



**Minutes of  
June 9, 2010 Meeting  
at Littleton/Englewood WWTP**

In Attendance:

Colleen Young	Greeley
Tim Woodard	Westminster
Bob Anastasov	City of Aurora
Dennis Stowe	Littleton/Englewood WWTP
Blair Corning	SACWSD
Amy Woodis	MWRD
Bret Linenfelser	Boulder
Tami Moon-Carlsen	Northglenn
Martha Hahn	PCWA
Ray Reling	Northglenn
Al Baker	Centennial Water & San. Dst.
Michael Wicklund	Monument San. Dst.
Lesa Julian	Broomfield
Ginny Johnson	Colorado Springs Utilities
Dave Meyer	Westminster
Tad Foster	Law Office of Tad Foster
Nancy Keller	Pueblo
Sarah Reeve	Brown and Caldwell
Caroline Byers	BHCC Water & Sanitation District
Mary Gardner	L/E WWTP
Tim Grotheer	Centennial Water & San. Dst.
Dave Akers	WQCD
Steve Gunderson	WQCD
Julie Piatt Kemper	Aurora
Paul Ferraro	CWWUC

**I. WQCD Activities / Legislative - Steve Gunderson (CWQCD)**

Basic Rulemaking Hearing was held on Monday and Tuesday, June 7th & 8th.

WQCD Activities

- a) Nonylphenol decision - Standard effective on January 1, 2011. Monitoring first for several years. Amy Woodis proposed sending a letter to Dave Akers from the Council. Members agreed.  
EPA - PQL needed. EPA to develop a method to analyze nonylphenol. State has to decide which method to use. The Division is working on a PQL for nonylphenol.
- b) Effluent dominate anti-degradation. EPA does not agree with the State.
- c) Nitrate and Arsenic. The Commission approved the water supply table value criteria for arsenic and nitrate proposed by the Division.
- d) Molybdenum. The Commission adopted the Division's proposed table value criteria for molybdenum. The EPA may deny approval.

Next year (June 2011)- Special Hearing

- Numeric standard for nutrients
  - EPA scientifically based
  - Figures are low.
  - State to develop an implementation schedule,
  - Nitrogen is difficult issue. Science behind the numbers, then implementation. White paper completed within two weeks.
  - Comments / Questions:
    - Tad Foster - Why have standards vs. implementation? We are working on the white paper for standards. How do we organize on engineering / science to make the process work?
    - Dave Akers - The State is developing a detailed White Paper to be completed by the end of July. Will include technologies and engineering working together.
    - Amy Woodis - Problem. Suggest two White Papers - 1) engineering and 2) implementation.
    - Nancy Keller - Submit your monitoring data to Dave Akers regarding nutrients.

EPA's Clean Water Action Plan is being developed. It will revamp the way the State does business. Dave Akers represents the State on a committee. The Plan will impact enforcement, permitting, and perhaps standards. EPA is realizing that one size does not fit all. The State can't do everything; there is a need to prioritize. EPA may be doing its own enforcement - 1 million gal/day flow of municipal system, 6,500 major WWTPs in the US. Focus may be away from major WWTP to others. Pete Silva from EPA headquarters is issuing a memo regarding short-term action to be out soon.

## **II. WQCD Activities / Permitting - Dave Akers (CWQCD)**

- General Permit for Pesticides - Aquatic, mosquitoes, aquatic weeds and forest spraying. Terrestrial spraying should be added. 1,000 to 2,000 permits likely for Colorado. Need legislation to meet the issuing of permits by April 9, 2011. Colorado is considering using the General Permit that EPA develops to be issued for Indian lands and states where the EPA has the Permit Program.
- On-site Wastewater Treatment Workgroup. The workgroup began last August and considered 13 recommendations that were presented to the workgroup. The workgroup is considering mandatory requirements, i.e., training, certification, operators, design aspects, etc. Legislation will be needed, but may not be done in 2011 depending on the new Governor. Title Transfer - inspection - is optional at county level. Use Permit is based on the risk of the system and risk to the water quality and the environment. The new Governor to decide if he will go forward with legislation.
- Group septage - screen.
- Design Group - definition of size - 2,000 gpd. Site application process to be made simpler.
- Gray Water Group - use of gray water; many negative comments.
- Survey of the Participants - 200 people on email list participated in the survey. 45 to 90 people attended meetings. 70 - 90% agree on a number of issues.
- Division Fee Bill - depends on the new Governor whether or not it will be introduced next year. Pesticide fees are a challenge.
- Mary Gardner commented that priorities are good and thanked Dave.
- SSO - EPA is looking at using the Clinton Administration Rule. Rulemaking will deal with the facilities and collection.
- Stimulus Funds - State of Colorado was #1 in the country by issuing over \$62 million in drinking water and wastewater projects.
- NPS needs to be addressed in the State funding.
- Pueblo: Ammonia project was estimated at \$24 million and came in at \$17 million.
- The Gulf disaster may change priorities at the EPA.

## **III. Updates.**

- Water Utility Council - no report.
- Stormwater - Jill Piatt-Kemper reported that MS4 questionnaire is increasing in size and is still considered to be a draft. The EPA to reissue the questionnaire in October 2010.

- Nutrients
  - MMI - proposal from Tim Moore. The Executive Committee has authorized \$4,800 of work.
  - Nutrients Proposal. White Paper is done. It will be out this week to members for approval. To be funded by the Colorado Water Congress and the Colorado Wastewater Utility Council. Tad Foster and John Hall are the contractors. Estimate of \$150K to \$200K. Have tentative commitments for \$50 - \$70K.
  - June 24, 2010 meeting at the Colorado Water Congress regarding the nutrients proposal.
  - Martha sent a letter to the Board to seek funds from more people. The Board did not send it out at this time.

## **VI. Open Discussion**

- Paul distributed the attached one page document from the Clean Power Partners of Colorado outlining what they will do for WWTPs in the area of energy savings. Contact Alex Eucare at 202-263-7422 for more information.

Meeting adjourned at 3:35 pm.

***Next meeting: July 14, 2010 at 1 PM at L/E WWTP***

# Clean Power Partners of Colorado, LLC

## Three Income / Revenue / Energy Saving Sources for Wastewater Treatment Plants

- Immediate Energy Efficiency Savings from Green Retrofits After New Equipment is Installed
- Renewable Energy Installations – Solar, Wind and CHP
- Virtual Power Plant Technology Installation Also “Generates Revenue” from the Grid

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**Energy savings and a “new revenue” stream generated from our Virtual Power Plant technology is shared on a 50 / 50 basis with the wastewater treatment plant after the new equipment cost is recovered.**

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1. Turn-key finance and installation of energy efficiency retrofits at wastewater treatment plants.
2. Includes new “Recurring Revenue” program from our Virtual Power Plant (VPP) technology.
3. Project financing is repaid via shared energy savings and revenue from VPP technology and the treatment plant gets immediate energy savings once the new equipment / software systems are installed.
4. Project may include installation of solar and wind power whenever appropriate.
5. Strategic partners include CH2M Hill.com and Schneider-Electric.com.
6. Green and Smart audits provide estimates of the equipment upgrades required and the energy savings and VPP revenue derived from the retrofits at each treatment plant.
7. Up to 100% financing covers the cost of the energy efficiency upgrades and VPP installations with projected 3 to 5 year payback periods.
8. Optional, on-site bio-digester / CHP power generation systems may further reduce energy costs.
9. Interested parties contact Alex Eucare CEO of Clean Power Partners, LLC (below) to schedule a thirty minute conference call to review program - more details sent prior to call.

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Alex Eucare – CEO - Clean Power Partners, LLC – (202) AMERICA – 263-7422  
Confidential to Paul Ferraro – CWWUC.org – June 10, 2010