

**U.S. Environmental Protection Agency
Science Advisory Board Animal Feeding Operations Air Emissions Review Panel
Public Meeting, March 14-16, 2012**

Marriott at Research Triangle Park Hotel, 4700 Guardian Drive, Durham, North Carolina 27703

Agenda

Purpose: To review the following two EPA documents associated with SAB’s review of EPA’s emissions estimating methodologies for Animal Feeding Operations: a) “Draft - Development of Emissions Estimating Methodologies for Broiler Animal Feeding Operations” - February 2012 draft; and b) “Draft - Development of Emissions Estimating Methodologies for Lagoons and Basins at Swine and Dairy Animal Feeding Operations” - February 2012 draft (First Review Meeting).

Wednesday, March 14, 2012

8:30 am	Opening and Welcoming Remarks	Mr. Edward Hanlon <i>Designated Federal Officer EPA Science Advisory Board Staff Office</i>
		Mr. Thomas Brennan <i>Deputy Director EPA Science Advisory Board Staff Office</i>
8:35 am	Introduction of Members and Review of Agenda	Dr. David T. Allen <i>Chair</i>
8:50 am	EPA’s Remarks	Ms. Janet McCabe EPA Office of Air and Radiation
9:00 am	EPA Technical Presentation on EPA’s Draft Broiler Emissions Report	Mr. Larry Elmore EPA Office of Air Quality Planning and Standards

Wednesday, March 14, 2012 (Continued)

10:30 am	Break	
10:45 am	Public Comments	Registered Speakers
11:00 am	Discussion of EPA Charge Questions	Dr. David T. Allen and Panel Members
12:00 pm	Lunch	
1:00 pm	Review of EPA’s Draft “Development of Emissions Estimating Methodologies for Broiler Animal Feeding Operations” Report	Dr. David T. Allen and Panel Members
1:00 pm	Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Sections 1, 2 and 10	Lead Discussants: Dr. Eileen Fabian Wheeler Dr. Robert Hagevoort
1:30 pm	Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Sections 3 and 4	Lead Discussants: Dr. William Faulkner Dr. Wendy Powers Dr. Brent Auvermann
2:15 pm	Discussion of Response to Charge Questions 5 and 6: <ul style="list-style-type: none">• EPA’s General Approach for Handling Negative or Zero Emission Measurements	Lead Discussants: Dr. Nichole Embertson Dr. Deanne Meyer Dr. Paul Sampson
3:00 pm	Break	
3:15 pm	Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Section 5	Lead Discussants: Dr. Nichole Embertson Dr. Lingying Zhao

Wednesday, March 14, 2012 (Continued)

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| 4:00 pm | Discussion of Response to Charge Question 7: <ul style="list-style-type: none">• Use of Volatile Organic Compound Data in Developing VOC Emissions Estimating Methodologies | Lead Discussants:
Dr. C. Alan Rotz
Dr. William Faulkner
Dr. April Leytem |
| 4:30 pm | Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Section 6 | Lead Discussants:
Dr. Wendy Powers
Dr. Ronaldo Maghirang |
| 5:30 pm | Recess for the day | |

Thursday, March 15, 2012

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| 8:30 am | Reconvene | |
| 8:30 am | Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Development and Structure of the Broiler Emissions Estimating Methodology Models• Sections 7 and 8 | Lead Discussants:
Dr. Richard Kohn
Dr. C. Alan Rotz
Dr. William Faulkner
Dr. Paul Sampson
Dr. Eric P. Smith
Dr. Alicia Carriquiry
Dr. Peter Bloomfield |
| 10:30 am | Break | |
| 10:45 am | Discussion of Response to Charge Question 1 (continued) <ul style="list-style-type: none">• Development and Structure of the Broiler Emissions Estimating Methodology Models• Sections 7 and 8 | Lead Discussants:
Dr. Richard Kohn
Dr. C. Alan Rotz
Dr. William Faulkner
Dr. Paul Sampson
Dr. Eric P. Smith
Dr. Alicia Carriquiry
Dr. Peter Bloomfield |
| 11:30 am | Clarifying Comments from Members of the Public | Registered Speakers |
| 12:00 pm | Lunch | |

Thursday, March 15, 2012 (continued)

1:00 pm	Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Overall Approach for Developing the Broiler Emissions Estimating Methodologies	Lead Discussants: Dr. Richard Kohn Dr. Alicia Carriquiry Dr. Paul Sampson
1:30 pm	Review of EPA’s Draft “Development of Emissions Estimating Methodologies for Lagoons and Basins at Swine and Dairy Animal Feeding Operations” Report	Dr. David T. Allen and Panel Members
1:30 pm	EPA Technical Presentation on EPA’s Draft Lagoons and Basins Emissions Report	Mr. Larry Elmore EPA Office of Air Quality Planning and Standards
2:30 pm	Public Comments (placeholder)	Registered Speakers
2:45 pm	Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Sections 1 and 2	Lead Discussants: Dr. Eileen Fabian Wheeler Dr. Wendy Powers
3:15 pm	Break	
3:30 pm	Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Section 3	Lead Discussants: Dr. Robert Hagevoort Dr. Deanne Meyer Dr. John Smith
4:15 pm	Discussion of Response to Charge Question 1: <ul style="list-style-type: none">• Section 4	Lead Discussants: Dr. William Faulkner Dr. April Leytem Dr. C. Alan Rotz

Thursday, March 15, 2012 (continued)

4:45 pm **Discussion of Response to Charge Questions 1, 2, 3 and 4:**

- **Development and Structure of the Swine and Dairy Lagoon/Basin Emissions Estimating Methodology Model**
- **Statistical Approach for the Swine and Dairy Lagoon/Basin Emissions Estimating Methodology**
- **Section 5**

Lead Discussants:
Dr. Lingying Zhao
Dr. Viney Aneja
Dr. Brent Auvermann
Dr. Alicia Carriquiry
Dr. Peter Bloomfield
Dr. Paul Sampson
Dr. Eric P. Smith
Dr. Ronaldo Maghirang
Dr. Eileen Fabian Wheeler
Dr. April Leytem

5:30 pm **Recess for the day**

Friday, March 16, 2012

8:30 am **Reconvene**

8:30 am **Discussion of Response to Charge Questions 1, 2, 3 and 4 (continued):**

- **Development and Structure of the Swine and Dairy Lagoon/Basin Emissions Estimating Methodology Model**
- **Statistical Approach for the Swine and Dairy Lagoon/Basin Emissions Estimating Methodology**
- **Section 5**

Lead Discussants:
Dr. Lingying Zhao
Dr. Viney Aneja
Dr. Brent Auvermann
Dr. Alicia Carriquiry
Dr. Peter Bloomfield
Dr. Paul Sampson
Dr. Eric P. Smith
Dr. Ronaldo Maghirang
Dr. Eileen Fabian Wheeler
Dr. April Leytem

10:30 am **Break**

10:45 am **Clarifying Comments from Members of the Public** **Registered Speakers**

11:00 am **Discussion of Response to Charge Question 1:**

- **Overall Approach for Developing the Swine and Dairy Lagoon/Basin Emissions Estimating Methodologies**

Lead Discussants:
Dr. Richard Kohn
Dr. Eric P. Smith
Dr. Peter Bloomfield

Friday, March 16, 2012 (continued)

12:15 pm	Clarifying Comments from Members of the Public	Registered Speakers
12:45 pm	Panel Discussion on Remaining Issues Action Items and Next Steps	Dr. David T. Allen and Panel Members
1:00 pm	Adjourn	Mr. Edward Hanlon