

**Georgia State Board of Examiners for the Certification of Water and Wastewater  
Treatment Plant Operators and Laboratory Analysts  
Board Meeting  
October 20, 2011**

A meeting of the Georgia State Board of Examiners for the Certification of Water and Wastewater Treatment Plant Operators and Laboratory Analysts was held on October 20, 2011 via teleconference. Margaret Doss, Chairperson, called the meeting to order at 9:30 a.m.

A quorum was established with members present being: Margaret Doss, Chairperson, Stanley Tate, Eric Osborne, Mike Whatley and Bill Defino.

Others present were as follows: Steve Lindsey, Executive Director; Amelia Baker, Assistant Attorney General and Melanie Brown, Board Support Specialist.

Dominique Carreker, with the Dekalb County Department of Watershed Management, attended the open session portion of the meeting.

**Approval of Minutes:**

Mike Whatley moved, Bill Defino seconded, and the Board voted to approve the minutes of the August 18, 2011 Board meeting.

**Executive Session:**

Eric Osborne moved to enter into Executive Session to deliberate on applications, complaints, and investigations, as authorized by O.C.G.A. § 43-1-2 (k) and 43-1-19 (h). Bill Defino seconded the motion. The motion was carried by Margaret Doss, Chairperson, Stanley Tate, Eric Osborne, Mike Whatley and Bill Defino. The Board concluded Executive Session in order to vote on the matters discussed and to continue with the public session.

**Applications:**

Mike Whatley moved, Stanley Tate seconded, and the Board voted to ratify the licenses presented as issued since the August 18, 2011 meeting

Mike Whatley moved, Stanley Tate seconded, and the Board voted to approve the following applications for licensure:

- 1313670                      Large, Robert Paul                      Wastewater Industrial Operator
- 1727770                      Byrd, Demetrius Maurice                      Water Operator Class 3

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- 1729471      Coleman, Phillip Joseph      Wastewater Operator Class 1
- 1312686      Hooper, Joshua Heath      Wastewater Operator Class 3

Mike Whatley moved, Stanley Tate seconded, and the Board voted to deny the following application for licensure:

- 1315079      C J M

Mike Whatley moved, Stanley Tate seconded and the Board voted to accept the report of pending cases presented by the Attorney General.

Mike Whatley moved, Stanley Tate seconded, and the Board voted to accept the Cognizant Member's recommendations on the following cases:

- WW110008      Close

Mike Whatley moved, Stanley Tate seconded, and the Board voted to approve the following courses submitted for continuing education:

| <u>Program Provider/Sponsor</u>  | <u>Course Title</u>  | <u>Training Hours</u> | <u>Pts. Requested</u> | <u>Pts. Approved</u> |
|--|--|-----------------------|-----------------------|----------------------|
| American Water Works Association<br>(AWWA)<br>Leah Bang<br>6666 W. Quincy Avenue<br>Denver, CO 80235<br>303-734-3436<br><a href="mailto:Lbang@awwa.org">Lbang@awwa.org</a> | Distribution Systems Symposium and Exposition (DSS 2011)       | 20                    | 20                    | 12                   |
|  | Water Security Congress and Exposition (WSC 2011)              | 20                    | 20                    | Tabled               |
|  | Water Quality Technology Conference & Exposition 2011 (WQTC11) | 32                    | 32                    | 12                   |
| CEU Plan<br>Bill Edgar   | Introduction to Chlorine                                       |                       | 1                     | 1                    |

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|   |   |  |   |   |
|---|---|--|---|---|
| P.O. Box 10355<br>Brooksville, FL 34603 |   |  |   |   |
|   | Components of Chlorine                                      |  | 1 | 1 |
|   | Chlorinators  |  | 1 | 1 |
|   | Chlorine Procedures   |  | 1 | 1 |
|   | Chlorine Dioxide  |  | 1 | 1 |
|   | Wastewater Sludge Treatment -<br>Complete Course            |  | 2 | 2 |
|   | Dechlorination - Gas Application<br>and Usage               |  | 3 | 3 |
|   | On-Site Sodium Hypochlorite<br>generator Conversion         |  | 4 | 4 |
|   | Oxidation in Water/Wastewater                               |  | 1 | 1 |
|   | Bio-Augmentation  |  | 1 | 1 |
|   | Geology   |  | 1 | 1 |
|   | Have you seen the Light?<br>Introduction to UV technologies |  | 1 | 1 |
|   | Activated Sludge I: Introduction and<br>Overview            |  | 1 | 1 |
|   | Activated Sludge II: 2nd Clarifiers<br>and RAS-WAS          |  | 1 | 1 |
|   | Activated Sludge III: Oxygen<br>Demand - Transfer - Uptake  |  | 1 | 1 |
|   | Enhanced Coagulation  |  | 1 | 1 |
|   | Hazardous Materials Effects to<br>Human Health              |  | 4 | 4 |
|   | Emerging Water Borne Pathogens                              |  | 3 | 3 |
|   | What is Cryptosporidium?                                    |  | 1 | 1 |
|   | Health Concerns of Public Interest                          |  | 1 | 1 |
|   | Introduction into the CDC<br>Organization                   |  | 1 | 1 |
|   | Laboratory Safety: Overview, Rules,<br>& Regulations        |  | 1 | 1 |
|   | Laboratory Safety: The Nucleus of a<br>Lab Safety Program   |  | 1 | 1 |
|   | Sludge Digestion and Solids Handling                        |  | 4 | 4 |
|   | Introduction to Solids Handling and<br>Stabilization        |  | 1 | 1 |

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|  |   |  |    |    |
|--|---|--|----|----|
|  | Stabilizations  |  | 1  | 1  |
|  | Sludge Conditioning & Dewatering                          |  | 1  | 1  |
|  | Sludge Digestion and Beneficial Use                       |  | 1  | 1  |
|  | Basic Chemistry - Complete Course Series                  |  | 10 | 10 |
|  | Atoms & Molecules   |  | 1  | 1  |
|  | Nuclear Decay   |  | 1  | 1  |
|  | States of Matter  |  | 1  | 1  |
|  | Chemical Bonding  |  | 1  | 1  |
|  | Chemical Nonmenclature                                    |  | 1  | 1  |
|  | Solubility  |  | 2  | 2  |
|  | Reverse Osmosis   |  | 1  | 1  |
|  | Water Purification  |  | 2  | 2  |
|  | Accounting 101  |  | 0  | 0  |
|  | Accounting 102  |  | 0  | 0  |
|  | Basic Mathematics   |  | 1  | 1  |
|  | Advanced Mathematics                                      |  | 2  | 2  |
|  | Pipe, Valves, and Fittings                                |  | 1  | 1  |
|  | Lift Station Repair                                       |  | 1  | 1  |
|  | Corrective Preventive Maintenance:<br>Complete Course     |  | 8  | 8  |
|  | CPM: Functions, Failures - Mode &<br>Effects              |  | 2  | 2  |
|  | CPM: Building a PM Program                                |  | 2  | 2  |
|  | CPM: Tracking Failures                                    |  | 2  | 2  |
|  | Introduction to Online Analytical<br>W/WW Instrumentation |  | 2  | 2  |
|  | Basic Computers   |  | 0  | 0  |
|  | Blueprints I  |  | 0  | 0  |

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|  |  |  |    |    |
|--|--|--|----|----|
|  | Personal Sampling  |  | 1  | 1  |
|  | Sampling for Surface Contaminants                                |  | 1  | 1  |
|  | Technical Equipment  |  | 1  | 1  |
|  | Indoor Air Quality   |  | 0  | 0  |
|  | Ventilation  |  | 0  | 0  |
|  | Heat Stress  |  | 1  | 1  |
|  | Laser Hazards  |  | 0  | 0  |
|  | Legionnaires Disease   |  | 0  | 0  |
|  | Back Disorders   |  | 1  | 1  |
|  | Chemical Clothing/Respiratory                                    |  | 3  | 3  |
|  | Intro. To Chemical Prot./Respiratory                             |  | 1  | 1  |
|  | Chemical Clothing  |  | 1  | 1  |
|  | Respiratory Protection   |  | 2  | 2  |
|  | Primary Treatment  |  | 1  | 1  |
|  | Trickling Filters  |  | 1  | 1  |
|  | Your Responsibilities with the<br>Regulatory Agency              |  | 1  | 1  |
|  | Terrorism Vulnerability Assessment<br>in Community Water Systems |  | 1  | 1  |
|  | Disinfection By-Products: Summary<br>of Rule                     |  | 2  | 2  |
|  | Trenchless Technologies: An<br>Introduction                      |  | 1  | 1  |
|  | CPM: Creating SOP's  |  | 2  | 2  |
|  | Trenchless Technologies: Pipeline &<br>Structure Rehabilitation  |  | 1  | 1  |
|  | Trenchless Technologies: Complete<br>Course                      |  | 2  | 2  |
|  | HIV in Wastewater: Presence and<br>Risk                          |  | 2  | 2  |
|  | Water Treatment Techniques -<br>Complete Course                  |  | 10 | 10 |

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|  |  |  |   |   |
|--|--|--|---|---|
|  | WTT: filtration  |  | 2 | 2 |
|  | WTT: Settling and Clarification                                |  | 2 | 2 |
|  | WTT: Distillation  |  | 2 | 2 |
|  | WTT: Ion Exchange  |  | 2 | 2 |
|  | WTT: Membrane Separation                                       |  | 2 | 2 |
|  | ORP - Wastewater Biological<br>Nutrients removal Process       |  | 1 | 1 |
|  | Wastewater Formulas  |  | 2 | 2 |
|  | Collection Mathematics   |  | 2 | 2 |
|  | Distribution Mathematics                                       |  | 2 | 2 |
|  | Use of an Excel Spreadsheet in a<br>Wastewater Treatment Plant |  | 1 | 1 |
|  | Wastewater Operational Tools                                   |  | 1 | 1 |
|  | Introduction in Biological Nutrient<br>Removal                 |  | 2 | 2 |
|  | Toxic & Hazardous Material<br>Handling Procedures              |  | 4 | 4 |
|  | Basic Microbiology   |  | 1 | 1 |
|  | Parasites, Part I - Helminths                                  |  | 1 | 1 |
|  | Activated Sludge IV: Process Control<br>& Troubleshooting      |  | 1 | 1 |
|  | Laboratory Safety: Guidelines -<br>Chemical & Biosafety        |  | 1 | 1 |
|  | Package - Wastewater Treatment<br>Plant                        |  | 1 | 1 |
|  | Procedure for UV Pilot Testing                                 |  | 1 | 1 |
|  | Activated Sludge V: Troubleshooting<br>Part 2                  |  | 1 | 1 |
|  | Activated Sludge - Complete Course                             |  | 5 | 5 |
|  | UV Disinfection _ Sizing of UV<br>System Using Biosafety       |  | 1 | 1 |
|  | History of Ultraviolet Disinfection                            |  | 1 | 1 |
|  | Lead and Copper Rule   |  | 1 | 1 |

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|  |   |  |   |   |
|--|---|--|---|---|
|  | Arsenic   |  | 1 | 1 |
|  | ORP Instrumentation and Measurement   |  | 1 | 1 |
|  | pH Instrumentation and Measurement  |  | 1 | 1 |
|  | Becoming a First Class Supervisor - Complete Course                         |  | 4 | 4 |
|  | BFCS: Transition from Craftsman to Supervisor                               |  | 1 | 1 |
|  | BFCS: Effective Supervisory Communication                                   |  | 1 | 1 |
|  | BFCS: Leadership/Coaching   |  | 1 | 1 |
|  | BFCS: Delegation/Motivation   |  | 1 | 1 |
|  | Treatment Plant Maintenance and Accident Prevention                         |  | 4 | 4 |
|  | TPMAP: Ownership of Equipment   |  | 1 | 1 |
|  | TPMAP: Equipment Failures and Hazards                                       |  | 1 | 1 |
|  | TMPAP: Checklists Mean More than a Checkmark                                |  | 1 | 1 |
|  | TMPAP: Solutions Can be Healthy   |  | 1 | 1 |
|  | Parasites, Part 2   |  | 2 | 2 |
|  | Introduction to Basic Microbiology and Parasites                            |  | 6 | 6 |
|  | Basic Microbiology, Part 2  |  | 2 | 2 |
|  | Filamentous Bacteria Identification & Process Control                       |  | 1 | 1 |
|  | Introduction to Wastewater Microbiology & Process Control                   |  | 1 | 1 |
|  | Wastewater Microbiology & Process Control - Streaming Series                |  | 3 | 3 |
|  | Introduction to Backflow Prevention   |  | 1 | 1 |
|  | Water's Journey: Part 1 - Hidden River - Streaming Series                   |  | 1 | 1 |
|  | Water Shortage, Reuse, and Resource Management: The St. Petersburg, Florida |  | 1 | 1 |
|  | Water's Journey: Part 2 River Returns - Streaming Series                    |  | 1 | 1 |

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|  |  |  |   |   |
|--|--|--|---|---|
|  | Tracing the Path of Water - Streaming Series                               |  | 1 | 1 |
|  | Water's Journey: Part 3 - Everglades: Current of Change - Streaming Series |  | 2 | 2 |
|  | Water Reuse - Florida DEP Program - Streaming Series                       |  | 2 | 2 |
|  | Analytical Chemistry Techniques  |  | 3 | 3 |
|  | Leadership   |  | 0 | 0 |
|  | Septage Handling at the Treatment Plant                                    |  | 1 | 1 |
|  | Corrosion Control  |  | 1 | 1 |
|  | FOG: Fats, Oils, and Grease  |  | 4 | 4 |
|  | Laboratory Safety: Electrical, Fire and Radiation Safety                   |  | 1 | 1 |
|  | Laboratory Safety: Labware and Waste Disposal                              |  | 1 | 1 |
|  | Laboratory Safety: Complete Course   |  | 5 | 5 |
|  | Emergency Response   |  | 1 | 1 |
|  | Collection System: Sewer Line Root Control                                 |  | 4 | 4 |
|  | Collection System: Getting to the Root of the Sewer Problem                |  | 1 | 1 |
|  | Industrial Wastewater Sludge   |  | 1 | 1 |
|  | Submersible Sewage Pumping System - Complete Course                        |  | 5 | 5 |
|  | SSPS: Introduction & Design Considerations                                 |  | 1 | 1 |
|  | SSPS: Selection of Submersible Pumps                                       |  | 1 | 1 |
|  | SSPS: Description of Pumps   |  | 1 | 1 |
|  | SSPS: Controls   |  | 1 | 1 |
|  | SSPS: Controls, Start-Up, & Operation                                      |  | 1 | 1 |
|  | LP: Lab Terminology and Apparatus  |  | 1 | 1 |
|  | LP: Basic Wastewater Lab Procedures  |  | 1 | 1 |

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|--|--|----|----|----|
|  | LP: Biochemical Oxygen Demand (BOD)                      |    | 1  | 1  |
|  | LP: Solids   |    | 1  | 1  |
|  | LP: Fecal Coliform Bacteria                              |    | 1  | 1  |
|  | LP: Basic Drinking Water Quality Test                    |    | 1  | 1  |
|  | LP: Drinking Water Bacteriological Procedures            |    | 21 | 21 |
|  | LP: Wastewater Techniques - Complete Course              |    | 6  | 6  |
|  | Public Admin I - Introduction into Public Administration |    | 1  | 1  |
|  | Manager's Guide to Cost Control                          |    | 1  | 1  |
|  | New Orleans - History of Stormwater Pumping              |    | 0  | 0  |
|  | Wind Turbines & Alternative Energy Resources             |    | 0  | 0  |
|  | Industrial Wastewater Treatment - Streaming Series       |    | 6  | 6  |
| Clayton County Water Authority<br>Charles Eaton<br>1600 Battle Creek Rd.<br>Morrow, GA 30260<br>770-960-5205<br><a href="mailto:cecton@ccwa.us">cecton@ccwa.us</a>   | Collection System Operation and Maintenance              | 27 | 12 | 12 |
| Chattahoochee Technical College<br>Douglas Anne Tayloe, Ph.D<br>980 South Cobb Drive<br>Marietta, GA 30060<br>770-528-4586<br><a href="mailto:dataylor@chattahoocheetech.edu">dataylor@chattahoocheetech.edu</a> | Wastewater Collections Systems Operator - Level 3        | 40 |    | 0  |
| Dalton Utilities<br>Gary L. Hill<br>P.O. Box 28873<br>Scottsdale, AZ B5255<br>706-529-1354<br><a href="mailto:ghill@dutil.com">ghill@dutil.com</a>   | Basic Wastewater   |    | 12 | 12 |
|  | Activated Sludge Process Control                         |    | 12 | 12 |
|  | Confined Space Entry                                     |    | 2  | 2  |
|  | Respiratory Protection                                   |    | 2  | 2  |

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|--|---|---|----|----|
|  | Trenching and Shoring   |   | 2  | 2  |
|  | Lock Out/ Tag Out   |   | 2  | 2  |
|  | Machinery and Machine Guarding                                |   | 2  | 2  |
|  | Chlorine Safety   |   | 2  | 2  |
|  | Fall Protection   |   | 2  | 2  |
|  | Bloodborne Pathogens  |   | 2  | 2  |
|  | Electrical Hazards  |   | 2  | 2  |
|  | CPR/FIRST AID/AED   |   | 4  | 4  |
|  | Hazardous Materials   |   | 2  | 2  |
|  | Defensive Driving   |   | 4  | 4  |
|  | Fire Protection   |   | 2  | 2  |
|  | Back Safety   |   | 2  | 2  |
|  | Water Treatment Plant Operations<br>Basic 1&2                 |   | 12 | 12 |
| Douglasville-Douglas Co Water & Sewer<br>Authority<br>Steve Green<br>4930 Grey Road<br>Douglasville GA 30135<br>770-920-3868<br><a href="mailto:sgreen@ddcwsa.com">sgreen@ddcwsa.com</a>               | Hypochlorite Generators - Dilution<br>Panel and Cell Cleaning |   |    | 2  |
| DPC Enterprises, L.P.<br>Tonda G. Wynn<br>3 A Riverside Lane<br>Chattanooga, TN 37406<br>704-799-5255<br><a href="mailto:twynn@dxgroup.com">twynn@dxgroup.com</a>                                      | Chlorine Safety for Water &<br>Wastewater Operators           | 3 | 3  | 2  |
| Environmental Business Specialists, LLC<br>Marie Tranchina<br>1930 Surgi Dr.<br>Mandeville, LA 70448<br>985-674-0660 X 114<br><a href="mailto:tranchina@bsbiowizard.com">tranchina@bsbiowizard.com</a> | Wastewater Engineer and Operator<br>Training                  |   |    | 10 |
| Georgia Association of Water<br>Professionals (GAWP)<br>1655 Enterprise Way  | 2012-2013 Annual Conference &<br>Expo                         |   | 12 | 12 |

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|  |   |    |                 |                 |
|--|---|----|-----------------|-----------------|
| Marietta, GA 30067<br>770-618-8690 ext. 30<br>770-618-8695 fax<br><a href="mailto:bjohnson@gawp.org">bjohnson@gawp.org</a>                 |   |    |                 |                 |
|  | 2012-2013 AWWA Annual Conference & Expo                               |    | 12              | 12              |
|  | 2012-2013 Fall Conference & Expo                                      |    | 12              | 12              |
|  | 2012-2013 Spring Conference & Expo                                    |    | 12              | 12              |
|  | 2012-2013 Industrial Conference & Expo                                |    | 12              | 12              |
|  | 2012-2013 Managers of Small to Medium Water Systems                   |    | 6               | 6               |
|  | 2012-2013 Tri-State Water Resources Symposium (Confluence Conference) |    | 6               | 6               |
|  | 2012-2013 WEF Annual Conference (WEFTEC)                              |    | 12              | 12              |
|  | 2012-2013 Customer Service Workshop                                   |    | 4               | 4               |
|  | GAWP District Meetings  |    | 2               | 2               |
|  | 2012-2013 GAWP Large Utility Executive Forum                          |    | 6               | 6               |
|  | 2012-2013 Stormwater & Watershed Specialty Conference                 |    | 6               | 6               |
|  | 2012-2013 Water and Wastewater Mini-Workshops                         |    | 4               | 4               |
|  | 2012-2013 Knowledge Pipeline - Collection System Workshop             |    | 4               | 4               |
|  | 2012-2013 Water Audit & Loss Control Workshop                         |    | 3               | 3               |
| North Georgia Technical College<br>Rex Bishop, Vice President for Academic Affairs<br>P.O. Box 65<br>Clarksville, GA 30523<br>706-754-7700 | Introduction to Water Treatment Processes                             | 40 | 40 BAS<br>12 CE | 40 BAS<br>12 CE |
|  | Wastewater Treatment  | 40 | 40 BAS<br>12 CE | 40 BAS<br>12 CE |

The Board responded to correspondence from the following regarding the approval of certifications, training and experience submitted from South Carolina with respect to making application for a Georgia license:

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- Robert Gadson Savannah, GA

Based on the documents submitted, Mr. Gadson would be eligible to apply for a Georgia Distribution or Collections license by endorsement. Mr. Gadson's biological training would be considered sufficient for licensure, but he would be required to pass the examination.

The Board discussed the posting of the continuing education rule amendments to become effective in 2013.

The Board also discussed implementing a policy on webinars and online courses that would allow the 2013 changes to be instituted prior to the effective date of the rule amendment changes.

The Board received correspondence from the Association of Board of Certification (ABC), verifying the Board's contact information currently on file. Updated contact information will be forward to ABC for filing.

The next meeting of the Board will be December 15, 2011, at 9:30 a.m. at the Professional Licensing Boards Office in Macon, GA.

There being no further business, the meeting was adjourned at 10:26 a.m.

Minutes approved at the December 15, 2011 meeting.