

## Josephine Kennedy

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**From:** Colm O'Callaghan [cocallaghan@cavancoco.ie]  
**Sent:** 09 July 2010 12:30  
**To:** Caroline Murphy; Josephine Kennedy  
**Subject:** RE: W0248-01  
**Attachments:** corranure leachate conditions 3.doc

Dear Josephine

I refer to your letter of the 14<sup>th</sup> of May 2010 please find attached the councils response

Kind regards

Colm O'Callaghan  
Senior Executive Chemist  
Cavan County Council  
049 4378482

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**From:** Caroline Murphy [mailto:C.Murphy@epa.ie]  
**Sent:** 01 July 2010 14:02  
**To:** Colm O'Callaghan  
**Cc:** Brian Meaney; Josephine Kennedy  
**Subject:** W0248-01

Colm,

Please find attached electronic copies of the tables you requested which formed part of the correspondence issued to you on the 14<sup>th</sup> May 2010.

You should complete and return these as soon as possible. Please ensure that all correspondence is forwarded to Josephine Kennedy.

Regards,  
Caroline

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*Caroline Murphy,  
Inspector,  
Office of Climate, Licensing and Resource Use,  
PO Box 3000,  
Johnstown Castle Estate,  
Co. Wexford*

*Tel: +353 53 916 0600  
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**Environmental Protection Agency on Twitter:**

<http://twitter.com/EPAIreland>.

**EPA Climate Change on Twitter:**

<http://twitter.com/EPAClimateNews>

**EPA Research on Twitter:**

<http://twitter.com/EPAResearchNews>

**YouTube:**

<http://www.youtube.com/user/epaireland>

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**SANITARY AUTHORITY RESPONSE**  
**re: SECTION 52 OF THE WASTE MANAGEMENT ACTS, 1996 to 2010**

**Name & Address of Sanitary Authority:** Cavan County Council, Courthouse, Cavan.

**Waste Reg. No.** W0248-01

**Waste Facility:** Corranure Landfill, Lismagratty and Corranure Townlands, Cootehill Road, Cavan.

**Waste Licence Applicant:** Oxigen Environmental Ltd.

**Consent:** Indicate Yes to one of the following statements:

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

**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 (Yes/No)
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.	Yes
2. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as out in <i>Schedule C</i> .	Yes
3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.	Yes
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.	Yes
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.	Yes
6. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.	Yes
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.	Yes
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.	Yes
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.	Yes

**ADDITIONAL GENERAL CONSENT CONDITIONS**  
in respect of discharges or emissions to sewers, in accordance with Section 52  
of the Waste Management Acts, 1996 to 2010  
*(specify, if required)*

**No additional effluent, apart from leachate produced by cells 0-4 shall be permitted to discharge to the sewer without prior consent of the Local authority**

**Leachate may be discharged to the council sewer by the licensee treated or untreated (see attached limit values ), at costs to be determined by the sanitary authority**

**In the first 6 months of operation of the licence, the applicant shall undertake additional monitoring for the parameters listed in table C.2 of the agencies landfill manual landfill monitoring edition 2. Monitoring shall be undertaken in the last week of each month and submitted to the local authority**

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# Untreated leachate

## Limit Values for Process Effluent to Sewer

### *Schedule B: Emission Limits*

Waste licence application Register No. W0248-01

Emission Point Reference No: \_\_\_\_\_ SE 1 \_\_\_\_\_

Emission to (*sewer description*): \_\_\_\_\_ rising main \_\_\_\_\_

Volume to be emitted: Maximum in any one day: \_\_\_\_\_ 221 \_\_\_\_\_ m<sup>3</sup>      Mean 170 m<sup>3</sup>

Maximum rate per hour: \_\_\_\_\_ 20 \_\_\_\_\_ m<sup>3</sup>

Parameter <i>(delete parameters which are not applicable)</i>	Emission Limit Value untreated leachate	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	3000	510
COD	3078	524
Suspended Solids	295	51
PH	7.85	7.85
Temperature		
<b>ADDITIONAL PARAMETERS</b> <i>(if required)</i>		
Ammonia NH3-N mg/l	493	84

# Untreated leachate

## Frequency of Monitoring Process Effluent to Sewer

### *Schedule C*

Waste Licence application Register No. **W0248-01**

Emission Point Reference No: \_\_\_\_\_ SE-1 \_\_\_\_\_

Parameter <i>(delete parameters which are not applicable)</i>	Monitoring Frequency <i>(e.g. monthly, quarterly, annually)</i>	Sampling Type <i>(grab, composite)</i>
Flow to sewer	Daily	Composite
Temperature	Weekly	Composite
pH	Weekly	Composite
BOD	Weekly	Composite
COD	Weekly	Composite
Suspended Solids	Weekly	Composite
<b>ADDITIONAL PARAMETERS</b> <i>(if required)</i>	Weekly	
Ammonia NH3-N mg/l	Weekly	Composite

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

# Treated leachate

## Limit Values for Process Effluent to Sewer

### *Schedule B: Emission Limits*

Waste licence application Register No. **W0248-01**

Emission Point Reference No: \_\_\_\_\_ SE 1 \_\_\_\_\_

Emission to (*sewer description*): \_\_\_\_\_ rising main \_\_\_\_\_

Volume to be emitted: Maximum in any one day: \_\_\_\_\_ 221 \_\_\_\_\_ m<sup>3</sup> Mean 170 m<sup>3</sup>

Maximum rate per hour: \_\_\_\_\_ 20 \_\_\_\_\_ m<sup>3</sup>

Parameter <i>(delete parameters which are not applicable)</i>	Emission Limit Value treated leachate	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	240	41
COD	3000	170
Suspended Solids	280	48
PH	7.85	7.85
Temperature		
<b>ADDITIONAL PARAMETERS</b> <i>(if required)</i>		
Ammonia NH3-N mg/l	45	8
Ortho Phosphorous (mg/l P)	15	3

# Treated leachate

## Frequency of Monitoring Process Effluent to Sewer

### Schedule C

Waste Licence application Register No. **W0248-01**

Emission Point Reference No: \_\_\_\_\_ SE-1 \_\_\_\_\_

Parameter <i>(delete parameters which are not applicable)</i>	Monitoring Frequency <i>(e.g. monthly, quarterly, annually)</i>	Sampling Type <i>(grab, composite)</i>
Flow to sewer	Daily	Composite
Temperature	Weekly	Composite
pH	Weekly	Composite
BOD	Weekly	Composite
COD	Weekly	Composite
Suspended Solids	Weekly	Composite
<b>ADDITIONAL PARAMETERS</b> <i>(if required)</i>		
Ammonia NH <sub>3</sub> -N mg/l	Weekly	Composite

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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 Cavan County Council**

Date \_\_\_\_\_