



**56<sup>th</sup> Street and Earll Water Quality Assurance Revolving Fund (WQARF) Site  
Community Advisory Board (CAB) Meeting**

Thursday, May 19, 2011, 5:30 p.m.-7:30 p.m.  
Gateway Community College  
108 North 40<sup>th</sup> Street, Room 1106  
Phoenix, Arizona

**FINAL MINUTES**

Ref: OU #11-062

CAB members present: Ginnie Ann Sumner, Alain Barnes, Jenn McCall, John James, and Martha Breitenbach

CAB Members absent: None

ADEQ Staff in attendance: Julie Riemenschneider, Remedial Projects Section Manager; Jennifer Thies, Remedial Projects Unit Manager; Danita Hardy, Project Manager and Felicia Calderon, Community Involvement Coordinator

Public present: Mary Moore; Chris Thomas; Mike McGeough; Donn Stoltzfus, City of Phoenix; Kailee Ramaley; Doug Tucker and Allison Seigel

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The following matters were discussed, considered, or decided at the meeting:

**1. Welcome and Introductions -**

Ms. Sumner welcomed all and thanked them for attending. Introductions were done for those listed above.

**2. Acceptance and/or Changes to April 9, 2009 Meeting Minutes – Ms. Sumner, CAB-Co-Chair**

Ms. Breitenbach requested that on page two of the minutes it should be mentioned that Ms. McCall stated that there were no fractures or intrusions in the bedrock, although her presentation did show fractures and intrusions in the bedrock. Ms. McCall requested that this action be tabled until the next CAB meeting to allow her time to respond to Ms. Breitenbach's comment to the minutes. The CAB decided to table this comment.

Ms. Breitenbach also readdressed her original request for additional remediation options besides pump and treat. Ms. McCall stated that she would provide Ms. Breitenbach a presentation that was delivered at a past CAB meeting that provided an overview of

alternative treatment methods for the site. In response to Ms. Breitenbach's comment regarding alternative treatments, Mr. James stated that such a historic review that has already been explained and explored five years ago would not be the best use of the CAB's time in this stage of remediation. Mr. Barnes expressed similar sentiments as Mr. James regarding maximizing the CAB's time. Mr. Barnes added that maintaining considerate relationships among the CAB members is critical towards his continued participation on the Board.

**3. CAB Co-Chair discussion and vote-Felicia Calderon, Community Involvement Coordinator**

The CAB discussed co-chair nominations. Ms. Sumner agreed to accept another term as co-chair. Mr. James volunteered to serve as the second co-chair to Ms. Sumner. Ms. Sumner and Mr. James were voted on as CAB co-chairs.

**4. Site Discussion of current status and activities related to the 56<sup>th</sup> Street and Earll WQARF site to include an update on the work agreement status and report on the construction of the two installed extraction wells-Danita Hardy, Project Manager**

Ms. Hardy first reacquainted the CAB on where 56th Street and Earll was in the WQARF process and then discussed specific remediation milestones, including the Consent Order (CO) signed on April 22, 2011 and the Early Response Action (ERA) requirements.

**See presentation below**

Ms. Hardy and Ms. Breitenbach discussed installed extraction well locations.

**5. Report on the Early Response Action (ERA) water treatment status, permits obtained and pending-Jenn McCall, Freescale**

Ms. McCall began her presentation with activities and accomplishments of the site that included: land licenses for wells obtained from Salt River Project (SRP); new well installations; various permits obtained; CO with ADEQ and the issuing of the design and construction contract. Ms. McCall then delivered a site update.

**See presentation below**

Ms. Breitenbach inquired if the U.S. EPA had any input regarding the cleanup actions for the 56th Street and Earll site. Ms. McCall replied in the negative and stated that this cleanup project is being overseen under ADEQ's Water Quality Assurance Revolving Fund (WQARF) program. Ms. Breitenbach requested that compounds boron and arsenic be integrated into the sampling for the site. In response Ms. McCall stated that heavy metals such as boron and arsenic were not listed as contaminants of concern (COC) for this site. Ms. McCall added that an inorganic survey was done a few years ago and it was determined that only volatile organic compounds (VOCs) would be monitored. Ms. Breitenbach's comment was noted regarding expanding the sampling scope to include boron and arsenic.

Ms. Barnes inquired of the security precautions to the new treatment system proposed. Ms. McCall stated that they have not gotten to that stage yet, but that the City of Phoenix's requirements regarding this installation as far as esthetics and screening etc. will also have to be considered along with the CAB's suggestions. Ms. Sumner suggested

to Ms. McCall that when they go for a use permit to ask for a chain link “topper” to increase security of the compound. Mr. James added that non scalable open slot fence would be best for this treatment system. Ms. McCall gave a preliminary description of her vision of the security with having the tanks sunk into the ground and some pillars erected with open slits to deter trespassers. Mr. James inquired if the treatment system in operation would be loud and Ms. McCall replied in the negative. Mr. James requested that sound control and visibility be the two items considered in construction of this treatment system. Ms. McCall stated that those two items were definitely goals. Mr. Barnes stressed that security and safety was a chief concern to protect what’s inside the fence (treatment system), but also to protect the community outside of the fence.

Ms. McCall explained for Ms. Breitenbach the “treated water acceptance agreement with SRP” topic that was reviewed in Ms. McCall’s presentation. Ms. Breitenbach inquired if SRP will require a check for heavy metals before the water is accepted. Ms. McCall stated that they can not discharge the water unless it first meets the Arizona Pollutant Elimination Discharge System (AZPDES) permit conditions. Ms. McCall added that she thought the AZPDES permit included the compound boron. Ms. McCall clarified for Ms. Breitenbach that the SRP permit still needed to be negotiated after AZPDES permit was granted.

**6. Call to the public-**

Mr. Stoltzfus inquired of how to obtain a copy of the CO. Ms. Thies stated that the public can request this report through the ADEQ Records Center in Phoenix or by sending an email to Ms. Hardy the Project Manager or herself requesting the report. Ms. Calderon added that an electronic copy of the CO is available at the Saguaro Library in Phoenix, the designated repository for the site. Mr. Stoltzfus inquired about the open land near the proposed treatment system site and Ms. McCall stated that this particular area is where a school is located. Mr. Stoltzfus reviewed the City’s involvement regarding the aesthetics for the proposed treatment system. Mr. Stoltzfus encouraged Ms. McCall to go through the site plan approval process as soon as possible. Ms. McCall stated that a comprehensive Remedial Investigation (RI) report will eventually be completed for the site within 120 days from the signature of the CO.

Mr. Thomas inquired as to the installation and or start up date of the proposed treatment system. Ms. McCall could not offer a date, but stated that there are still many steps to complete.

Ms. Moore inquired of the soil remediation levels (SRLs) and which compounds were addressed on a previous soil vapor investigation report. Ms. McCall stated that she would send Ms. Moore this report. Ms. Moore commented on the placement of the call to the public towards the end of the agenda. CAB Co-Chair, Ms. Sumner responded that allowing the CAB members to ask questions first after presentations and then the public at the end all presentations was acceptable. Ms. Moore inquired of Ms. Riemenschneider why the required WQARF statute of four meetings per CAB has not been in effect. Ms. Riemenschneider responded that within the same document Ms. Moore cited her statute

was also the statute that lists 18 million in funding that is suppose to be secured to the WQARF program, which has been cut to 7 million by the Arizona State Legislature. Ms. Riemenschneider added that due to significant budget cuts her Community Involvement Unit has been stripped down to just one Community Involvement Coordinator for the WQARF program. Regarding meeting frequency, Ms. Sumner added that the CAB had previously decided that they did not want to meet their usual four times a year, if no significant updates for the site existed. Ms. Sumner further stated that significant information now existed and that was why the CAB was meeting. Ms. Riemenschneider commented that on the WQARF sites where work is being conducted CAB meetings are being held. Ms. Thies added that the CAB can always contact Ms. Hardy, Ms. Calderon or herself between CAB meetings for site updates as well.

Ms. Moore questioned the new identified source area mentioned in the CO, which was making the concentrations higher at the site. Ms. Riemenschneider, replied that facts presented in the CO may be from years ago, but there is no new source area that has been identified. Ms. Riemenschneider added that even though the pump and treat remedy will be implemented to stop the plume from moving doesn't mean that this will be the final remedy for the site. Final remedies are decided in the RI and Feasibility Study (FS) which will fold into the WQARF remediation process. Ms. Riemenschneider clarified for Ms. Moore the remediation differences between the Motorola 52nd Superfund site and the 56th Street and Earll WQARF site, and emphasized that both sites are being cleaned up. Ms. Moore expressed her concerns with the plume estimates presented for Motorola 52nd Street Superfund site and the 56th Street and Earll site posted on the ADEQ Web site. Ms. Riemenschneider and Ms. Thies confirmed a lack of resources as the reason for the end of the frequent updates to these Web based plume maps. Several of the CAB members expressed their priorities were instead grounded in plume control and treatment.

Ms. Siegel expressed concerns regarding soil vapor intrusion at the old Motorola building at 56th Street and Earll, now being used as a charter school for kindergarten through eventually high school levels. Mr. Thomas offered a brief background on the environmental investigation done on the property and an update of future actions regarding this investigation. Mr. Thomas clarified for Ms. Breitenbach the soil results recovered from the site investigations at the school concluded that no remaining VOCs in the soil were above soil clean up levels as per ADEQ's standards. Mr. Thomas added that additional analysis is being done to make sure the air quality is the best inside of the building. Ms. Siegel stated that she would contact Mr. Thomas after the CAB meeting for additional clarification of her concerns at the school. Ms. Riemenschneider stated to the CAB that if they were contacted by fellow community members about this project at the school to please refer them to Ms. Hardy or Ms. Thies for their questions.

Ms. McCall clarified for Mr. Tucker the identity of wells listed on her presentation.

## **7. Next meeting date and agenda discussion-**

The CAB elected to have Mr. Thomas come and speak regarding the remediation activities at the school, Ms. McCall to review permitting results discussed in her presentation, and Ms. Hardy to give a progress report on site activities at the next CAB meeting tentatively scheduled for September.

**8. Adjourned -**

Ms. Sumner moved for adjournment. The motion passed, and the meeting was adjourned.

May 19, 2011

# 56<sup>th</sup> St. & Earll Drive WQARF Site

## Community Advisory Board Update

Jenn McCall  
Freescale Semiconductor, Inc.



# 56th Street & Earll WQARF Site Progress Update

- Land License for Wells Obtained from SRP
  - May 2009
- Wells Installed
  - 2 extraction wells and 2 monitoring wells – Completed end of 2009
- Permits Obtained
  - AZPDES - Arizona Pollutant Elimination Discharge System
    - Issued Feb. 2011 and Effective 3/25/2011 for 5 Years
  - PQGWWP – Poor Quality Groundwater Withdrawal Permit
    - Amended to include 2 extraction systems – Effective 7/15/2010 – 4/22/2029
- Consent Order with ADEQ signed
  - For Design and Construction of Treatment System - Effective April 22, 2011
- Design & Construction Contract Issued
  - Conestoga Rovers & Associates



SRP 16.9E-6N

East McDowell Road

North 32nd Place

East Coronado Road

East Almeria Road

North 30th Street

East Culver Street

North 31st Place

East Bellevue Street

East Brill Street

East Willetta Street

North Oakleaf Drive

North 33rd Street

◆ extraction ● monitoring

Proposed water treatment system location

202

North 32nd Street

North 34th Street

North 36th Street

East Moreland Street

East Diamond Street

North 31st Street

East Roosevelt Street

Red Mountain Free

© 2007 Europa Technologies  
© 2007 Tele Atlas

Google™

East Garfield Street

PICTURE 10  
CONTEXT PLAN

Existing Conditions Exhibit - Color Photographs  
56th Street and Earll Drive WQARF Site



DESCRIPTION: West End of Project Area  
Looking East over Entire Project Alignment

# 56th Street & Earll WQARF Site Progress Update

- Additional Permits & Agreements, Approvals Prior to Construction
  - NEPA (National Environmental Policy Act) – Bureau of Reclamation
  - Access Approval from SRP
  - Amend Land License Agreement with SRP to include Treatment Plant & Piping
  - Work Plan for Design & Construction - Approval by ADEQ
  - Treatment System Design Approval – ADEQ, SRP, City of Phoenix
  - Treated Water Acceptance Agreement with SRP
  - Construction Permits from City of Phoenix
  - Use Permit
  - Electrical
  - Water







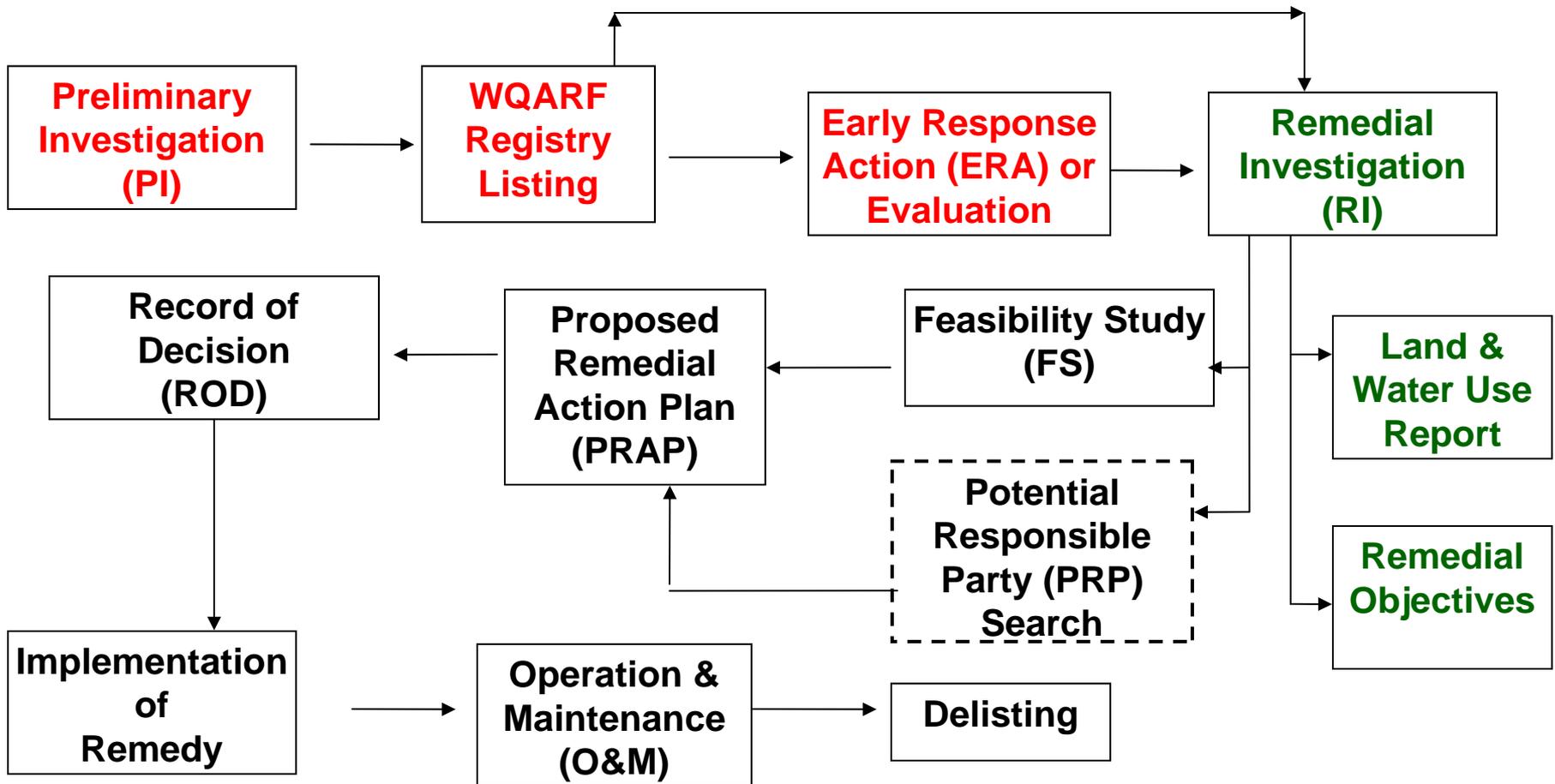
# **56<sup>th</sup> Street and Earll Drive WQARF Site**

**CAB Meeting**

**May 19, 2011**

**Danita Hardy – ADEQ Project Manager**

# WQARF Process Map



## Site Activities

- Bi-annual groundwater sampling (four sampling events)
- Freescale agreed to build ERA water treatment system
- Extraction wells installed November 2009
- Obtaining permits for water treatment plant

## MAX CONTAMINANT LEVEL SEPTEMBER /OCTOBER 2010

CONTAMINANT	AWQS	HIGH	WELL #
PCE	5 ppb	38 ppb	DM-15-135
TCE	5 ppb	620 ppb	DM-15-135
cis-1,2-DCE	70 ppb	8.51 ppb	DM-119-137
VC	2 ppb	1.9 ppb	DM-15-135

## **Site Update since April 9, 2009**

- **Recently signed Consent Order Update**
- **Groundwater Sampling Activities**
- **Extraction Well Construction**

## Consent Order

- Signed on April 22, 2011
- Effectively immediately
- Covers Freescale activities under WQARF

- **Investigation Summary Report**

- Within 120 days of CO signing (04/22/11)
- Summary of all Motorola/Freescale investigations at site
- Define nature and extent of contamination and sources

- **Early Response Action (ERA) Requirements**
  - Design/Implement ERA Groundwater Treatment system
  - Groundwater extraction & treatment by liquid phase activated carbon and
  - Discharge treated water to Grand Canal
  - Control & contain groundwater contamination to reduce scope/cost of remedy needed at the site

- **Needed Permits**

- Notice of Intent to Drill – ADWR (drill groundwater extraction wells)
- Poor Quality Groundwater Withdrawal Permit – ADWR (operation of extraction wells)
- Arizona Pollution Discharge Elimination System (AZPDES) Permit – ADEQ (discharge treated water to Grand Canal)



**EXTRACTION WELL DM-40 CASING**



**REVERSE CIRCULATION DRILL - EXTRACTION WELL DM-39  
(Sound Barrier Panels Visible to North)**

# Contact Information

**Project Manager: Danita Hardy**

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# Questions

