

**Minutes  
Regular Meeting  
of the  
Louisville Metro Air Pollution Control Board  
November 14, 2007**

The regular meeting of the Louisville Metro Air Pollution Control Board (Board) was called to order on October 17, 2007, at 10:11 a.m. in the Board Room of the Louisville Metro Air Pollution Control District, 850 Barret Avenue, Louisville, Kentucky, by Board member Mr. Ronald Thomas. One additional Board member was present, Dr. Nadir Al-Shami. A quorum was not present.

The following Louisville Metro Air Pollution Control District (District) staff members were present: Art Williams, Matt Stull, Terri Phelps, Larry Garrison, Eva Addison, Diane Hazellief, Martha Hettinger, Michelle Stites, Erin Vachon, Chris Bobay, Shane Corbin, Tua McDermott, Martha Gammons, Steve Taylor, Jenny Rhodes, Dee Lynch, Corey Ryan, Steven Gravatte, Terry Carby, T.J. Jessie, Shannon Clemons, and Monica Little. Also present were Assistant County Attorneys Lauren Anderson, Stacy Fritze, and Kathryn Hargraves, and County Attorney staff member Tammy Brown.

The following guests were present: Mark Derf, Indiana Department of Environmental Management; Carolyn Embry, American Lung Association; Tim Hooker, LFI; Jonathan Miller, DuPont Performance Elastomers; Vince Pennick and Rich Robinson, ASRC; Charles Pope, REACT; Christa Robinson, Rep. John Yarmuth's staff; Sarah Scheetz, E.ON U.S.; Kevin Spangler, Oxy Vinyls; and Paige Mosser Theriac, TECI.

**New Business**

**A. Agreed Board Order with The Courier-Journal and Louisville Times**

Ms. Anderson explained that because there was not a quorum, action on the Agreed Board Order with The Courier-Journal and Louisville Times would be deferred to the next Board meeting.

**B. Ozone and PM<sub>2.5</sub> Forecasting - Mark Derf, Indiana Department of Environmental Management**

Mr. Derf, Indiana Department of Environmental Management (IDEM), presented information about the IDEM forecasting team and the work it does to provide ozone and PM<sub>2.5</sub> forecasting for the Louisville area and most of Indiana. IDEM's Office of Air Quality staff includes Mr. Derf; Steve Sherwood, who is the lead forecaster for the Louisville area; and Mark Nieman, who provides forecasting for areas in the northern part of Indiana around Chicago, Ft. Wayne, and South Bend. In addition to the IDEM staff, local involvement, including District staff, is also important in providing key information for more accurate forecasting.

The IDEM team started forecasting in 1995 for the Lake Michigan area and eventually branched out to include other areas, including Louisville. Mr. Derf reviewed how ozone and PM<sub>2.5</sub> forms when the temperature is warm and the wind is stagnant. Mr. Derf reviewed maps of

ozone and PM<sub>2.5</sub> formation and how the pollutants travel across the country. Mr. Derf explained that the current ozone 8-hour standard is 85 parts per billion (ppb), but the U.S. Environmental Protection Agency (EPA) is proposing to lower it to perhaps 75 ppb. The current PM<sub>2.5</sub> annual standard is 15 micrograms per cubic meter and the 24-hour PM<sub>2.5</sub> standard is 35 micrograms per cubic meter.

Mr. Derf said that there are challenges in forecasting ozone and PM<sub>2.5</sub> which are related to different atmospheric chemistry due to lower NO<sub>x</sub> emissions, higher ozone impacts from downwind urban areas, difficulty in judging the 8-hour averages with lower 1-hour peaks, the transport and local emissions impact on PM<sub>2.5</sub>, and the need to understand how these pollutants develop.

## **Committee Reports**

### **A. Fine Particle Air Quality Task Force**

Mr. Bobay presented an update on the progress in developing the Report and Plan of Action by the Fine Particle Air Quality Task Force. Mr. Bobay stated that all Task Force subcommittees, except for the Report and Plan of Action Committee, have reached consensus on committee reports and recommendations. The Task Force will, in the upcoming weeks, review a draft of the Report and Plan of Action which is being compiled by District staff. The draft report will contain subcommittee reports and recommendations. The Task Force is on schedule to complete the report and a final Task Force meeting will be held on December 20, 2007. The Task Force will present the final Report and Plan of Action to the Board in January 2008.

## **Staff Reports**

### **A. Director**

Mr. Williams stated that the third round of revisions to the STAR regulations is underway. The revisions were discussed with the STAR Implementation Advisory Group (IAG) on October 16, 2007. He said that the District expects to convene the Strategy Committee to meet in the next few weeks to begin the legal notice process for regulation changes.

Mr. Williams reported that a discussion was held with the IAG to convene a small workgroup to review enhancing the leak detection and repair requirements for certain types of equipment used primarily by chemical industries that are located in Rubbertown. He said the workgroup was initially discussed during the STAR dialogue but forming the group was deferred. He said that the District believes it is now appropriate to begin the process to review the regulatory framework for leak detection at chemical facilities.

Mr. Williams provided an update on a Climate Change initiative. A request for proposals is pending to seek a contractor to develop a greenhouse gas emissions inventory for the community. The project will involve a review of the 1990 historical level of greenhouse gas emissions. He explained that under the U.S. Conference of Mayors Climate Protection Agreement that Mayor Abramson signed in April 2005, the community is committed to reducing its greenhouse gas emissions by seven percent below 1990 levels.

Mr. Williams reported that the Engineering Section developed a Priority Permit System to track new permits and their priority status. New permit applications will receive points that will determine their priority for processing based on need, timeframe, emissions reduction, pollution prevention, thoroughly completed application, well analyzed potential to emit, administratively

complete action, and safety concerns. In addition, he indicated that he or the Engineering Manager can assign additional points using the discretionary category based on other high priority aspects of the application.

Mr. Williams announced that Lilibeth Lanceta and Corey Ryan have resigned from their positions at the District. Mr. Ryan was a database and application specialist and accepted a position with Humana. Ms. Lanceta conducted emissions inventory and related work, and accepted a position at the University of Louisville, where she was previously employed.

## **B. Air Quality Data**

Mr. Williams stated that the ozone report for the end of the season did not show any significant changes from September to October 2007. There were 26 exceedances on 16 different days during the 2007 ozone season.

District staff are reviewing ozone comparisons between 2002 and 2007 when the temperature was above 90 degrees. A report on the comparisons is expected to be presented to the Board at the December 2007 Board meeting. Mr. Williams stated that, in general, there has been a significant improvement in the overall air quality when comparing these two hot summers. He said that the improvement in air quality is related to the NO<sub>x</sub> SIP Call, which went into effect in 2004 and required substantial reductions in NO<sub>x</sub> emissions.

Mr. Williams reported that the fine particles readings in October 2007 were relatively low, being the second lowest since monitoring began in 1999.

The air quality monitoring reports were submitted for filing. A copy of each report is attached to the original minutes.

## **C. Enforcement Status**

The *APCD Enforcement Status* 11/07/07, report was submitted for filing. A copy is attached to the original minutes.

## **D. Excess Emission Reports**

The *Excess Emissions Report* dated October 2007, was submitted for filing. A copy is attached to the original minutes.

## **E. Permit Application Log**

Mr. Williams reported there was a net reduction of nine permits in October 2007, and the District continues to make improvement in decreasing the backlog.

The *Permit Application Log* dated October 2007, was submitted for filing. A copy is attached to the original minutes.

## **G. Permits Over Time**

The *Permits Over Time* report dated January to October 2007, was submitted for filing. A copy is attached to the original minutes.

## **H. Lawn Care for Cleaner Air Awards**

The list of this month's *Lawn Care for Cleaner Air* Award recipients was submitted for filing. A copy is attached to the original minutes.

**Next Meeting**

The next regular Board meeting is scheduled Wednesday, December 19, 2007, at 10:00 a.m.

**Adjournment**

The meeting adjourned at 10:48 a.m.

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Ronald Thomas	Jonathan L. Trout
Board Member	Secretary-Treasurer

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