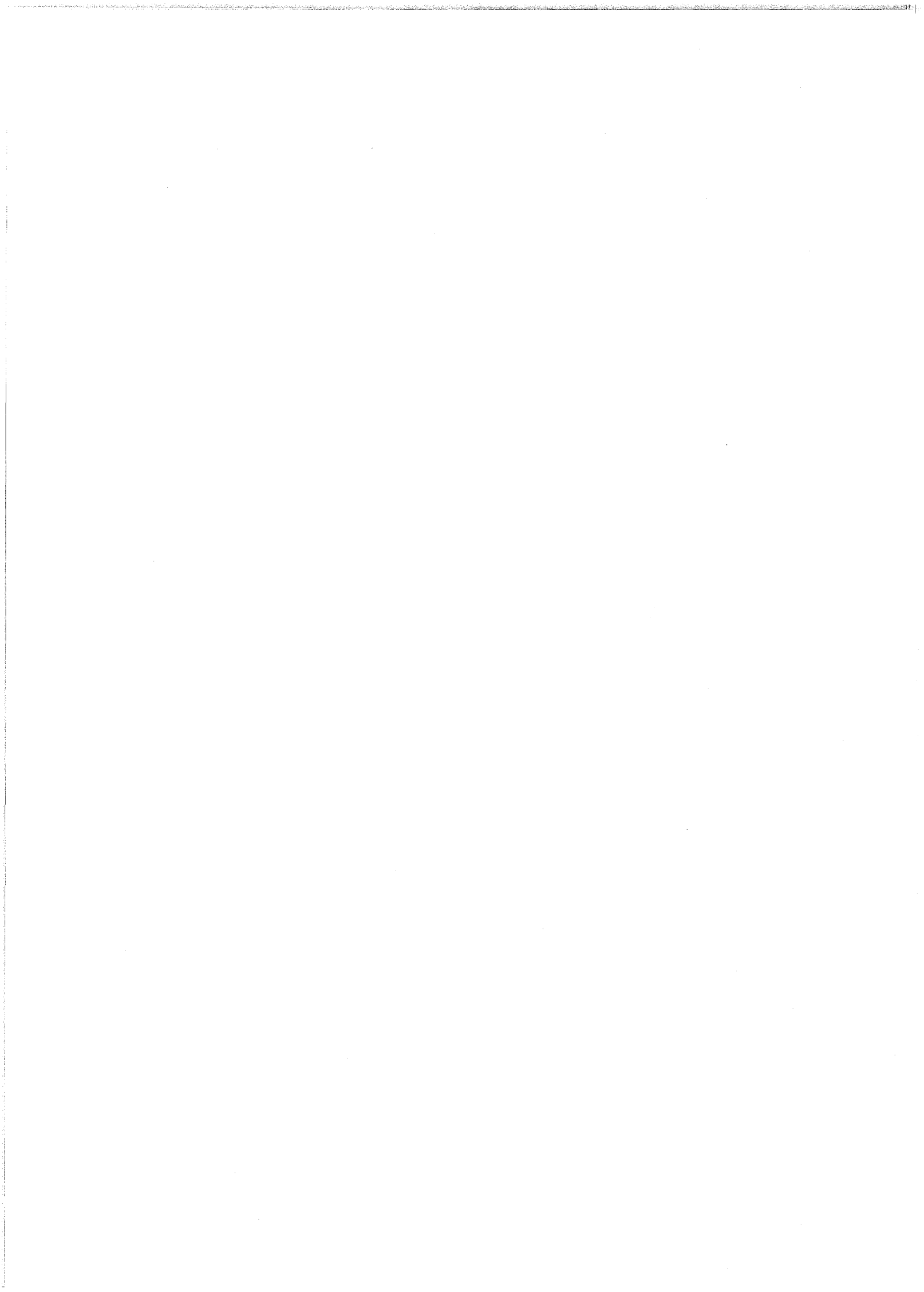
Yours sincerely,



Josephine Kennedy
Programme Officer

Licensing Unit

Office of Climate, Licensing & Resource Use



Section 99E (3) & (4) of the Environmental Protection Agency Acts, 1992 and 2007

(3) Subject to subsection (4), a consent under subsection (1) may be granted subject to or without conditions and if it is granted subject to conditions the Agency shall include in the licence or revised licence concerned conditions corresponding to them or, as the Agency may think appropriate, conditions more strict than them.

(4) The conditions that may be attached to a consent by a sanitary authority under this section are the following and no other conditions, namely conditions-

(a) relating to-

(i) the nature, composition, temperature, volume, level, rate, and location of the discharge concerned and the period during which the discharge may, or may not, be made,

(ii) the provision, operation, maintenance and supervision of meters, gauges, manholes, inspection chambers and other apparatus and other means for monitoring the nature, extent and effect of emissions,

(iii) the taking and analysis of samples, the keeping of records and furnishing of information to the sanitary authority,

(b) providing for the payment by the licensee to the sanitary authority concerned of such amount or amounts as may be determined by the sanitary authority having regard to the expenditure incurred or to be incurred by it in monitoring, treating and disposing of discharges of trade effluent, sewage effluent and other matter to sewers in its functional area or a specified part of its functional area,

(c) specifying a date not later than which any conditions attached under this section shall be complied with,

(d) relating to, providing for or specifying such other matter as may be prescribed.



SANITARY AUTHORITY RESPONSE

re: SECTION 52 OF THE WASTE MANAGEMENT ACTS, 1996 to 2010

Name & Address of Sanitary Authority: Cork City Council, City Hall, Cork, . .

Waste Reg. No. W0257-01

Waste Facility: Country Clean Recycling Ltd, Churchfield Industrial Estate, John F. Connolly Rd, County Cork,

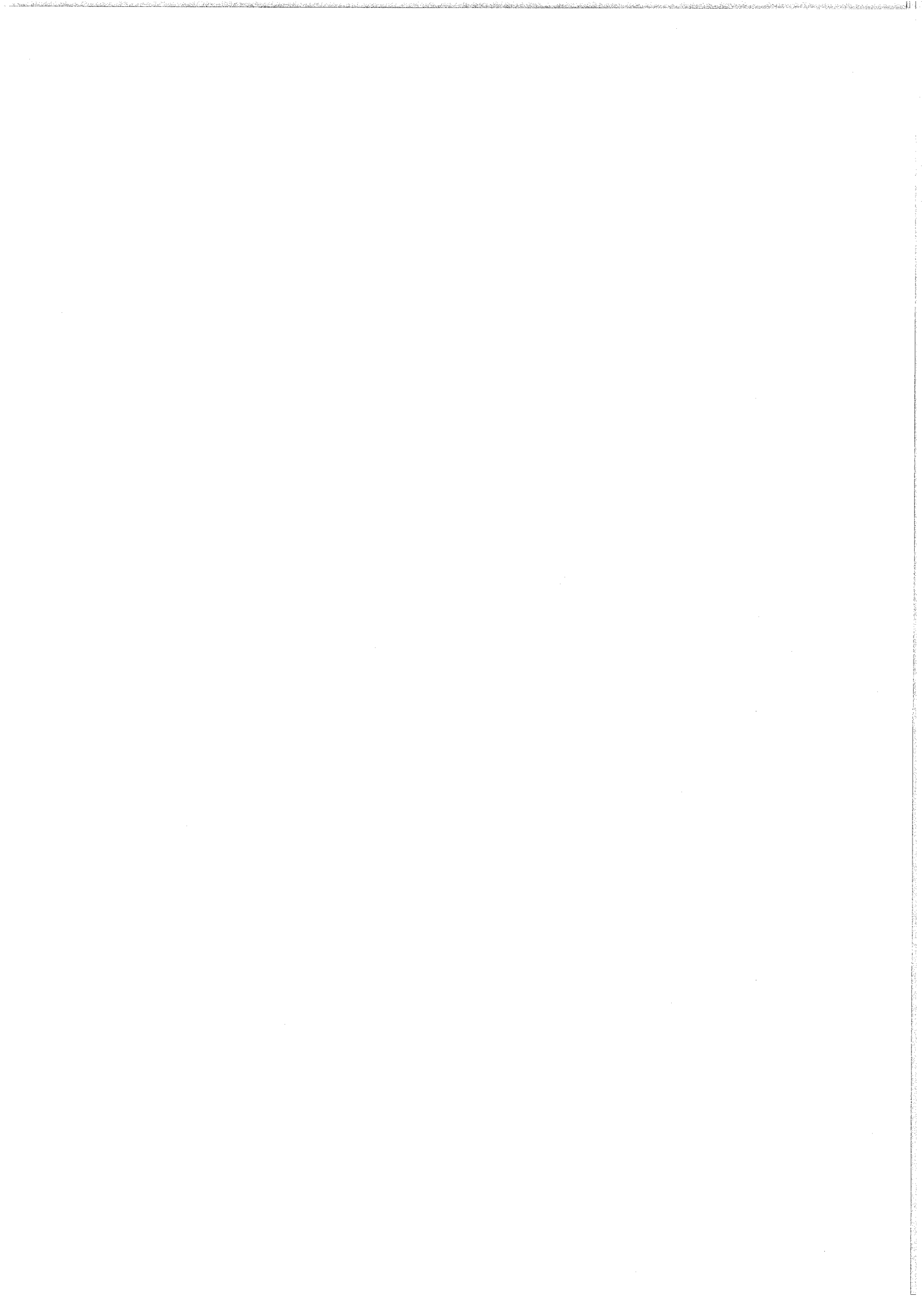
Waste Licence Applicant: Country Clean Recycling Ltd

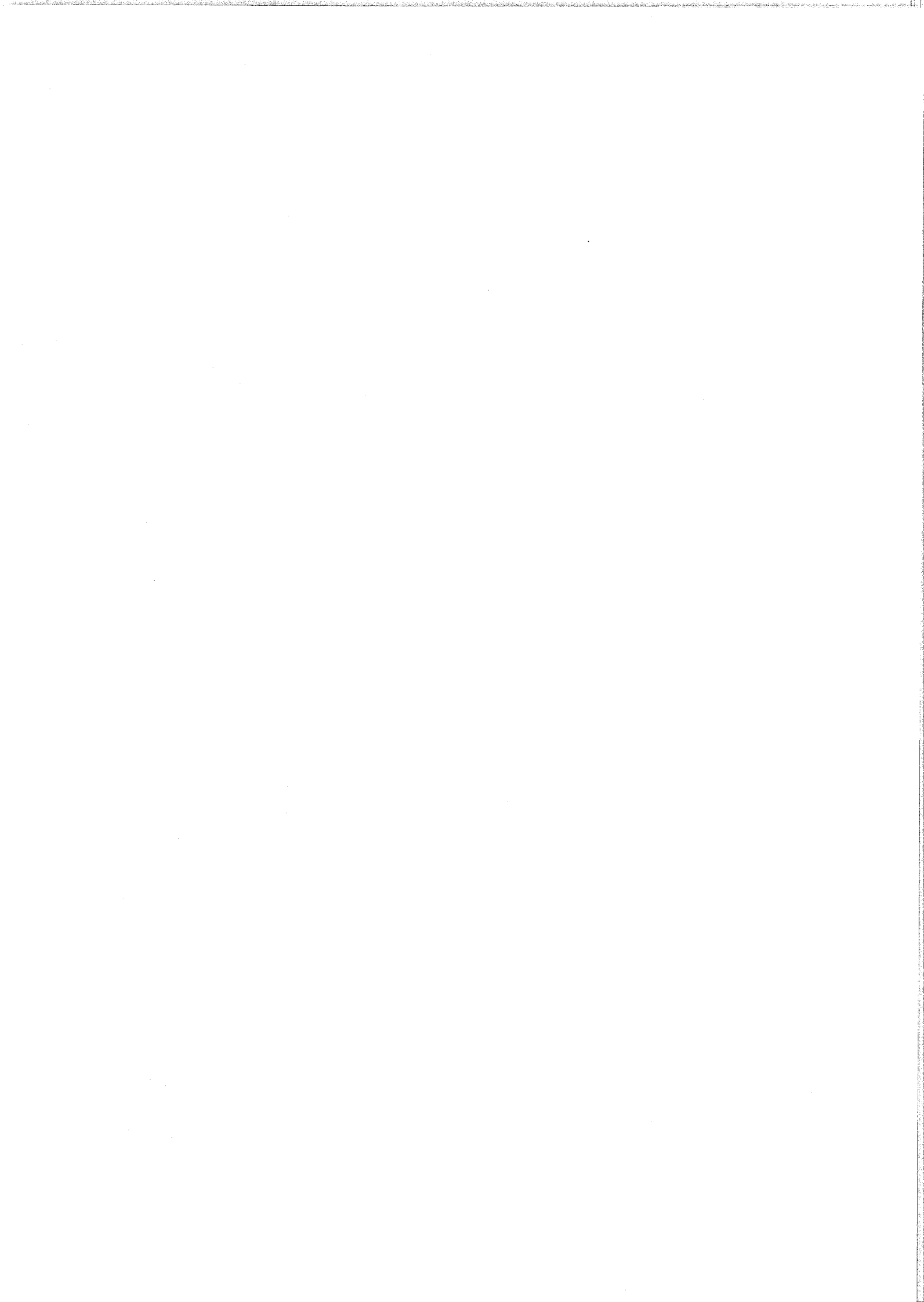
Consent: Indicate Yes to one of the following statements:

Consent granted subject to the consent conditions outlined below	
Consent granted without conditions	
Consent refused <small>Note 1</small>	

Note 1 Where it is proposed to refuse permission the reasons for the refusal should be clearly outlined in the response.

GENERAL CONSENT CONDITIONS	Condition to be included <i>(Yes/No)</i>
1. No specified emission from the installation shall exceed the emission limit value set out in <i>Schedule B: Emissions Limits to Sewer</i> . There shall be no other emission to sewer of environmental significance.	
2. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as out in <i>Schedule C</i> .	
3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.	
4. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the process effluent, and to take samples of the process effluent.	
5. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.	
6. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.	
7. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.	
8. The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.	
9. In the event of any incident which relates to discharges to sewer, having taken place, the licensee shall notify the Agency, Local Authority and Sanitary Authority as soon as practicable after the incident.	







Frequency of Monitoring Process Effluent to Sewer

Schedule C

Waste Licence application Register No. W0257-01

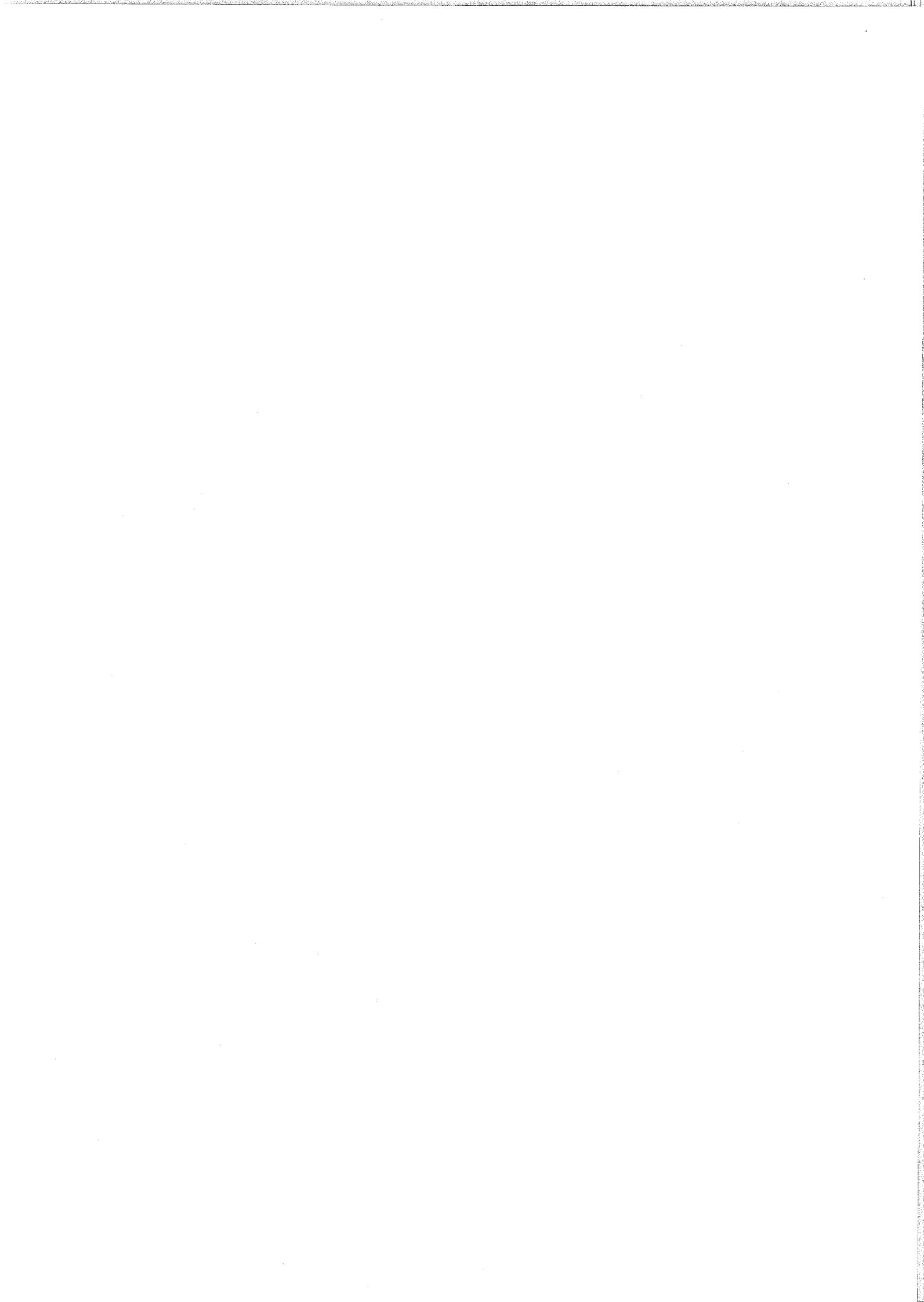
Emission Point Reference No: _____

Parameter <i>(delete parameters which are not applicable)</i>	Monitoring Frequency (e.g. monthly, quarterly, annually)	Sampling Type <i>(grab, composite)</i>
Flow to sewer		
Temperature		
pH		
BOD		
COD		
Suspended Solids		
ADDITIONAL PARAMETERS <i>(if required)</i>		

SANITARY AUTHORITY CHARGES	
Charge per cubic metre of process effluent (per s52 of the Waste Management Acts, 1996 to 2010)	
Payment Frequency	
Annual Monitoring Costs	

Signed on behalf of Cork City Council

_____ Date _____



Attachment E.3 Emissions to Sewers

Attachment E3 contains a copy of:

- Table E.3.(i) Emissions to Sewer, see Appendix E.3.1
- Table E.3.(ii) Characteristics of the Emission, see Appendix E.3.2

The Materials Recovery Facility discharges foul water to the Cork City Council Sewer system which traverses the northern boundary of the site. Leachate from the waste processing facility is currently treated in a Class I full retention oil interceptor prior to discharging to the Cork City Council foul sewer.

It is proposed to direct all surface water from paved areas through a Class I Bypass Interceptor prior to discharge to the attenuation tank and release to the local authority storm sewer line. Run off from roofed areas will be conveyed directly to the storm water attenuation tank.

All domestic foul effluent generated on the site discharges to Cork City Councils foul sewer located to the southwest of the site which is of a domestic nature.

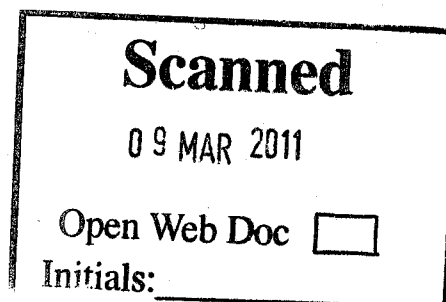


TABLE E.3(i): EMISSIONS TO SEWER (One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	Sampling point 1 (SE1)
Location of connection to sewer :	North of the site, post oil interceptor
Grid Ref. (10 digit, 5E,5N):	E66135, N73604
Name of sewage undertaker:	Cork City Council

Emission Details:

(i) Volume to be emitted			
Normal/day	10m ³	Maximum/day	20m ³
Maximum rate/hour	10m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	<u>60</u> min/hr <u>24</u> hr/day <u>365</u> day/yr
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TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : SE-1

Parameter	Prior to treatment			As discharged			% Efficiency	
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)		kg/day
<u>pH (pH) units</u>		6-9				6-9		
<u>Temperatures</u>		35				35		
<u>BOD</u>		1500				1000	14	
<u>COD</u>		3000				1500	20	
<u>OFG</u>		100				50	0.75	
<u>Suspended Solids</u>		600				400	8	
<u>Conductivity</u>		2000				1500		

** Note the values presented in Table E.3(ii) are those submitted to Cork City Council in CCR's Discharge Licence Application.

Attachment F.4 Sewer Discharge – Monitoring and Sampling Points

Attachment F.4 contains a copy of:

- Appendix F.4.1 Table F.4 Sewer Discharge Emissions Monitoring

It is proposed to monitor process water post treatment in a Class I Full Retention Oil interceptor prior to entering the Cork City Council sewer pipeline.

Wash water from the lorry wash bay and leachate from the waste are the only wastewater streams which arise at the facility. Both streams pass through a Class I interceptor prior to discharge to the local authority sewer. A manhole after the interceptor is provided to allow access for sampling and analysis of the leachate quality.

Surface water from hardstanding areas will pass through a Class I Bypass interceptor prior to discharge to the attenuation tank. Runoff from roofed areas will be diverted directly to the attenuation tank. Monitoring of surface water runoff will take place after the attenuation tank prior to discharge to the local authority sewer. from all paved areas will take place post oil interceptor and prior to the connection with Cork City Councils Foul network. All surface runoff and washwater from the wash bay and leachate from the processing area will be directed through the oil interceptor prior to discharge to the foul network north of the site. Sampling will take place at the outlet of the oil water interceptor. Although extensive sampling has not been undertaken on the quality of the effluent discharged from the site, the results of a number of parameters analysed are presented in the table below.

Sampling Location SE1		
Parameter	Unit	Result
BOD	mg/l	281
Total Suspended solids	mg/l	58
Oils fats and Greases	mg/l	1
Electrical conductivity	uS/cm	3072
pH	pH units	7.8
COD	mg/l	374

TABLE F.4: SEWER DISCHARGE EMISSIONS MONITORING AND SAMPLING POINTS

Emission Point Reference No(s). : _____

Parameter	Monitoring frequency	Accessibility of Sampling Points	Analytical Method
Oils fats and greases	Quarterly	Suitable	Standard Method
Heavy metals	Quarterly	Suitable	Standard Method
Nitrogen	Quarterly	Suitable	Standard Method
Biochemical Oxygen Demand	Quarterly	Suitable	Standard Method
Chemical Oxygen Demand	Quarterly	Suitable	Standard Method
Conductivity	Quarterly	Suitable	Standard Method
Mineral Oil	Quarterly	Suitable	Standard Method

Proposed only. Not to be used for any other use.

Attachment I.3 Assessment of Impact of Sewage Discharge-Sampling Results-SEWER Discharge Licence

Sanitary effluent from the site discharges to Cork City Council sewer pipeline located to the south of the facility.

Process leachate generated from within the Materials Recovery Facility and lorry wash bay area is treated via a Class I Full Retention Oil Interceptor prior to discharging to Cork City Sewer pipeline located to the north of the facility. There is a monitoring point at the outlet of the oil interceptor.

Mr. Gerry O' Beirne
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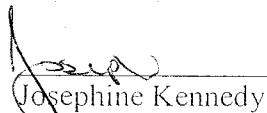
08/03/2011

Reg No: W0257-01

Dear Mr. O' Beirne

Following from my letter dated the 02/04/2009, please see attached revised information in relation to their proposed discharge to sewer.

Yours sincerely,



Josephine Kennedy
Programme Officer
Licensing Unit
Office of Climate, Licensing & Resource Use



