

Minutes

59th Meeting of the Joint Advisory Committee for the Improvement of Air Quality in the
Cd. Juárez, Chihuahua / El Paso, Texas / Doña Ana County, New México Air Basin
BECC Facilities, Ciudad Juarez, Chihuahua, Mexico
January 23, 2014

1. Welcome and Introductions

Bill Luthans (BL), USEPA Region 6, and Ana Patricia Martinez (APM), SEMARNAT, welcomed all to the 59th meeting of the JAC. A quorum was established. Ana Patricia Martinez was introduced as the new Mexican Co-Chair, replacing Ana Maria Contreras who has now moved into the private sector.

JAC Members Present	
U.S.	México
Bill Luthans – EPA	Ing. Ana Patricia Martinez – SEMARNAT
Lorinda Gardner – TCEQ	**Joel Aranda- PROFEPA
Michael Baca – NMED	Quim. Araceli Salazar – COESPRIS
Daniel Hermosillo –DAC Government	Salvador Rubalcaba – Gob. Edo. De Chihuahua
*Candice Sifuentes – City of El Paso	Alejandro Gloria- Dir. De Ecologia
John Quinn - FMR	Ing. Rene Franco- Dir. De Asentamientos H
**Elaine Barron, M.D.	**Denisse Varela - NGO
Alberto Correa, PhD	Dra. Alba Yadira Corral – UACJ
David Dubois, NMSU	**CANACINTRA
Wen-Whai Li, Ph.D., P.E., UTEP	Arq. Joaquin Marrufo- SEMARNAT’s CCSD (BECC)
Christine Ponce-Diaz, El Paso MPO	**Ing. Vicente Lopez – IMIP
* Alternate	** Not Present

2. Presentation and approval of current agenda and minutes.

- Beginning with the 58th JAC meeting, minutes will now be a summary of the meeting vs capturing all the dialogue of all the participants.
- The Agenda was approved with changes to a name Raul de la Fuente to Raul de Leon. Minutes of the 9/19/13 JAC meeting were approved.

3. Message from the Co-Chairs

- Bill welcomed the new JAC Mexican Co-Chair and David Parra, from SEMARNAT. No other comments.
 - Ana P. Martinez indicated that currently SEMARNAT was in a good position with regards to the leadership change as Co-Chair.
4. Public Participation – No comments at this point
5. JAC Discussion on Public Comments. No JAC discussion was provided. Carlos Rincon indicated that attendees would also have another opportunity later on the agenda for public comments.
6. [Air Quality Report](#): Gerardo Tarin presented an air quality summary from January 2013 – December 2013.
- Carbon Monoxide: CAMS in El Paso and Juarez, indicated that the four highest 8-hr Averages did not exceed the either the US & MX standards.
 - Ozone (8-hr): Discussion took place on the Santa Teresa, NM monitor which indicated that the top four 8-hr average for the year, for this monitoring exceeded the ozone standard for 2013. Air quality history for this area indicates in Dona Ana County, particularly the Desert View monitor indicated potential issues with the ozone standard.
 - After Action: Bill Luthans indicated he would follow-up with EPA Air Quality staff and NMED to possibly look into what is going on at this particular station. NMED staff, Michael Baca, indicated they have seen the trend in this monitor for the past 1 ½ yrs and were also looking into the data.
 - Dr. Li also commented the Rider 8 project his team had just completed, did show a “hotspot” in the area where the Santa Teresa monitor is located, which is at the port of entry. This data presented seems to confirm the data from the Rider 8 modeling.
 - Dr. Carlos Rincon will share Northbound traffic trends and actual count of POV and commercial data that at Sana Teresa, NM POE.
 - PM 2.5 & PM 10:
 - Data demonstrated during some hi-wind events the monitors indicated elevated levels that exceeded the limits for PM. However, these events are flagged as exception events.
7. [Vehicle Emission tool for El Paso-Cuidad Juarez](#)
- Question from Audience: Why not use the model 3.2 vs 3.1?
 - More than likely do to the timing of the study (2010), version model 3.2 was not yet available
 - Dr. Carlos Rincon: As Mexico moves into the development of the next ProAire for Juarez, this study should be consider or utilized.
8. [Ciudad Juarez Emission Inventory, Phase II, Point Sources](#)

- Dr. Li indicated that due to this project, the project team was able to publish 4 separate reports, highlighted various aspects and data of the project. These reports being:
 - Fugitive Emissions from Unpaved Roads
 - Question from Attendee: During this study, were other sites (that had no vegetation) evaluated for their contribution to wind erosion missions.
 - Response: No, but some of this data could be done
 - Fugitive Emissions from Cement Kilns
 - Dra. Alba Yadira Corral: This study indicated that the cement plant could reduce dust emissions by applying chemical dust suppressant. Considering that paving all the unpaved roads in Juarez are a very significant cost, could the city not use these chemicals suppressants to essentially reduce the PM from unpaved roads?
 - Dr Rincon shared with audience that a Fort Bliss contractor Chris Taylor of Soils Controls International and the owner of Military Resources Services, Inc presented at the 2011 17th National coordinators meeting worktable “Dust abatement and Public Health Concerns” a technology that consisted in applying soil retardants for dust abatement control. Chris Taylor has been a partner within the JAC / Air Policy Forum and Public Health; Dr. Rincon will put in contact Chris Taylor to the team led by Dr. Li.
 - VOC emission from gas fuel stations
 - Survey portion of the project was challenging due to the way gas stations are operated in Mexico. There is an attendee who pumps the fuel into the vehicle and also is the one who takes the payment. Fuel stations attendance were very hesitant to share how much fuel is actually pumped. It was a challenge
 - VOC emissions calculated from the data collected from the surveys are different from data released by PEMEX (slide 21).
 - VOC emissions from paint and body shops.- The best that this sector could be evaluated because the way in which they do business are constantly in the move and other that stop operations without informing closure of business.
- David Parra (SEMARNAT) indicated that SEMARNAT has conducted studies on emissions they would like to share with UTEP for possible future collaboration. Furthermore there are also a recent version of Industry’s Annual Reportin Cedula known as COAs that are more complete.

8. [PROAIRE: Mexico’s Goal & Challenges for Managing Air Quality.](#) David Parra from SEMARNAT provided a great deal of discussion regarding the Pro Aire.
 - Dr. Alba Corral provided comments.- stated about the work and funding need to have a good handle of Brick Kilns emissions and program to improve at the

potential that the current MK design gives to the economy of brick kiln makers and to the environment.

- Lic. Alejandro Gloria, Director General of Ecology Municipio de Juarez, said that the previous PROAIRES (1 and 2) have been short on accomplishing expected goals of Emissions Reductions; On one hand there were a lot of actions outlined as commitments, however, the committee needs to consider that it's not only committing to actions but ensuring that there is money to commit to these actions, an example is the Juarez's landfill capture of methane gas being recovered for electric energy production but to this day, Mexico's Federal Electric Commission (CFE) has not paid Juarez Administration for the amount of electricity that has been submitted to the transmission lines.
- That is one of the challenges / issues with the Juarez ProAire that was just completed, many of these actions were left unresolved or without monetary commitment.
- Dr. Carlos Rincon, said that there is need for SESs (First Level Secretaries officials) to co-sign and commit on how their respective sector either form Transportation and or Energy, Agriculture, Livestock, Commerce, Health, Treasury, etc., will contribute accordingly to respective appropriate measures in which their sector is a partner and or stakeholder. The Senior Executive Service Official need to give guidance and instructions to their respective local officials, including those of State and Local jurisdiction among all of those sectors.
- Authorities need to consider the Academia as a resource; they conduct a lot of research that can assist in the development of these programs. Several examples were given by Dr Alberto Correa of technology in which he has been involved, promoted and or have had hands on to it, it has not been used. Dr Correa will share with JAC members and partners those tools and technologies to be taken into account when structuring measures in the ProAire.

9. JAC Discussion:

- Dr. Dave Dubois: What is the status of mitigation of unpaved road in the Juarez municipality?
 - The BECC did a certified project to answer this.
- Rolando Lozano, citizen (?): to reduce vehicle emission public municipality officials need to consider the design of municipality, reducing travel time by limiting street lights on some roads, have a more continuous flow of traffic, by including overpasses within the Municipal Urbanization Plan.
- - The BECC did certified Plan de Urbanization Municipal project to answer this.

10. Next meeting May 22, 2014.

11. Adjourn