



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
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In reply, please refer to:  
File: SDWB  
Agenda 11-29-2023

BOARD OF CERTIFICATION OF PUBLIC WATER SYSTEM OPERATORS  
MEETING AGENDA

DATE: November 29, 2023

TIME: 10:00 a.m.

LOCATION: 2385 Waimano Home Road, Pearl City

VIRTUAL: [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_MDQxYzgZMTctYTZiMi00NzA1LTgwY2EtZjQxYWM5NTU4Mjcw%40thread.v2/0?context=%7b%22Tid%22%3a%223847dec6-63b2-43f9-a6d0-58a40aaa1a10%22%2c%22Oid%22%3a%229a65aa2f-0e8b-4c95-b7ed-9d8fb85a9493%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDQxYzgZMTctYTZiMi00NzA1LTgwY2EtZjQxYWM5NTU4Mjcw%40thread.v2/0?context=%7b%22Tid%22%3a%223847dec6-63b2-43f9-a6d0-58a40aaa1a10%22%2c%22Oid%22%3a%229a65aa2f-0e8b-4c95-b7ed-9d8fb85a9493%22%7d)

AGENDA

A. Call to Order

B. Old Business

- Comment on minutes of the previous meeting held on August 23, 2023.

C. New Business

- Review applications for Distribution System Operator (DSO) certification.
  1. Wong, Wilfred, DSO 1
  2. Ancheta, Garrett, DSO 3
  3. Ewen, Daniel, DSO 3
  4. Melchor, Florendo, DSO 3
  5. Hale, Devin, DSO 4
  6. Arentz, Christopher, DSO 4 Reciprocity
- Review applications for Water Treatment Plant Operator (WTPO) certification.
  1. Ignacio, Wesley, WTPO 1
  2. Kamai, Rosaleen, WTPO 1
  3. Matsu, Lindo, WTPO 1
  4. Namakaeha, Brennan, WTPO 1

5. Victorino, Matthew, WTPO 1
  6. Bitancor, Romel, WTPO 2
  7. Arentz, Christopher, WTPO 4 Reciprocity
  8. Ferrer, Ronald, WTPO 4 Reciprocity
- Review requests for Continuing Education Unit (CEU) approval.
    1. Honolulu Board of Water Supply External Corrosion Standards
    2. Trenton Wax Tape Anticorrosion Wrap System and Patch-Pad Exothermic Weld Protector
    3. Field Repair Training
    4. Administration and Inspection of BWS Pipeline Project
    5. Expanding Water Agency Data and Intelligence with AMI and Monitoring Technologies
    6. How Metering-as-a-Service Can Reduce Risk and Improve Outcomes in Advanced Metering Projects
    7. PVC Pipe: Safety and Sustainability
    8. Countdown to Compliance: Leveraging Predictive Modeling for the LCRR's 2024 Deadline
    9. LSLI: T-Minus 12 Months
    10. PFAS and Emerging Contaminant Technology Transfer to States and Tribes
    11. Advanced Monitoring Solutions for Water and Wastewater
    12. 2023 HWWA Conference
    13. Fifth Unregulated Contaminant Monitoring Rule (UCMR5)
    14. Harnessing Data for More Reliable PCCP Pipelines
    15. Lead Line, Water Loss and Bill Collection Initiatives
    16. Funding to Mitigate Disasters with Fed Funds
    17. Round Mountain advanced Treatment Pilot Project
    18. How to Prepare Your Utility for Disasters
    19. Flushing and Re-energizing a Section of Water Main After a Closure
    20. Developing Standard operating Procedures
    21. Risk, Crisis, and General Communication
    22. Unlocking Your Plant's Potential: Optimized Quality, Reporting & Operations
    23. Sustainable Infrastructure, Resilient Water Supplies: Digital Solutions for Water Loss
    24. Topics, Technologies & Best Practices for Advanced Treatment
    25. Conventional Water Treatment, Best Practices & Issues
    26. Basic Electrical Safety 2023
    27. Vehicle Safety 2023
    28. Traffic and Work Zone Safety 2023
    29. Pump Safety 2023
    30. Lock Out/Tag Out 2023
    31. Water Sampling Safety 2023
    32. Fundamentals of Excavation, Trenching and Pipe Safety Refresher 2023

33. First Aid for Burns 2023
34. Safety Around Wells 2023
35. Fire Extinguisher Safety 2023
36. Chemical Safety 2023
37. Chlorine Handling and Safety 2023
38. Confined Space Safety Refresher 2023
39. Noise Exposure 2023
40. Working in Hot Conditions 2023
41. PPE 2023
42. Water Supply Operations and Non-Revenue Water
43. Water Supplies & Demand Management
44. Pumps and Motors/O&M Pre Cert Training
45. D1/D2 Exam Preparation and Math Refresher
46. D3/D4 Exam Preparation and Intermediate Math
47. Source Water and Geology/Water Treatment Operations
48. Networking/Pumps and Motors/Storage Facilities, Pipe Conveyances and Hydrants/Facility Tour
49. Water Treatment: Disinfection - Part 2
50. [ACR] Pumps & Pumping: Abnormal Operating Conditions
51. [ACR] Pumps & Pumping: Special Pumping Units
52. [ACR] Pumps & Pumping: Lineshaft Turbine Operating Conditions
53. [ACR] Pumps & Pumping: Normal Operating Conditions
54. [ACR] Pumps & Pumping: Pump Piping System
55. [ACR] Pumps & Pumping: Pump Hydraulics
56. [ACR] Pumps & Pumping: Selection & Replacement of Mechanical Seals
57. [ACR] Pumps & Pumping: Selection & Replacement of Pump Packing
58. [ACR] Pumps & Pumping: Centrifugal Pump Repair
59. [ACR] Pumps & Pumping: Centrifugal Pump Components
60. [ACR] Pumps & Pumping: Centrifugal Pump Types
61. [ACR] Pumps & Pumping: Centrifugal Pump Classification & Theory
62. [ACR] Chlorine O&M: Disinfection
63. [ACR] Chlorine O&M: Chemical Properties
64. [ACR] Chlorine O&M: Reactions and Effects
65. [ACR] Chlorine O&M: Gas Chlorine Stations
66. [ACR] Chlorine O&M: Cylinders and Connections
67. [ACR] Chlorine O&M: Gas Chlorinators O&M
68. [ACR] Chlorine O&M: Hypochlorinator O&M
69. [ACR] Chlorine O&M: Safety
70. [ACR] Chlorine O&M: Monitoring
71. [ACR] Chlorine O&M: Math
72. [ACR] Distribution System: Introduction
73. [ACR] Distribution System: Piping
74. [ACR] Distribution System: Valves
75. [ACR] Distribution System: Fire Hydrants
76. [ACR] Distribution System: Storage
77. [ACR] Distribution System: Booster Station

78. [ACR] Distribution System: Service Connections
79. [ACR] Distribution System: Safety
80. [ACR] Distribution System: Inspection
81. [ACR] Distribution System: Meters
82. [ACR] Distribution System Construction: Pre-Construction Planning
83. [ACR] Distribution System Construction: Implementing Construction Plans
84. [ACR] Distribution System Construction: Blueprint Reading
85. [ACR] Distribution System Construction: Safety
86. [ACR] Distribution System Construction: Traffic Control
87. [ACR] Distribution System Construction: Pipe Materials
88. [ACR] Distribution System Construction: Trenching Techniques
89. [ACR] Distribution System Construction: Cave In Protection Shoring
90. [ACR] Distribution System Construction: Pipe Laying
91. [ACR] Distribution System Construction: Hydrants Valves Appurtenance
92. [ACR] Distribution System Construction: Thrust Blocks
93. [ACR] Distribution System Construction: Corrosion Control
94. [ACR] Distribution System Construction: Bedding Backfill
95. [ACR] Distribution System Construction: Testing Disinfection
96. [ACR] Electrical: Atomic Theory
97. [ACR] Electrical: Control Systems
98. [ACR] Electrical: Measurements
99. [ACR] Electrical: Circuits Basics
100. [ACR] Electrical: Electromagnetism
101. [ACR] Electrical: Normal Operations
102. [ACR] Electrical: Power Systems
103. [ACR] Electrical: Reading Electrical Diagrams
104. [ACR] Electrical: Troubleshooting Electrical Problems
105. [ACR] Fire Hydrants: History, Operations, and Inspections
106. [ACR] Fire Hydrants: Data Collection & Record Keeping
107. [ACR] Fire Hydrants: Normal Maintenance Repair
108. [ACR] Hydraulics: The Basics
109. [ACR] Hydraulics: Liquids at Rest
110. [ACR] Hydraulics: Flow in Closed Conduits
111. [ACR] Hydraulics: Pump Hydraulics
112. [ACR] Hydraulics: Flow in Open Channels
113. [ACR] Utility Management: Introduction
114. [ACR] Utility Management: Organizational Management
115. [ACR] Utility Management: Planning Management
116. [ACR] Utility Management: Personnel Management
117. [ACR] Utility Management: Utility Operation Management
118. [ACR] Utility Management: Utility Financial Management
119. [ACR] Utility Management: Capacity Development Management
120. [ACR] Water Sources: Hydrology
121. [ACR] Water Sources: Surface Water Operations
122. [ACR] Water Sources: Groundwater Operations

123. [ACR] Water Sources: Pumping Systems
124. [ACR] Water Sources: Transmission Lines
125. Predicting Contaminant Removal in Activated Carbon System
126. 2023 WaterPro Conference
127. 2024 Virtual Operator Conference

- Review results of the DSO certification exam.
  1. Blankenfeld-Kaheiki, George, DSO 1
  2. Fuchigami, Jacob, DSO 1
  3. Gago, S'mon, DSO 1
  4. Gomes, Paul, DSO 1
  5. Ihara-Takase, Colby, DSO 1
  6. Kealoha-Hall, Christopher, DSO 1
  7. Manuel, Kalanikaukini, DSO 1
  8. Nakamura, Kyle, DSO 1
  9. Nunes, Joshua, DSO 1
  10. Sanchez, Brian, DSO 1
  11. Tranilla, Riccardo, DSO 1
  12. Bitancor, Romel, DSO 2
  13. Kamai, Rosaleen, DSO 2
  14. Oguma, Garrett, DSO 2
  15. Tabangcura, Wilfred, DSO 2
  16. Oducado, Justin, DSO 3
  17. Belanio, Rory, DSO 4
  18. Inouye, Alvin, DSO 4
  19. Pantastico, Jacob, DSO 4
  20. Waikiki, Neil, DSO 4
  
- Review results of the WTPO certification exam.
  1. Bueno, Wayne, WTPO 1
  2. Hadama, Kelly, WTPO 1
  3. Haleamau, Thomas, WTPO 1
  4. Miyata, Karli, WTPO 1
  5. Mukai, Brian, WTPO 1
  6. Weber, Daniel, WTPO 1
  7. De Luz, Tanya, WTPO 2
  8. Pang Kee, Adrian, WTPO 2
  9. Evans, Troy, WTPO 4
  10. Paman, Daniel, WTPO 4

#### D. Announcements

- Next board meeting is scheduled for February 28, 2024.

E. Adjournment

*If you need an auxiliary aid/service or other accommodation due to a disability, contact Jodi Yamami at 808-586-4263 or [jodi.yamami@doh.hawaii.gov](mailto:jodi.yamami@doh.hawaii.gov) as soon as possible. Requests made as early as possible will allow adequate time to fulfill your request.*

*Oral testimony may be provided for all to hear during the meeting via the virtual interactive conference technology link at the beginning of the agenda. Written testimony may be submitted to Jodi Yamami at [jodi.yamami@doh.hawaii.gov](mailto:jodi.yamami@doh.hawaii.gov) or 2385 Waimano Home Road, Suite 110, Pearl City, HI 96782 by November 24, 2023, and it will be presented at the meeting.*