



**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 – 44<sup>th</sup> meeting**

September 24, 2008, 6:30 - 8:00 p.m.  
Eastside City Hall, Room A  
7575 E. Speedway Blvd.  
Tucson, Arizona

CAB Members Present: Mark Brusseau, Judy Burns, James Garrett, Janet Marcus, Aubrey McMullen, Bill Petroustson, Michael Smith

CAB Members Absent: Cheri Bludau, Carla Casler, Dolores Fife, Mike Mahan, Jackie Olson, Wanda Ryckman, Jean Sabo

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

Members of the Public Present: Robert LeBaron, Tom Kimmel, Ralph Marra, Richard Hoppe, Nancy Petersen, Joe Huerstel

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The meeting began at 6:40 p.m.

**1. Call to Order/Introductions**

Co-chair Judy Burns conducted introductions of CAB members and public participants.

**2. Approval of Minutes for 6/18/08 CAB Meeting**

There was no quorum of members present, so this agenda item will be held until the next meeting.

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

Gretchen Wagenseller reported that the Western Containment System (WCS) well rehabilitation was completed toward the end of July and the system is now pumping groundwater at 800 gallons per minute.

She distributed updated plume maps, dated April 7-10, 2008, to the CAB and participants for the Broadway-Pantano WQARF site—a Groundwater Tetrachloroethene (PCE) Concentrations map, a Groundwater Elevation Contour map, and a WCS Groundwater Elevation Contour map. She said that the data has not changed very much from the last site-wide sampling event performed in November 2007. She said the ADEQ contractors did perform a mini-sampling event in July. The data was good news because the concentrations came down slightly in BP-21 well.

Gretchen Wagenseller reported that she had received the *Fifth Rebound Test Report, Broadway-North Landfill Operable Unit, Broadway-Pantano Water Quality Assurance Revolving Fund Site, Tucson, Soil*

Vapor Extraction and Air Injections System. She offered the report to the CAB for review. She said CAB member, Cheri Bludau, had been interested in the results of this study.

Gretchen Wagenseller displayed a map of the Broadway North Landfill with the Soil Vapor Extraction (SVE) system extraction, injection, and rebound monitor wells which included inset graphs showing the soil gas test results over time. She said that only two points were above a Remedial Action Objective level for protection of groundwater. WR-273A contained 15 micrograms per liter (µg/l) of PCE at 220 feet below ground surface (bgs) and DP-5 contained 15 µg/l of PCE at 250 feet bgs, and the RAO for PCE is 14 µg/l. She said the main concern is with having elevated PCE concentrations near the groundwater table, which is approximately 330 feet bgs. She updated the CAB on the status of the review of the Remedial Investigation Report (RI) and the Proposed Remedial Objectives (RO) Report. She said one year ago ADEQ took comments on the RO report and ADEQ management is currently reviewing the comments. When approved, the Proposed RO Report will go out for a 30-day public comment period, and ADEQ plans to time this when a CAB meeting can be held so that the CAB will have an opportunity to comment as a group, if that is what the CAB wants to do.

Gretchen Wagenseller updated the CAB about the Broadway-North shallow soil gas risk assessment [southwest perimeter of landfill] status. An ADEQ Risk Assessor is reviewing the report and will come to a CAB meeting to explain the results, when finalized.

She also announced that Samantha Roberts, Manager of ADEQ's Remedial Projects Section, is leaving ADEQ on October 3. She said she does not know who will be replacing her. She said that Jim Garrett had requested the figures on the Fiscal Year '09 budget. She asked him if he just wanted the figures for the Broadway-Pantano site or for the entire WQARF program. She will mail the budget to him.

She said the current site budget is slightly more than \$1 million. This will allow ADEQ to perform groundwater modeling for the Feasibility Study (FS), provide electricity for the WCS, maintain the contract with the City of Tucson, provide replacement carbon for the WCS as well as well rehabilitation, and there are funds for regular operation and maintenance of the system.

Jim Garrett asked how the granulated activated carbon is disposed of. Gretchen Wagenseller said that it is sent to a company that can regenerate it and reuse it in systems that can take a lower quality of carbon. Virgin carbon will be replaced in the WCS by the end of this fiscal year because that is the time it should be ready to be changed out.

Gretchen Wagenseller reported that the Groundwater Feasibility Study modeling meeting took place September 16. ADEQ's modeler, Clear Creek Associates, presented the flow part of the model--how fast and in what direction the water travels. They also looked at how the groundwater flows impact the aquifer. In two months they will add the contaminants to the model.

William Ellett addressed the effectiveness of the WCS, and said Tucson Water was interested in performing an evaluation of the capture zone of the system. He said that Stantec used a particle tracking method and they are now working on a memo where they will provide the actual data and create groundwater maps to evaluate the effectiveness of capture. He said that ADEQ believes that when the system is running, it is capturing the contamination. He said ADEQ is not sure what is going on at BP-21 monitoring well because PCE is still being detected there above regulatory limits. This well is downgradient of the capture zone. He said ADEQ and the city are still evaluating why this is occurring and have discussed the installation monitor wells in the northwest area of the plume.

Ralph Marra, Tucson Water, said the size of the plume of contamination is still unknown. Additional wells will help better define what is taking place. He said Tucson Water is working with ADEQ to delineate the plume.

William Ellett said ADEQ's consultant will perform some additional particle tracking with the WCS turned off to determine the impact of shutdowns on capture.

Gretchen Wagenseller said there may have been some miscommunications at the last CAB meeting regarding the operation of the WCS. She said that according to the original WCS plan, the system is operating within the design specifications--800 gallons per minute, which is sufficient when the last-on-first-off adjacent wells are not pumping. Clear Creek Associates, now working on the groundwater modeling, was the original modeler for the WCS, which is a great advantage.

The CAB discussed the capture zone of the WCS and expressed their concerns about protecting the central well field to the west of the site.

#### **4. Report on the 9/16/08 Groundwater Modeling Meeting by CAB Member Attendee**

Mark Brusseau attended the meeting as the CAB representative. He said ADEQ's consultants, Clear Creek Associates, presented the flow model they built. He said they went through an extensive series of calibrations to see if the model was realistic. He said they used a large amount of water level data. He did not know how more calibrations could have been done. He said the modelers are using different scenarios--they can't improve on subsurface properties. He said he will attend the next groundwater modeling meeting in November.

#### **5. CAB Discussion of Western Groundwater Containment System Capture Effectiveness**

Judy Burns said this agenda item was provided so that the CAB could discuss the issues raised at the last CAB meeting regarding the effectiveness of the WCS. She said that unfortunately, without a quorum, the CAB cannot vote on an action; however, after hearing the presentations from ADEQ about the meetings between the state and the City of Tucson, there does not seem to be a need to take any action at this time. William Ellett said that the next round of particle capture data will help determine the safety factor, that is, the length of time the WCS can be off-line for repairs before PCE travels beyond the point of the WCS being able to capture it when it is brought back on line.

The CAB asked questions regarding the operations of the WCS. Ralph Marra explained that due to the different types of soil--coarse to fine--water can move at different rates, so that makes it more complicated to study.

Michael Smith asked how soon the wells will be drilled. William Ellett said that a draft amendment to the work share agreement between ADEQ and the City of Tucson to provide for City installation of three groundwater monitor wells downgradient of BP-21 has been submitted to the Arizona Attorney General's office for review.

Nancy Petersen, City of Tucson Environmental Services, complimented the CAB for their years serving on the board and said this helps gain support of the community for the cleanup. Judy Burns said that there are other WQARF sites in the state, but this site is so important because the contamination is heading for the central well field.

#### **6. Call to the Public**

No one wished to comment.

**7. CAB Outreach Reports**

Judy Burns said she does mention the Broadway-Pantano WQARF Site at city committee meetings and invites them to attend.

**8. Other Administrative Business**

Eileen Palese asked if it would be better for her to call people on the same day to remind them of the meeting, but the CAB members present said that they preferred being called the day before. They said people also get the mailing as a reminder. The CAB decided that people should be asked if they wish to remain on the board if they have recently missed two meetings or more in a row. Eileen Palese said she will mail the maps from this meeting to the members not present and provide them with the next meeting date. She will also speak to members who have not attended meetings in recent months.

Nancy Petersen invited the CAB to tour the Los Reales Landfill because a new waste disposal cell is under construction and this might be of interest to the members. She said she would coordinate a date and time with Eileen Palese. The CAB expressed their interest and discussed whether a day or weekend would be better for their schedules.

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

The next meeting of the Broadway-Pantano CAB was planned for Wednesday, January 14, 2009; however, a special meeting was called for December 2, 2008. It will be held from 6:30 p.m. to 8:00 p.m., at Eastside City Hall, Room A, 7575 E. Speedway, Tucson, AZ. The CAB will discuss the date for the next meeting on December 2. 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.

**10. Adjournment**

The meeting was adjourned at 7:35 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 11/24/08  
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