

**Drinking Water Quality Institute
Meeting Minutes
July 29, 2005
At the Environmental Infrastructure Trust
Lawrenceville, NJ**

Members present: Mark Robson, Leslie McGeorge, Perry Cohn, Bruce Chorba, Paul LaPierre, Carol Storms, Eileen Murphy, Dave Pringle, Barker Hamill, Jean Matteo, Ray DiFrancesco

Members absent: Eugene Golub, Steve Jenniss

Non-members in attendance: From NJDEP - Linda Walsh, Kristin Hansen, Suzanne Shannon, Gloria Post, Karen Fell, Lee Lippincott, Syed Rizvi, Brad Koffler, Jon Meyers, Linda Bonnette, Drew Sites. From USGS: Zoltan Szabo. From Shield Alloy - Dave Smith. From Garden State Labs - Harvey Klein

1. Call to Order and Administrative Business

Chair M. Robson opened the meeting at 1:50 p.m. with introductions. B. Hamill stated that recommendations to fill DWQI vacancies have not been acted upon yet.

The next meeting was scheduled for Friday, October 7, 2005, in the afternoon.

2. Subcommittee Reports

a. Health Effects Subcommittee

Perry Cohn gave a presentation dated July 29, 2005, and entitled "Toward a Perchlorate Reg," and directed DWQI members' attention to the most recent draft prepared by P. Cohn and G. Post entitled "Perchlorate Health -Based Maximum Contaminant Level Support Document." Some of this information was presented at the May 13, 2005, DWQI meeting. The presentation included information on use and occurrence of perchlorate in the environment, thyroid issues, perchlorate toxicity, studies of iodide uptake inhibition, the National Academy of Sciences work, sensitive populations, perchlorate in breast milk, and the rationale of the health based Maximum Contaminant level of 5 ug/L for perchlorate.

D. Pringle handed out a July 29, 2005, document that he had prepared entitled "Draft: Concerns re: 5 v. 1 ppb Perchlorate mclg." He stated that one of his main concerns centers around the size and make up of the Greer study, and he stated that the Massachusetts DEP still supports a number closer to 1 ppb than 5 ppb. He included an article dated Jun 3, 2005, by David Danelski of The Press-Enterprise that also

questioned several aspects of the Greer study. D. Pringle stated that he believes the "Precautionary Principle" should be used to regulate perchlorate and that the MCL should be significantly lower than 5 ppb.

b. Testing Subcommittee

J. Matteo referenced the July 27, 2005 draft report entitled "Drinking Water Test Procedures for Perchlorate Analysis -Drinking Water Quality Institute Testing Subcommittee - Method Assessment and Recommendations." She stated that 2.7 ppb can easily be met as a minimum reporting level (MRL) for perchlorate. She noted that Massachusetts requires labs to bring the MRL down to 1 ppb.

c. Treatment Subcommittee

P. LaPierre stated that current technology is able to treat to less than 4 ppb for perchlorate, and noted that the detection level of analysis when most studies were done was 4 ppb. He stated that treatment capability below 4 ppb is less certain and would have to be researched further if necessary.

P. LaPierre stated that the demonstration project and literature search for the unregulated contaminants project are moving forward, and that the contract for the literature search was awarded to Black and Veatch.

3. Break out for Subcommittee Votes on Perchlorate

The members of the three subcommittees met to discuss the Subcommittee reports and to vote on a recommendation for their Subcommittee.

4. Regroup and Vote by DWQI on Perchlorate Recommendation

D. Pringle reported that the Health Effects Subcommittee, by a 3-1 vote, recommends a Health Based MCL of 5 ppb. D. Pringle stated that he would present a minority report, and he requested that the other Subcommittees also address the ability to achieve an MCL lower than 5 ppb.

J. Matteo stated that the Testing Subcommittee believes 5 ppb can be readily achieved from a testing standpoint, and that if the Massachusetts method is used, 1 ppb can be reliably achieved.

P. LaPierre stated that the Treatment Subcommittee believes 4 ppb can be readily achieved.

M. Robson called for a vote on perchlorate by the entire DWQI. A motion was made and seconded to prepare a consolidated report to the Commissioner of NJDEP recommending an MCL of 5 ppb. Ten DWQI members voted for the motion and one member was opposed.

5. Status of Review of A-280 Chemical by Health Effect Subcommittee

D. Pringle referred the attendees to the handout showing the table entitled "Draft - Contaminants for Which No Change in Health Based MCL is Anticipated - July 29, 2005." This table summarizes work done to date by the Health Effects Subcommittee. The Health Effects Subcommittee expects to take a formal vote on it at their next meeting. Based on this draft table, the other Subcommittees can see which compounds they will have to review.

6. Review and Approval of Minutes from May 13, 2005 Meeting

The minutes of the May 13, 2005, meeting were reviewed. It was noted that the minutes incorrectly state that Bruce Chorba was absent, when in fact he was present. A motion was made, seconded, and passed unanimously to approve the minutes with the change noted.

7. Meeting Adjournment

The meeting was adjourned at 3:45.

Minutes prepared by

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