



**Southern Regional Office (SRO)  
400 W. Congress, Suite 433, Tucson, AZ 85701**

**DRAFT Minutes of the  
Broadway-Pantano Water Quality Assurance Revolving Fund (WQARF) Site  
Community Advisory Board (CAB) Meeting – 43<sup>rd</sup> meeting**

June 18, 2008, 6:30 - 8:30 p.m.  
Eastside City Hall, Room A  
7575 E. Speedway Blvd.  
Tucson, Arizona

CAB Members Present: Mark Brusseau, Judy Burns, Carla Casler, James Garrett, Aubrey McMullen, Bill Petroustson, Wanda Ryckman, Jean Sabo, Michael Smith

CAB Members Absent: Cheri Bludau, Dolores Fife, Mike Mahan, Janet Marcus, Jackie Olson

ADEQ Southern Regional Office Staff Present: Gretchen Wagenseller, Project Manager; William Ellett, Superfund Programs Unit Manager; Eileen Palese, Community Involvement Coordinator

Members of the Public Present: Jeff Drumm, Bruce Prior

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The meeting began at 6:40 p.m.

**1. Call to Order/Introductions**

Co-chair James Garrett conducted introductions of CAB members and public participants.

**2. Approval of Minutes for 4/9/08 CAB Meeting**

Judy Burns moved to approve the minutes from the April 9, 2008, CAB meeting. Bill Petroustson seconded the motion. The CAB voted; all were in favor, none opposed.

**3. Site Update plus Q&A**

Gretchen Wagenseller asked Jeffrey Drumm, City of Tucson Environmental Services, to report on the maintenance of the Western Containment System (WCS). He said regularly scheduled maintenance is being performed on the injection wells to make each well more efficient. He said both wells are being rehabilitated. A pump motor was accidentally dropped into well 90--a mounting broke and the suction caused it to fall in--so it must be retrieved before the well can be used. He said he hopes the well will be repaired by the end of the week.

Michael Smith commented that Ralph Marra, Tucson Water, said at the last CAB meeting that the WCS has never operated as it was designed. He said that the system only run 800-900 gallons per minute (gpm.), which might be the reason why some of the contamination may be getting through the system. He asked what running the system at a lower capacity means in terms of the groundwater modeling to show what is taking place. Jeffrey Drumm said that the WCS operates at 800 gpm.

Gretchen Wagenseller reported on the state budget. She said that if no further cuts are made and the state budget is passed, the WQARF program will only lose \$5 million. The Broadway-Pantano site will receive approximately \$800,000 for Fiscal Year 2009 (FY09). She said this will cover finishing the Groundwater Remedial Investigation Report, the Feasibility Study, preparing a Scope of Work for the Landfill Operable Unit, and providing funds to continue groundwater monitoring and a number of other tasks. She said the WQARF budget is expected to be \$12.3 million for next FY09.

She reported that the contractors are still working on the Human Health Risk Assessment using shallow soil gas data collected around the Broadway North Landfill in 2000-2006. They hope to have this report completed in July. A risk assessor for ADEQ's Waste Programs Division will review the report and then will be used to present the results at a future meeting. Gretchen Wagenseller also reported on methane data and said she has a draft report and will provide the final report to the CAB when it is released.

Gretchen Wagenseller informed the CAB that a property owner has applied for a Prospective Purchaser Agreement for the northwestern part of the Broadway-North Landfill. This has been in the works for a year and they have agreed to have an Environmental Declaration of Use Restriction (DEUR) on the property—a DEUR requires them to maintain a soil cover where there is landfill. If they want to remove waste, then an amendment to the Engineering Control Plan would have to be done. They have to be in compliance with the City of Tucson Landfill Ordinance. She said they plan to build commercial and some residential, multi-story structures on the landfill.

Jean Sabo asked if there is a restriction on residential development on landfills. Gretchen Wagenseller said there is a DEUR restriction on two parcels at the Broadway South Landfill that was received under the Voluntary Remediation Program. Also, the property owner must comply with the city Landfill Ordinance.

Gretchen Wagenseller said that plume maps are being revised and she will have them to present at the next CAB meeting.

Jean Sabo asked about the problem of volatile organic compounds migrating into structures. The CAB discussed this issue and that the state relies on the city's Landfill Ordinance to guide property owners. Eileen Palese said the Landfill Ordinance is on the city's website.

William Ellett reported on how ADEQ is addressing the question of how well the WCS is working. He said ADEQ feels confident that the system works as designed. He said that the ADEQ contractor, Stantec, has been working on a technical memo on the effectiveness of the

WCS system, analyzing all of the data collected to this point. This memo should be completed soon. He said the water level map is a critical component to determining if contamination is getting by the system. He said what the contractor is seeing thus far is that the depiction of the water levels on the ADEQ plume map (displayed at the meeting) is fairly reasonable--the contours can't change that much based on the geology at the site and the hydrologic parameters. He said the other ADEQ contractor, Clear Creek Associates, is working on the groundwater modeling which is a good thing to use to evaluate the capture zone of the WCS. Short of drilling wells, that is the best tool for looking at capture.

He said ADEQ will revisit the idea of putting in at least one more well at the WCS. He said they have been talking with Tucson Water about the capture zone of the WCS and well installation. He said all of the agencies want to be sure the WCS is performing as it should.

The CAB discussed the possibility that some contamination may have already passed by the WCS and how this could be determined. Some members expressed that they believe containment is more important than cleanup at this time.

William Ellett said that four hydrologists have looked at the Broadway-Pantano WQARF site, including a groundwater modeler, and the picture ADEQ has of the water levels should be close to what is going on at the site. He said they all acknowledge that some contamination most likely passed the area of the system before it was built.

Bruce Prior, Tucson Water, said the WCS was shut down for repairs for six months when the pipeline broke so it is likely that, with the gradient as it is, the plume was moving west at that time. He said these are the kind of uncertainties that can't be planned for.

William Ellett said that every engineered system is going to have some down time. He said the groundwater flow velocity is slow so most likely there was not enough time for contamination to pass by the system to any significant degree.

Gretchen Wagenseller said that during the time that the system was down, the BP-2 well and BP-4 well showed no change, in fact no detection, of contamination. She is perplexed as to why the BP-21 well still shows contamination. She said it is not coming from the capture area of BP-2 because it has been clean for years.

William Ellett told the CAB that a meeting is being held next week with ADEQ management and representatives of the City of Tucson to discuss the WCS. He said that for six years management in Phoenix has said no to installing wells beyond the WCS because the concentrations are considered too low.

Bill Petrouson asked about the concentrations in BP-21 and if any modeling has been done relating to natural attenuation. William Ellett said that it is only one well and it would not be possible to model. He also said monitor wells have a short screen, so it is hard to imagine that the contamination could be above regulatory levels in the long-screened production wells.

Michael Smith asked if there is money in the budget for another well. William Ellett said there is money and that ADEQ is discussing other wells that might help define the plume.

Jeffrey Drumm said the system has never run at full capacity due to a design flaw. William Ellett said that through the groundwater modeling, all of the site characteristics will be under scrutiny. He said if there is reasonable doubt about how well the WCS is capturing the contamination, he will recommend that ADEQ install another well. He said that the Feasibility Study looks at these issues and whatever is decided, the final remedy will be designed to protect the use of the aquifer.

**4. Call to the Public**

No members of the public were present to comment.

**5. CAB Outreach Reports**

Eileen Palese reported on the CAB Co-chair workshop held May 7, 2008. She said ADEQ hopes to hold the workshop again next year.

**6. Other Administrative Business**

Eileen Palese had nothing to report.

**7. Next Meeting Date/Agenda Discussion**

The next meeting of the Broadway-Pantano CAB will be held from 6:30 p.m. to 8:00 p.m., Wednesday, September 24, 2008, at Eastside City Hall, Room A, 7575 E. Speedway, Tucson, AZ. Call Eileen Palese, ADEQ Community Involvement Coordinator, SRO, at (520) 628-6712, or email at palese.eileen@azdeq.gov, for meeting information and proposed agenda.

**8. Adjournment**

The meeting was adjourned at 7:30 p.m.

*This meeting was recorded on a digital device as a record of the proceedings. To listen to a recording, or for additional documents mentioned in these minutes, contact ADEQ's Southern Regional Office, Community Involvement Office, 520/628-6712.*

**Minutes prepared by: Eileen Palese 8/27/08  
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