

Draft Policy for Toxicity Assessment and Control **Peer Review Documents**

State Water Board staff is supplying the following documents to assist reviewers with their evaluation of the draft Policy for Toxicity Assessment and Control topics addressed in “Attachment 2.” Please note that the Test of Significant Toxicity method, as described in the “Implementation” and “Technical” documents, reflects revisions that were suggested by the anonymous peer reviewers that participated in the method’s assessment (see the “Evaluation of the Test of Significant Toxicity as an Alternative to Current Recommended Statistical Analysis Approaches for Acute and Chronic Whole Effluent Toxicity Revised Report” and “Responses to Peer Review Comments: Evaluation of the Test of Significant Toxicity as an Alternative to Current Recommended Statistical Approaches for Acute and Chronic Whole Effluent Toxicity”).

Documents subject to this peer review

- *Draft Policy for Toxicity Assessment and Control*
- *Draft Staff Report – Policy for Toxicity Assessment and Control*

Supporting Documents provided for additional information

TST Informational Documents

- State Water Resources Control Board. 2011. *Effluent, Stormwater, and Ambient Toxicity Test Drive Analysis of the Test of Significant Toxicity (TST)*. Sacramento, CA: State Water Resources Control Board.
- U.S. Environmental Protection Agency. 2012. *California Toxicity Testing Methods Analyzed using the Test of Significant Toxicity (TST) Approach*. Washington, DC.
- U.S. Environmental Protection Agency. 2010. *National Pollutant Discharge Elimination System Test of Significant Toxicity Implementation Document*. EPA 833-R-10-003. Washington, DC: Office of Wastewater Management.
- U.S. Environmental Protection Agency. 2010. *National Pollutant Discharge Elimination System Test of Significant Toxicity Technical Document*. EPA 833-R-10-004. Washington, DC: Office of Wastewater Management.

TST Method Peer Review Documents

- Tetra Tech, Inc. 2008. *Evaluation of the Test of Significant Toxicity as an Alternative to Current Recommended Statistical Analysis Approaches for Acute and Chronic Whole Effluent Toxicity (Revised Report)*. Owings Mills, MD: U.S. Environmental Protection Agency. Work Assignment: 1-29. Contract No.: EP-C-05-046.
- Tetra Tech, Inc. 2009. *Responses to Peer Review Comments: Evaluation of the Test of Significant Toxicity as an Alternative to Current Recommended Statistical Approaches for Acute and Chronic Whole Effluent Toxicity*. Owings Mills, MD: U.S. Environmental Protection Agency. Work Assignment: 1-29. Contract No.: EP-C-05-046.

Attachment 4

TST Journal Articles

- Denton DL, Diamond J, Zheng L. 2011. Test of significant toxicity: A statistical application for assessing whether an effluent or site water is truly toxic. *Environmental Toxicology and Chemistry*. 30(5): 1117-1126.
- Denton DL, Miller JM, Stuber RA. 2007. EPA Regions 9 and 10 Toxicity Training Tool. San Francisco, CA: U.S. Environmental Protection Agency.
- Diamond J, Denton DL, Anderson B, Phillips B. 2011. It is time for changes in the analysis of whole effluent toxicity data. *Integrated Environmental Assessment and Management*. doi: 10.1002/ieam.278.
- Erickson WP, McDonald LL. 1995. Tests for bioequivalence of control media and test media in studies of toxicity. *Environmental Toxicology and Chemistry*. 14(7): 1247-1256.