Operator Round Table
Discussion, Problems, & Solutions

Colter Andersen, Zone 7 Water Agency

Robert Janowski, City of Napa

Conrad Tona, City of Redding
Colter Andersen
Zone 7 Water agency

– 18 years in Water Treatment

- T5:D5 Operations Manager
- Worked at 3 different water utilities; Northern California (Redding) to the Delta.
- Started as a T2:D2 in the ditch, to now overseeing 3 water treatment plants, 45 MGD conv, 13 MGD conv and 7 MGD ultrafiltration, and a wholesale distribution system with pipe from 48” down to 12”. 9 large production wells, 4 that feed a 6.6 MGD demineralization plant.
Robert Janowski
City of Napa

– 11 years in Water Treatment

- T5:D3 Water Treatment Manager
- Worked at 3 different water utilities; Northern California (Solano and Napa County).
- Started as a O.I.T., to now overseeing 3 water treatment plants, 2 ea. 20 MGD conv, one with Pre and Int. O3 and one with KMnO₄ as a Pre-Oxidant and a 3.3 MGD direct filtration plant, distribution system consisting of a maximum total storage of 26 MG, with 9 storage tanks, one fire tank and two pressure tanks and 3 clearwells.
Conrad Tona
City of Redding

• **COR Public Works Supervisor-WATER**

  > Oversee the O&M of 2 surface water plants, 17 wells, 11 reservoirs, 9 pump stations, 11 flow stations, with 7 pressure zones

  Member of AWWA since 1994,

  > **Currently serving as:** Calif. / Nevada AWWA Trustee, AWWA Standards committee & serve on several committees

  > **Past service Ca/Nv AWWA:**
    Water Treatment Committee Chair
    Op flow advisory committee
    Water Quality Division Chair
    Worked with Karl Voigt in the development of the Operators Division
    Top Ops Chair
    Started Young Professionals committee

Places I have worked: AVEK, CCWD, City of Santa Cruz, Bella Vista Water, Zone 7,
Discussion Topics

- Zone 7 Water Agency
  - Delta Water Quality - Salinity, Poor Quality
  - Water Conservation Measures - working with Retailers, Raw water Wholesalers, etc.
  - Emergency Drought Projects Wells, Pump Stations, Delivery Interruptions, Design etc.

- City of Napa
  - NBA Delta Water Quality - High TOC, low alkalinity
  - Local lake water quality – iron and manganese, Algal Blooms, Cyanotoxins (Microcystin) ? and M.I.B. and Geosmin
  - Stage II challenges. (violations, OEL)
  - Drought water quality
  - Limited local supply
  - Wholesaler to neighboring communities
  - Major earthquake 2014
  - Staffing issues, recruiting journeyman or OIT?

- City of Redding
  - Altering SOP’s to keep up on changing times.
  - Aquifer trends, understanding your groundwater basin: Water levels in aquifers fluctuate in both a long and short term sense, primarily in response to changes in precipitation and/or pumping. A plot of these fluctuations through time is called a hydrograph.
  - 36% our Cities drought cut back requirement, effects on treatment of Surface Water and groundwater production.
  - LT2 Crypto sampling
  - CMMS (computer maintenance management system) utilizing the data to review FTE for O&M efficiencies
  - Evaluations: what do operators really think?
Talking Points

- Latest innovations
- Current successes
- Lessons learned
- Time and cost savings
- Working with regulators
- New equipment or replacements
- Meeting regulations
- Preparing for the next storm El Nino
- Projects and problems or solutions
- What have you done to deal with poor water quality pertaining to the drought
- How have you found ways to save water
Conclusions

- Final wrap-ups
- Did this fill a need?
- Do you want to do this type of Session again?
- Come join the Operator Committee.
Thanks for Coming
Contact Info.

- Andersen, Colter
candersen@zone7water.com

- Robert Janowski
rjanowski@cityofnapa.org

- Conrad Tona
ctona@ci.redding.ca.us