



Code Amendment Proposal Application

Department of Consumer & Business Services

Building Codes Division

1535 Edgewater NW, Salem, Oregon

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Oregon.gov/bcd

Read the entire code amendment proposal application before completing this form. Please complete all parts before submitting your proposal and refer to the provided checklist.

APPLICANT INFORMATION

Name: Mike Ditty		Date: October 24, 2022
Representing (if applicable): Self		Work phone: 503-570-1664
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PROPOSAL INFORMATION

Specialty code: OPSC 2021
Code section(s): 710.4
Briefly explain the subject of your proposal: This code change proposal would clarify requirements for fittings in sewage ejector lines.

INSTRUCTIONS AND CHECKLIST

Fill in all the information above and submit this page, signed and dated, with the required supplementary information for Parts I, II, III, and IV described on page 2 of this application. This application may be submitted by mail to the mailing address above, or by email to BCD.PTSPtech@oregon.gov.

Summary checklist for the applicant:

- Part I** Code amendment language is attached in the proper format.
- Part II** Amendment proposal requirements for amending the code have been reviewed.
- Part III** Amendment proposal criteria questions have been answered and are attached.
- Part IV** If applicable, additional ORSC energy efficiency amendment proposal information is attached.

Note: One application is required for each code section you are proposing to amend. If this proposal requires changes in other sections of the code for alignment, include those changes as part of this application.

APPLICANT SIGNATURE

Signature:

Date:

Copyright notice: By signing this Code Amendment Proposal Application, I understand and acknowledge that the work contained in this application is original, or if not original, I have the right to copy the work. By signing this work, I understand that any rights I may have in this work, including any form of derivative works and compilations, are assigned to the Department of Consumer and Business Services Building Codes Division. I also understand that I do not retain or acquire any rights once this work is used in a Department of Consumer and Business Services Building Codes Division publication.

710.4 Discharge Line. The discharge line from such ejector, pump, or another mechanical device shall be of approved pressure rated material and be provided with an accessible backwater or swing check valve and gate or ball valve. Fittings shall be a fullway type, shall not restrict flow, and be approved for use with the pressure discharge piping. Where the gravity drainage line to which such discharge line connects is horizontal, the method of connection shall be from the top through a wye branch fitting. The gate or ball valve shall be located on the discharge side of the backwater or check valve.

Gate or ball valves, where installed in drainage piping, shall be fullway type with working parts of corrosion-resistant metal. Sizes 4 inches (100 mm) or more in diameter shall have cast-iron bodies and sizes less than 4 inches (100 mm), cast-iron or copper alloy bodies.

Proposal

1. Describe the concept and purpose of this proposal.

The code change in 2017 that required the use of 'pressure-rated' material for the discharge line from an ejector did not clearly identify the requirements for fittings. This proposal will bring a better understanding of requirements for fittings.

One problem we have had is that for example, someone that wants to use PEX tubing for the discharge piping. What fittings are to be used for cleanouts? The pipe and fittings must be compatible and be able to provide for code requirements.

2. What problem in the existing Oregon code or national model code is this proposal solving? How does this amendment address the issue? If you have evidence demonstrating the problem, submit that information

This proposal will bring better clarification to code section 710.

3. Has this been proposed at the national model code level. If so, explain when it was proposed, what happened, and why it was not adopted. Provide all associated national model code hearing information and background.

Unknown

Implementation and fiscal impact

1. Explain how the proposed provisions would be enforced? Are additional inspections or permits required?

Enforcement in the usual manner through jurisdictional authority

Describe any necessary equipment, training, tests or special certifications.

No new requirement other than code change class

2. What is the fiscal impact of this proposal? Provide a cost benefit analysis and include the resources or methods you used to determine the fiscal impact.

This would reduce the cost of underfloor plumbing. Additional pipe, fittings, supports and the labor to install them would be reduced.

Impacted stakeholders and other specialty codes

1. It is important that proposals be shared with stakeholders that will be impacted by them. Was this proposal developed with people or organizations likely to be affected by it? Has it been reviewed or shared with people or organizations likely to be affected by it? If so, who, and if not, why not?

It is not known by the submitter if others have attempted to submit any proposal. To this proposer's knowledge there are no stakeholders that will be 'singled out' but this

code change. I would guess the Oregon Homebuilders Assoc. would appreciate a cheaper plumbing system.

2. Does this proposal impact other specialty codes or statewide programs?

No.