

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

**Monday, February 25, 2013 at 6 p.m.
McQueen Park Activity Center
510 N. Horne St., Gilbert, Arizona**

FINAL MINUTES

RPU #13-285

CAB members present: Pacer Udall, Carrie Lewis, Mike Evans, and Bruce Friedrich

CAB Members absent: Nyanganya (Joe) Maniga

ADEQ Staff in attendance: Scott Goodwin, Project Manager; Wendy Flood, Community Involvement Coordinator

Members of the public present: Patricia Jordan, Town of Gilbert

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

1. Call to Order/ Introductions

Mrs. Wendy Flood greeted all attendees and introductions were conducted. The meeting was then turned over to the Co-chair, Mr. Pacer Udall.

2. Acceptance and/or changes to November 1, 2012 minutes -

Mr. Mike Evans moved to accept the minutes and Ms. Carrie Lewis seconded. The Board unanimously accepted the minutes.

3. Update on CAB presentation to the Environmental and Energy Conservation Board - CAB Co-Chair

Mr. Evans and Ms. Lewis stated the group appreciated the presentation. Mr. Evans stated he let them know information about the CAB purpose, and also state half of the committee was not aware of the site. The information was well received, they asked about biological treatment and they were invited to the next CAB meeting. Mrs. Flood asked for their contact information in order to get them in the mailing list. The CAB also asked that a personal letter be sent to the members.

4. Discussion of current status and activities at the Cooper and Commerce WQARF site –
Mr. Scott Goodwin covered the following items: installation of monitoring wells; soil vapor contaminant recovery results; groundwater pump and treat system contaminant recovery results and sampling results from the 4th quarter 2012 groundwater monitoring.

See Presentation Below

Mr. Evans inquired about a time frame for the current recovery rate. Mr. Goodwin stated it would depend on if it is still economical to run the system or not. Low recovery rates from SVE-106 may require ADEQ to consider excavating out the contaminants. Mr. Goodwin discussed the approximate area that would be removed and stated the pump and treat system would remain in operation.

The upcoming activities include more well installations and Mr. Goodwin went over the different locations. Mr. Goodwin did mention that biological remediation is being researched at a few other sites and further discussed the process.

5. Call to the Public -

A local resident asked for recent information on the monitoring well that is located by her home. She also inquired about the direction of the cleanup, better or worse and how much has been cleaned up. Mr. Goodwin said he foresees this site getting better not worse and about 4,600 lbs of contamination has been removed from the source area.

6. Future Meeting and Agenda Discussion

The next CAB meeting will be held June 3rd and it will be just a business meeting to cover the letter to the Gilbert environmental committee, the WQARF process, site update (if any) and budget issues (if any).

7. Adjournment

Meeting adjournment



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

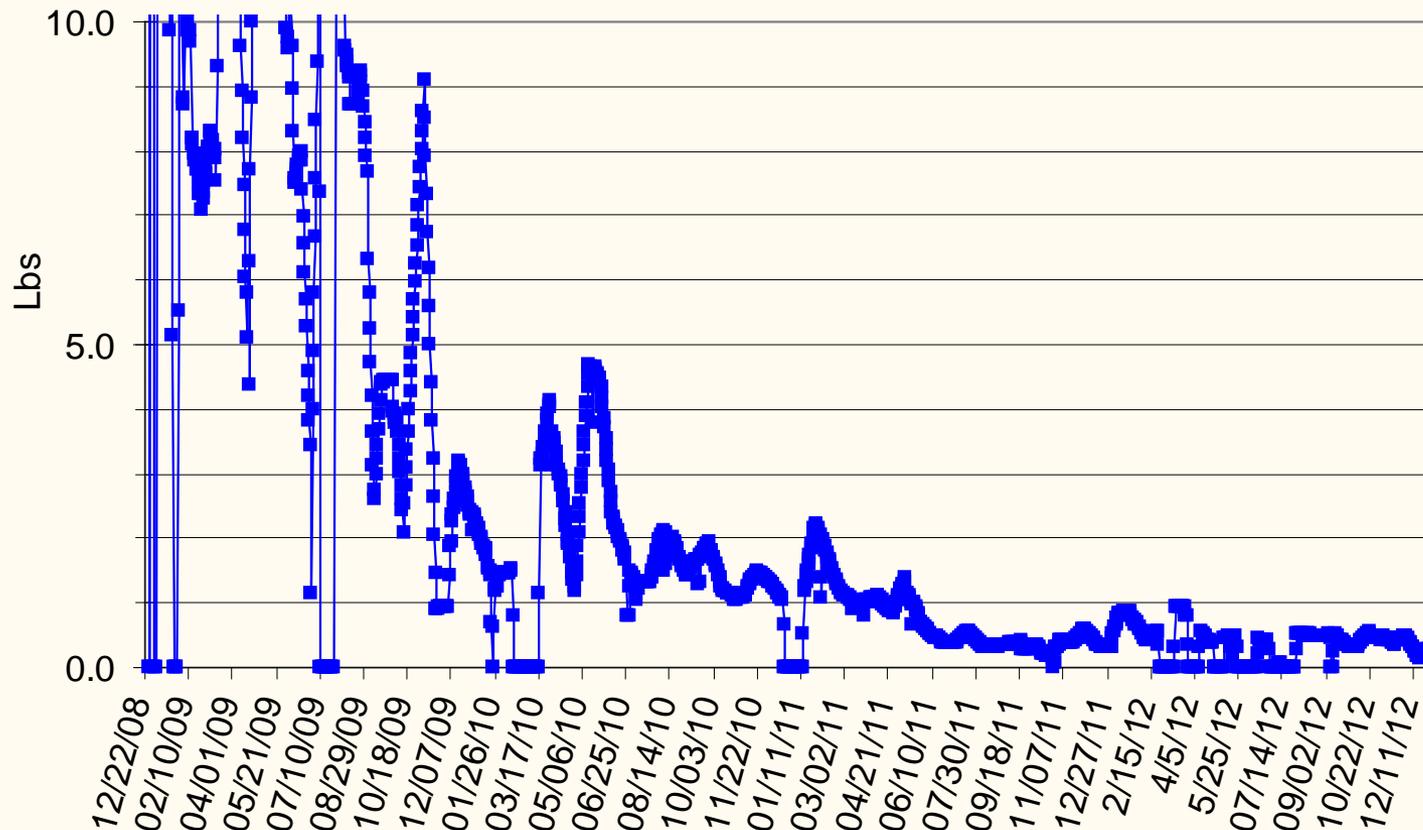
CAB Meeting

February 25, 2013

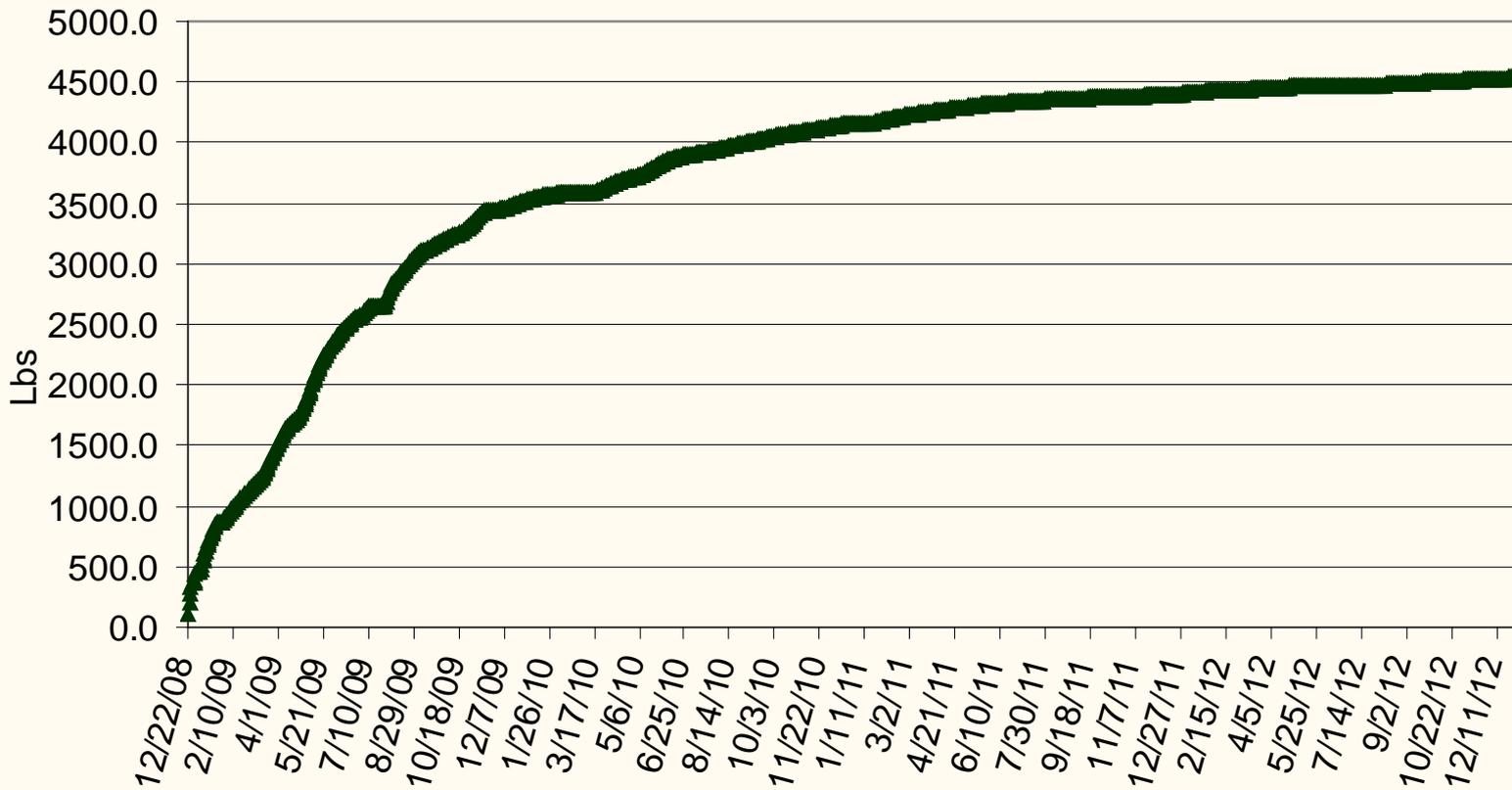
Soil vapor extraction/ air sparge system

- The soil vapor extraction, air sparge (SVE/AS) system continues to operate normally at the site.
- During the third and fourth quarters of 2012, the system was running continuously to evaluate the recovery from SVE-106.
- The SVE/AS system removed an average of 0.4 pounds of tetrachloroethene (PCE) per day. This is approximately the same amount recovered per day compared to cycled operations in the second quarter of 2012.
- To date, the system has removed approximately 4,533 pounds of PCE or approximately 336 gallons since operations began in December 2008.

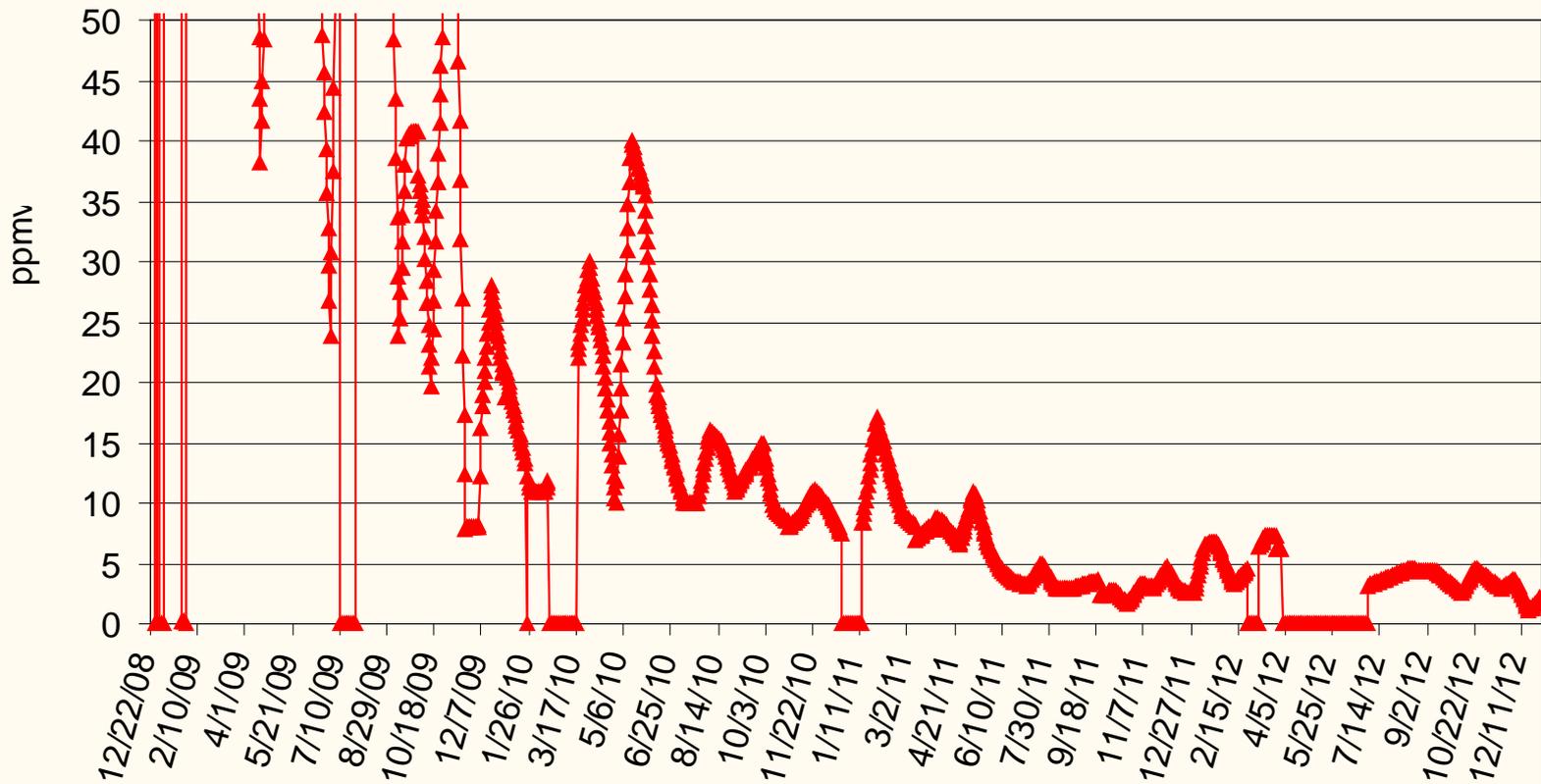
**Cooper and Commerce AS/SVE System
 Daily PCE/TCE Recovery (lbs/day)**



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



**Cooper and Commerce AS/SVE System
 Daily PCE/TCE Concentration (ppmv)**



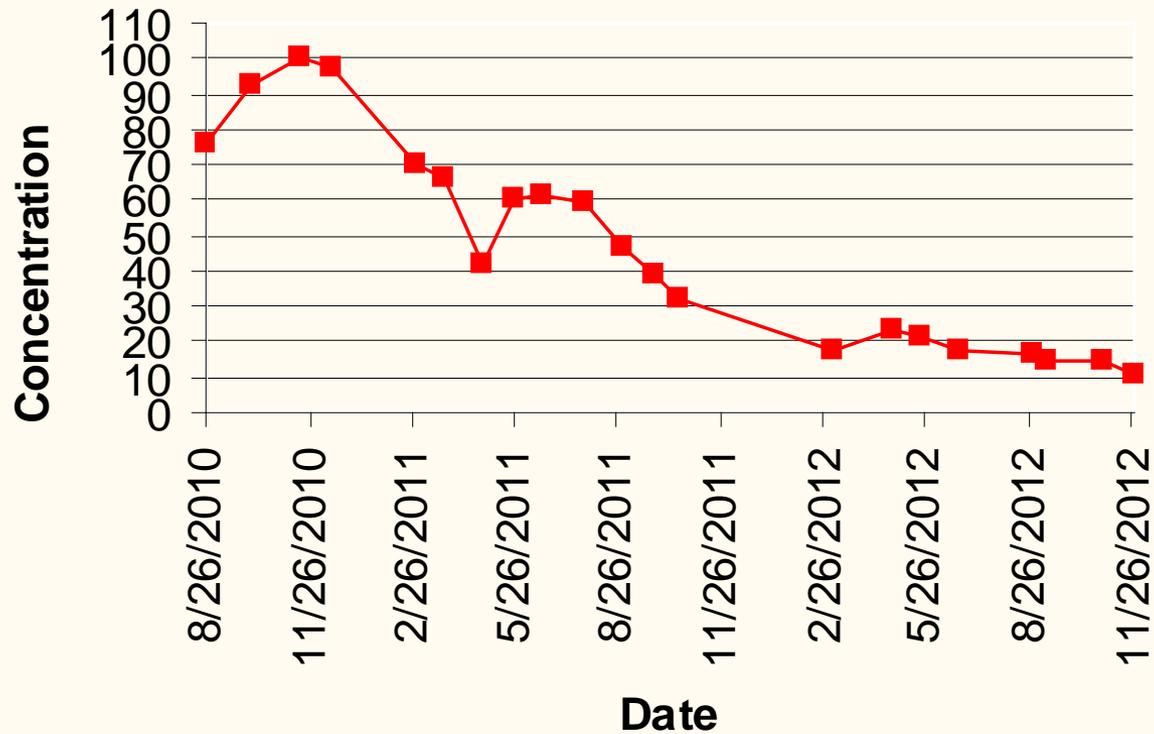
During the fourth quarter of 2012:

- The groundwater pump and treat (P&T) system operated at 129 gallons per minute (gpm).
- 10,058,625 gallons treated during the quarter.
- Down on December 11, 2012 for a carbon change out.
- PCE influent concentrations from the extraction well averaged 13 parts per billion (ppb) over the quarter. The Aquifer Water Quality Standard (AWQS) for PCE is 5 ppb.

During the fourth quarter of 2012:

- The P&T system recovered approximately 1.2 pounds of PCE in the fourth quarter of 2012.
- Since operations began in August 2010, the P&T system has recovered approximately 37.1 pounds of PCE.

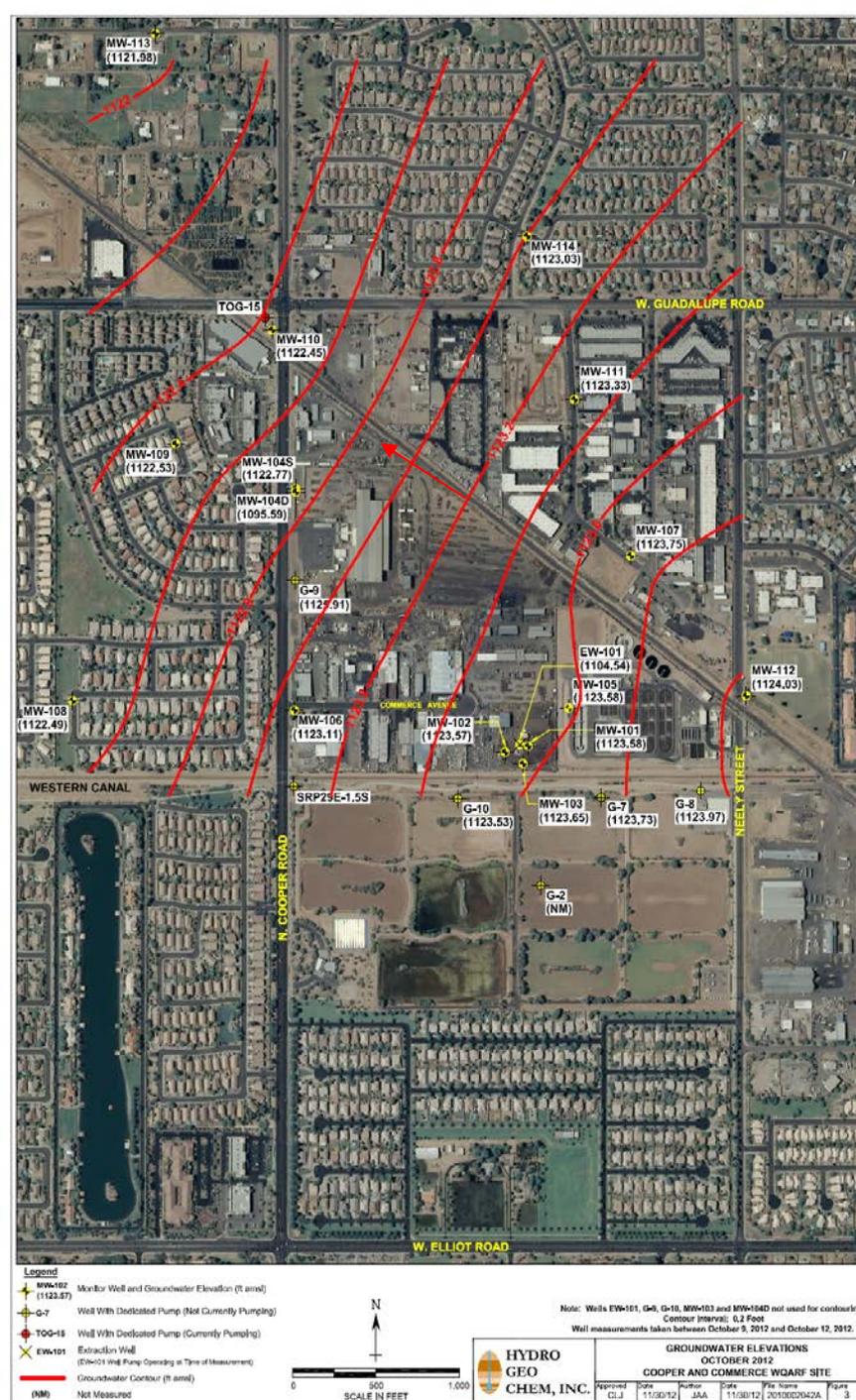
Influent PCE Concentration in ppb



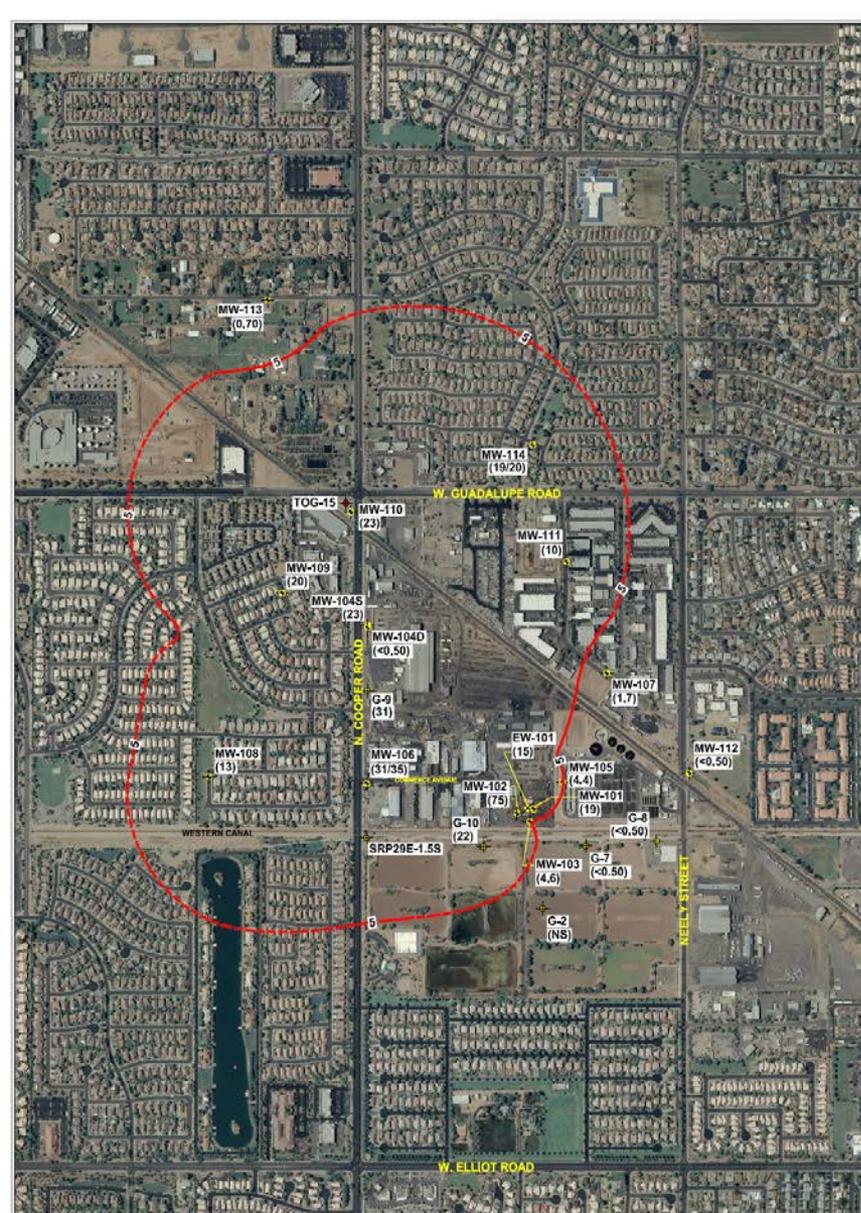
- During October 2012, ADEQ conducted a round of groundwater sampling from the entire monitoring well network.
- PCE concentrations in the on-site wells remained similar to second quarter 2012 concentrations. PCE concentrations in monitor wells MW-101 remained near 20 ppb, MW-103 declined further to near the AWQS. MW-102 remained near 140 ppb.
- The concentration of PCE in G-10 during the fourth quarter of 2012 was 22 ppb, continuing to decline. Up gradient well MW -105 and MW-107 are also beginning to show an appreciable decline. PCE concentrations in most other wells remained stable.

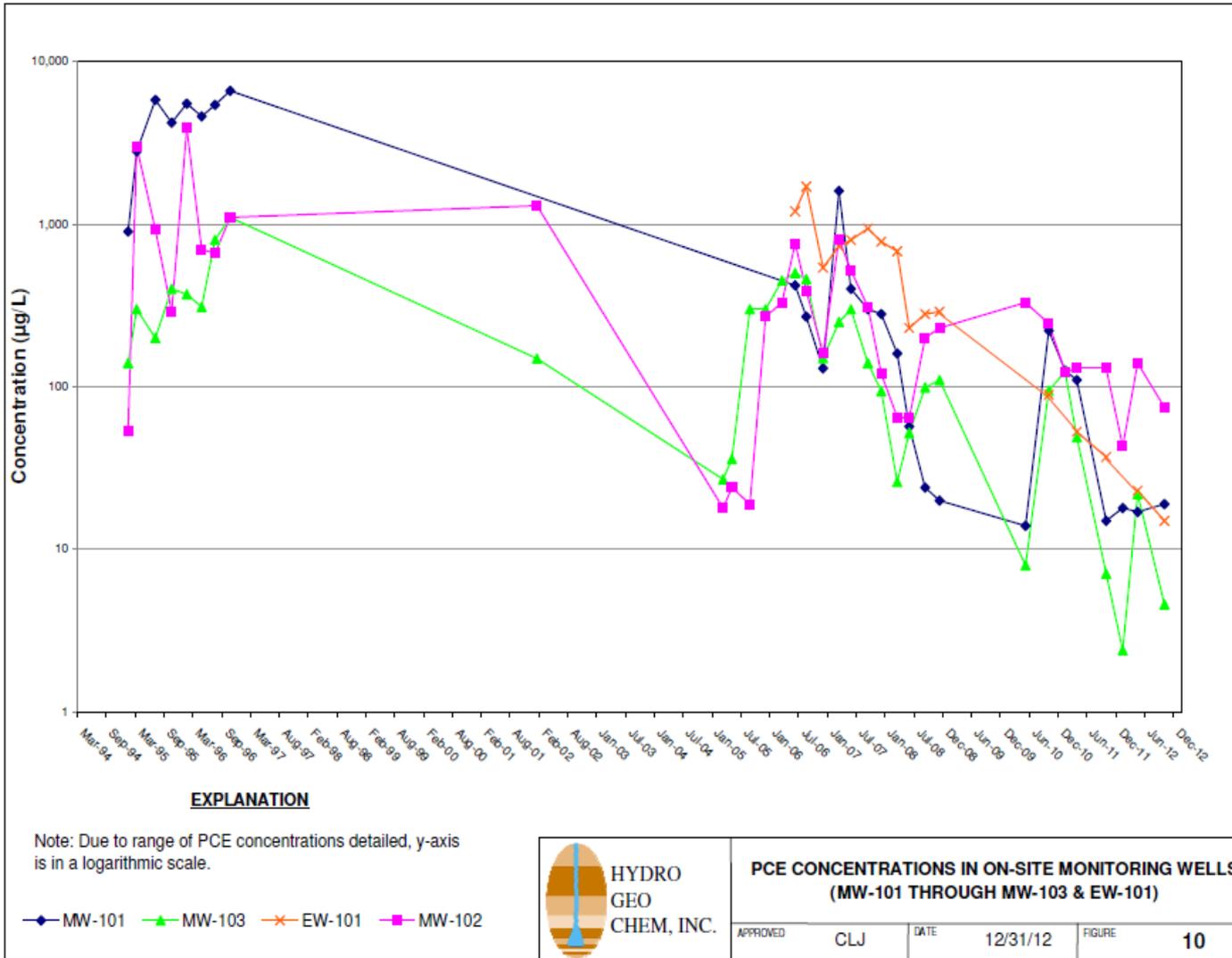
4th Quarter 2012 Groundwater Sampling

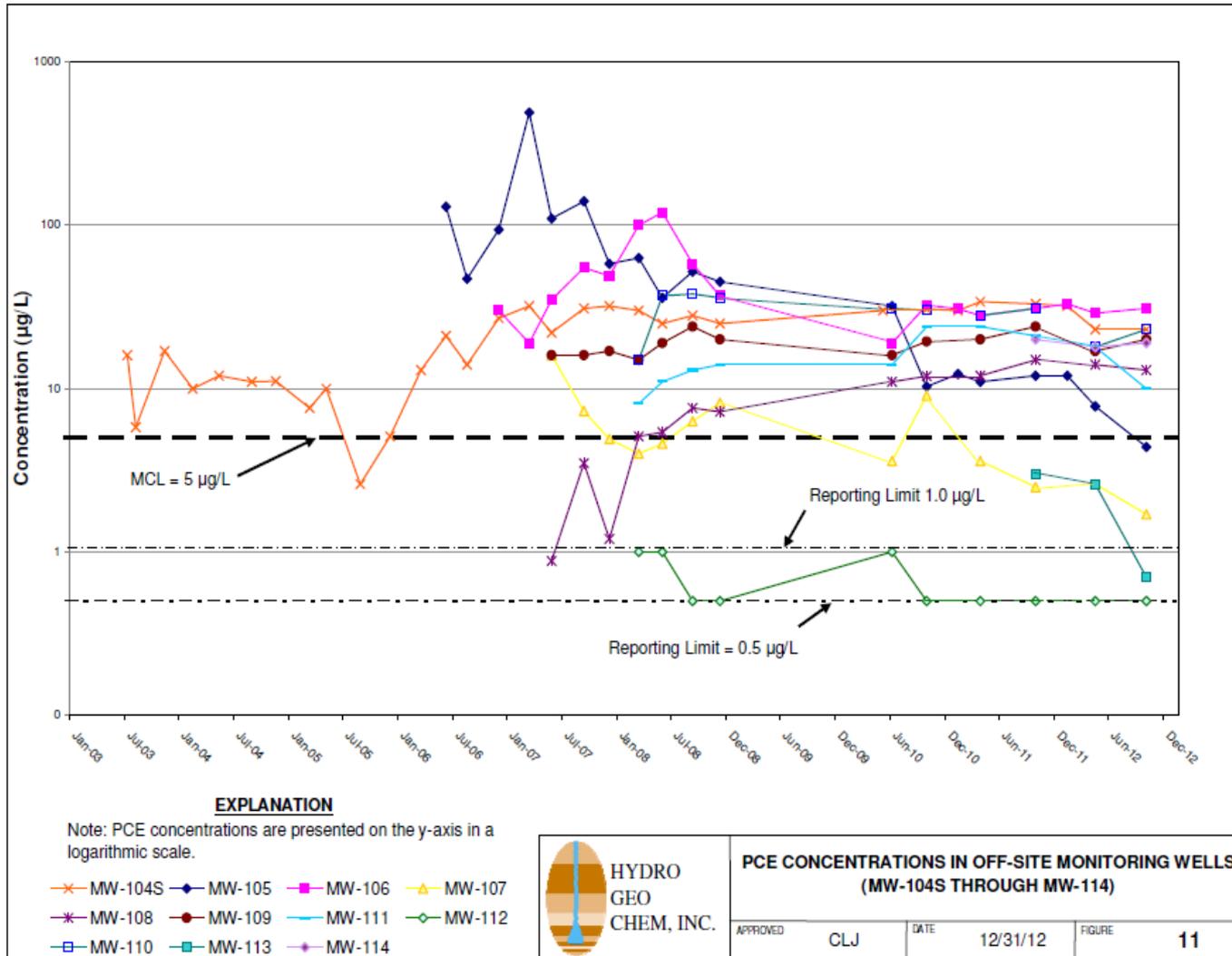
- Both 3rd and 4th quarters indicated flow returning to a northwesterly direction.
- Water levels have declined approximately 5 feet over the last year.

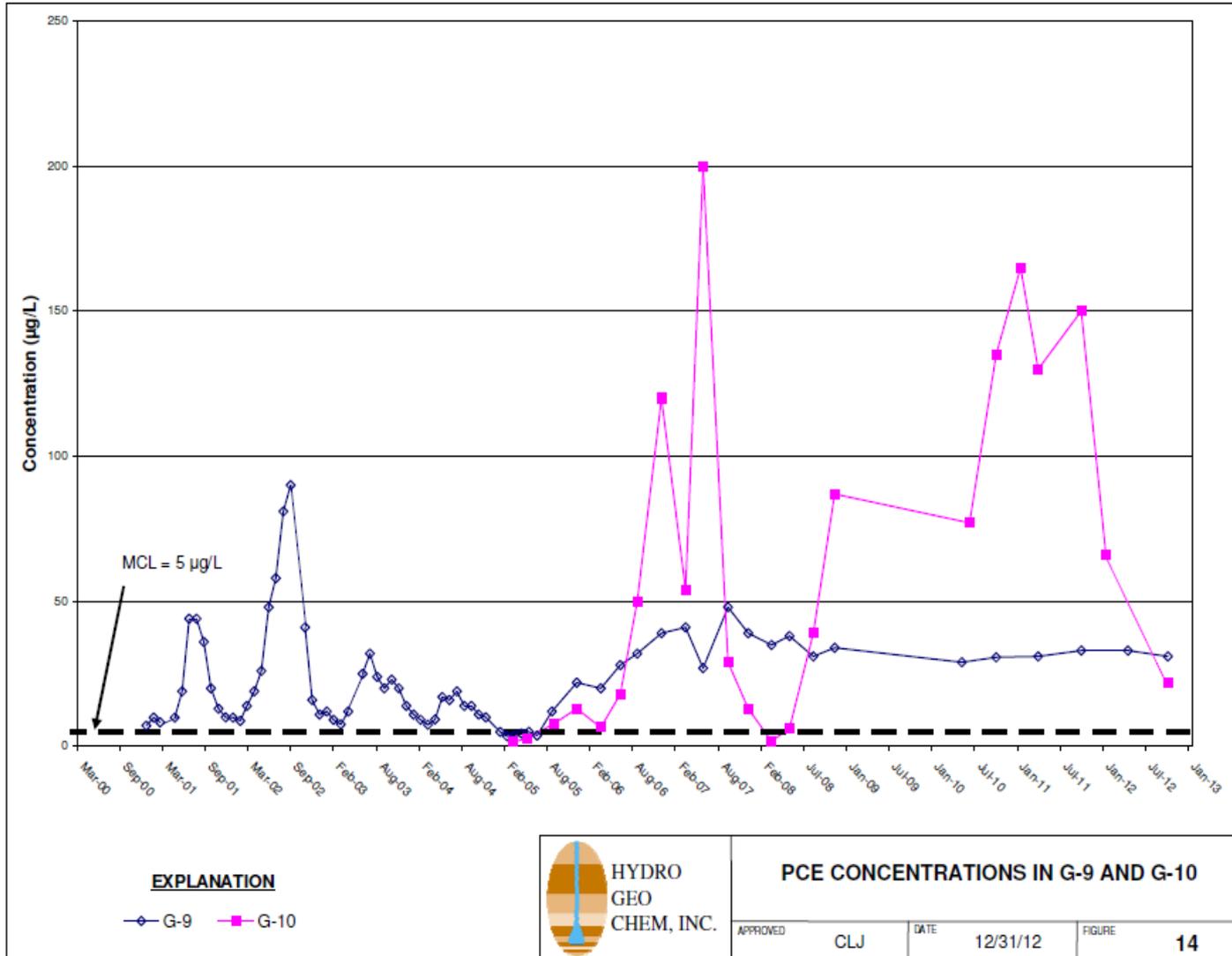


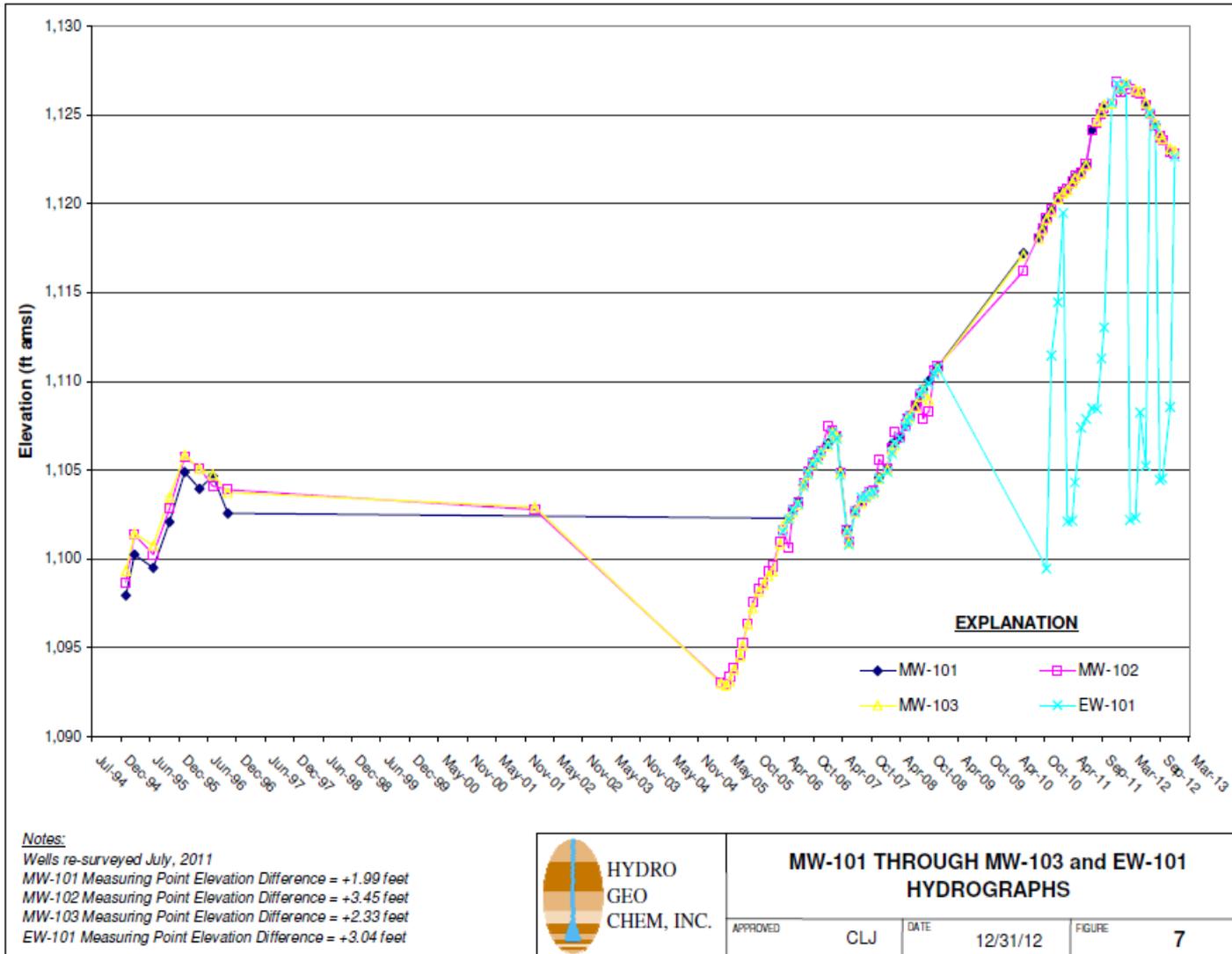
4th Quarter 2012 Groundwater Sampling

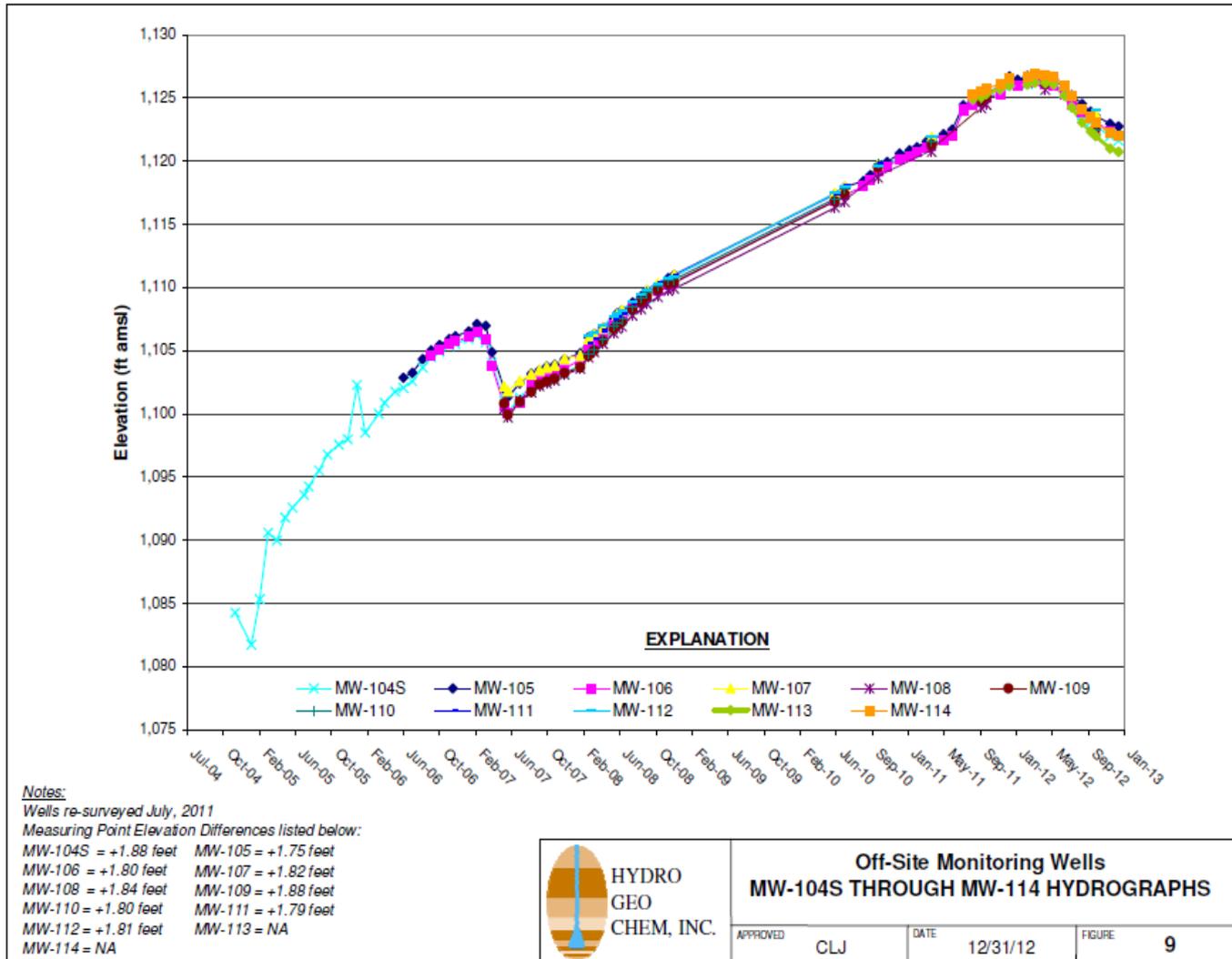


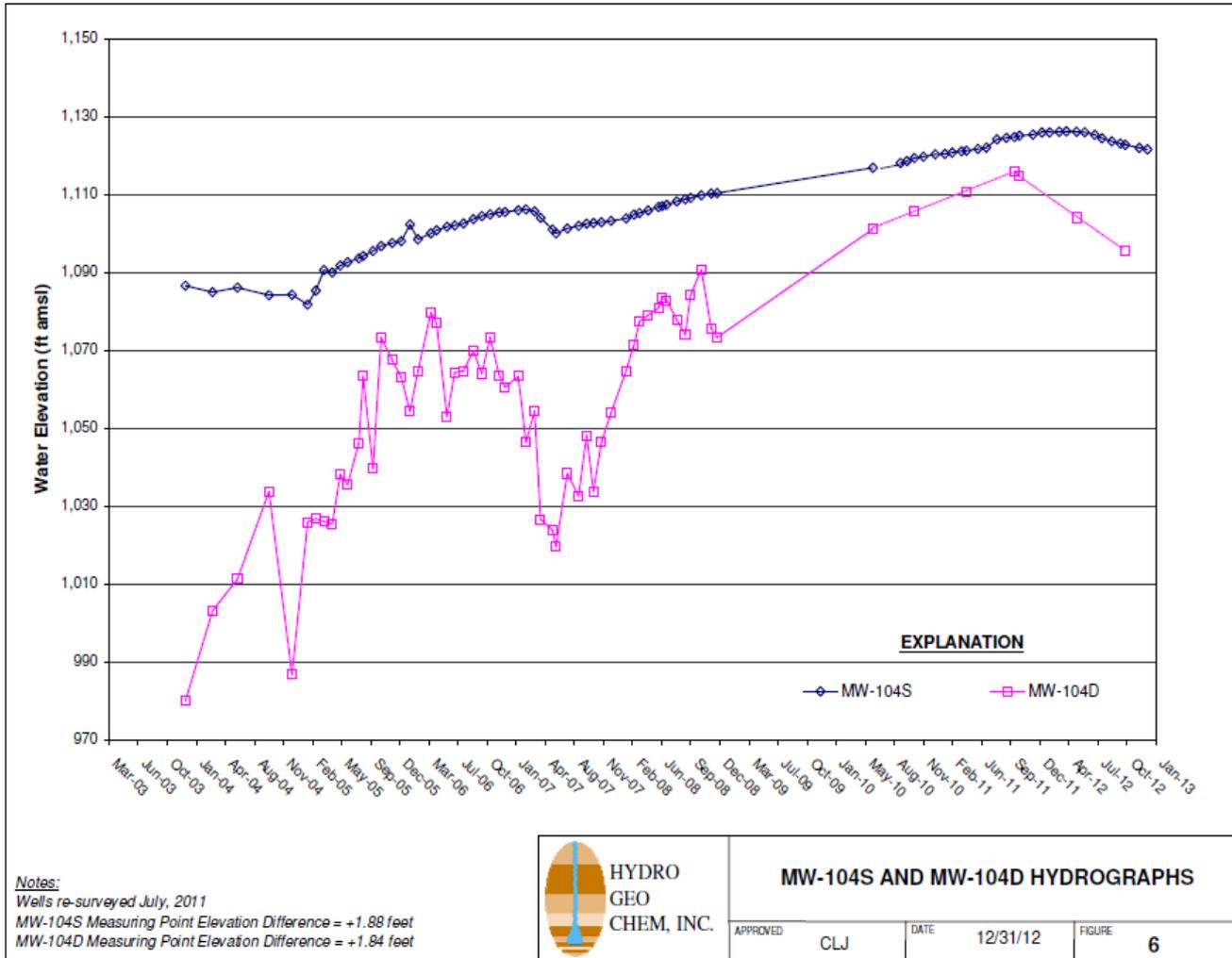












Questions?

Contact Information

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