Eve O'Sullivan

Subject: W0221-02 TA CR06047
Attachments: OMI Letter Flow Rates.pdf

From: Dominic Broadhurst <dbroadhurst@eras.ie>
Sent: Tuesday 19 May 2020 14:20
To: Yvonne English <y.english@epa.ie>
Subject: FW: Volumetric flow rate - licence W0211-02

Yvonne, to assist with this I have attached a letter from OMI, which outlines the calculations in the original submission, and shows that the flow rate at 15% oxygen should be substantially higher than the figure put in our licence.

Regards
Dominic

From: Dominic Broadhurst
Sent: Tuesday 19 May 2020 09:35
To: 'y.english@epa.ie' <y.english@epa.ie>
Subject: FW: Volumetric flow rate - licence W0211-02

Yvonne, is there any progress on this ?, could you outline to me how a volumetric flow rate limit of 3,000 nm3/hr at 15% oxygen was arrived at ?, in our licence application it was calculated at 6,000 nm3/hr at 5% oxygen.
We believe that at 15% oxygen the flow rate limit should be significantly higher, approaching 15,000 nm3/hr.
This request to review the limit has been made for approaching 15 months.

Regards
Dominic

Dominic Broadhurst
Facility Manager

ERAS ECO Ltd.

Foxhole, Youghal, Co Cork.
Ireland
Tel: 086 1424724

From: Dominic Broadhurst
Sent: Monday 17 February 2020 12:41
To: y.english@epa.ie
Subject: Volumetric flow rate - licence W0211-02

Yvonne, I was wondering what the state of play is with the technical amendment I submitted for volumetric flow rate ?, also I now have an issue with my inspector because we do not have continuous monitoring of the volumetric flow rate as per schedule C .1.1. control of emissions to air, and she has put it down as a recurring incident and as such gives a non-compliance each month. Firstly we were not going to look to implement this until the actual volumetric flow rate was resolved, secondly, in speaking with our consultant he does not believe continuous

monitoring is required, he is unaware of the requirement elsewhere as volumetric flow rate is not a pollutant, he also believes that it would not be possible to implement and remain within the guidelines of AG2.
I would be grateful if you could look into both of the points I have raised and revert as soon as possible.

Many thanks
Dominic

Dominic Broadhurst
Facility Manager

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Re: Query in relation to Air dispersion modelling and gas flow rate Oxygen reference values used for Eras Eco Air dispersion modelling.

Date: 19th May 2020

Dear Jim,

I am writing this letter in response to a request from O Callaghan Moran and Associated to clarify the referencing data utilised within the Air dispersion modelling assessment reported in Document No. 2016A257(3).

The dispersion model was based on a combined air flow rate from the engines of 6,200 Nm^3/hr, dry gas, 5% O_2.

This is equivalent to 16,708 Nm^3/hr, dry gas, ref 15%O_2.

I trust this clarifies the information request.

If you have any queries in relation to this correspondence, please do not hesitate to contact me on the details above.

Yours sincerely,

Brian Sheridan Ph.D Eng

For and on behalf of Odour Monitoring Ireland