

**Cooper and Commerce Water Quality Assurance Revolving Fund (WQARF) Site
Community Advisory Board (CAB) Meeting**

**Thursday, February 24, 2011 at 6 p.m.
McQueen Park Activity Center
510 N. Horne St., Gilbert, Arizona**

FINAL MINUTES

OU #11-047

CAB Members present: Michael Evans, Deanna Gnadt, Bruce Friedrich, Pacer Udall, Nyanganya (Joe) Maniga, and Carrie Lewis

CAB Members absent: Bobbi Buchli

ADEQ Staff in attendance: Scott Goodwin, Project Manager; and Felicia Calderon, Community Involvement Coordinator

Members of the public present: None

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

1. Welcome and introductions

Ms. Calderon greeted all attendees. After introductions the meeting was turned over to the Co-Chair, Mr. Evans.

2. Acceptance and/or changes to March 25, July 15, and November 18, 2010 Minutes

Ms. Lewis motioned to accept all three meeting minutes as written, and Mr. Udall seconded the motion. These minutes were accepted unanimously by the CAB.

3. Discussion of current status and activities at the Cooper and Commerce WQARF Site to include: soil vapor and groundwater pump and treat contaminant recovery results; sampling results from the 4th quarter 2010 groundwater monitoring; and update on budget for site - Scott Goodwin, Project Manager

Mr. Goodwin initiated his presentation to the CAB with a discussion on current and future activities for the Cooper and Commerce site.

See presentation below

Mr. Goodwin discussed with the CAB estimated timelines of operation for the soil vapor extraction (SVE) and groundwater pump and treat systems.

Mr. Evans inquired why the carbon change-outs for the pump and treat system took so long to complete. Mr. Goodwin responded that it was due to the waste profile needed to transport the carbon. Mr. Goodwin proceeded to explain this process, and noted that the profile lasts for two years.

Mr. Goodwin discussed with Mr. Udall contaminant removal amounts.

Mr. Evans inquired of Mr. Goodwin his opinion why the groundwater flow direction has turned to the southwest. Mr. Goodwin stated his two theories for the plume directional shift as being, first, well pumping influences to the northeast have diminished, second, the decrease in the Town of Gilbert's (TOG) volume of water discharged to the underground storage and recovery project located south of the site. Previously the Town discharged approximately 3 million gallons per day and currently discharges 800,000 gallons a day into the recharge basins south of the site.

Mr. Goodwin discussed with Mr. Friedrich the tetrachloroethene (PCE) concentrations in wells G-10 and G-8. Concentrations of PCE in G-10 are above the aquifer water quality standards (AWQS). Mr. Evans commented that these two wells mentioned are not drinking water wells, but are utilized for irrigation.

Mr. Friedrich inquired if the drinking water has been impacted by PCE. Mr. Goodwin responded in the negative and mentioned the TOG 15 well, as being regularly sampled by TOG for PCE contamination.

4. Discussion of CAB activities to include: Co-chair vote, future membership, meeting frequency, and possible CAB member presentation to the Town of Gilbert (TOG) Environmental Programs Task Force-Felicia Calderon, Community Involvement Coordinator

Ms. Friedrich motioned to retain the same co-chairs, Pacer Udall and Mike Evans, and Mr. Maniga seconded. The motion then passed unanimously by the CAB.

Ms. Gnadt and Mr. Udall stated that three meetings a year would be sufficient. Ms. Calderon advised the CAB that Mr. Goodwin and she would look into having less than four meetings a year and will schedule meetings according to significant site updates available for the CAB.

Mr. Evans offered to present at a future meeting for Mr. Rinesmith's TOG Environmental Programs Task Force. Ms. Gnadt offered to assist Mr. Evans on this presentation if necessary.

5. Call to the Public- No public was present during this meeting.

6. Future Meeting and Agenda Discussion

The next CAB meeting will be held at the McQueen Park Activity Center, 510 N. Horne St., Gilbert, Arizona, on Thursday, June 23, 2011, beginning at 6 p.m. Agenda items for the next meeting included: contaminant recovery results from remediation systems; sampling results from groundwater monitoring wells; and future activities for the site.

7. Adjournment

Mr. Evans adjourned the meeting.



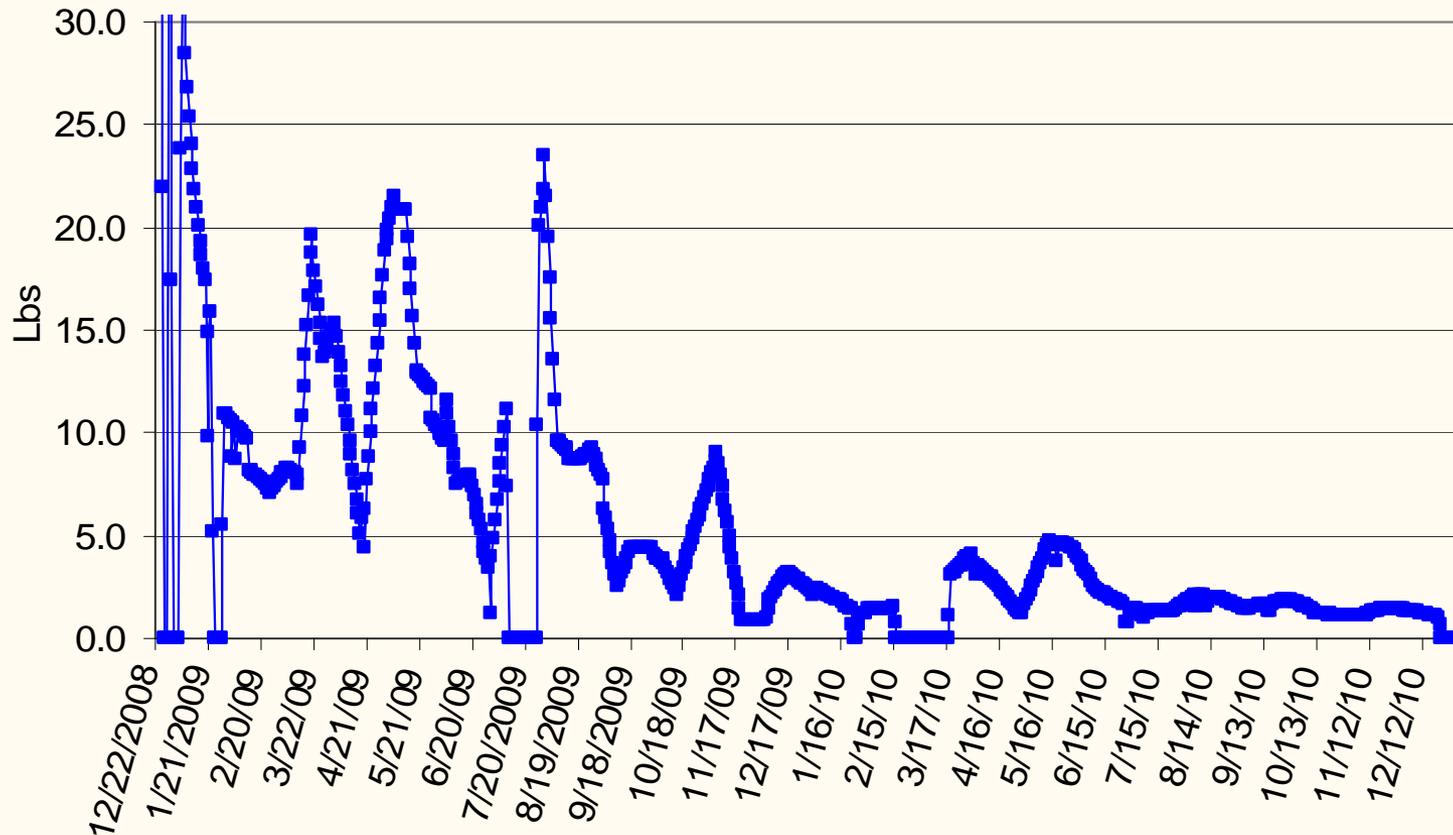
Cooper and Commerce Water Quality Assurance Revolving Fund (WQARF) Site

February 24, 2011

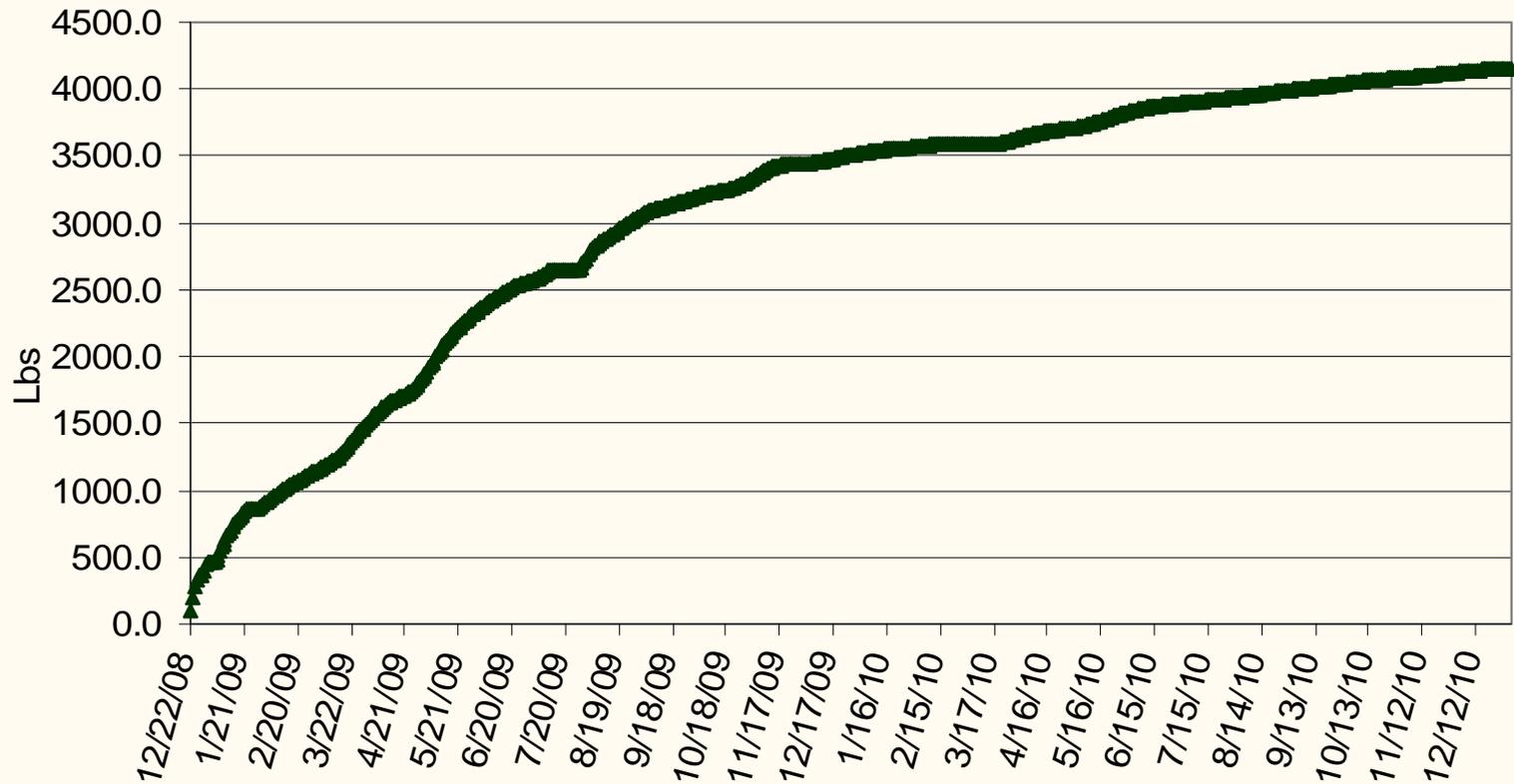
- The soil vapor system continues to operate normally at the site.
- The air sparge component of the system is currently not operating as water levels are monitored in the monitor wells at and near the site to determine the capture zone of the extraction well.
- During the fourth quarter of 2010, the system removed an average of 1.3 pounds of tetrachloroethene (PCE) per day. Including the fourth quarter of 2010, the system has removed 4,152 pounds of PCE or approximately 308 gallons since operations began in December 2008.
- During the week of November 15, 2010 ADEQ started the installation of an addition soil vapor extraction well, SVE-105. SVE-105 was installed near the west side of the property where sampling conducted in 2006 detected PCE at depths of 5 and 10 feet below land surface.
- The SVE system was shut down December 22, 2010 for a carbon change-out.

- SVE operation resumed on January 14, 2011. The initial sample from SVE-105 was collected on January 25, 2011 and the initial PCE concentration was 2,030 milligrams per cubic meter mg/m^3 . The values compares favorably to the initial test values from SVE wells near the drywell that ranged from 2,600 to 8,700 mg/m^3 .

**Cooper and Commerce AS/SVE System
Daily PCE/TCE Recovery (lbs/day)**

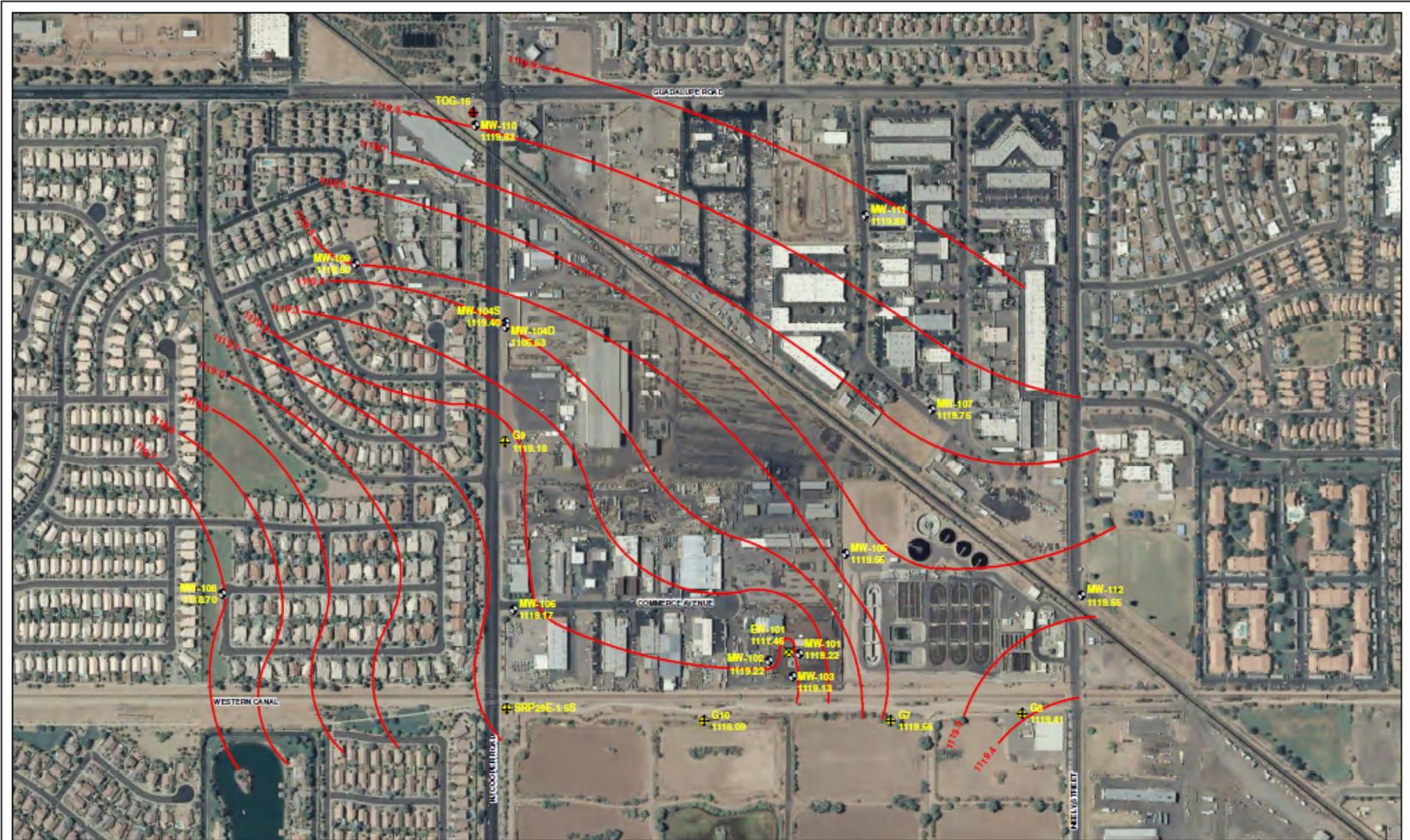


**Cooper and Commerce AS/SVE System
Cumulative PCE/TCE Recovery (lbs)**



- The pump and treatment system at the site became operational August 2, 2010 and commenced continuous operations on August 25, 2010.
- The system operates at a rate of approximately 100 gallons per minute and pumped and treated 12,750,000 gallons during the fourth quarter of 2010. Influent concentrations from the extraction well averaged 97 parts per billion over the quarter. Based on these numbers, the pump and treat system recovered approximately 10.3 pounds of PCE during the fourth quarter of 2010. The system was shut down on January 5, 2011 for a carbon change-out. Pump and treat system operations resumed February 11, 2011.

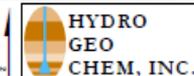
- During November 2010, ADEQ conducted a round of groundwater sampling at the site.
- The groundwater flow direction turned more to the southwest compared to a more westerly flow direction in recent quarters.
- PCE concentration in the on-site wells remained stable or generally increased, concentrations in wells G-10 and MW-108 continue to rise, and the concentrations in most other wells remain stable.



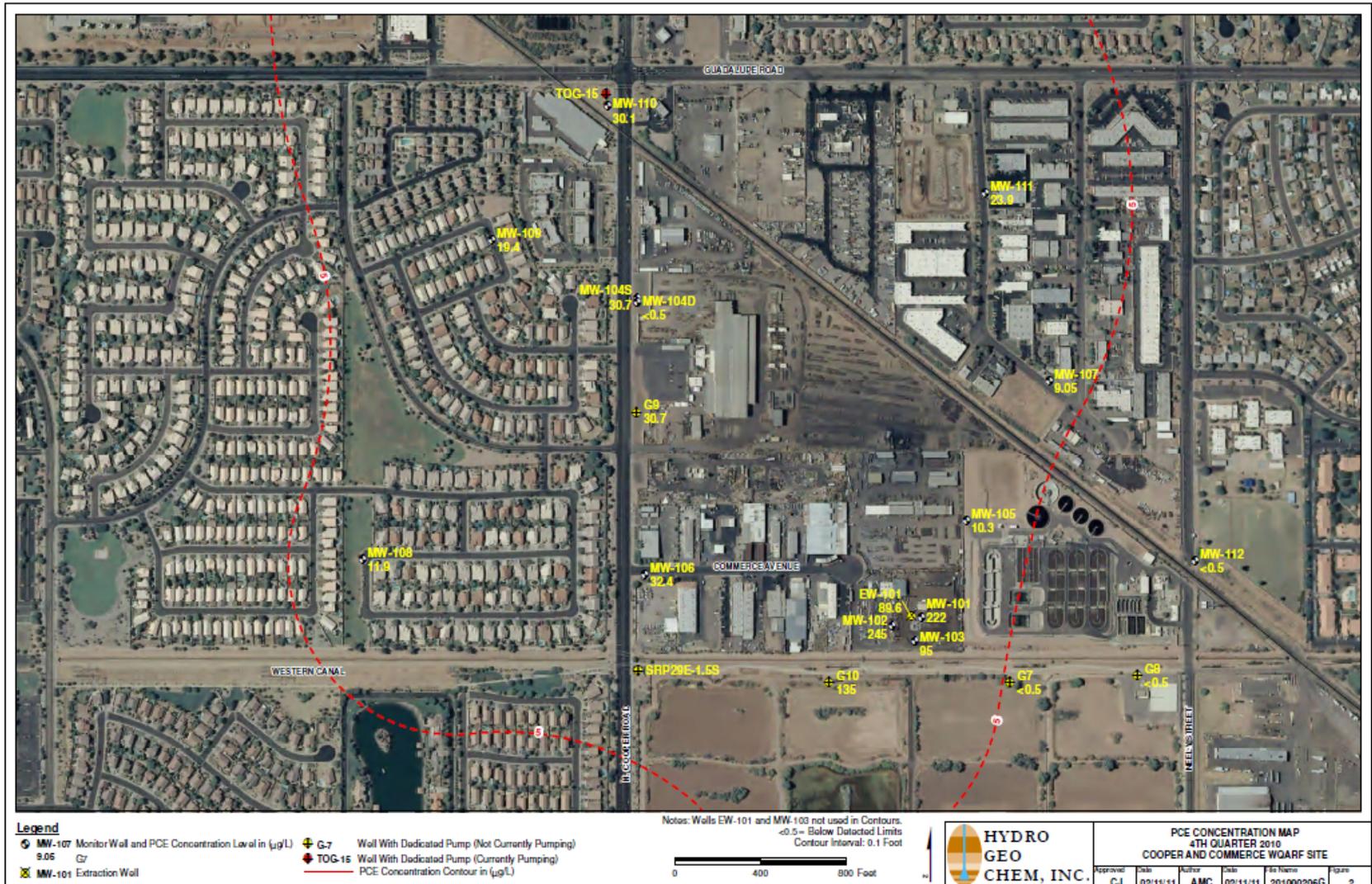
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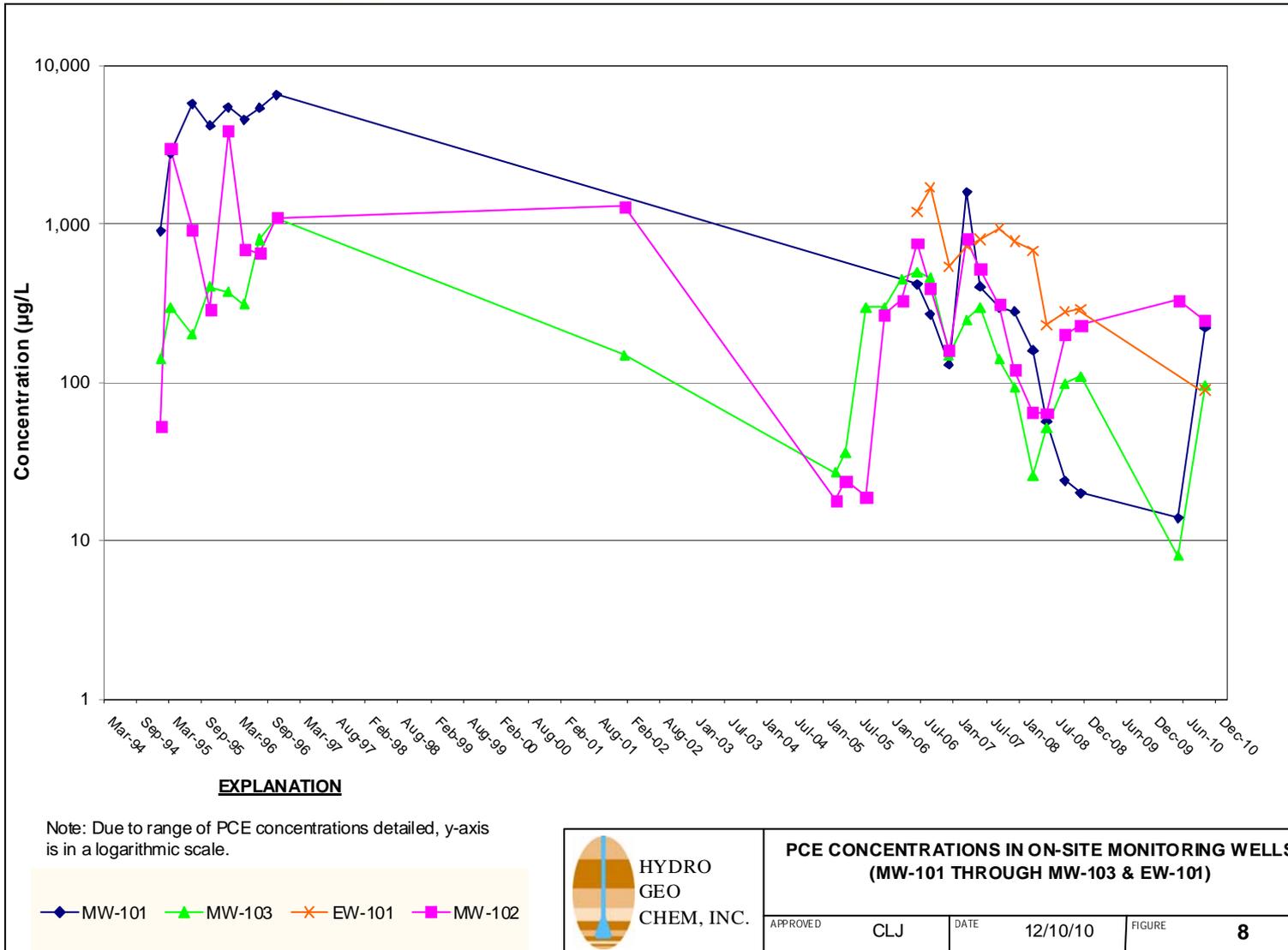
- MW-102 Monitor Well and Groundwater Elevation (ft amsl)
1119.22 G7
- TOG-15 Well With Dedicated Pump (Not Currently Pumping)
- TOG-15 Well With Dedicated Pump (Currently Pumping)
- EW-101 Extraction Well
- G7 Well With Dedicated Pump (Not Currently Pumping)
- G7 Well With Dedicated Pump (Currently Pumping)
- Groundwater Contour (ft amsl)

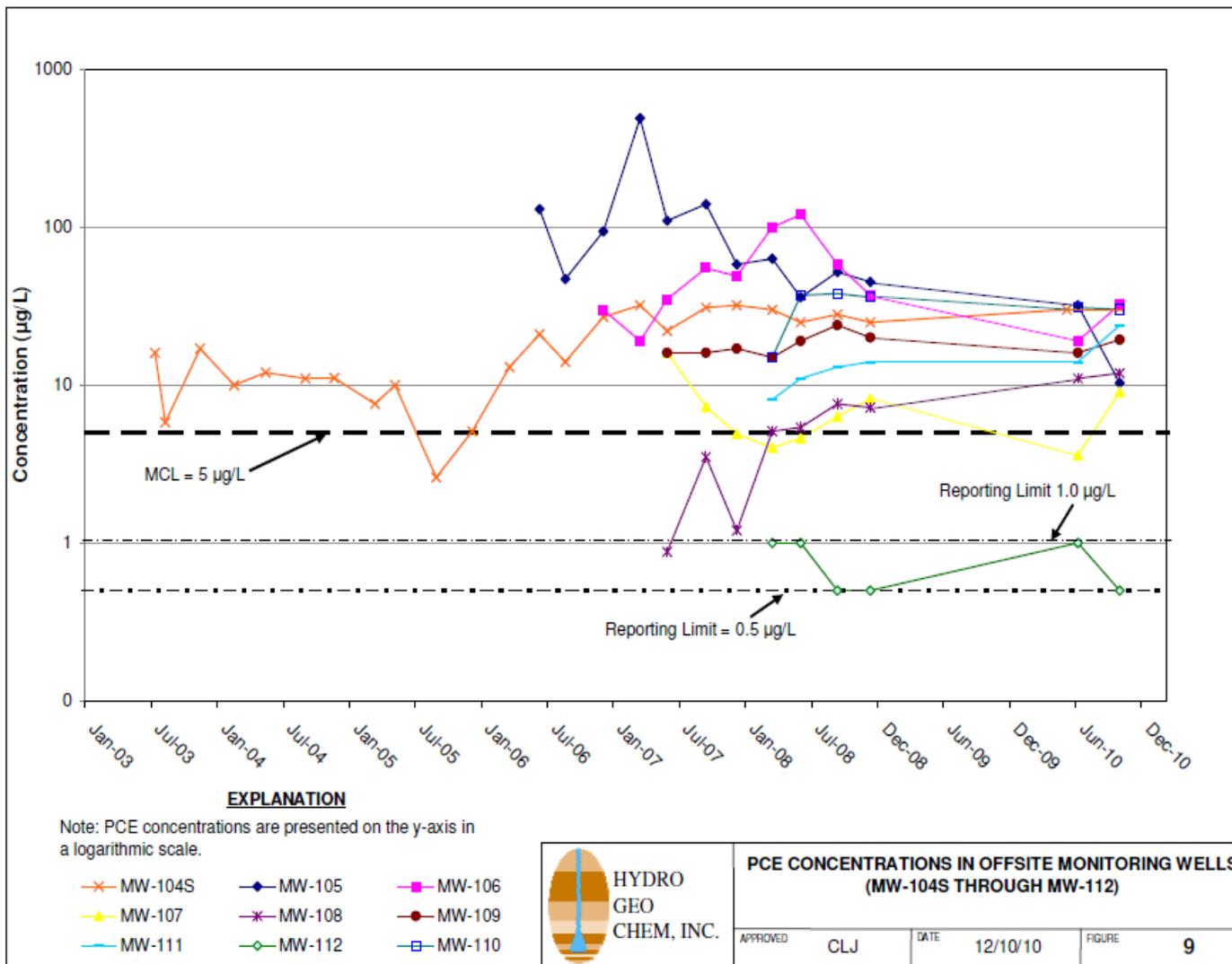
Notes: Walls EW-101, MW-104D, and G10 not used in Contours. Contour Interval: 0.1 Foot

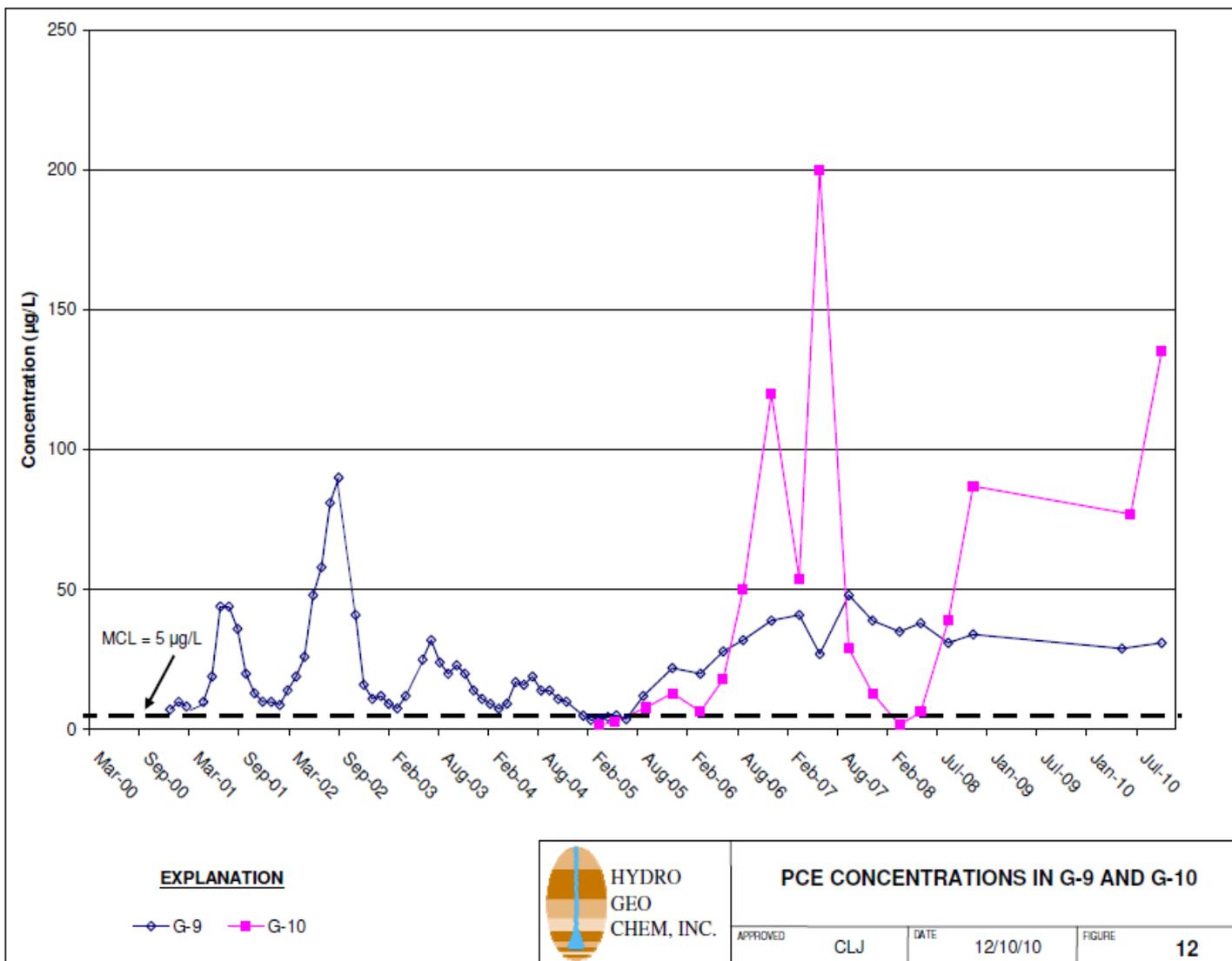


GROUNDWATER ELEVATIONS OCTOBER 2010 COOPER AND COMMERCE WHARF SITE					
Approval	Date	Author	Scale	File Name	Page
CJ	02/03/11	AMC	02/03/11	291000207G	3









- The site received a fiscal year 2011 budget of \$305,000. As of December 31 2010, approximately 43 percent of the budget has been spent.
- The site may receive additional funding in the next few weeks for the installation of two additional monitor wells.

Questions?

Contact Information

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