

Eve O'Sullivan

From: Eve O'Sullivan
Sent: 27 June 2017 11:46
To: 'Farrell Killian'
Subject: W0021-02 Derrinumera Landfill

Hi Killian,

Further to our telephone conversation, I dropped in the technical amendment file to Brian Meaney who will be in touch with you soon. Brian's email address is b.meaney@epa.ie

Regards
Eve

EVE O'SULLIVAN PROGRAMME OFFICER, OFFICE OF ENVIRONMENTAL
SUSTAINABILITY, EPA, JOHNSTOWN CASTLE ESTATE, CO.
WEXFORD
+353(0)53 9160600 | 7341 (internal) | e.osullivan@epa.ie

Environmental Protection Agency, Ireland - www.epa.ie

*For inspection purposes only.
Consent of copyright owner required for any other use.*

Eve O'Sullivan

From: Eve O'Sullivan
Sent: 19 June 2017 09:55
To: 'Farrell Killian'
Subject: RE: W0021-02 Derrinnumera Landfill

Hi Killian,

I'm touching base with you in relation to the technical amendment request the Agency has on our books, as discussed below. Can you advise if you still require the technical amendment to be assessed by the EPA.

Regards
Eve

From: Farrell Killian [mailto:kfarrell@MayoCoCo.ie]
Sent: 03 March 2017 15:02
To: Eve O'Sullivan
Subject: RE: W0021-02 Derrinnumera Landfill

Hello Eve,
Apologies for delay in replying but I will contact you next week in relation to this.
Regards
Killian

Killian Farrell,
Deputy Manager,
Derrinnumera Landfill Site,
Mayo County Council,
Newport,
Co. Mayo.
Tel:098-41632
Mob:087-9155475
e-mail: kfarrell@mayococo.ie

For inspection purposes only.
Consent of copyright owner required for any other use.



connacht-ulster
waste region

Smaoinigh ar an timpeallacht sula ndéanann tú an ríomhphost seo a phriontáil. Please consider the Environment before printing this mail.

From: Eve O'Sullivan [mailto:E.O'Sullivan@epa.ie]
Sent: 13 February 2017 15:35
To: Farrell Killian
Subject: W0021-02 Derrinnumera Landfill

Dear Mr Farrell,

I'm contacting you in relation to an email you sent to Ms Helen Boyce in our Office of Environment Enforcement in relation to a request for a technical amendment to the above licensed facility.

Can you advise if you still wish to seek a technical amendment as per your email mentioned above.

Regards
Eve O'Sullivan

EVE O'SULLIVAN PROGRAMME OFFICER, OFFICE OF ENVIRONMENTAL SUSTAINABILITY, EPA, JOHNSTOWN CASTLE ESTATE, CO. WEXFORD
+353(0)53 9160600 | 7341 (internal) | e.osullivan@epa.ie

Environmental Protection Agency, Ireland - www.epa.ie

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the EPA postmaster - postmaster@epa.ie

The opinions contained within are personal to the sender and do not necessarily reflect the policy of the Environmental Protection Agency.

For inspection purposes only.
Consent of copyright owner required for any other use.

This email has been scanned by the Symantec Email Security.cloud service. For more information please visit <http://www.symanteccloud.com>

 Please consider the environment before printing this e-mail.

Tá eolas atá príobháideach agus rúnda sa ríomhphost seo agus in aon iatán a ghabhann leis agus is leis an duine/na daoine sin amháin a bhfuil siad seolta chucu a bhaineann siad. Mura seolaí thú, níl tú údaraithe an

Eve O'Sullivan

From: Eve O'Sullivan
Sent: 06 March 2017 09:36
To: 'Farrell Killian'
Subject: RE: W0021-02 Derrinnumera Landfill
Attachments: image001.jpg

Hi Killian,

Thanks for letting me know.

Regards
Eve

EVE O'SULLIVAN PROGRAMME OFFICER, OFFICE OF ENVIRONMENTAL
SUSTAINABILITY, EPA, JOHNSTOWN CASTLE ESTATE, CO. WEXFORD
+353(0)53 9160600 | 7341 (internal) | e.osullivan@epa.ie

Environmental Protection Agency, Ireland | www.epa.ie

From: Farrell Killian [<mailto:kfarrell@MayoCoCo.ie>]
Sent: 03 March 2017 15:02
To: Eve O'Sullivan
Subject: RE: W0021-02 Derrinnumera Landfill

Hello Eve,
Apologies for delay in replying but I will contact you next week in relation to this.
Regards
Killian

Killian Farrell,
Deputy Manager,
Derrinnumera Landfill Site,
Mayo County Council,
Newport,
Co. Mayo.
Tel:098-41632
Mob:087-9155475
e-mail: kfarrell@mayococo.ie



comhalt uisteach
waste region

Smaoinigh ar an timpeallacht sula ndéanann tú an ríomhphost seo a phriontáil. Please consider the Environment before printing this mail.

From: Eve O'Sullivan [mailto:E.O'Sullivan@epa.ie]
Sent: 13 February 2017 15:35
To: Farrell Killian
Subject: W0021-02 Derrinnumera Landfill

Dear Mr Farrell,

I'm contacting you in relation to an email you sent to Ms Helen Boyce in our Office of Environment Enforcement in relation to a request for a technical amendment to the above licensed facility.

Can you advise if you still wish to seek a technical amendment as per your email mentioned above.

Regards
Eve O'Sullivan

EVE O'SULLIVAN PROGRAMME OFFICER, OFFICE OF ENVIRONMENTAL SUSTAINABILITY, EPA, JOHNSTOWN CASTLE ESTATE, CO. WEXFORD
+353(0)53 9160600 | 7341 (internal) | e.osullivan@epa.ie

Environmental Protection Agency, Ireland - www.epa.ie

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the EPA postmaster - postmaster@epa.ie

The opinions contained within are personal to the sender and do not necessarily reflect the policy of the Environmental Protection Agency.

For inspection purposes only.
Consent of copyright owner required for any other use.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

 Please consider the environment before printing this e-mail.

Eve O'Sullivan

From: Eve O'Sullivan
Sent: 15 February 2017 14:02
To: 'Farrell Killian'
Subject: RE: W0021-02 Derrinnumera Landfill
Attachments: image001.jpg

Thanks Killian.

Regards
Eve

EVE O'SULLIVAN PROGRAMME OFFICER, OFFICE OF ENVIRONMENTAL SUSTAINABILITY, EPA, JOHNSTOWN CASTLE ESTATE, CO. WEXFORD
+353(0)53 9160600 | 7341 (internal) | e.osullivan@epa.ie

Environmental Protection Agency, Ireland - www.epa.ie

From: Farrell Killian [<mailto:kfarrell@MayoCoCo.ie>]
Sent: 15 February 2017 13:52
To: Eve O'Sullivan
Subject: RE: W0021-02 Derrinnumera Landfill

Hello Eve,
I will have to review the information on this and get back to you next week.
Regards
Killian

Killian Farrell,
Deputy Manager,
Derrinnumera Landfill Site,
Mayo County Council,
Newport,
Co. Mayo.
Tel:098-41632
Mob:087-9155475
e-mail: kfarrell@mayococo.ie



conacht waste
waste region

Smaoinigh ar an timpeallacht sula ndéanann tú an ríomhphost seo a phriontáil. Please consider the Environment before printing this mail.

From: Eve O'Sullivan [<mailto:E.O'Sullivan@epa.ie>]
Sent: 13 February 2017 15:35

To: Farrell Killian
Subject: W0021-02 Derrinnumera Landfill

Dear Mr Farrell,

I'm contacting you in relation to an email you sent to Ms Helen Boyce in our Office of Environment Enforcement in relation to a request for a technical amendment to the above licensed facility.

Can you advise if you still wish to seek a technical amendment as per your email mentioned above.

Regards
Eve O'Sullivan

EVE O'SULLIVAN PROGRAMME OFFICER, OFFICE OF ENVIRONMENTAL SUSTAINABILITY, EPA, JOHNSTOWN CASTLE ESTATE, CO. WEXFORD
+353(0)53 9160600 | 7341 (internal) | e.osullivan@epa.ie
Environmental Protection Agency, Ireland - www.epa.ie

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the EPA postmaster - postmaster@epa.ie

The opinions contained within are personal to the sender and do not necessarily reflect the policy of the Environmental Protection Agency.

For inspection purposes only.
Consent of copyright owner required for any other use.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

 Please consider the environment before printing this e-mail.

Eve O'Sullivan

From: Eve O'Sullivan
Sent: 13 February 2017 15:33
To: 'kfarrell@mayococo.ie'
Subject: W0021-02 Derrinumera Landfill
Attachments: W0021-02 Email from Killian Farrell.pdf

Dear Mr Farrell,

I'm contacting you in relation to an email you sent to Ms Helen Boyce in our Office of Environment Enforcement in relation to a request for a technical amendment to the above licensed facility.

Can you advise if you still wish to seek a technical amendment as per your email mentioned above.

Regards
Eve O'Sullivan

EVE O'SULLIVAN PROGRAMME OFFICER, OFFICE OF ENVIRONMENTAL
SUSTAINABILITY, EPA, JOHNSTOWN CASTLE ESTATE, CO. WEXFORD
+353(0)53 9160600 | 7341 (internal) | e.osullivan@epa.ie

Environmental Protection Agency, Ireland - www.epa.ie

For inspection purposes only.
Consent of copyright owner required for any other use.

From: John Gibbons
Sent: 23 September 2014 09:23
To: Eve O'Sullivan
Subject: RE: W0021-02 Derrinnumera Landfill

Derrinnumera Landfill,
Newport Road,
Co. Mayo.
30/6/14

Helen Boyce,
Office of Environmental Enforcement,
Environmental Protection Agency,
Regional Inspectorate,
John Moore Road,
Castlebar,
Co. Mayo.

RE: W0021-02 -Technical Amendment request - Emissions from gas utilisation plant.

Dear Ms Boyce,

Further to your letter of 6/5/14, via EDEN, in relation to power generation at this facility. As the agency is aware there has been a landfill gas flare on-site since 2001 and emission limits and a stack monitoring regime for this flare were included in an amendment to the original licence ref:21-1/AK07 of 28/3/01 which was complied with by Mayo County Council.

In 2009 the agency reviewed the original licence at its own discretion and emission limits and monitoring of the flare/utilisation plant were not contained in the reviewed licence. The reviewed licence did contain conditions 2.13 (iii) and 4.22.1 which specifically refer to landfill gas management/utilisation in order to recover energy from the gas and reduce reliance on fossil fuel generated electricity.

Mayo County Council has been engaged since 2011 in sourcing, by contract, a suitable gas utilisation plant and grid connection for the facility. This was a lengthy and difficult process, however both are now in place and the utilisation plant is ordered. The proposed gas utilisation plant will generate electricity by combustion of the majority of the landfill gas which is currently being flared and export this to the national grid. Although the utilisation plant and existing flare units could operate simultaneously it is intended that the flare will only operate for short periods when the gas plant is being serviced or breaks down i.e there will generally only be one emissions point at any one time.

As the gas plant will operate the majority of the time, the following emission limits are proposed,

NOx	500mg/m3
CO	1400mg/m3
Total VOC's	1000mg/m3
NMVOC's	75mg/m3

- Reference period = hourly mean.
- Limits at 5% O2 dry gas, normal operating conditions (temperature 273K, pressure 101.3kPA)
- Minimum discharge height = 5m.

These are the engine manufacturers design emissions which apply across Europe for engines manufactured in Europe. These emission limits also correspond to those set out in the EPA guidance document on landfill flare and engine management and monitoring (AG7).

It is proposed that these emissions would be monitored annually by stack testing using standard methods with an ISO17025 accredited laboratory/provider and the results submitted to the Agency.

Inlet gas to the engine will be monitored continuously as per the current flare for the following parameters,

- CH4
- CO2
- O2

There will be a local flow readout at the flare (using existing podimeter) and another local flow meter at the engine should both operate simultaneously.

As gas utilisation/flaring is implicit in the requirements of the current licence but emissions/monitoring from same are not, Mayo County Council request that such a technical omission which occurred during the Agency's review process be dealt with by a technical amendment to licence W0021-02.

Please contact me should you have any queries.

Yours sincerely,

Killian Farrell

Killian Farrell,

A/ Deputy Landfill Manager.

For inspection purposes only.
Consent of copyright owner required for any other use.