



NOTICE OF PUBLIC WORKSHOPS

Proposed Regulation R049-18

Bureau of Safe Drinking Water

Hosted by: Nevada Division of Environmental Protection, Bureau of Safe Drinking Water
901 South Stewart Street, Suite 4001, Carson City, NV 89701

Workshop Summary

Friday, May 18, 2018

Location: *NDEP, 2030 E. Flamingo Rd, Ste. 230
Red Rock Conference Room, Las Vegas, NV 89119*

Attendees: BSDW/SDW: My-Linh Nguyen, Art Marr, Jim Balderson, Andy Asgarian,
Brendon Grant
LVVWD: Dianne Ocon, Omar Saucedo
Virgin Valley and Moapa Valley Water Districts: Warren Hardy

- Jim Balderson welcomed and thanked everyone for attending the Las Vegas workshop. Jim discussed public participation, the regulation amendment process, and how we got to where we are today. Jim went over the State Environmental Commissions (SEC) webpage, and stated that the SEC Hearing is scheduled for June 27, 2018. Jim asked that any comments or suggestions regarding this Workshop be sent to him by May 25, 2018.
- Brendon Grant discussed the proposed changes to amendments to definitions to NAC 445A, distribution system definition-NAC 445A.65845, service connection definition-NAC 445A.66375, sewer main definition-NAC 445A.66395, amendments to time requirements for project commencement-approval of water project- NAC 445A.6671, NAC 445A.5403, the amendments to lead-free and compatibility with drinking water-NAC 445A.66085, NAC 445A.65825, amendments to adopted reference and standards for design and construction were discussed-NAC 445A.6663, NAC 445A.66685, amendments to cross-connections to backflow regulations-NAC 445A.6719, NAC 445A.67215.
- Jim Balderson discussed the proposed amendments to separation of utilities-NAC 445A.67105, separation of lines- NAC 445A.6715, sewer main parallel to water main or water service lateral-NAC 445A.67155, sewer service lateral parallel to water main or water service lateral-NAC 445A.6716, sewer main crossing water main-NAC 445A.67165, sewer main crossing water service lateral-NAC 445A.6717, sewer service lateral crossing water main or water service lateral- NAC 445A.67175, requirements for “area of special construction”-NAC 445A.67185, proposed mitigation guidance for areas of special construction for water and sewer separation.



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- Art Marr discussed the proposed mitigation guidance and the example with the horizontal separation-sewer parallel to water main and water service lateral-445A.67155 and NAC 445A.6716, vertical crossing conflict sewer main crossing water main- NAC 445A67165 or water service lateral-NAC 445A.6717, vertical crossing conflict sewer service lateral crossing water main or water service lateral-NAC 445A.67175.
- My-linh went over what they were trying to demonstrate is what language is said and what it means graphically.

The following are questions, answers, and comments at the end of the Workshop Presentation:

- Question 1- Asked if these are the regulations moving forward?
- Answer 1- Answered that is the issue, we are still in negotiations with the LCB drafter. We are still hung up on a few things. They will try to get us a draft version by Tuesday, May 22nd.
- Question 2- Asked if they are federal or statutory conflicts?
- Answer 2- Answered yes, they are statutory.
- Question 3- Asked is this a better document for them to review in terms of where we are to date?
- Answer 3- Answered yes, it is a better document to review.
- Comment 1- Wanted to thank everyone who working on the regulations and for being sensitive to their issues.
- Comment 2- Wanted to express thanks for being responsive and for being open for suggestions.



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Workshop Summary

Friday, June 8, 2018

1:00 pm to 3:00 pm

Locations:

Tahoe Conference Room, Second floor, NDEP, 901 S. Stewart St., Carson City, NV 89701

Red Rock Conference Room, NDEP Las Vegas Office, 2030 E. Flamingo Road, Ste. 230, Las Vegas, NV 89119 (by webconference)

Carson City Attendees:

- Nevada Division of Environmental Protection (NDEP)/Bureau of Safe Drinking Water (BSDW): My-Linh Nguyen, Art Marr, Jim Balderson, Andy Asgarian, Brendon Grant, Jennifer Carr, Andrea Seifert, Rachel Weingart
- ARM Services: Antonio Mendive
- Carson City Public Works: Tom Grundy
- Reno Tahoe Construction: Fred Reeder
- Lumos and Associates: Tim Russell
- Wood Rodgers: Steve Strickland
- Truckee Meadows Water Authority (TMWA): Tiffany Anderson, Danny Rotter
- Atkins: Mary Carr
- City of Reno: Kerrie Kosk, Charla Honey
- Builders Association of Northern Nevada (BANN): Don Tatro
- Association of General Contractors (AGC): Alexis Motarex
- Day Engineering: Martin Ugalde
- Washoe County Water Resources: Timothy Simpson
- Washoe County Health District (WCHD): Chad Westom
- Resource Concepts, Inc. (RCI): Lynn Zorge
- McDonald Carrano: Tyson Falk

Las Vegas Attendees:

- Nevada Division of Environmental Protection (NDEP)/Bureau of Safe Drinking Water: Andy Asgarian
- Clark County Water Reclamation District (CCWRD): Tim Gibson
- Nevada Department of Transportation (NDOT): Susan Gibson
- Las Vegas Valley Water District (LVVWD): Omar Saucedo, Doa Meade
- Atkins: Heidi Dexheimer



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Call-Ins: None

- Jim Balderson welcomed and thanked everyone for attending the Carson City workshop. Jim asked that everyone introduce themselves around the room and via webconference in Las Vegas. Jim discussed the public participation process, the regulation amendment process, and how we got to where we are today. Jim went over the State Environmental Commissions (SEC) webpage, and stated that the SEC Hearing is scheduled for June 27th, 2018. Jim asked that any comments or suggestions regarding this Workshop be sent to him by June 15th, 2018 to be considered for the SEC presentation; however, NDEP/BSDW will continue to accept comments up to the date of the SEC Hearing.
- Brendon Grant reviewed the proposed amendments to definitions to NAC 445A: distribution system definition-NAC 445A.65845, service connection definition-NAC 445A.66375, sewer main definition-NAC 445A.66395, lead free definition-NAC 445A.66085, amendments to time requirements for project commencement/approval of water project- NAC 445A.6671, NAC 445A.5403, and provisions for clarifications in new sections:
 - Section 2-standard 61 requirements;
 - Section 3-catch basin or manhole in separation distance requirement;
 - Section 4- fire hydrants and backflow prevention requirement.
- My-Linh Nguyen discussed the proposed amendments and updates to NAC 445A.6663: adoption of standards and publications by reference; NAC 445A.66685: standards for design and construction; and NAC 445A.6719: assemblies for prevention of backflow.
- Art Marr discussed the proposed modifications for separation requirements in NAC 445A 67155 to NAC445A.6717 and the draft proposed Guidance for Areas Requiring Mitigation for Water and Sewer Separation.

The following were questions and answers during the Workshop Presentation:

- Question 1- How will an engineer know where to find the guidance document?
- Answer 1 (from NDEP) - Legally the guidance document cannot be adopted by reference in the NAC. A link to the document will be posted on the website, distributed to licensed professional engineers in the State of Nevada, and a reference



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to the guidance document would be included in the Application for Approval of a Water Project.

- Question 2: Can NDEP add reference to the BSDW website where the guidance for modifications would be available in the NAC?
- Answer 2 (from NDEP): It is a possibility that NDEP can suggest adding the reference to the website in the NAC. It is something that needs to be discussed with the Legislative Counsel Bureau (LCB).
- Comment: It was indicated that NDEP cannot legally adopt by reference guidance it has created, the commenter suggested that S. Nevada adopt the guidance and NDEP adopt the guidance from S. Nevada.
- NDEP and others commented that if S. Nevada wants to adopt the guidance document, it would only apply to S. Nevada region.
- Comment: There is a concern that the review engineer can still deny a project that references the guidance document. A water project using options in the guidance can still be denied since it is not adopted in the regulations; however, every agency that participated in the Engineering Review Workgroup has had input in drafting the guidance document and decided what goes in the document.
- Question 3: Is the intent of restrained joints to be used on SDR 35 sewer pipe? (reference to NAC 445A.67155??)
- Answer 3 (from NDEP): Yes.
- NDEP Comment: The guidance document is intended to be a living document. As technologies evolve, different mitigation measures may be added or removed from the document. NDEP is committed to continue working with the stakeholder workgroup to update the document as new technologies and materials become available.
- Question 4: Why is water quality pipe going to be required manhole to manhole?
- Answer 4 (from NDEP): At this time we are not sure of the integrity of connection of two different pipe materials i.e. RCP to C900. Water quality pipe from manhole to manhole is not a requirement; however, it is a mitigation option.



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- Comment: Sewer above water will always require mitigation. The graphic in the guidance suggests that it may be ok to have sewer over water.
- NDEP response: Sewer over water will always require mitigation (noted on page ii of the guidance). Therefore, graphics will be updated and guidance may need to be clarified.
- Question 5: New reuse regulation (approved in December 2016) allow for the potential use of treated treating effluent as indirect potable reuse with the new Category A+ . When is treated Category A+ effluent, considered potable water and what will the separation distance of lines be?
- Answer 5 (from NDEP): The class A+ treated effluent is not considered potable until it has been passed through an environmental buffer (aquifer storage/transport) for additional polishing and treatment (prior to entering a drinking water distribution system). If the water in the line is not drinkable, the same separation requirements/mitigations for water and sewer lines apply.