



# Bureau of Safe Drinking Water (BSDW)

*June 11, 2020*

*Carson City, NV via LifeSize*

**LCB File #R050-20**  
**Engineering Submittals to BSDW**



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**Rick Perdomo**  
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# Agenda

- 1) Introductions
- 2) Ways to participate and Public Comment
- 3) Review how regulations are created/revised and the State Environmental Commission (SEC)
- 4) Wet, electronic, and digital signatures
- 5) Current regulations
- 6) Proposed regulation
- 7) Public comment and questions
- 8) End of workshop



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# BSDW Staff

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# Public Participation

- **Ways to Participate and Comment**
  - Questions and Comments: today
  - June 18, 2020 for NDEP consideration & inclusion in testimony to SEC
    - Written Comments by letter:  
Nevada Division of Environmental Protection  
Bureau of Safe Drinking Water  
901 South Stewart Street, Suite 4001  
Carson City, NV 89701
    - E-mail or call us with your Comments
  - SEC Hearing on July 1, 2020



# How Environmental Rules are Made

1. The state agency (NDEP) drafts a regulatory petition
2. **The agency hosts a public workshop**
3. The petition is reviewed by the SEC and public comment is solicited.
4. The SEC votes on the petition at a regulatory meeting on July 1, 2020
5. The Legislative Commission reviews the rule for possible approval
6. The petition becomes law

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# State Environmental Commission (SEC)

<https://sec.nv.gov/about-us/>

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## About Us

*We're Nevada's deciding body for rules, actions, and programs that affect the quality of the environment*

Since its creation in 1973 by the Nevada Legislature, the State Environmental Commission has overseen rules designed to protect Nevada's air, land, and water. We work like a judiciary for the environment and the communities it supports. Agencies, organizations, and individuals confer with us on rules and government actions. We then make evidence-based decisions to make sure Nevada's environmental laws are realized without fail and that decisions made by the [Nevada Division of Environmental Protection](#) (NDEP) follow the law.



### 1. We Make Rules

Environmental regulations define how state programs approach their mission to protect the environment. We review and vote on "regulatory petitions" created by NDEP. They often concern items such as pollution standards, environmental permits, or how federal rules apply to Nevada.

[Environmental Rulemaking](#)

Hearings & Meetings

About Us

- SEC Commissioners and Staff
- Environmental Rulemaking

Participate

Contact Us

Office Phone  
(775) 687-4670

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[vking@ndep.nv.gov](mailto:vking@ndep.nv.gov)



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# Wet Signature

## Electronic Signature

## Digital Signature

- **Wet signature:** an engineer picks up a pen and physically inks his or her signature on the plan sheet or document.
- **Electronic Signature:** an image of an engineer's signature added to a plan sheet or document.
- **Digital Signature:** an encrypted signature that allows the receiver of plans or documents to verify the identity of the sender.



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# Current Regulations

- **NAC 445A.54032 Preparation by engineer of plans, specifications and design reports for facility. (NRS 445A.860)** All initial and final plans, specifications and design reports for a facility to treat groundwater must be prepared by, or under the direct supervision of, an engineer. **The engineer shall affix his or her signature, the applicable date and his or her wet seal or stamp to each sheet of those plans and to each title page for those specifications and design reports** in accordance with NAC 625.610, 625.611 and 625.612. (Added to NAC by Environmental Comm'n by R126-05, eff. 10-31-2005)
- **NAC 445A.66705 Preparation of plans, specifications and design reports for water project: Duties of engineer. (NRS 445A.860)** All initial and final plans, specifications and design reports for a water project must be prepared by, or under the direct supervision of, an engineer. **The engineer shall affix his or her signature, the applicable date and his or her wet seal or stamp to each sheet of those plans and to each title page for those specifications and design reports.** (Added to NAC by Bd. of Health, eff. 2-20-97)





# Current Procedure to Submit to BSDW

- BSDW requirements for engineering submittals
  - Two wet stamped copies
  - PDF copy

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# Proposed NAC 445A Regulations

- **445A.54032** *In accordance with the provisions of NAC 625.610 to 625.613, inclusive:*
  1. All initial and final plans, specifications and design reports for a facility to treat groundwater must be prepared by, or under the direct supervision of, an engineer [-.] ; and
  2. The engineer shall [affix] add his or her signature, the applicable date and his or her [wet] seal or stamp to ~~[each sheet of those]~~ the plans , ~~[and to each title page for those]~~ specifications and design reports ~~[in accordance with NAC 625.610, 625.611 and 625.612.]~~ prepared pursuant to subsection 1.
- **445A.66705** *In accordance with the provisions of NAC 625.610 to 625.613, inclusive:*
  1. All initial and final plans, specifications and design reports for a water project must be prepared by, or under the direct supervision of, an engineer [-.] ; and
  2. The engineer shall [affix] add his or her signature, the applicable date and his or her [wet] seal or stamp to ~~[each sheet of those]~~ the plans , ~~[and to each title page for those]~~ specifications and design reports [-.] prepared pursuant to subsection 1.

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# NAC 625 Regulations

- NAC 625.610
  4. Each licensee shall validate a stamp or seal by ~~[signing]~~ *adding* his or her ~~[name]~~ *signature* legibly ~~[in opaque ink]~~ across the face of the impression made by the stamp or seal . ~~[-entering]~~ *The licensee shall also include* the date of stamping or sealing and , *if the stamp or seal does not include* the date of expiration of his or her license, ~~[unless such information is included in a stamp or seal pursuant to subsection 3.]~~ *the date of expiration.* The name of the licensee, the particular discipline in which the licensee is licensed and the license number of the licensee must be legible. Except as otherwise provided in NRS 427A.755, the licensee may not use a stamp to produce his or her signature.

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# NAC 625 Regulations Cont.

- NAC 625.610 continued
  10. A licensee with responsible charge of the work contained in a document described in subsection 8 may have an electronically prepared seal and *digital* signature applied to such a document which is electronically submitted, released or issued only if:
    - (a) The files containing the document are locked electronically to prevent any changes to the document;
    - (b) Secure encryption methods are in place to prevent the copying, transferring or removing of the seal and *digital* signature and to prevent changes to any electronic drawings after the document is submitted, released or issued; *and*
    - (c) ~~[The electronic signature is applied by the licensee in responsible charge of the work; and (d)]~~ The licensee believes adequate protections are in place to prevent fraud or misuse of the ~~[electronic]~~ digital signature.



# NAC 625 Regulations Cont.

- NAC 625.611
  - 2. If the plans or maps submitted to a public authority are:
    - (a) Original plans or maps, **each sheet of the plans or maps must be dated, stamped and signed by each licensee who had responsible charge of the work indicated on the sheet.** If the licensee is a licensed professional engineer, the licensee must date, stamp and sign the plans for each discipline of engineering for which the licensee is licensed that is related to the work for which the licensee is responsible.
    - (b) Copies of the original plans, **the cover sheet and the first sheet for each discipline of engineering of the plans must be dated and stamped and include an original signature of the licensee who had responsible charge of the work indicated on the sheet.**
    - (c) Copies of original plans or maps **which have not been dated, stamped and signed, each sheet of the plans or maps must be dated, stamped and signed by each licensee who had responsible charge of the work indicated on the sheet.** If the licensee is a licensed professional engineer, the licensee must date, stamp and sign the plans for each discipline of engineering for which the licensee is licensed that is related to the work for which the licensee is responsible.

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# NAC 625 Regulations Cont.

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- NAC 625.611 Continued
  3. Each set of specifications submitted to a public authority must include a table of contents or cover sheet that:
    - (a) Indicates the discipline of engineering that is the source of each specification; and
    - (b) Contains the stamp of, and is signed and dated by, each licensee who had responsible charge of that discipline.**





# Options for Engineers Submitting Plans to BSDW Once Regulations Are Approved

- **One original plan set** with a wet stamp **OR** electronic stamp, date and wet signature on each sheet (Record Copy). **One copy of the original plan set** that has a wet stamp **OR** electronic stamp, date, and wet signature on the cover sheet and the first sheet of each discipline (Working Copy).
- Clarification on signing and submitting projects to government agencies can be found in the February 2019 Newsletter from the Nevada Board of Engineering and Land Surveyors under "First, Let's Talk About Signatures...." And "Next, Let's Talk About Submittals....."

<https://nvbpels.org/newsletter/the-nevada-connection-february-2019-1>

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# Options for Engineers Submitting Plans Once BSDW Has Ability to Accept Electronically

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- **One original electronic plan set** with a locked seal, date, and digital signature on each sheet (Record Copy). **One copy of the original plan set** that has a wet stamp **OR** electronic stamp, date, and wet signature on the cover sheet and the first sheet of each discipline (Working Copy).
- Clarification on signing and submitting projects to government agencies can be found in the February 2019 Newsletter from the Nevada Board of Engineering and Land Surveyors under "First, Let's Talk About Signatures...." And "Next, Let's Talk About Submittals....."

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# Questions/Comments



## Contact:

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