

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
939 ELLIS STREET - SAN FRANCISCO, CALIFORNIA 94109

Approved Minutes: Board of Directors Regular Meeting – October 15, 2003

**Call To Order**

Opening Comments: Chairperson Haggerty called the meeting to order at 9:51 a.m.

Pledge of Allegiance: William C. Norton, Executive Officer/APCO led the Board in the Pledge of Allegiance.

Chairperson Haggerty announced that former Board member Bill Carroll had passed away and requested that the meeting be adjourned in his name. Chairperson Haggerty requested a moment of silence in Mr. Carroll's honor.

Roll Call: Present: Scott Haggerty, Chair, Harold Brown, Maria Ayerdi (9:55 a.m.), Roberta Cooper, Chris Daly (9:56 a.m.), Mark DeSaulnier, Jerry Hill, Liz Kniss (10:04 a.m.), Jake McGoldrick (10:01 a.m.), Nate Miley, Julia Miller, Dena Mossar, Mark Ross, Tim Smith (9:58 a.m.), Pam Torliatt (10:04 a.m.), Gayle Uilkema, Brad Wagenknecht, Shelia Young.

Absent: Patrick Kwok, John Silva, Marland Townsend.

Commendations/Proclamations: Chairperson Haggerty presented plaques to William deBoisblanc, Engineering Division Director, in recognition of his retirement from the Air District after 31 years of service and to Thomas Perardi, Planning and Research Division Director, in recognition of his retirement from the Air District after 30 years of service.

**Public Comment Period: Speaker:** James N. Corazza  
Employees' Association

Mr. Corazza informed the Board of Directors that he now represents the Employees' Association as its new President and that his term will end in October 2005.

**Consent Calendar (Items 1 – 8)**

1. Minutes of October 1, 2003
2. Communications. Correspondence addressed to the Board of Directors
3. Report of the Advisory Council – *There was no report.*
4. Monthly Activity Reports – *Division Activities for the month of September 2003*

5. Quarterly Report of Air Resources Board Representative
6. Quarterly Report of the Clerk of the Boards
7. Approval of Proposed Amendments to Administrative Code Division II, Section 2 District Audit, Section 3 Fiscal Procedures and Section 4 Purchasing Procedures

*Approved amendments to Administrative Code Division II, Fiscal Operating Policies and Procedures. The proposed amendments will streamline the fiscal and business practices of the District and are in line with other large air quality management districts.*

8. Authorization for Execution of Purchase Order

*Authorized a purchase order not to exceed \$850,000 to J.D. Edwards for the purchase of 5667 hours of Professional Services to cover the final phase of implementation work for the J.D. Edwards Enterprise Resource Planning System.*

**Board Action:** Director Wagenknecht moved approval of Consent Calendar Items 1 through 8; seconded by Director Ross; carried unanimously without objection.

### **Presentations**

9. Air Pollutant Emissions Rates for Trees and Other Plants

Mr. Perardi presented the report and reviewed the effects of vegetation on air quality. Mr. Perardi highlighted the following:

- Cooling improves air quality
- Plants remove some pollutants
- Ozone deposition of certain plant in pounds per acre per day in July
- Biogenic volatile organic compound (BVOC) emissions of certain vegetation in pounds per acre per day in July (isoprene + monoterpenes)
- Hourly emissions August 3-7, 1997
- Net effects on air quality
  1. Effects depend on species, placement
  2. BVOCs important part of inventory
  3. Low emitters can reduce ozone
  4. High emitters can increase ozone
- Desirable and undesirable trees for air quality can be researched at <http://selectree.cagr.calpoly.edu>

In conclusion, Mr. Perardi stated that 1) cooling lowers emissions; 2) cooling slows chemical reactions; 3) plants remove some pollutants; 4) plants emit precursor pollutants; and 5) low-emitting plants have many benefits. In response to a question from Director H. Brown, Mr. Perardi noted that when cities and counties plant trees, they should include tree emission factors in the planning process.

Director Uilkema discussed a school that is downwind of Equilon that has an asphalt playground and inquired if trees could be planted at the school with Supplemental Environmental Projects (SEP) money, and if the District can justify that there are positive things that can be done by planting trees to improve the air to meet this District's goals. Mr. Norton stated that there would be a meeting in Martinez later this month to look at the SEP and that if this idea meets the criteria, then it is something the District could do.

Director Uilkema asked if the District could demonstrate tonnage to show that a mitigation project is going to be able to qualify according to the criteria. Mr. Norton responded that the report showed that there are ways to calculate how much reduction in air pollutants will come from planting trees.

Chairperson Haggerty requested this information be disseminated to the planning departments of cities and counties so they are aware of this information. In reply to a question from Director Miller, Mr. Perardi indicated the District is not developing a regulation for trees at this point.

Director Daly noted that a representative of the Friends of the Urban Forest attended the San Francisco Community Planning meeting on ozone attainment and if certain trees are good and other not so good inquired if the District is looking at potential rule development in terms of ozone attainment. Mr. Norton stated that the District is not looking at rule development now. The first thing to do would be to send this information to the cities and counties so they can use the information as part of the criteria in determining what trees to use for streets and parks. The District could not count sharing information as tonnage reductions.

Director Ross noted the information should also be sent to design review committees in cities and counties.

Director Kniss commented that some counties deal a great deal with many other aspects of trees, which have to do with their longevity, how many leaves they drop, how slippery they are, how much pollution they cause, and many other things and urged the Board to not go into tree regulation at this point.

In response to Director Mossar, Mr. Perardi stated that the web site given does deal with different aspects of trees. Director Mossar noted that there are situations where native trees are what someone needs to plant. Also, the presentation spoke about acres of trees, and most cities and counties would be looking at blocks or just one tree. People should know trees do have air quality impacts, both good and bad.

**Board Action:** None. This report provided for information only.

10. Summary of 2003 Ozone Season

*Staff provided a summary of the 2003 Ozone Season, and the Bay Area's attainment status with respect to the National one-hour and 8-hour ozone standards.*

Dick Duker, Supervising Air Quality Meteorologist, presented the 2003 ozone summary and reviewed the state and national excesses in 2003 and showed the location of the exceedances

on a map. Mr. Duker noted there has been a decrease in exceedances from 1998 to the present and stated that 2003 had more hot days than normal. It was noted that San Martin exceeded the national 8-hour standard and had a reading of 86 ppb.

Mr. Duker stated that maintaining attainment of the one-hour national standard requires zero excesses at Livermore in 2004, and attaining the 8-hour national standard in 2004 requires the 4<sup>th</sup> highest 8-hour concentration at San Martin to be less than 76 ppb. Mr. Duker reviewed the Bay Area anthropogenic emissions (NOx and VOC).

Looking beyond 2004, Mr. Duker stated that VOCs are expected to decrease an additional 20% and NOx 23%. In addition, attaining the national ozone standards in the short term is mostly a function of meteorology, while in the longer term, it will be a function of emission reductions.

In response to a question from Director Miller, Mr. Norton stated that the District will look at reducing emissions everywhere and not just at San Martin and noted that the wind does transport pollution to San Martin.

**Board Action:** None. This report provided for information only.

### **Other Business**

11. Report of the Executive Officer/APCO. Mr. Norton reported on the following: 1) The District has received a grant from Agilent Technologies in the amount of \$100,000 for some classroom training on air pollution. The program will be started soon. 2) The District was also notified that it will be receiving \$488,000 from Silicon Valley Power for mitigation for their new power plant and the money will be used for replacing woodstoves and fireplace inserts around the area of the power plant.
12. Chairperson's Report. Chairperson Haggerty stated that today's meeting would be adjourned in honor of former Board member Bill Carroll who passed away last night.

### **Closed Session** (The Board adjourned to Closed Session at 10:41 a.m.)

13. Conference with Legal Counsel

#### **Existing Litigation:**

*Pursuant to Government Code Section 54956.9(a), a need existed to meet in Closed Session with legal counsel to consider the following cases:*

1. *Communities for a Better Environment and Transportation Defense and Education Fund v. Bay Area AQMD, Metropolitan Transportation Commission, Association of Bay Area Governments, and California Air Resources Board, San Francisco Superior Court, Case NO. 323849*
2. *Owens Corning v. Bay Area Air Quality Management District, Ellen Garvey, and the Hearing Board of the Bay Area Air Quality Management District, Santa Clara County Superior Court, Case No. CV 790379*

**Open Session** (The Board reconvened to Open Session at 10:48 a.m.)

Brian Bunger, Counsel, reported on items 1 and 2 of Agenda Item 13 and stated that the Board heard a status report from Counsel on both cases and provided general direction to Counsel.

14. Board Members' Comments: There were none.
15. Time and Place of Next Meeting - 9:45 a.m., Wednesday, November 5, 2003, 939 Ellis Street, San Francisco, California.
16. Adjournment: The meeting was adjourned in honor of Bill Carroll at 10:49 a.m.

*Mary Romaidis*

Mary Romaidis  
Clerk of the Boards

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