

**Phoenix-Goodyear Airport (PGA) Area/Western Avenue Plume
Community Advisory Group (CAG) Meeting**

**Thursday, February 06, 2014
6:00 p.m. to 8:30 p.m.
Goodyear Justice Center
195 N. 145th Avenue, Goodyear, AZ**

DRAFT MINUTES

CAG Members in Attendance:

Diane Krone
Lisa Amos
Jeff Raible - Co-chair
Frank Scott – Co-chair
Karl Havlicek
David Ellis
Earl Smith
Tim Birdsall

ADEQ Staff in Attendance:

Travis Barnum, PGA North Project Manager
Brian Stonebrink, PGA South Project Manager
Delfina Olivarez, Western Avenue Project Manager
Wendy Flood, Community Involvement Coordinator

Facilitator:

Marty Rozelle

EPA Staff in Attendance:

Cathrine Brown
Amanda Pease

Others in Attendance:

Ailiang Gu, ITSI Gilbane; Nancy Nesky, ITSI Gilbane; Kent Baugh, ITSI Gilbane; Harry Brenton, Matrix New World Engineering; Stephanie Lyn Koehne, AMEC; Dave Brubaker, Army Corp of Engineers; Mark Holmes, City of Goodyear; Tom Surrano, Clear Creek Associates; Jim Creedon, Crane Company; Chris Legg, Brown & Caldwell; Brian Waggle, Hargis+Associates, Inc.; Michael R. Long, Hargis+Associates, Inc.; Kathy Hunter, Hargis+Associates, Inc.; Marilyn Havlicek; Stephanie Fogelson; Diane Burnett; Nancy McFillin; Glen Turner and Frank Eckhardt.

Welcome and Introductions – Co-Chair Jeff Raible called meeting to order. Introductions were made by CAG Members and audience.

PGA NORTH SITE – Proposed Plan (PP) Overview - CAG Discussion and Answer Session - Catherine Brown, EPA.

Ms. Brown reviewed the presentation given at the public meeting the night before by discussing the Proposed Plan (PP) alternatives, reviewing the contaminated area, and announcing the preferred alternative No. 4. In addition, Ms. Brown informed the CAG that the comment period ends February 24th and the locations where the plan can be reviewed. EPA also stated that all comments received will be responded to in writing. The next step in the process is for EPA to write the Record of Decision (ROD) Amendment for the final alternative. Crane Co. will submit a design plan for the building and start-up of the change to the remedy.

A CAG member asked the EPA to confirm if the hydraulic barrier is a cone of depression on Van Buren. An EPA consultant confirmed and further described a cone of depression. The CAG member wanted to confirm there were three wells, and the EPA responded there were three wells and those were EA-03, PZ-01 and EA-09, which just came online in January.

A CAG member wanted confirmation that EA-09 is the northern-most extraction well for capturing contaminants. EPA responded that EA-05 to the east, in place since 2006, will also capture contaminants that migrate to the north, and there is also another well to the north. The CAG member then asked if the groundwater flowed in that direction to capture at EA-05 and EPA stated yes, it would just take longer. EPA also added that their objective is to capture contaminants at the Van Buren line so that it doesn't migrate further north.

ADEQ clarified that EA-09 started in November and hit the targeted pumping rate in January 2014. A CAG member asked for a pump rate comparison to the other two wells. An ADEQ consultant confirmed that EA-09 is pumping at 150 gallons per minute (gpm), PZ-01 is pumping between 80-85 gpm, and EA-03 at approximately 60 gpm.

A CAG member clarified that theoretically, all the alternatives have some risk associated with their implementation and that it is important to understand that the hydraulic barrier is not truly a barrier. It doesn't impede water movement but allows for hydraulic control. The CAG member asked what steps will be taken to negate those risks if the hydraulic control fails. EPA reminded everyone that the existing remedy of pump and treat systems have to remain operable without more than an 8 hour shutdown period even after the addition of this suggested remedy. If for some reason the hydraulic control along Van Buren is insufficient, it can be added to and improved.

A CAG member noted that based on the cross-section map, it appears that there are routes below the barrier where contaminants could move north. He asked what, if anything, can be done to ensure the lower level of water is not a conduit. EPA responded that there has not been an evaluation in regards to EA-09 capture, but it has been operating at its designed capacity since January 2014. It is EPA's intent to evaluate the capture of that well later in the year. If the analysis shows that it is better to capture at Van Buren with an additional extraction well they will consider that.

A CAG member asked the EPA about an estimated installation start date. EPA responded that there are many variables and steps still necessary to complete before the actual remedy is started. However if things go smoothly it could be as early as 120 days, and the EPA hopes to start the implementation prior to the end of the year.

A CAG member asked if the water will travel downwards when the hydro-fracturing occurs. EPA responded that the high pressure injection process, as it was done during the pilot program, will create an upward movement. EPA consultant stated that injection into bedrock will create a horizontal fracture. In sediments the fluids will curve upward and the chemical injected can only migrate less than about three feet.

A CAG member clarified that the concern is that the fracturing will create additional conduits for the untreated water to migrate more quickly outside of the hydraulic control zone. EPA consultant stated that there should not be any enhancement for untreated water to migrate separately from the amendments that are added. The presence of both NZVI and nutrients for the bacteria will take care of contaminants by attaching itself to the water. In addition there will be substantial monitoring done.

PGA NORTH SITE – Proposed Plan (PP) – Board Overview of February 5, 2014 Public meeting.

There was a general review of the public meeting from those members in attendance and their perspectives regarding attendance, communication, education, and ways to promote more participation in the future. EPA mentioned that this CAG meeting is not the place for taking or recording official comments to the proposed plan. They suggested that those who didn't attend the meeting on the 5th use the addresses given to provide comments before the February 24th deadline.

The following comments were made:

1. Lack of public concern suggests that the public is satisfied that the agencies and the CAG must be doing their jobs since there was not a huge level of anxiety about the issue in the community.
2. Disappointed in public turn out at the community meeting as obviously a lot of time, effort and expense went into the preparations for the meeting for the few people that came. Perhaps it underscores the need for better community communication.
3. Lack of public input due to either lack of concern with controlling the contaminants in their current location and /or the negative impact to the communities discussing the negative content of the topic (i.e. home sales).
4. Lack of known tangible impact to the community either monetarily or physically may be part of the lack of interest.
5. The community may not be comfortable with the situation at the site, but it seems as if they are comfortable that all the necessary actions are being taken to ensure public safety.
6. Concerns about public notice postings for wells and their purpose. They should be more visible and easier to access.
7. A CAG member wondered how attendance at these meetings compares with other Superfund sites. EPA responded that it is different for each community. At this site, city leaders and the CAG are much more involved. They inform the community about what is happening in various ways as well as making themselves available for more details if the public has a concern.

8. The City is a stakeholder and chooses not to provide the technical information on their website. However, the city's website provides links to the EPA website and CAG contact information on the ADEQ website for questions and concerns.
9. A concern was expressed about the reliance on websites, web-based or e-mail notices for all community members. The feeling is that approximately 10 percent of the community is reached in that manner. Hard copy publications and notices are vital for informing the community as well as moving the CAG meeting location for convenience of residents.
10. A community member suggested that post cards be sent to notify the community similar to the ones the City of Goodyear provided for their general plan meetings, as well holding meetings in multiple community locations. It was also suggested that the City of Goodyear could have added the EPA public comment meeting to this post card to increase public awareness.
11. A suggestion from a community member to use the individual neighborhood/community publications distributed every month.
12. Another suggestion was to include additional topics to the meeting agenda - beyond the plume and contaminants to increase attendance.

PGA SOUTH SITE – Brian Stonebrink, ADEQ Project Manager

[See slide presentation](#)

WESTERN AVENUE (WA) WQARF site: Delfina Olivarez, ADEQ Project Manager

[See slide presentation](#)

A CAG member asked about the status of the Area Between the Sites Study. EPA responded that the report is complete. All the wells north and south were surveyed and the water levels were compared, confirming that there is no co-mingling of the north and south plumes.

Call to the Public:

An audience member inquired about her community being told they will be using reclaimed water inside the subdivision and will be paying for the increased costs. The community was told that the ADEQ would be the next point of contact for getting their questions answered about how this happened and why. ADEQ CIC thanked her for attending and indicated this was not a topic on the agenda and directed her to the proper individual to get their answers.

CAG Business:

- ✓ Unanimous acceptance minutes of November 7, 2013 with one name correction.
- ✓ EA-09 contingency plan to keep the well in service at all times.
- ✓ EPA to produce graphics that shows lines of injection and extraction for clarification on how containment of plume is ensured.
- ✓ Plume discussion in conjunction with grid map.
- ✓ PGA CAG Outreach:
 - A CAG member was interviewed in front of the former Unidymanics Site by a student at the Walter Cronkite School of Journalism. If the interview is published the group will be notified.

- A CAG member tried to get a notice for the 2/5/14 public meeting in Southwest Valley section of the Arizona Republic with no response. EPA posted the meeting notice in the West Valley View and in a Spanish publication.
- A CAG member attended and set up a table at the Litchfield Park State of the City event in late January and spoke to about a dozen people. Individuals that attend these events are generally more engaged citizens. If there is a similar Goodyear/Avondale event it would be an excellent event to attend and engage the community. ADEQ will attend if invited or has staffing available.
- Take a picture of the group and post on the cover of each of the impacted communities with an article to generate interest.
- Move the meetings to alternate impacted locations to make attendance easier for the public and generate more interest.
- A subscription website that points to a subscription point for the public was discussed. This makes it easier on the public so the information is prompted rather than remembering to check. ADEQ already has a subscription button on their website and is researching others. EPA also has a similar service for different kinds of headlines (e.g. Water) but nothing specific to superfund sites. For those sites they have mailing lists that are specific to sites and ask for membership at each meeting on the sign in sheets.
- Get the Quarterly CAG meetings posted for free on the West Valley View calendar. Mr. Scott volunteered to do so.

Future Meeting Agenda Discussion

The next CAG meeting is scheduled for Thursday, May 1, 2014 at the Avondale City Hall beginning at 6:00 p.m. Remaining meeting times and locations are as follows:

Thursday, May 1, 2014.....City of Avondale City Hall
 Thursday, August 7, 2014.....Goodyear Justice Center
 Thursday November 6, 2014.....Pebble Creek Community

Action items:

1. Review of CAG meeting content due to EPA reduced availability (twice a year).
 - a. Hold an informational and Question and Answer period before meetings from 6-6:30 p.m. (e.g. WQARF specific & PGAN Plume size poster from ITSI – Max to current last 5 years)
 - b. Feedback to presenters on presentations.
 - c. Provide time for comments on Western Avenue Proposed Remedial Action Plan at May meeting. EPA will not be attending
 - d. EPA to provide update on status of the Proposed Plan process at May meeting. EPA will attend the November meeting and was asked to provide a financial overview of the site and proposed remedies and actions in place if funding runs out.
 - e. More information on PGA South site.
 - f. Focus on PGA North for November meeting.
 - g. Change of seating arrangements for May or August meetings.
 - h. Add CAG board members to EPA emailing list.

2. Schedule a meeting with a photographer for a group shot for posting in the community publications.
3. Contact Estrella Mountain Ranch for possible August meeting.
4. Contact Starpointe Community Center for possible venue option.

Adjournment