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Subject: FW: further Questions - Meatworks Australia Proposal - Air Monitoring Report
Date: Tuesday, July 23, 2019 11:27:14 AM

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Sent: Monday, 22 July 2019 5:33 PM

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In Confidence – EPA Only

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Thanks for your call today. As discussed I have some further questions which are more about the method used for the air quality modelling. I'm hoping EPA can help me answer them:

- The air quality report indicates modelling has been performed to the 99.9th percentile at 3 minutes intervals – does this mean that the modelling took place over the years 2013 – 2017 99.9% of the time for the various wind conditions at 3 minute intervals
- The modelling results were at ground level – is this standard practice how do these results translate to heights above ground level (is there any difference in expected Odour)
- Were the examples used as reference for Odour values representative of the application? These are used as variables in the modelling so am keen they represent as near as possible the proposal. Many of the references also seem to relate to other proposals – which in turn probably relied on older references. Have any of these past reports been validated.
- The modelling assumes normal and optimal operating procedures are in place – should it account for abnormal situations, breakdowns or through not following proper housekeeping practices
- Is compliance able to be demonstrated by Meatworks given odour values significantly greater than 1 were experienced for 2013 outside the boundary site – my reading of the report is that the plot is for the whole of 2013. Were the odour values at certain times – higher for further distances away? Were there peak excursions >1 for certain conditions or parts of the year and how far did these travel and in what direction?
- I consider the irrigation of waste water from the abattoir to be a key part of their industrial activities. The viability of the plant relies on effectively managing these wastes (the plant will not be using existing based infrastructure that would be present in a typical industrial zone). In my view the relevant buffer distance should consider the land to be irrigated in this measurement. If this is accepted the buffer distance for the abattoir processes and waste management facility both 500m should be calculated by drawing a polygon which extends to include all areas where waste water will be used for irrigation and not only from the point sources or lagoon structures as it has been measured in the application. 130ML of concentrated abattoir waste will require it to be shandied 1:1 in order for it to be safely irrigated to pasture without contaminating the land from high levels of Nitrogen and phosphorus. This movement of waste water has the potential to liberate offensive odours which are likely to affect neighbouring residents – could the EPA comment on my

interpretation please.

Kind Regards,

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