



# Minutes

## Odour Assessment Task Group, Meeting #9

Date: October 10, 2014  
Time: 9am-11am  
Place: Teleconference

### In attendance:

Name	Stakeholder group
Atta Atia	Alberta Agriculture and Rural Development
Ron Axelson	Intensive Livestock Working Group
Phyllis Bielawski	Alberta Environment and Sustainable Resource Development
Ike Edeogu	Alberta Agriculture and Rural Development
Kim Johnson	CAPP (Shell)
Gerald Palanca	Alberta Energy Regulator
Celeste Dempster	CASA

### Action Items:

Action Items	Who	Due
4.1: The task group will discuss how to pilot the key with government and industry stakeholders.	All	Meeting #10.
6.1: Revisit gap analysis of odour assessment in Alberta as a task group once the report is complete.	All	Meeting #10.
9.1: Since quorum was not achieved, Celeste will follow-up with NGO representative, David Spink.	Celeste	ASAP.
9.2: AARD will provide their concerns on the draft report to the group for discussion.	AARD	October 17, 2014.
9.3: Phyllis will double check with ESRD modeller if odours are modelled one at a time and then combined or based on multiple odours.	Phyllis	ASAP.
9.4: Phyllis and Kim will prepare a proposal to resolve the AQHI discussion for the task group to consider.	Phyllis, Kim	Meeting #10.

## 1. Administrative Items

The meeting began at 9:00am. Participants introduced themselves and were welcomed to the meeting. Quorum was not achieved.

*Action Item 9.1: Since quorum was not achieved, Celeste will follow-up with NGO representative, David Spink.*

## 2. Prepare Feedback

At meeting #8 the task group did not finish reviewing draft 3 of the consultant report. At meeting #8 the task group worked to provide specific feedback to the consultants to incorporate into the final version of

the report. Members were asked to focus their comments on showstoppers ie. anything that they are not able to live with. The purpose of today's meeting is to complete this task.

AARD raised some significant concerns about the draft report and committed to providing these details to the group by October 17<sup>th</sup>. The group agreed to review and discuss AARD's concerns before providing the consultants their feedback on the draft report.

***Action Item 9.2: AARD will provide their concerns on the draft report to the group for discussion.***

The task group prepared specific content-related feedback for the consultants on the remainder of section 6 the draft report (draft 3):

- Section 6.4.4:
  - Under "Ease of Use" clarify why it is easy to use.
  - Under "Limitations" include sample degradation from collection to assessment and the variability among panellists.
- Section 6.5.1:
  - Under "Description of tool" add that the model doesn't consider chemicals that create secondary pollutants.
  - Under "Information Output of Tool", last sentence, note that there is no accepted methodology for achieving sub-hourly concentrations.

***Action Item 9.3: Phyllis will double check with ESRD modeller if odours are modelled one at a time and then combined or based on multiple odours.***

- Under "Ease of Use" Note that MM5 data is restricted to 2002-2006 as they were determined to be typical years for Alberta meteorology. If a user wanted to use other years, they would have to create their own meteorological set and there are no guidelines for how to do this.
- Add to "Limitations" that the model doesn't consider chemicals that create secondary pollutants and that ESRD has no guidelines for odour modelling.
- Under "Limitations" delete "or for extensive periods with very light winds, both of" as this is not an ESRD recommendation.
- Under "Applications and Applicability to Alberta", delete sentence and replace with "ESRD has no guidelines for odour modelling".
- Section 6.5.2:
  - Under "Information Output of Tool", second last sentence, there are no guidelines for converting to sub-hourly concentrations. Also add this issue to the "Limitations" section.
  - Under "Ease of Use", delete the third sentence.
  - Under "Approximate Costs and Logistical Considerations", second sentence, include the average cost.
  - Under "Method Performance with Mixtures", add that it does not model secondary odourants.

The task group discussed the possibility of including the Air Quality Health Index (AQHI) in the report as follows, but were not able to reach agreement:

- The AQHI contains an odour-related element and is being used today in Alberta.
- The AQHI is a risk communication tool rather than an analysis tool. It has limited applicability as an Odour Index.
- An Odour Index indicates a number and a concentration.

- The AQHI ‘number’ does not change in relation to odour. Rather there is odour messaging that is included in addition to the AQHI index that speaks to the possibility of people smelling an odour.
- Odour messaging turns off when the AQHI goes above 7. AQHI numbers occur in real-time. When the AQHI goes above 7, the numbers are sent for QA/QC for verification by ESRD< Alberta Health and the relevant monitoring stations. It is then up to Alberta Health to issue a health advisory, if necessary.
- AQHI does incorporate SO<sub>2</sub>, H<sub>2</sub>S and TRS data, but doesn’t capture other odourous chemicals.

*Action Item 9.4: Phyllis and Kim will prepare a proposal to resolve the AQHI discussion for the task group to consider.*

### **3. Next Steps**

The task group will review Action Item 9.2 and finalize feedback for the consultant.

The task group reviewed the action items from this meeting.

The meeting adjourned at 10:05am.