



Comhairle Contae Mhaigh Eo

Áras an Chontae, Caisleán an Bharraigh, Contae Mhaigh Eo.

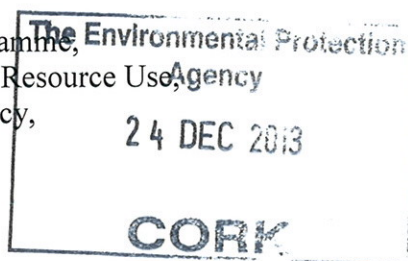
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ENVIRONMENT SECTION

Ms M. Buckley,
Environmental Licensing Programme,
Office of Climate, Licensing & Resource Use, Agency
Environmental Protection Agency,
Regional Inspectorate,
Inniscara,
Co. Cork.



20th December 2013

Re: Section 99E – Water Services Authority Response – Mayo Renewable Power Ltd., Killala Business Park, Tawnaghmore Upper & Tawnaghmore Lower, Killala, Co. Mayo. (Reg. No: P0958-01).

Dear Ms. Buckley,

I refer to your letter dated 4th December 2013 regarding the following Industrial Emissions Licence application.

Mayo Renewable Power Ltd., Killala Business Park, Tawnaghmore Upper & Tawnaghmore Lower, Killala, Co. Mayo. (Reg. No: P0958-01).

Please find enclosed the completed Water Services Authority Response and Additional General Consent Conditions.

I trust that the enclosed is satisfactory and if you have any queries or comments please do not hesitate to contact us.

Yours sincerely,

L. Walsh.

Senior Executive Scientist,

Environment Section.

SANITARY AUTHORITY RESPONSE

Name of Sanitary Authority: Mayo County Council

*Address: Water Services,
Aras An Chontae,
Castlebar,
County Mayo.*

Name of Facility: Mayo Renewable Power Ltd.

IPC Reg. No: P0958-01

*Address: Mayo Renewable Power Ltd.
Riverside One,
Sir John Rogersons Quay,
Dublin 2.*

*Facility Location: Mayo Renewable Power Ltd.
Killala Business Park,
Tawnaghmore Upper & Tawnaghmore Lower,
Killala,
County Mayo.*

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 ^{Note 1} .	

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. The licensee shall permit authorised persons, of the Agency and 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
2. The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing that 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

<p style="text-align: center;">ADDITIONAL GENERAL CONSENT CONDITIONS In respect of discharges or emissions to sewers, in accordance with Section 99E of the Environmental Protection Agency Acts 1992 to 2007. <i>(Specify, if required)</i></p>
<p>No specific emission to the sewer from the installation shall exceed the emission limit values set out in "Schedule B: Emission Limits to Sewer". There shall be no other emission to sewer of environmental significance.</p>
<p>The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in "Schedule C".</p>
<p>The licensee shall agree in writing with the Water Services Authority and the Agency a method to monitor the effluent flow and shall submit the recorded data in electronic format to the Water Services Authority on a quarterly basis. The flow monitoring equipment shall be regularly maintained and calibrated as per the equipment manufacturer's specifications.</p>
<p>All effluent samples collected for compliance with 'Schedule B Emission Limits' shall be collected on a 24hr composite basis. The sampling equipment shall have the facility to take hourly samples during a 24hr period if requested by the Agency or Water Services Authority as required.</p>
<p>The Water Services Authority and the Agency shall have full access at all reasonable times to the use of the 24 hour composite effluent sampling equipment on the premises for the purpose of taking independent samples for analysis.</p>
<p>Monitoring results shall be submitted to the Agency & Water Services Authority in hardcopy and electronic format on a quarterly basis.</p>
<p>In the event of any incident which relates to discharges to the sewer or may impact upon discharges to the sewer the licensee shall notify the Agency and the Water Services Authority as soon as possible after the incident.</p>
<p>A representative sample of effluent from the primary discharge point and shall be screened for the presence of organic compounds and metals within six months of the initial discharge from the facility. The list of parameters for analysis shall include, as a minimum, those organic compounds and metals identified as relevant having regard to the Water Policy Regulations 2003 and amendments (S.I. No. 722 of 2003 and amendments) and any other relevant legislation. Such screening shall be repeated at intervals as requested by the Agency/Water Services Authority thereafter.</p>

Limit Values for Process Effluent to Sewer

Schedule B: Emission Limits

Emission Point Reference No: **SE-1.**

Emission to *(sewer description)*: **Mayo County Council Sewer at the proposed new Killala WWTP to be constructed at Tawnaghmore Upper & Tawnaghmore Lower, Killala.**

Volume to be emitted: Maximum in any one day: **1000 m³**
Maximum rate per hour: **50 m³**

Parameter <i>(delete parameters which are not applicable)</i>	Emission Limit Value	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
cBOD	25	25
COD	125	125
Suspended Solids	35	35
pH	6 - 9	
Temperature	25° (max)	
ADDITIONAL PARAMETERS <i>(if required)</i>		
Total Nitrogen (as N)	15	
Ammonia (as N)	10	
Faecal Coliforms	1000 no./100ml	
Fats, Oils, Grease (FOG)	50	
Toxicity	5 TU	

Frequency of Monitoring Process Effluent to Sewer

Schedule C

Emission Point Reference No: SE.1.

Parameter (delete parameters which are not applicable)	Monitoring Frequency (e.g. monthly, quarterly, annually)	Sample Type (grab, composite)
Flow to sewer	Continuous ^(Note 1)	On-line flow meter with recorder
Temperature	Continuous	On-line temperature sensor with recorder.
pH	Continuous	pH electrode/meter and recorder.
Carbonaceous BOD	Monthly	Composite Sample
COD	Weekly	Composite Sample
Suspended Solids	Monthly	Composite Sample
ADDITIONAL PARAMETERS (if required)		
Conductivity	Continuous	On-line conductivity electrode/meter with recorder
Total Nitrogen (as N)	Monthly ^(note 2)	Composite Sample
Total Oxidised Nitrogen (as N)	Monthly ^(note 2)	Composite Sample
Nitrates (as N)	Monthly ^(note 2)	Composite Sample
Nitrite (as N)	Monthly ^(note 2)	Composite Sample
Ammonia (as N)	Monthly ^(note 2)	Composite Sample
Total Phosphorus (as P)	Monthly ^(note 2)	Composite Sample
Petroleum Hydrocarbons	Quarterly ^(note 2)	Composite Sample
Fats, Oils & Greases (FOG)	Quarterly ^(note 2)	Composite Sample
Faecal coliforms	Quarterly ^(note 2)	Composite Sample
<i>Escherichia coli</i>	Quarterly ^(note 2)	Composite Sample
<i>Intestinal enterococci</i>	Quarterly ^(note 2)	Composite Sample
Organic Compounds ^(note 3)	As required.	Composite Sample
Metals ^(Note 3)	As required.	Composite Sample

Note 1: Total effluent volume discharged over the 24-hour period in which the composite sample is collected shall be recorded.

Note 2: The frequency of monitoring for these parameters may be reviewed and revised by the Water Services Authority/Agency following the initial year of monitoring.

Note 3: Having identified the most relevant pollutants from screening (as outlined in 'Licence Conditions'), the subsequent monitoring for these pollutants shall be carried out at a frequency agreed by the Water Services Authority/Agency.

Signed on behalf of Water Services Authority: L. Walsh,

Senior Executive Scientist.

19th December 2013.

Section 99E of the Environmental Protection Agency Acts 1992 to 2007

- 99E.- (1) Where the Agency proposes to grant a licence (including a revised licence) which involves a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer, it shall obtain the consent of the sanitary authority in which the sewer is vested, or by which the sewer is controlled, to such a discharge being made.
- (2) Where consent is sought in accordance with subsection (1), the Agency may specify a period (which period shall not in any case be less than 4 weeks from the date on which the consent is sought) within which the consent may be granted subject to, or without, conditions or refused; any consent purporting to be granted (whether subject to or without conditions) after the expiry of that period, or any decision given purporting to refuse consent after that expiry, shall be invalid and in those circumstances the Agency may proceed to grant the licence concerned as if the requirements of subsection (1) had been satisfied.
- (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) specifying a date not later than which any conditions attached under this section shall be complied with,
 - (c) relating to, providing for or specifying such other matter as may be prescribed.
- (5) A sanitary authority may request the Agency to review a licence or revised licence to which this section relates-
- (a) at intervals of not less than 3 years from the date on which the licence or the revised licence is granted, or
 - (b) at any time with the consent, or on the application, of the person making, causing or permitting the discharge, or
 - (c) at any time if-
 - (i) the sanitary authority has reasonable grounds for believing that the discharge authorised by the licence or revised licence is, or is likely to be, injurious to public health or is likely to render the waters to which the sewer concerned discharges

unfit for use for domestic, commercial, industrial, fishery (including fish-farming), agricultural or recreational uses or is, or is likely to be otherwise, a serious risk to the quality of the waters,

(ii) there has been a material change in the nature or volume of the discharge,

(iii) there has been a material change in relation to the waters to which the sewer concerned discharges, or

(iv) further information has become available since the date on which the licence or revised licence was granted relating to polluting matter present in the discharge concerned or relating to the effects of such matter,

and the Agency shall consider and may comply with such request and shall have regard to any submission on the matter received from the sanitary authority.

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