



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

Summary Minutes – November 28, 2012
Bank of America Building, Conference Room, 7th floor
33 N. Stone, Tucson, AZ
1:30 p.m.

Members Present:

Mr. Peter Livingston
Dr. Curt Lueck
Dr. Eric Betterton
Mr. Jeff Yockey
Mr. Daniel G. Rowe
Dr. Mónica D. Ramírez-Andreotta

Members Absent:

Dr. Mark Witten
Ms. Linda Hanson
Mr. Warren Thompson

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Others Present:

Ursula Kramer, Director, PDEQ
Richard Grimaldi, Deputy Director, PDEQ
Vicki Bennie, Council Secretary, PDEQ
Susanne Cotty, PAG
Allyn Bulzomi, HR Director
Edna Mendoza, ADEQ
Roxanne Linsley, ADEQ
Richard Murphy, Raytheon

I. CALL TO ORDER AND INTRODUCTIONS

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

II. PLEDGE OF ALLEGIANCE

Mr. Livingston led the group in the Pledge of Allegiance.

III. APPROVAL OF THE SEPTEMBER 19, 2012 MINUTES

A motion was made by Dr. Lueck, seconded by Mr. Yockey, to approve the minutes as written. The motion passed unanimously.

IV. PIMA COUNTY'S NEW TOBACCO-FREE POLICY

Mr. Allyn Bulzomi, Pima County Human Resources Director, reported that the Board of Supervisors unanimously approved the County's new tobacco-free policy which goes into effect on January 13, 2013. This policy prohibits the use of tobacco products on county property, excluding county-leased property such as Old Tucson and the Pima Air Museum, open park areas, roads and county-owned open space. The sidewalks are City property and are not included.

PIMA COUNTY'S NEW TOBACCO-FREE POLICY (Continued)

When Mr. Bulzomi became the HR Director in 2011, he received numerous employee complaints about smoking in the breezeways of the buildings. Non-smokers must walk through the smoke to get inside the buildings. As Pima County is a leading employer and committed to the promotion of health, wellness and the prevention of diseases, the tobacco-free policy was written to provide all employees and the public a tobacco-free work environment.

The policy includes all tobacco products such as: cigarettes, cigars, pipes, smokeless tobacco, water pipes, hookah, e-cigarettes, chewing tobacco and snuff.

The Health Benefits Insurance Wellness Advisory Committee (HBIWAC) unanimously approved the tobacco-free policy. The HBIWAC group is represented by employee groups and makes recommendations to the County Administrator. The draft policy was reviewed by all department heads and comments were received before it was approved. The Courts system has a large number of potential jurors and some are smokers. The Courts system supported the new policy.

In doing research of other jurisdictions, Mr. Bulzomi discovered that:

- Mesa, AZ, outlawed smoking in all public areas within the city limits;
- A Florida agency only hires non-smokers; and
- Maricopa County considered requiring swabs of the inside of the cheek to verify that employees who claimed to be tobacco-free are tobacco-free (considered but did not follow through).

Pima County will not be doing the above.

Pima County pays for a Smoking Cessation Program for employees who want to quit smoking. The program includes the cost of gum, patches and pills to quit smoking.

Staff is not required to be the "tobacco police". Human Resources is working with Facilities Management to design signs which will be posted in all county-owned facilities included in the policy. Most areas have security guards to inform the public of the policy.

The EQAC thanked Mr. Bulzomi for coming to speak to them about this issue.

V. ADEQ BUS RETROFIT PROGRAM

Ms. Edna Mendoza, Director of ADEQ's Office of Border Environmental Protection, provided information about the applied projects in the Arizona border region. The Office of Border Environmental Protection program is located in ADEQ's Southern Regional Office in Tucson. The program functions as a liaison with bi-national and border organizations. It assists media divisions with trans-boundary or cross-border Issues and implements projects in Arizona's border region. The border region is 100 kilometers or 2.5 miles on both sides of the border between the United States and Mexico. One of the programs administered is geared toward reducing diesel emissions of school buses.

- School Buses
 - School/districts willing to participate
 - Buses inspected for mechanical conditions
 - Age of engine, bus usage, temperature data logging (in certain buses)
 - Contractor and provider selection of device

ADEQ BUS RETROFIT PROGRAM (Continued)

- Retrofit Devices
- Diesel Multi-Stage Filter (DMF)
- Diesel Particulate Filter (DPF)
- Low NO₂ Filter (LNF)
- Diesel Oxidation Catalyst (DOC)

Diesel Multi-Stage Filter (DMF)

- Reduces PM up to 60%
- Can be installed in vehicles of model year 1991 and newer
- Maintenance-free designed
- It can be used with Ultra Low Sulfur Diesel (ULSD) and biodiesel blend of up to 20%
- Cost per unit with installation is ~\$9,000

Diesel Particulate Filter (DPF)

- 90%+ Particulate Matter (PM) reduction
- 5% to 10% Nitrogen Oxide (NOx) reduction
- Works with electronic engines built after 1994 (all makes)
- Use with ULSD
- Price per unit with installation is ~\$7,000

Low NO₂ Filter (LNF)

- 90%+ Particulate Matter (PM) reduction
- Prevents excess NO₂ emissions
- Works with most on-road engines built between 1993 and 2006
- Includes built-in DPF
- Use with ULSD
- Price per unit with installation is ~\$10,000

Diesel Oxidation Catalyst (DOC)

- Particulate matter reduction of 20% to 30
- Carbon monoxide (CO) and hydrocarbon (HC) reductions of up to 50%
- No specialized fuel required
- Recommended for mechanical engines
- Price per unit with installation is ~\$2,000

The old muffler is removed from the school bus and replaced with a diesel oxidation catalyst.

Bus Retrofits by County

Santa Cruz County:

Initial project was focused on Santa Cruz Valley Unified School District (SCVUSD) – Out of the 31 school buses retrofitted, 28 were DOCs and 3 were DPFs. The use of biodiesel fuel (B20) provided an additional 10% reduction of diesel emissions. SCVUSD provided an approximately 80% cost match to leverage funds for the purchase and installation of a storage tank to be used exclusively for biodiesel fuel.

Cochise County: All DOCs, except for 2 LNFs.

EQAC Summary Meeting Minutes
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COUNTY	QTY.
SANTA CRUZ COUNTY (2005-2010)	
Santa Cruz Valley Unified School District # 35 (Rio Rico)	31
Nogales Unified School District (Nogales)	5
Little Red Schoolhouse (Nogales)	3
Patagonia	9
Total Santa Cruz County	48
COCHISE COUNTY (2009-2010)	
Douglas Unified School District # 27	9
Palominas School District #1	6
Bisbee Unified School District #2	3
Naco Elementary School District #23	1
Tombstone Unified School District #1	1
Total Cochise County	20
YUMA COUNTY (2011-2012)	
Harvest Preparatory Academy	5
Mohawk Valley School District # 17	2
Wellton Elementary School	2
Antelope Union High School	7
Gadsden School District # 32	9
Crane School District # 13	17
Somerton School District # 11	6
Yuma School District One	11
Total Yuma County	59

COUNTY (CONTINUED)	QTY.
PIMA COUNTY (2012)	
Vail Unified School District	10
Tucson Unified School District	19
Amphitheater School District	12
Flowing Wells School District	9
Total Pima County	50
Total Arizona Counties	177

Other retrofit projects:

- Predominant air flow in Nogales is from South to North
- Large volume of commercial traffic
- Retrofitted 71 trucks

Opportunities for Involvement

- Border 2020 (www.epa.gov/border2020)
 - Meeting of Arizona/Sonora Task Forces
 - Late February/Early March 2013
 - Location To Be Determined
 - Arizona-Mexico Commission (www.azmc.org)
- Summer Plenary
 - June 2013
 - Phoenix, AZ

VI. PDEQ STAFF REPORT

Ms. Kramer, Director of PDEQ, reported on events occurring since the last EQAC meeting in September 19, 2012, within each division of PDEQ. PDEQ consists of two separate divisions: Environmental Quality Division (regulatory) and Solid Waste Management (operations for landfills and transfer stations in Pima County).

Ally Miller is the new Board of Supervisors member representing District No. 1. Ann Day decided not to run again. All other Board members were re-elected.

Pima County announced the appointment of a new health department director, Dr. Francisco Garcia, effective January 2, 2013. Most recently he served as the director of the University of Arizona Center of Excellence in Women’s Health, as well as the director of the Cancer Disparities Institute of the Arizona Cancer Center. The former health department director, Sherry Daniels, retired.

a. *Environmental Quality Division*

Ms. Kramer reported that EPA is looking at new standards for ozone. If the revised standard is set at 0.070 parts per million (ppm), Pima County will be good, but if 0.065 ppm, Pima County would be designated as non-attainment for ozone. The Committee discussed the challenges that will need to be addressed with a non-attainment designations, such as an

accurate emissions inventory and modeling to understand the ozone chemistry in the region and identify effective emissions reduction strategies. There will be significant staff resource and financial needs.

Materion's (formerly Brush Ceramics) air quality permit renewal was issued by the department.

There was a public hearing last night for the renewal of the air quality permit for the ASARCO mine. Approximately 30 people were in attendance. The public comment period closes November 30, 2012.

Pima County issued comments to ADEQ on their draft air quality permit for the Rosemont Copper Company.

b. Solid Waste Management Division
No changes to report at this time.

Mr. Grimaldi reported that Pima County is in the process of developing a single land development software for the Public Works departments. This new software will be used by all departments. In the past, Development Services Department used a program called Permits Plus. Pima County entered a contract with Acela to implement the new software. Acela will provide better customer service to the public. There will be an outward viewing portal for the public to track their permits through the process. Acela will also include a GIS component which will tie into the Assessor's office. It is expected that the implementation will take 18 months with the kick-off beginning January, 2013.

A key component of the Acela system is an electronic data management system. Pima County has selected a vendor for the electronic data management system. This new system will allow the public to apply for permits electronically which will go into a work flow for approval. The system will have stops ensuring that applications submitted are complete.

Changes to the EQ Staff are:

New organization within the EQ Division having the enforcement, air permitting and air compliance programs reporting to the Environmental Quality Manager;

Scott Porter is the new Environmental Quality Manager;

Sarah Walters is the new rule writer; and

Air Monitoring still has a vacancy for a senior instrumentation and control technician.

VII. CALL TO THE PUBLIC

Mr. Livingston made a call to the audience.

Ms. Cotty of PAG reported the Pima Association of Governments developed a new greenhouse gas emission inventory covering eastern Pima County with subsets for the City of Tucson for 1990 through 2010, which is available on the website.

Ms. Linsley of ADEQ reported that the agency hired Laura Malone as the new Waste Programs Division Director. Amanda Stone is now the full time SRO Director and works out of the Tucson office Tuesday afternoon through Friday. ADEQ's five year strategic plan is available on their website.

VIII. NEXT EQAC MEETING AND AGENDA ITEMS

The next meeting will be Wednesday, January 16, 2012 at 1:30 p.m. Agenda items are:

- Staff Report (EQ and SW Divisions) including updates on tobacco-free policy and the SIP– Ursula Kramer and Richard Grimaldi
- ADEQ's Five Year Strategic Plan - ADEQ will provide speaker on this issue

Agenda items mentioned for future EQAC meetings were:

Dust and air monitoring update for 2013 – would like to hear summary

Tungsten update – Dr. Witten

Stormwater – hear more in the future

Ozone standard – when information is out by EPA

Water harvesting measures (in relation to low impact development)

Rainfall - (after rains) – One of Dr. Betterton's associates

IX. ADJOURNMENT

Mr. Rowe made a motion, seconded by Dr. Betterton, to adjourn the meeting. The motion passed unanimously.