

## Andrew England

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**From:**  
**Sent:** Monday 26 August 2024 12:31  
**To:** Andrew England  
**Subject:** RE: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)  
**Attachments:** Pure Reflections Ammended Application.pdf

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Hi Andrew,

Sorry for the delay in this. Please see unsigned application attached.

I have the hard copy application signed along with a cheque. Can you confirm what address I should post to?

Kind Regards,

**Senior Environmental Consultant**

**Rowan Engineering Consultants Ltd.**

**Head Office: Unit 14, Scurlockstown Business Park, Trim, Co. Meath, Ireland**

**Regional Office: Office 18, Oran Town Centre, Station Road, Oranmore, Co Galway, H91 APK0. (Please send all correspondence to Trim office)**

**Tel:** +

**Mob:** +

**Email:** [andrew@rowanrec.ie](mailto:andrew@rowanrec.ie)

**Website:** [www.rec.ie](http://www.rec.ie)

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**From:** Andrew England  
**Sent:** Tuesday, July 2, 2024 4:21 PM  
**To:** Andrew England  
**Subject:** RE: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

Hi ,

Can I confirm are the proposed weekly average figures based on a 7-day week?

I have spoken with Connection and Developer Services and Networks and both are satisfied this does not need to be assessed again through the connections process so you can proceed to submit a TE licence review application through the normal channel.

Based on the analysis provided to date there appears to be scope to review the licensed FOG concentration limit downwards, if this can be considered when submitting the application.

Kind Regards,  
Andrew

**From:** I  
**Sent:** Friday, June 28, 2024 11:18 AM  
**To:** Andrew England <[aengland@water.ie](mailto:aengland@water.ie)>  
**Subject:** Re: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

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Hi Andrew,

Hope all is well?

Just checking to make sure that you have all the information you need from me for this?

Let me know if you have any further questions or if you need me to submit a full Discharge to Sewer Application?

Sent from [Outlook for Android](#)

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**From:** I  
**Sent:** Monday, June 17, 2024 9:45:02 AM  
**To:** Andrew England <[aengland@water.ie](mailto:aengland@water.ie)>  
**Subject:** RE: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

Hi Andrew,

Yes, all composite sample results shown are based off 1No. body.

Kind Regards,

**Senior Environmental Consultant**  
**Rowan Engineering Consultants Ltd.**  
**Head Office: Unit 14, Scurlockstown Business Park, Trim, Co. Meath, Ireland**  
**Regional Office: Office 18, Oran Town Centre, Station Road, Oranmore, Co Galway, H91 APK0. (Please send all correspondence to Trim office)**  
**Tel:**  
**Mob:** +  
**Email:** I  
**Website:** [www.rec.ie](http://www.rec.ie)

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**From:** Andrew England <[aengland@water.ie](mailto:aengland@water.ie)>  
**Sent:** Thursday, June 13, 2024 2:02 PM  
**To:** I  
**Subject:** RE: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

Hi I

Thank you for this information.

Just to confirm are all the composite sample results based on analysis of effluent generated by 1 body, i.e the proposed max hydraulic load of 24m<sup>3</sup>/day is based off the max figure of 5.98m<sup>3</sup>/day recorded in cell C13, and that 5.98m<sup>3</sup>/day is a result for one body only.

Kind Regards,  
Andrew

**From:** [redacted]  
**Sent:** Wednesday, June 5, 2024 11:08 PM  
**To:** Andrew England <aengland@water.ie>  
**Subject:** RE: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

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Hi Andrew,

I spoke with the site, and they advised the following:

- They currently can have 4-5 bodies/week.
- Over the next 12 months they are forecasting to have 720 bodies/year.
- Main issue is the unpredictability of the industry. They may need to have capacity to have 4-5 bodies in a single day and then none for a few days.
- I am proposing have a Max Daily Mass Emission based on the highest lab result for each parameter to date X 4 bodies in 1 day.
- I am also proposing have a Weekly Average Mass Emission based on the highest lab result to date X 15 bodies in 1 week.

See proposed increase below and works attached in spreadsheet. Some lab results are included in the spreadsheet and can be sent on separately if required ( I will just need to remove some data for GDPR reasons first.

	Existing	Proposed Max Daily Emission	Proposed Weekly
Flow Rate m <sup>3</sup> /day	6	24	90
BOD Mg/l	9500	14800	
BOD Kg/day	56	354	1332
Cadmium Mg/l	0.05	-	-
Cadmium Kg/day	0.001	-	-
COD Kg/day	27000	-	-
COD Kg/day	160	634	2385
Lead Mg/l	0.02	-	-
Lead Kg/day	0.001	-	-
Mercury Mg/l	0.002	0.003	
Mercury Mg/l	0.001	-	-
Nitrogen Mg/l	70	500	
Nitrogen Kg/day	0.5	12	45
FOG Mg/l	6700		
FOG Kg/day	40		60
Phosphorus Mg/l	25	45	
Phosphorus Kg/day	0.2	1	4
Suspended Solids Mg/l	1800	-	-
Suspended Solids Kg/day	11	40	150
Zinc Mg/l	2	-	-
Zinc Kg/day	0.02	-	0.05

Comparison of existing limits & proposed limits

If you have any queries, please don't hesitate in contacting me,

**Senior Environmental Consultant**

**Rowan Engineering Consultants Ltd.**

**Head Office: Unit 14, Scurlockstown Business Park, Trim, Co. Meath, Ireland**

**Regional Office: Office 18, Oran Town Centre, Station Road, Oranmore, Co Galway, H91 APK0. (Please send all correspondence to Trim office)**

**Tel:**

**Mob:**

**Email:**

**Website: [www.rec.ie](http://www.rec.ie)**

**From:**

**Sent:** Wednesday, May 15, 2024 4:00 PM

**To:** Andrew England <[aengland@water.ie](mailto:aengland@water.ie)>

**Subject:** RE: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

Hi Andrew,

Thanks for getting back to me. I just tried you phone there, but you might be busy.

Basically, as the Water Cremation alternative is gaining popularity in Ireland, the site will need to cater for multiple ceremonies per day. The one machine can cater for up to 5-6 bodies per 24 hours.

They are therefore looking to increase their discharge limits for certain parameters as per the table below:

Comparison of  
existing limits &  
proposed limits

	Existing	Proposed Increase
Flow Rate m <sup>3</sup> /day	6	30
BOD Mg/l	9500	14800
BOD Kg/day	56	75
Mercury Mg/l	0.002	0.003
Nitrogen Mg/l	70	500
Nitrogen Kg/day	0.5	2.5
Phosphorus Mg/l	25	45
Phosphorus Kg/day	0.2	0.3

The requested increases are based off lab results from ceremonies to date rather than data provided by other parties.

Just before I submit a Discharge License review application, it would be good to discuss with you if the proposed increases are a possibility? And if Navan WWTP have the capacity to receive same?

Kind Regards,

**Senior Environmental Consultant**

**Rowan Engineering Consultants Ltd.**

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**Regional Office: Office 18, Oran Town Centre, Station Road, Oranmore, Co Galway, H91 APK0. (Please send all correspondence to Trim office)**

**Mob:** [0870000000](tel:0870000000)  
**Email:** [info@www.rec.ie](mailto:info@www.rec.ie)  
**Website:** [www.rec.ie](http://www.rec.ie)

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**From:** Andrew England <[aengland@water.ie](mailto:aengland@water.ie)>  
**Sent:** Wednesday, May 15, 2024 12:00 PM  
**To:** [info@www.rec.ie](mailto:info@www.rec.ie)  
**Subject:** RE: Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

Hi  
Free any time today.

Kind Regards,  
Andrew

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**From:** I  
**Sent:** Monday, May 13, 2024 5:48 PM  
**To:** Andrew England <[aengland@water.ie](mailto:aengland@water.ie)>  
**Subject:** Water Cremation Ireland Ltd Discharge Licence (TE-10455-01)

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Hi Andrew,

Would it be possible to arrange a quick call with you at some stage this week?

I would like to discuss the option of increasing the emission limit values of Pure Reflections Discharge Licence. I have some calculations completed but it would be good to have an understanding of what capacity Navan WWTP currently has available etc.

Kind Regards,

**Senior Environmental Consultant**  
**Rowan Engineering Consultants Ltd.**  
**Head Office: Unit 14, Scurlockstown Business Park, Trim, Co. Meath, Ireland**  
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Go raibh maith agat as d'aird a thabhairt.

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Thank you for your attention.

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