

2015 GWMP Stakeholder Advisory Group Minutes

April 22, 2015
South Lake Tahoe, CA

Members Present

Ivo Bergsohn	Jenn Lukins	Brian Grey
Joey Keely	Robert Lauritzen	Scott Carroll
Douglas Dame	Tom Gavigan	Paul Nielsen (telephone)
Jason Burke		

Members Excused

John Thiel	Harold Singer	Steve Morales
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Members Absent

Greg Daum	Bob Loding	Greg Trischler
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Others Present

Lisa Dernbach	Lynn Nolan	John Hitchcock
Eric Ingbar	Brad Herrema	

TVS Basin (6-5.01) – Related Topics

J. Keely (JK) raised the topics of the Meyers Landfill site and the extent of drinking source water protections areas (DSWPAs) surrounding groundwater sources (wells). The groundwater investigation at the Meyers Landfill site is not fully investigated. JK inquired whether the SAG would have authority under the Sustainable Groundwater Management Act (SGMA) to require additional assessment/remediation work. If so, JK recommended that the SAG closely coordinates any additional requested actions with the County, LRWQCB and Forest Service. JK also recommended that the SAG consider as a topic for future discussion; how far groundwater management activities should extend into the overlying watershed, up-gradient of a groundwater source.

J. Lukins (JL) raised the topic of the continuing 2012-2014 Drought and water conservation measures to be implemented in the TVS Basin under the emergency Drought Conservation Regulations in 2015. JL stressed that implementation of water conservation measures needs to be closely coordinated between all water purveyors within the Basin (STPUD, LBWC, TKWC and LWC).

South Y PCE Site

L. Dernbach (LD), LRWQCB, provided an overview of the Tetrachloroethylene (PCE) groundwater contamination in the South Y Area including recent (August – Sep 2014) well sampling results, suspected sources and plans for further investigation in 2015. The well sampling results showed that four LBWC wells; one TKWC well; and two private wells have been impaired by PCE contamination. Inferred capture zone analysis, groundwater flow patterns and distribution of sampling results suggests that there may be at least two contaminant source areas located: 1) east of 8th Street and 2) west of 8th Street. The suspected source(s) east of 8th street are likely to have resulted in impairment of the LBWC Wells #3 and #4; and TKWC Well #2; while the suspected source(s) west of 8th street are likely to have resulted in

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impairment of the LBWC Well #2 and #5. LRWQCB plans for 2015 include providing alternate water supply for impaired private well (903 Eloise); applying for emergency CAA funding (\$125,000) for further investigation of suspected PCE sources; and using findings of investigation to require further contaminant assessment by identified PRPs.

J. Lukins (JL) distributed copies of the Preliminary Engineering Report (PER) (Resource Concepts, February 2015) and led a discussion on wellhead treatment alternatives for LBWC Wells #2 and #5. LBWC desires to find a long-term solution to the problem that will provide both suitable drinking water and removes PCE contamination from the aquifer. Treatment alternative should be able to treat flows up to 1,000 gpm at PCE concentrations up to 300 ppb (MCL = 5 ppb). Five treatment alternatives are considered in the PERS: Low Profile Air Stripping (\$1.184 M); Granular Activated Carbon (\$1.542 M); Replacement Well (\$ 808 k); Water purchase agreement with District (\$56 k per annum); and Photo-Cat water purification (\$1.612 M). Of the five alternatives considered, LBWC believes that the Photo-Cat system may be the preferred alternative to satisfy their objectives. This is contingent on LBWC's ability to secure available funding for demonstrating new technologies for this project. As Photo-Cat is currently used in industrial applications, pilot testing will be needed to show the Division of Drinking Water (DDW) that Photo-Cat is also a viable alternative for the removal of PCE from groundwater for drinking water applications. JL encouraged comments from the SAG on the PER.

L. Nolan (LN), STPUD, provided a presentation on potential sources of funding that may be available for SAG projects. These include Prop 1 Groundwater Sustainability funding (\$900 M); SB 445 Site Cleanup Subaccount (19.5 M); and STPUD/EDCWA Cost Share Program (\$ 145 k). The Prop 1 funds will not likely become available until 2017. The SB 445 funds may become available as early as 2015/2016 time frame. LN recommends that the SAG move quickly to develop a project list for this funding, if worth pursuing. The EDCWA Cost Share funding will become available in June 2015. The District's 2015/2016 request includes pending applications for the South Y PCE Site (\$80 k); establishing a Groundwater Sustainability Agency (\$80 k); and works towards updating the District's existing groundwater model (\$50 k).

Questions/ideas for follow-up items;

- How can the EDCWA Cost Share funding best be used for the South Y PCE site;
- Should the LBWC #4 Well (inactive) be used as a recovery well for remediation of the South Y PCE site; and
- Should further investigations consider whether there are other potential sources south and up-gradient of the South Y Area.

2015 GWMP Stakeholder Advisory Group Minutes

April 22, 2015

South Lake Tahoe, CA

Drinking Source Water Protection Area (DSWPA) Improvements

E. Ingbar (EI), Gnomon Inc., provided a brief presentation on the progress of on-going work to improve the District's DSWPA geospatial datasets, including a description of project goals, integration of water quality data and need for information interchange plan to support future data sharing.

Questions/ideas for follow-up items;

- Can completed Storm water projects from the TRPA EIP System be added as a layer to the DSWPA?

Sustainable Groundwater Management Act (SGMA)

I. Bergsohn and B. Herrema provided a presentation on the SGMA and the District's plan to opt as the Groundwater Sustainability Agency (GSA) for the TVS Basin (6-5.01).

2015 Annual Report

I. Bergsohn briefly introduced the draft Annual Report Requirements handout to the SAG. Due to limited time, it was requested that the SAG review the required components and provide input on how best the information required to complete the Annual Report should be obtained.

Questions/ideas for follow-up items;

- SAG to consider the information needed to complete the Annual Report.
- What should the SAG do to improve public outreach efforts describing groundwater-related issues to the South Shore area?

SIGN-IN SHEET

South Tahoe Public Utility District

TAHOE VALLEY SOUTH BASIN (6-5.01) GROUNDWATER MANAGEMENT PLAN

STAKEHOLDERS ADVISORY GROUP WORKSHOP No.1

April 22, 2015
(9:00 AM - 12:00 PM)

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