



**PIMA COUNTY ENVIRONMENTAL QUALITY ADVISORY COUNCIL**  
**33 N. Stone Avenue, Suite 700**  
**Tucson, AZ 85701**

Summary Minutes – November 17, 2010  
Bank of America Building, Conference Room, 7<sup>th</sup> floor  
33 N. Stone, Tucson, AZ  
1:30 p.m.

Members Present:

Dr. Eric Betterton  
Mr. Ben Dorris  
Mr. Daniel G. Rowe  
Dr. Roger Caldwell  
Mr. Allan MacDonald  
Mr. Peter Livingston  
Dr. Mark Witten  
Mr. Warren Thompson  
Mr. Jeff Yockey

Members Absent:

Mr. Curt Lueck

Others Present:

Ursula Kramer, Director, PDEQ  
Richard Grimaldi, Deputy Director, PDEQ  
Vicki Bennie, Council Secretary, PDEQ  
Lee Comrie, PAG  
Roxanne Linsley, ADEQ  
Krishna Parameswaran, ASARCO

**I. CALL TO ORDER AND INTRODUCTIONS**

Mr. Thompson called the meeting to order and introductions were made.

**II. APPROVAL OF THE SEPTEMBER 15, 2010**

A motion was made by Mr. Livingston, seconded by Mr. Rowe, to approve the minutes as written. The motion passed unanimously.

**III. OZONE REPORT**

Wayne Byrd, Program Manager for PDEQ's air quality monitoring program, combined agenda items III and IV together in one presentation.

About a year ago, EPA revised the ozone standard to .075 parts per million (ppm). EPA is revising the standard again, and the new revision is expected to be lower. EPA is looking at previous recommendations for this standard; no new research is being done at this time.

**IV. PDEQ MONITORING PROGRAM PRESENTATION**

Mr. Byrd raised the question, "will the new ozone standard be .060 ppm, .065 ppm, or .070 ppm and what will the effect be on Pima County?" Mr. Byrd stated that the EPA is currently suggesting a secondary annual standard for Ozone which uses a weighted average and is in the area of 7 to 15 ppm-hours. They call this system the W126 weighted average for Ozone. No decision has been made yet on either the method or level.

Ozone readings for Pima County  
 Three year average readings for the 4<sup>th</sup> high, 8 hour average

3 year avg, 4 <sup>th</sup> high, 8 hour avg.	2003	2004	2005	2006	2007	2008	2009	2010
Downtown	.069	.068	.068	.069	.070	.068	.066	
22 <sup>nd</sup> Street and Craycroft	.073	.073	.073	.072	.071	.068	.066	.065
Saguaro East Parkgrounds	.075	.077	.077	.076	.077	.074	.071	.069
Fairgrounds	.070	.069	.071	.071	.073	.070	.069	.068
Tangerine	.074	.074	.073	.074	.073	.072	.069	.069
Children's Park	.073	.073	.074	.072	.073	.071	.069	.067
Green Valley		.070	.068	.068	.068	.066	.065	.065
Rose Elementary	.068	.067	.066	.066	.068	.067	.065	.065
Coachline	.069	.069	.066	.069	.068	.068	.065	.064
<b>Average</b>	.070	.070	.070	.070	.071	.069	.067	.067

In addition to ozone, PDEQ monitors the following pollutants: carbon monoxide (CO), particulate matter (PM), sulfur dioxide (SO<sub>2</sub>) and nitrogen dioxide (NO<sub>2</sub>).

Dr. Witten stated that he recently read medical literature published in October, 2010 that showed a connection between high ozone levels and failed suicide attempts. He will forward this information to Ms. Bennie for distribution to EQAC.

**Carbon Monoxide**

NAAQS 1 hour Average 35 ppm, 8 hour Average 9 ppm and not to be exceeded more than once per year. Over all very clean with a continuing downward trend: One (1) hour average max for 2009 2.3 ppm and eight (8) hour average max for 2009 1.3 ppm

**Nitrogen Dioxide, NO<sub>2</sub>**

The Annual NAAQS is .053 ppm and not to be exceeded more than once per year. There has been a downward trend over the years. In 2009, the maximum annual mean was .012ppm.

**Sulfur Dioxide, SO<sub>2</sub>**

NAAQS Annual 0.03ppm, 24 hour 0.14ppm

Not to be exceeded more than once per year

The highest 24 hour reading in the past 10 years was 0.008 ppm in 2000. In 2009, the highest 24 hour reading was 0.002 ppm, less than 2% of the NAAQS. The annual reading in 2009 was 0.0010 ppm, far below the NAAQS of 0.03ppm.

**Particulate Matter 10 microns, PM<sub>10</sub>**

24 hour NAAQS 150 ug/m<sup>3</sup>

Not to be exceeded more than once per year on average over 3 years. On July 22, 2009, there was a single day event which caused a maximum 24 hour PM<sub>10</sub> reading of 270 ug/m<sup>3</sup>. This event was flagged pending EPA approval as an exceptional event and, if approved, will not count as an exceedance.

Annual PM10

While there is no longer an annual NAAQS, the Average annual PM10 concentrations decreased approximately 18% over the ten years prior to 2008.

Particulate Matter 2.5 microns, PM2.5

NAAQS Annual 15 ug/m3

To attain this standard, the 3-year average of the weighted annual mean PM<sub>2.5</sub> concentrations from single or multiple community-oriented monitors must not exceed 15.0 ug/m3.

NAAQS 24 hr 35 ug/m3

To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor within an area must not exceed 35 ug/m3.

PDEQ currently has 18 NAAQS monitoring sites in operation. Until November, 2010, PDEQ had 19 sites but the Broadway Swan site was closed because we lost our roof space at the site location. We also have six Beryllium sites operating around the Brush Wellman facility. PDEQ is currently setting up a new particulate monitoring site in Green Valley in conjunction with the Green Valley Coordinating Council (GVCC) and Freeport-McMoran. Childrens' Park will become the NCore monitoring site.

**V. ASARCO UPDATE**

Mr. Grimaldi reported that a settlement had been reached with ASARCO Mine for their dust violations in 2009 and 2010. The settlement consists of a \$100,000 civil penalty and funding of \$350,000 for three supplemental environmental projects related to the Canoa Conservation Park located in Green Valley.

Mr. Grimaldi stated that ASARCO's permit is scheduled for renewal. PDEQ held two public meetings in Green Valley to receive comments from the public on this issue.

**VI. PDEQ STAFF REPORT**

Ms. Kramer reported on both the Environmental Quality and Solid Waste Divisions of PDEQ.

a. EQ Division

In the EQ Division, we have hired an Environmental Analyst in the Water and Waste Program and are recruiting a Senior Hydrologist. The EQ Division is not heavily dependent upon the County's general fund.

b. SWM Division

In the SWM Division, the Ina Landfill was closed on June 30, 2010. The tire facility was moved to the Tangerine Landfill. Residential tipping fees were increased at the Sahuarita Landfill. There was a drop in the number of customers using the Sahuarita Landfill but due to the increase, higher revenue.

**VII. CALL TO THE PUBLIC**

Mr. Thompson made a call to the audience. There was no response.

**VIII. NEXT EQAC MEETING AND AGENDA ITEMS**

The next EQAC meeting is scheduled for Wednesday, January 19, 2011 at 1:30 p.m. in the PDEQ conference room, 33 N. Stone, Suite 700, Tucson. Agenda items are:

- Election of EQAC Officers
- Approval of Minutes
- Staff Report (EQ and SW Divisions)
- Ozone – Discussion of EPA's new standard
- Dr. Caldwell's email discussing the function of EQAC

Mr. Thompson will forward Dr. Caldwell's email to Ms. Bennie for distribution to the EQAC members.

Ideas for future meetings:

Long Term water issues

EQAC members (in pairs) take ownership of issue and make presentation

Rosemont Copper – overview

Air Modeling

**IX. ADJOURNMENT**

Having completed all meeting agenda items, the Council adjourned.