

Direct Potable Reuse Regulation Development

DPR Criteria Expert Panel Meeting 4
February 28, 2022



Division of Drinking Water

Expert Panel & Timeline

- AB 574 requires that an expert review panel review the proposed criteria and adopt a finding as to whether, in its expert opinion, the proposed criteria would adequately protect public health.
- Expert Panel convened in July 2021
- Expert Panel meetings held:
 - August 2021
 - December 2021
 - January 2022
 - February 2022
- Expert Panel finding to be presented in a consensus memo
 - Expert Panel consensus draft memo – March 2022
 - Expert Panel consensus final memo – April 2022



Improve Public Health Protection

- Panel recommendations that will improve public health protection:
 - A requirement for 24/7 operation for at least 12 months before considering a request for reducing the number of operators and/or unstaffed operations
 - A requirement for third-party peer review for:
 - Review DPR treatment plant designs, including instrumentation, controls, and SCADA system
 - Review project at commissioning
 - Review project during operations for continuous improvement to implement engineering best practices
 - A requirement for online nitrite monitoring for the ozone-BAC treatment

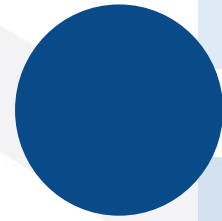
Improve Clarity of the Proposed Criteria

- Panel recommendations that will improve the clarity of the language in the proposed criteria:
 - Requirement for additional topics to be included in an Engineering Report, including:
 - describing optimization of upstream wastewater treatment to produce a stable and high-quality, fully nitrified water as the feed water to a DPR advanced treatment facility, and
 - consideration of temperature effects on treatment and distribution system chemistry.
 - Ozone/BAC treatment process requirements
 - Recommendations highlighting the importance of addressing the life-cycle planning horizon in the Joint Plan, cybersecurity planning in the Engineering Report, and communication and public notification

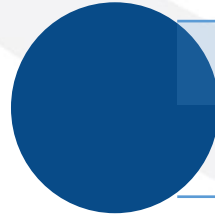
Next Steps

- Receive Expert Panel findings in a consensus memo
- Develop regulatory package (2022)
 - Informative Digest
 - Initial Statement of Reasons
 - Regulation Text
 - Fiscal Impacts
- Enter regular rulemaking process (2023)
 - Publish Notice of Proposed Action
 - Public comment period
 - Public hearing
 - Board adoption & CEQA

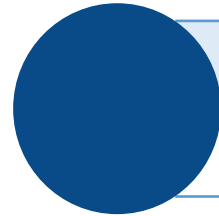
AB 574 Timeline



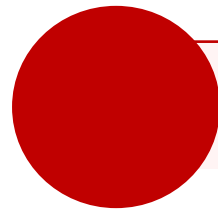
Complete DPR Research
HSC 57004 Peer Review
Convene Expert Panel



Obtain Expert Panel findings
Develop Regulatory Package



Begin Regular Rulemaking Process under APA
Adopt regulations by December 31, 2023



Determine if 18-month deadline extension needed June 30, 2023

If deadline beyond 18 months is needed, consult with expert review panel and post findings per CWC 13561.2(a)(5) process June 30, 2024

For More Information

- Email us:

DDWrecycledwater@waterboards.ca.gov

- Visit the DPR website and subscribe to our e-mail list to receive news and updates:
 - https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/direct_potable_reuse.html