

From: rosalind.spain [mailto:rosalind.spain@wyg.com]
Sent: 07 October 2010 12:23
To: Brian Meaney
Cc: matthew.holford
Subject: Quinn Cement IPPC Application Additional Information
Importance: High

Brian,

As per discussion earlier I have been forwarded the comments made by the EPA with regard to the IPPC licence application which was received 29 October 2009 for Quinn Cement Limited (attached)

We propose the following additional work will be undertaken to satisfy the requirements outlined within the attached document:

- An explanation of the HF would be provided and results would be compared against TA-Luft and Expert Panel on Air Quality Standards Guidelines for Halogens and Hydrogen Halides in Ambient Air recommended limit values;
- A Sensitivity Analysis will be undertaken on 1No. pollutant scenario to demonstrate that the receptor grid used in the assessment was suitable. To undertake this a 20km x 20km grid will be used with the original higher resolution grid nested within in accordance with the methodology presented within Air Dispersion Modelling from Industrial Installations Guidance Notes (AG4);
- The impact of PM_{2.5} will be determined based on the assumption that 100% of the PM output consists only of PM_{2.5} as a worst-case assumption;
- The location of the maximum predicted pollutant concentration will be presented on each contour plot as a x,y co-ordinate with corresponding value, and as a symbol;
- The contour maps will be colour coded and graded; and,
- A Human Health Risk Assessment will be undertaken to determine the impact of PCDDs and PCDFs in accordance with the US EPA tolerable daily intake approach.

Could you please confirm the above will satisfy the EPA's requirements?

Regards

Rosalind Spain
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WYG ENVIRONMENT

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