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STATE OF MICHIGAN  
DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH  
Michigan Occupational Safety & Health Administration  
(MIOsha)

ANDREW S. LEVIN  
ACTING DIRECTOR

**MIOsha OCCUPATIONAL HEALTH STANDARDS  
PART 301/601 AIR CONTAMINANTS ADVISORY COMMITTEE MEETING**

**MEETING AGENDA**

for:

**December 1, 2010 – 9:30 a.m.**

**MIOsha Management and Technical Services Division Laboratory  
7707 Rickle Street, Lansing**

1. Call to Order by Co-Chair Tim Kearney
2. Approval of Minutes from July 26, 2010
3. Approval of Minutes from October 25, 2010
4. Discussion on:
  - Toluene
  - Trichloroethylene
  - Manganese
  - Cobalt
  - Iron Oxide
5. Next Meeting Date – January 7, 2011
6. Public Comment
7. Adjournment

**MEETING MINUTES**

for:

**October 25, 2010**

**PRESENT:**

William Bishop, DT Energy  
 Peggy Brady, Brady & Associates  
 John Cikaló, Dow Chemical Co.  
 Dennis Emery, Consultant  
 Bernard Hennessy, UAW  
 Timothy Kearney, Argus-Hazco  
 Tom Kinman, UAW  
 Richard McLonis, Marsh USA Inc.

Dennis O'Brien, Wayne State University  
 Cynthia Ostrowski, CAO Consulting  
 Phillip Peterson, Fibertec IHS  
 Oscar Rodriguez-Franco, Board of Water & Light  
 Ken Rosenman, Michigan State University  
 Scott Shepherd, East Jordan Iron Works  
 Jessie Simpson  
 William Watt, Wayne State University

**MIOsha STAFF PRESENT:**

Bob Dayringer, CET Division  
 Dan Dykstra, Standards Section  
 Christine Hundt, Standards Section

Bart Pickelman, GI Safety & Health Division  
 Ron Ray, Laboratory & Equipment Services  
 Jeff Silva, Construction Safety & Health Division

**ABSENT:**

Kim Gasche, Ford Motor Co.  
 William Kilgore, General Motors

Robert Lieckfield, Bureau Veritas North America  
 William Robert, BASF Corporation

**VISITORS:** None



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## **MIOSHA OH Part 301/601 Air Contaminants Advisory Committee Meeting Minutes**

**October 25, 2010**

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### **Agenda Item #1—Call to Order**

The October 25, 2010 MIOSHA OH Part 301/601 Air Contaminants Advisory Committee meeting was called to order by Co-Chair Dennis O'Brien.

### **Agenda Item #2—Approval of Minutes from July 26 Meeting**

The minutes from the July 26 meeting were not approved. The Advisory Committee asked that Mr. D'Arcy be contacted to confirm the statements he made at the meeting. The Advisory Committee also asked that it be noted in the minutes that Mr. D'Arcy's statements were challenged.

### **Agenda Item #3—Approval of Minutes from September 22 Meeting**

A motion was made by Jessie Simpson and seconded by Richard McLonis to approve the minutes of the September 22, 2010 Advisory Committee meeting with two changes. (1) On page 2, paragraph 4, change the paragraph to read, "The Advisory Committee discussed the current General Industry Respirable Dust exposure limit which is 5 mg/m<sup>3</sup> as a TWA and Total Dust exposure limit which is 15 mg/m<sup>3</sup> as a TWA. They decided to leave these limits as is for General Industry." (2) On page 2, paragraph 13, change NIOSHA to NIOSH.

**MOTION CARRIED UNANIMOUSLY.**

### **Agenda Item #4—Decide on when to Resume Discussion on Metal Working Fluids**

The Advisory Committee discussed when to resume discussion on metal working fluids. A motion was made by Tom Kinman and seconded by Bernard Hennessy to resume this discussion at the January 7 Advisory Committee meeting. **MOTION CARRIED.** (It was noted that John Cikalo, Peggy Brady, and Cindy Ostrowski expressed opposition to this motion.)

### **Agenda Item #5—Discussion on Acetone, Toluene, Trichloroethylene, Tetrachloroethylene, Styrene, 2-Ethoxyethanol, and 2-Ethoxyethyl Acetate**

The Advisory Committee reviewed the TLV Documentation and discussed the current General Industry Styrene exposure limits which are 50 ppm as a TWA and 100 ppm as a STEL.

A motion was made by Cindy Ostrowski and seconded by Dennis Emery to lower the current General Industry Styrene exposure limits to the ACGIH limits of 20 ppm as a TWA and 40 ppm as a STEL. **MOTION CARRIED.** (It was noted that Oscar Rodriguez-Franco expressed opposition to this motion.)

A motion was made by Bernard Hennessy and seconded by Dennis Emery to adopt the same ACGIH limits of 20 ppm as a TWA and 40 ppm as a STEL for the Construction Styrene exposure limits. **MOTION CARRIED.**

The Advisory Committee reviewed the TLV Documentation and discussed the current General Industry Acetone exposure limits which are 750 ppm as a TWA and 1,000 ppm as a STEL.

A motion was made by Cindy Ostrowski and seconded by Jessie Simpson to lower the current General Industry Acetone exposure limits to the ACGIH limits of 500 ppm as a TWA and 750 ppm as a STEL. **MOTION CARRIED.**

A motion was made by Cindy Ostrowski and seconded by Bernard Hennessy to adopt the same ACGIH limits of 500 ppm as a TWA and 750 ppm as a STEL for the Construction Acetone exposure limits. **MOTION CARRIED.**

The Advisory Committee discussed the current General Industry Toluene exposure limits which are 100 ppm as a TWA and 150 ppm as a STEL. The Advisory Committee asked that MIOSHA obtain the current TLV Documentation for Toluene for review and further discussion. Therefore, Toluene was tabled until the next meeting.

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The Advisory Committee reviewed the TLV Documentation and discussed the current General Industry Ethoxyethanol and 2-Ethoxyethyl Acetate exposure limits which are 200 ppm as a TWA and 100 ppm as a TWA, respectively.

A motion was made by Bernard Hennessy and seconded by Oscar Rodriguez-Franco to lower the current General Industry Ethoxyethanol and 2-Ethoxyethyl Acetate exposure limits to the ACGIH limit of 5 ppm TWA for each contaminant. **MOTION CARRIED.**

A motion was made by Bernard Hennessy and seconded by Oscar Rodriguez-Franco to adopt the same ACGIH limits of 5 ppm TWA for the Construction Ethoxyethanol and 2-Ethoxyethyl Acetate exposure limits. **MOTION CARRIED.**

The Advisory Committee reviewed the TLV Documentation and discussed the current General Industry Tetrachloroethylene exposure limit which is 25 ppm as a TWA. There is currently no General Industry STEL for this contaminant.

A motion was made by Ken Rosenman and seconded by Bernard Hennessy to adopt the ACGIH Tetrachloroethylene exposure limit of 100 ppm as a STEL for General Industry. The current General Industry Tetrachloroethylene exposure limit of 25 ppm as a TWA can remain as is. **MOTION CARRIED.**

A motion was made by Ken Rosenman and seconded by Bernard Hennessy to adopt the ACGIH limits of 25 ppm as a TWA and 100 ppm as a STEL for the Construction Tetrachloroethylene exposure limits. **MOTION CARRIED.**

The Advisory Committee discussed the current General Industry Trichloroethylene exposure limits which are 50 ppm as a TWA and 200 ppm as a STEL. The Advisory Committee asked that MIOSHA obtain the current TLV Documentation for Trichloroethylene for review and further discussion. Therefore, Trichloroethylene was tabled until the next meeting.

The Advisory Committee also discussed several items/questions that they would like to refer to the Occupational Health Standards Commission:

- 1) PELs and gases and vapors should be expressed as both ppm and mg/m<sup>3</sup>.
- 2) Should substances with a "skin" notation also have a biological limit so that its enforcement is not arbitrary?
- 3) Should all substances have a STEL based on a multiplier that is based on the PEL\*?

\*The ACGIH recommends that "*excursions in worker exposure levels may exceed 3 times the TLV-TWA for no more than a total of 30 minutes during a workday...*"

### **Agenda Item #6—Next Meeting Date**

The next meeting is scheduled for December 1, 2010 at 9:30 a.m. at the MIOSHA Management and Technical Services Division Laboratory, 7707 Rickle Street in Lansing.

At the December meeting the Advisory Committee will be discussing Toluene, Trichloroethylene, Manganese, Cobalt, and Iron Oxide.

### **Agenda Item #7—Public Comment**

No public comment.

### **Agenda Item #8—Adjournment**

With no further business before the Advisory Committee, the meeting was adjourned.