

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
PO Box 44410
Olympia WA 98504-4410



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-5270

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Please review the following instructions before completing this form.

- In accordance with [WAC 296-104-018](#), the Board of Boiler Rules will consider written requests for interpretation and revisions of the definitions, rules, and regulations found in [WAC 296-104](#) of The State of Washington Boiler and Unfired Pressure Vessel Laws.
- Inquiries are limited to requests for interpretation of the rules or to propose revisions to the existing rules.
- Interpretation requests will be brought to the board according to [RCW 70.79.361](#).
- For board consideration, the form must be submitted **45 days prior to the Board of Boiler Rules meeting date**.

How to submit this form:

Email requests to:

Anthony.Oda@Lni.wa.gov.

Mail requests via United States Postal Service:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
PO Box 44410
Olympia WA 98504-4410

Mail requests via UPS or FedEx:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
7273 Linderson Way SW
Tumwater WA 98501-5414



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-5270

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Submitter Information:

Name Mike Carlson	Date March 12, 2019	
Company Name Department of Labor & Industries		
Company Address 7273 Linderson Way SW, Tumwater, WA 98501		
Email Address Camx235235@Lni.wa.gov	Phone Number 360-902-4983	Fax Number 360-902-5292

Requested Information:

1. **Scope** - Identify a single rule or closely related rules that are in dispute. The rule number and the date of the rule should be clearly identified.

WAC 296-104-301

2. **Background** - State the purpose of the inquiry, which should be either to obtain an interpretation or to propose a revision to existing rules. Provide concise information needed for the board's understanding of the inquiry, including references to the WAC section as well as other code and/or standards paragraphs.

WAC 296-104-301

Installation—What control and limit devices are required on automatically fired boilers after June 1989?

In addition to those requirements listed in WAC [296-104-300](#), the following are also required:

(1) All boilers that are automatically fired low pressure steam heating boilers, small power boilers, and power steam boilers without a constant attendant who has no other duties shall be equipped with:

(a) Two high steam pressure limit controls, the highest of which shall be provided with a manual reset.

(b) Two low-water fuel cutoffs, one of which shall be provided with a manual reset device and independent of the feed water controller.

(c) Coil type flash steam boilers may use two high-temperature limit controls, one of which shall have a manual reset. This is instead of the low-water fuel cutoff.

(d) All control and limit devices shall be independently connected and electrically wired in series.

(2) All automatically fired hot water supply, low-pressure hot water heating boilers, and power hot water boilers shall be equipped with:

(a) Two high-temperature limit controls, the highest of which shall be provided with a manual reset.

(b) One low-water fuel cutoff with a manual reset and independent of the feed water controller.

(c) For coil type hot water boilers a low-water flow limit control installed in the circulating water line may be used instead of a low-water fuel cutoff.

(d) All control and limit devices shall be independently connected and electrically wired in series.

The department wants to clean up and put in logical sequence control requirements for boilers in the 300 WAC series. Currently power boilers and low-pressure boilers are combined in the series. We would

like to split them out for inspectors and installers of boilers. WAC 296-102-301 would be for power boilers. This chapter would cover all the requirements just for power boilers.

3. **Inquiry Structure** - Provide statements in a condensed and precise question format and, where appropriate, compose in such a way that "yes" or "no" (perhaps with provisos) would be an acceptable reply.

The Department would like to propose the following changes. Will the board accept this proposed change?

4. **Proposed Reply** - State what is believed the rule requires. If in the inquirer's opinion a revision to the definitions, rules, and regulations is needed, recommended wording should be provided.

WAC 296-104-301

Installation—What control and limit devices are required on automatically fired boilers after June 1989?

~~In addition to those requirements listed in WAC 296-104-300, the following are also required:~~

- ~~(1) All boilers that are automatically fired low pressure steam heating boilers, small power boilers, and power steam boilers without a constant attendant who has no other duties shall be equipped with:~~
- ~~(a) Two high steam pressure limit controls, the highest of which shall be provided with a manual reset.~~
 - ~~(b) Two low water fuel cutoffs, one of which shall be provided with a manual reset device and independent of the feed water controller.~~
 - ~~(c) Coil type flash steam boilers may use two high temperature limit controls, one of which shall have a manual reset. This is instead of the low water fuel cutoff.~~
 - ~~(d) All control and limit devices shall be independently connected and electrically wired in series.~~
- ~~(2) All automatically fired hot water supply, low pressure hot water heating boilers, and power hot water boilers shall be equipped with:~~
- ~~(a) Two high temperature limit controls, the highest of which shall be provided with a manual reset.~~
 - ~~(b) One low water fuel cutoff with a manual reset and independent of the feed water controller.~~
 - ~~(c) For coil type hot water boilers a low water flow limit control installed in the circulating water line may be used instead of a low water fuel cutoff.~~
 - ~~(d) All control and limit devices shall be independently connected and electrically wired in series.~~

WAC 296-104-301

Installation – What control and limit devices are required on automatically fired Power boilers after June 1989?

In addition to those requirements listed in WAC 296-104-300, the following are also required:

- (1) All steam power boilers shall be equipped with:
- (a) Two high steam pressure limit controls, the highest of which shall be provided with a manual reset.
 - (b) Two low-water fuel cutoffs, one of which shall be provided with a manual reset device and independent of the feed water controller.

(2) Coil type flash steam boilers may use two high-temperature limit controls, one of which shall have a manual reset. This is instead of the low-water fuel cutoffs.

(3) All high temperature water (greater than 250F) power boilers shall be equipped with:

(a) Two high temperature limit controls, the highest of which shall be provided with a manual reset.

(b) Two low-water fuel cutoffs, one of which shall be provided with a manual reset device and independent of the feed water controller.

(4) All controls and limit devices shall be ~~readily~~ tested or verified by ~~other means as acceptable by~~ the jurisdiction.

(5) For installations after December 2004 -All automatically fired boilers with input greater than 400,000 Btu/hr, including electric boilers with input greater than 117 kW, shall have a manually operated remote shutdown switch or circuit breaker. When an existing remote shutdown switch exists, all boilers may be connected to the existing switch to allow for the remote shutdown of all boilers in the room. When an additional boiler is added to the room where an existing remote shutdown switch does not exist, all boilers meeting the input requirements should be added to the new remote shutdown switch. Activation of the emergency shutdown switch or circuit breaker shall immediately shut off the fuel or energy supply and initiate the boiler shutdown sequence in accordance with manufacturer's recommendations where applicable. The shutdown switch should be located just outside the boiler room door and marked for easy identification. Consideration should be given to the type and location of the switch to safeguard against tampering. If the boiler room door is on the building exterior, the switch should be located just inside the door. If there is more than one door to the boiler room, there should be a switch located at each door.

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
PO Box 44410
Olympia WA 98504-4410



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-5270

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Please review the following instructions before completing this form.

- In accordance with [WAC 296-104-018](#), the Board of Boiler Rules will consider written requests for interpretation and revisions of the definitions, rules, and regulations found in [WAC 296-104](#) of The State of Washington Boiler and Unfired Pressure Vessel Laws.
- Inquiries are limited to requests for interpretation of the rules or to propose revisions to the existing rules.
- Interpretation requests will be brought to the board according to [RCW 70.79.361](#).
- For board consideration, the form must be submitted **45 days prior to the Board of Boiler Rules meeting date**.

How to submit this form:

Email requests to:

Anthony.Oda@Lni.wa.gov.

Mail requests via United States Postal Service:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
PO Box 44410
Olympia WA 98504-4410

Mail requests via UPS or FedEx:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
7273 Linderson Way SW
Tumwater WA 98501-5414



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-5270

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Submitter Information:

Name Mike Carlson	Date March 12, 2019	
Company Name Department of Labor & Industries		
Company Address 7273 Linderson Way SW, Tumwater, WA 98501		
Email Address camx235@Lni.wa.gov	Phone Number 360-902-4983	Fax Number 360-902-5292

Requested Information:

1. **Scope** - Identify a single rule or closely related rules that are in dispute. The rule number and the date of the rule should be clearly identified.

WAC 296-104-302

Installation—What fuel controls are required on automatically fired boilers after December 1998?

In addition to those requirements listed in WAC [296-104-301](#), the following are also required with regard to installations or refits of gas, oil, or combinations of gas or oil:

(1) All boilers installed or refitted after December 1998, shall be equipped with suitable primary (flame safeguards) safety controls, safety limit switches, and burners or electrical elements as required by a nationally or internationally recognized standard.

(2) The symbol of the certifying organization that has investigated such equipment as having complied with a nationally or internationally recognized standard shall be affixed to the equipment and shall be considered evidence that the unit was manufactured in accordance with that standard. A certifying organization is one that provides uniform testing, examination, and listing procedures under established, nationally or internationally recognized standards, and that is acceptable to the authorities having jurisdiction.

(3) These devices shall be installed in accordance with jurisdictional requirements, manufacturer's recommendations, and/or industry standards as applicable.

2. **Background** - State the purpose of the inquiry, which should be either to obtain an interpretation or to propose a revision to existing rules. Provide concise information needed for the board's understanding of the inquiry, including references to the WAC section as well as other code and/or standards paragraphs.

The department wants to clean up and put in logical sequence control requirements for boilers in the 300 WAC series. Currently power boilers and low-pressure boilers are combined in the series. We would like to split them out for inspectors and installers of boilers. WAC 296-102-302 would be for heating boilers and HLW potable-water heaters. This chapter would cover all the control requirements just for heating boilers and HLW potable-water heaters.

3. **Inquiry Structure** - Provide statements in a condensed and precise question format and, where appropriate, compose in such a way that "yes" or "no" (perhaps with provisos) would be an acceptable reply.

The Department would like to propose the following changes to WAC 296-104-302. Will the board accept this proposed change?

4. **Proposed Reply** - State what is believed the rule requires. If in the inquirer's opinion a revision to the definitions, rules, and regulations is needed, recommended wording should be provided.

WAC 296-104-302

~~Installation—What fuel controls are required on automatically fired boilers after December 1998?~~

~~In addition to those requirements listed in WAC 296-104-301, the following are also required with regard to installations or refits of gas, oil, or combinations of gas or oil:~~

~~(1) All boilers installed or refitted after December 1998, shall be equipped with suitable primary (flame safeguards) safety controls, safety limit switches, and burners or electrical elements as required by a nationally or internationally recognized standard.~~

~~(2) The symbol of the certifying organization that has investigated such equipment as having complied with a nationally or internationally recognized standard shall be affixed to the equipment and shall be considered evidence that the unit was manufactured in accordance with that standard. A certifying organization is one that provides uniform testing, examination, and listing procedures under established, nationally or internationally recognized standards, and that is acceptable to the authorities having jurisdiction.~~

~~(3) These devices shall be installed in accordance with jurisdictional requirements, manufacturer's recommendations, and/or industry standards as applicable.~~

Installation—What control and limit devices are required on automatically fired hot water heating , hot water supply boilers, coil type hot water heating boilers, low pressure steam boilers, and HLW potable-water heaters after June 1989? In addition to those requirements listed in WAC 296-104-300, the following are also required:

1. All automatically fired hot water heating, hot water supply boilers shall be equipped with:
 - a. Two high temperature limit controls, the highest of which shall be provided with a manual reset when heat input is greater than 400,000 BTU/HR(117 kW)
 - b. One low--water fuel cutoff with a manual reset device and independent of the feed water controller.
 - c. For installations after December 2004, a A means shall be provided for testing the operation of hot water heating boiler low-water fuel cutoff(s) without resorting to draining the entire system. Such means shall not render the device(s) inoperable. If the means temporarily isolates the device from the boiler during testing, it shall automatically return to its normal position.
2. For coil type hot water boilers **with heat input greater than 400,000 BTU/HR/(117 kW)** a low-water flow limit control installed in the circulating water line may be used instead of a low-water fuel cutoff **when forced circulation is required to prevent overheating of the tubes.**
3. Automatically fired low pressure steam boilers shall be equipped with:
 - a. Two high steam pressure limit controls, the highest of which shall be provided with a manual reset.

- b. Two low--water fuel cutoffs, one of which shall be provided with a manual reset device and independent of the feed water controller.
- 4. ~~HLW pPotable wWater hHeaters:~~
 - a. ~~Two temperature limit controls, one being a high limit temperature control that will automatically cut off the fuel supply.~~
 - ~~a.b. Heaters with input greater than 400,000 BTU (117kW) installed after January 1, 2018 shall comply with all items in number 6 below.~~
- 5. All controls and limit devices shall be ~~readily tested or verified by other means as acceptable by the jurisdiction.~~ readily tested or verified by other means as acceptable by the jurisdiction.
- 6. For installations after December 2004 -All automatically fired boilers with input greater than 400,000 Btu/hr, including electric boilers with input greater than 117 kW, shall have a manually operated remote shutdown switch or circuit breaker. ~~This includes HLW potable water heaters with heat input greater than 400,000 BTU/HR/(117 kW).~~ When an existing remote shutdown switch exists, all boilers may be connected to the existing switch to allow for the remote shutdown of all boilers in the room. When an additional boiler is added to the room where an existing remote shutdown switch does not exist, all boilers meeting the input requirements should be added to the new remote shutdown switch. Activation of the emergency shutdown switch or circuit breaker shall immediately shut off the fuel or energy supply and initiate the boiler shutdown sequence in accordance with manufacturer's recommendations where applicable. The shutdown switch should be located just outside the boiler room door and marked for easy identification. Consideration should be given to the type and location of the switch to safeguard against tampering. If the boiler room door is on the building exterior, the switch should be located just inside the door. If there is more than one door to the boiler room, there should be a switch located at each door.

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
PO Box 44410
Olympia WA 98504-4410



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-5270

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Please review the following instructions before completing this form.

- In accordance with [WAC 296-104-018](#), the Board of Boiler Rules will consider written requests for interpretation and revisions of the definitions, rules, and regulations found in [WAC 296-104](#) of The State of Washington Boiler and Unfired Pressure Vessel Laws.
- Inquiries are limited to requests for interpretation of the rules or to propose revisions to the existing rules.
- Interpretation requests will be brought to the board according to [RCW 70.79.361](#).
- For board consideration, the form must be submitted **45 days prior to the Board of Boiler Rules meeting date**.

How to submit this form:

Email requests to:

Anthony.Oda@Lni.wa.gov.

Mail requests via United States Postal Service:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
PO Box 44410
Olympia WA 98504-4410

Mail requests via UPS or FedEx:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
7273 Linderson Way SW
Tumwater WA 98501-5414



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-5270

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Submitter Information:

Name Mike Carlson	Date March 12, 2019	
Company Name Department of Labor & Industries		
Company Address 7273 Linderson Way SW, Tumwater, WA 98501		
Email Address camx235@Lni.wa.gov	Phone Number 360-902-4983	Fax Number 360-902-5292

Requested Information:

1. **Scope** - Identify a single rule or closely related rules that are in dispute. The rule number and the date of the rule should be clearly identified.

WAC 296-104-303

Installation—What control and limit devices are required on automatically fired boilers after December 2004?

In addition to those requirements listed in WAC [296-104-302](#), the following are also required with regard to installations or refits of gas, oil, or combinations of gas or oil:

(1) All automatically fired boilers with input greater than 400,000 Btu/hr, including electric boilers with input greater than 117 kW shall have a manually operated remote shutdown switch or circuit breaker. Activation of the emergency shutdown switch or circuit breaker shall immediately shut off the fuel or energy supply and initiate the boiler shutdown sequence in accordance with manufacturer's recommendations where applicable. The shutdown switch should be located just outside the boiler room door and marked for easy identification. Consideration should be given to the type and location of the switch to safeguard against tampering. If the boiler room door is on the building exterior, the switch should be located just inside the door. If there is more than one door to the boiler room, there should be a switch located at each door.

(2) A means shall be provided for testing the operation of hot water heating boiler low-water fuel cutoff(s) without resorting to draining the entire system. Such means shall not render the device(s) inoperable. If the means temporarily isolates the device from the boiler during testing, it shall automatically return to its normal position.

2. **Background** - State the purpose of the inquiry, which should be either to obtain an interpretation or to propose a revision to existing rules. Provide concise information needed for the board's understanding of the inquiry, including references to the WAC section as well as other code and/or standards paragraphs.

The department wants to clean up and put in logical sequence control requirements for boilers in the 300 WAC series. . Currently power boilers and low-pressure boilers are combined in the series. We would like to split them out for inspectors and installers of boilers. The current WAC 296-104-302 would be moved become the new WAC 296-104-303 of the series. This chapter would cover fuel controls installed after December 1998.

3. **Inquiry Structure** - Provide statements in a condensed and precise question format and, where appropriate, compose in such a way that "yes" or "no" (perhaps with provisos) would be an acceptable reply.

The Department would like to propose the following changes to WAC 296-104-303. Will the board accept this proposed change?

4. **Proposed Reply** - State what is believed the rule requires. If in the inquirer's opinion a revision to the definitions, rules, and regulations is needed, recommended wording should be provided.

~~WAC 296-104-303~~

~~Installation—What control and limit devices are required on automatically fired boilers after December 2004?~~

~~In addition to those requirements listed in WAC 296-104-302, the following are also required with regard to installations or refits of gas, oil, or combinations of gas or oil:~~

~~(1) All automatically fired boilers with input greater than 400,000 Btu/hr, including electric boilers with input greater than 117 kW shall have a manually operated remote shutdown switch or circuit breaker. Activation of the emergency shutdown switch or circuit breaker shall immediately shut off the fuel or energy supply and initiate the boiler shutdown sequence in accordance with manufacturer's recommendations where applicable. The shutdown switch should be located just outside the boiler room door and marked for easy identification. Consideration should be given to the type and location of the switch to safeguard against tampering. If the boiler room door is on the building exterior, the switch should be located just inside the door. If there is more than one door to the boiler room, there should be a switch located at each door.~~

~~(2) A means shall be provided for testing the operation of hot water heating boiler low water fuel cutoff(s) without resorting to draining the entire system. Such means shall not render the device(s) inoperable. If the means temporarily isolates the device from the boiler during testing, it shall automatically return to its normal position.~~

WAC 296-104-303

Installation—What fuel controls are required on automatically fired boilers after December 1998? In addition to those requirements listed in **WAC 296-104-301** and **WAC 296-104-302**, the following are required with regard to installations or retrofits of gas, oil, or combinations of gas or oil:

~~The following are also required with regard to installations or refits of gas, oil, or combinations of gas or oil:~~

(1) All boilers installed or refitted after December 1998, shall be equipped with suitable primary (flame safeguards) safety controls, safety limit switches, and burners or electrical elements as required by a nationally or internationally recognized standard.

(2) The symbol of the certifying organization that has investigated such equipment as having complied with a nationally or internationally recognized standard shall be affixed to the equipment and shall be considered evidence that the unit was manufactured in accordance with that standard. A certifying organization is one that provides uniform testing, examination, and listing procedures under established, nationally or internationally recognized standards, and that is acceptable to the authorities having jurisdiction.

(3) These devices shall be installed **and maintained** in accordance with jurisdictional requirements, manufacturer's recommendations, and/or industry standards as applicable.

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
PO Box 44410
Olympia WA 98504-4410



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-6400

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Please review the following instructions before completing this form.

- You need to complete the [Chief Inspector Clarification and Interpretation Request Form](#) before completing this form.
- The Board of Boiler Rules will consider written requests for interpretation and revisions to the definitions, rules, and regulations found in [WAC 296-104](#).
- Inquiries are limited to requests for interpretation of the rules or to propose revisions to the existing rules.
- Interpretation requests will be brought to the board according to [RCW 70.79.361](#).
- For board consideration, the form must be submitted **45 days prior to the Board of Boiler Rules meeting date**.

How to submit this form:

Email requests to:

Boiler@Lni.wa.gov.

Mail requests via United States Postal Service:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
PO Box 44410
Olympia WA 98504-4410

Mail requests via UPS or FedEx:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
7273 Linderson Way SW
Tumwater WA 98501-5414



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-6400
Fax: 360-902-5292
www.Lni.wa.gov/Boilers

Submitter Information:

Name Tony Oda	Date 03/08/2019	
Company Name L & I		
Company Address PO Box 44410, Olympia, WA 98504		
Email Address odaa235@lni.wa.gov	Phone Number 360-902-5270	Fax Number 360-902-5292

Requested Information:

1. **Scope** - Identify a single rule or closely related rules that are in dispute. The rule number and the date of the rule should be clearly identified.

WAC 296-104-503

Repairs—What are the requirements for nonnuclear boilers and unfired pressure vessel repairs and alterations?

Repairs and alterations to nonnuclear boilers and pressure vessels shall be made in accordance with the rules of the National Board Inspection Code (NBIC) as adopted in WAC [296-104-502\(1\)](#). Additionally, repairs and alterations to nonstandard boilers and pressure vessels, as addressed in WAC [296-104-215](#), must be authorized by the chief inspector.

Repairs and alterations may be made by an organization in possession of a valid Certificate of Authorization for use of the "R" symbol stamp, issued by the national board provided such repairs/alterations are within the scope of authorization.

Owner/user special inspectors may only accept repairs and alterations to boilers and unfired pressure vessels operated by their respective companies per RCW [70.79.130](#).

Documentation of repairs and alterations, in accordance with the requirements of the National Board Inspection Code (NBIC) as adopted in WAC [296-104-502\(1\)](#), shall be submitted to the department.

[Statutory Authority: RCW [70.79.030](#), [70.79.040](#), [70.79.150](#), [70.79.290](#), [70.79.330](#), and [70.79.350](#). WSR 08-24-072, § 296-104-503, filed 12/1/08, effective 1/1/09.]

2. **Background** - State the purpose of the inquiry, which should be either to obtain an interpretation or to propose a revision to existing rules. Provide concise information needed for the board's understanding of the inquiry, including references to the WAC section as well as other code and/or standards paragraphs.

For the past 12 years the department has required the following documents from any NB "R" Organization doing repairs/alterations in the state. This was accomplished by using a departmental memo. We would like to incorporate these requirements into this WAC revision since we have statewide acceptance for these requirements already. This would simplify communication for all NB "R" Organizations, NB "R" Endorsement Inspectors, and Inservice Inspectors by having these requirements in rule.

Please comply with the following three (3) requirements immediately, if you have not done so all ready.

1. Assign a current “Controlled Copy” of your Quality Control Manual to the “Chief Boiler/Pressure Vessel Inspector”, and mail this controlled copy to the mailing address listed above.
Many of you are already in compliance as controlled copies of your QC Manual were submitted shortly after your ASME/NB triennial review and are on file in the central office.

2. **National Board “R” Certificate Holders for Repairs and/or Alterations.** Please submit copies of the following documents for each repair/alteration completed on boilers/pressure vessels in service in this state.

a. A copy of the completed “R-1”(for Repairs, also for Routine Repairs) form or the completed “R-2” (for alterations) form.

b. A copy of the completed **Process Traveler or Checklist** signed off by qualified company QC personnel and the National Board Commissioned Inspector.

The completed applicable “R” form shall be signed (certified) by both the authorized company representative and the NB Commissioned Inspector and submitted to the jurisdiction within **30 days of completing the repair/alteration.**

Please send the completed repair/alteration documents (the applicable “R” form and the completed Process Traveler/Checklist only), to the address listed above. Failure to comply with this requirement may result in an audit of your National Board “R” QC system by the jurisdiction at your expense.

3. **Inquiry Structure** - Provide statements in a condensed and precise question format and, where appropriate, compose in such a way that "yes" or "no" (perhaps with provisos) would be an acceptable reply.

The department would like the Board of Boiler Rules to approve and adopt the revisions to this WAC as listed below.

4. **Proposed Reply** - State what is believed the rule requires. If in the inquirer's opinion a revision to the definitions, rules, and regulations is needed, recommended wording should be provided.

WAC 296-104-503

Repairs—What are the requirements for standard nonnuclear boilers and unfired pressure vessel repairs and alterations in Washington state?

All rRepairs and alterations to standard nonnuclear boilers and pressure vessels shall be made in accordance with the rules of the National Board Inspection Code (NBIC), Part 3 as adopted in WAC 296-104-502(1). ~~Additionally, repairs and alterations to nonstandard boilers and pressure vessels, as addressed in WAC 296-104-215, must be authorized by the chief inspector.~~

All rRepairs and alterations ~~shall may~~ be made by an organization in possession of a valid Certificate of Authorization for use of the National Board "R" symbol stamp. The National Board “R” symbol stamp organization shall comply with the following jurisdictional requirements:

1. Assign and submit a current “Controlled Copy” of their Quality Control Manual to jurisdiction prior to starting mechanical work in Washington.
2. Submit a completed copy of the “Process Traveler/Checklist” signed off by qualified company QC personnel and the National Board Commissioned Inspector with “R” Endorsement for each repair/alteration job within 45 days ~~45 days~~ of the completion of the physical work.

3. Submit a completed copy of the completed “**R-1**” (for Repairs, also for Routine Repairs) form or the completed “**R-2**” (for alterations) form within ~~45~~ 30 days of the completion of the physical work.

~~Owner/user special inspectors may only accept repairs and alterations to boilers and unfired pressure vessels operated by their respective companies per RCW 70.79.130.~~

~~Repairs and alterations to nonstandard boilers and pressure vessels, as addressed in WAC 296-104-215, must be authorized by the chief inspector.~~

~~Documentation of repairs and alterations, in accordance with the requirements of the National Board Inspection Code (NBIC) as adopted in WAC 296-104-502(1), shall be submitted to the department.~~

[Statutory Authority: RCW 70.79.030, 70.79.040, 70.79.150, 70.79.290, 70.79.330, and 70.79.350. WSR 08-24-072, § 296-104-503, filed 12/1/08, effective 1/1/09.]

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
PO Box 44410
Olympia WA 98504-4410



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-6400

Fax: 360-902-5292

www.Lni.wa.gov/Boilers

Please review the following instructions before completing this form.

- You need to complete the [Chief Inspector Clarification and Interpretation Request Form](#) before completing this form.
- The Board of Boiler Rules will consider written requests for interpretation and revisions to the definitions, rules, and regulations found in [WAC 296-104](#).
- Inquiries are limited to requests for interpretation of the rules or to propose revisions to the existing rules.
- Interpretation requests will be brought to the board according to [RCW 70.79.361](#).
- For board consideration, the form must be submitted **45 days prior to the Board of Boiler Rules meeting date**.

How to submit this form:

Email requests to:

Boiler@Lni.wa.gov.

Mail requests via United States Postal Service:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
PO Box 44410
Olympia WA 98504-4410

Mail requests via UPS or FedEx:

Department of Labor and Industries
Boiler/Unfired Pressure Vessel Program
Chief Boiler Inspector
7273 Linderson Way SW
Tumwater WA 98501-5414



Board of Boiler Rules Interpretation and Revision Request Form

Phone: 360-902-6400
Fax: 360-902-5292
www.Lni.wa.gov/Boilers

Submitter Information:

Name Tony Oda	Date August 1, 2019	
Company Name L & I		
Company Address PO Box 44410, Olympia, WA 98504		
Email Address odaa235@lni.wa.gov	Phone Number 360-902-5270	Fax Number 360-902-9252

Requested Information:

1. **Scope** - Identify a single rule or closely related rules that are in dispute. The rule number and the date of the rule should be clearly identified.

WAC 296-104-700

What are the inspection fees—Examination fees—Certificate fees—Expenses?

The following fees shall be paid by, or on behalf of, the owner or user upon the completion of the inspection. The inspection fees apply to inspections made by inspectors employed by the state.

2. **Background** - State the purpose of the inquiry, which should be either to obtain an interpretation or to propose a revision to existing rules. Provide concise information needed for the board's understanding of the inquiry, including references to the WAC section as well as other code and/or standards paragraphs.

The boiler program runs on a dedicated fund, and operating costs are covered solely by the fees we collect for providing safety inspection services for our stakeholders. Since the ability to raise fees was frozen for 4 years, the boiler fund balance has dropped precipitously and is approaching the minimum operating balance of 3 months X monthly operating expenses. The fee increase of 5.08% (OFM's maximum allowable fiscal growth rate) for fiscal year 2020 has been requested for approval.

3. **Inquiry Structure** - Provide statements in a condensed and precise question format and, where appropriate, compose in such a way that "yes" or "no" (perhaps with provisos) would be an acceptable reply.

The department would like the board to adopt the fee changes as listed in Item # 4 below.

4. **Proposed Reply** - State what is believed the rule requires. If in the inquirer's opinion a revision to the definitions, rules, and regulations is needed, recommended wording should be provided.

See attached.

WAC 296-104-700

What are the inspection fees—Examination fees—Certificate fees—Expenses?

The following fees shall be paid by, or on behalf of, the owner or user upon the completion of the inspection. The inspection fees apply to inspections made by inspectors employed by the state.

The boiler and pressure vessel installation/reinstallation permit fee of ~~\$59.01~~~~\$56.16~~ shall be paid by the installer, as defined in WAC 296-104-010.

Certificate of inspection fees: For objects inspected, the certificate of inspection fee per object is ~~\$25.46~~~~\$24.23~~.

Hot water heaters per RCW 70.79.090, inspection fee: ~~\$7.75~~~~\$7.38~~.

Heating boilers:	Internal	External
Cast iron—All sizes	\$40.87 <u>\$42.95</u>	\$32.65 <u>\$34.31</u>
All other boilers less than 500 sq. ft.	\$42.95 \$40.87	\$34.35 \$32.65
500 sq. ft. to 2500 sq. ft.	\$81.74 <u>\$85.94</u>	\$40.87 <u>\$42.95</u>
Each additional 2500 sq. ft. of total heating surface, or any portion thereof	\$32.65 <u>\$34.31</u>	\$16.01 <u>\$16.82</u>
Power boilers:	Internal	External
Less than 100 sq. ft.	\$42.95 \$40.87 <u>\$49.50</u>	\$32.65 \$34.31 <u>\$32.65</u> <u>\$34.31</u>
100 sq. ft. to less than 500 sq. ft.	\$52.01 <u>\$81.74</u>	\$40.87 <u>\$42.95</u>
500 sq. ft. to 2500 sq. ft.	\$85.94 <u>\$85.94</u>	\$42.95 <u>\$42.95</u>
Each additional 2500 sq. ft. of total heating surface, or any portion thereof	\$32.65 <u>\$34.31</u>	\$16.01 <u>\$16.82</u>
Pressure vessels:		
Square feet shall be determined by multiplying the length of the shell by its diameter.		
	Internal	External
Less than 15 sq. ft.	\$32.65 <u>\$34.31</u>	\$24.23 <u>\$25.46</u>
15 sq. ft. to less than 50 sq. ft.	\$48.46 <u>\$50.92</u>	\$24.23 <u>\$25.46</u>
50 sq. ft. to 100 sq. ft.	\$56.57 <u>\$59.44</u>	\$32.65 <u>\$34.31</u>

For each additional 100 sq. ft.	\$56.47	\$16.01
or any portion thereof	<u>\$59.44</u>	<u>\$16.82</u>

Nonnuclear shop inspections, field construction inspections, and special inspection services:

For each hour or part of an hour up to 8 hours	\$49.50
	<u>\$52.01</u>
For each hour or part of an hour in excess of 8 hours	\$73.94
	<u>\$77.70</u>

Nuclear shop inspections, nuclear field construction inspections, and nuclear triennial shop survey and audit:

For each hour or part of an hour up to 8 hours	\$73.94
	<u>\$77.70</u>
For each hour or part of an hour in excess of 8 hours	\$115.64
	<u>\$121.51</u>

Nonnuclear triennial shop survey and audit:

When state is authorized inspection agency:

For each hour or part of an hour up to 8 hours	\$49.50
	<u>\$52.01</u>
For each hour or part of an hour in excess of 8 hours	\$73.94
	<u>\$77.70</u>

When insurance company is authorized inspection agency:

For each hour or part of an hour up to 8 hours	\$73.94
	<u>\$77.70</u>
For each hour or part of an hour in excess of 8 hours	\$115.64
	<u>\$121.51</u>

Examination fee: A fee of ~~\$96.17~~\$91.52 will be charged for each applicant sitting for an inspection examination(s).

Special inspector commission: A fee of ~~\$51.91~~\$49.40 for initial work card. A fee of ~~\$32.24~~\$30.68 for annual renewal.

If a special inspector changes companies: A work card fee of ~~\$51.91~~\$49.40.

Expenses shall include:

Travel time and mileage: The department shall charge for its inspectors' travel time from their offices to the inspection sites and return. The travel time shall be charged for at the same rate as that for the inspection, audit, or survey. The department shall also charge the current Washington office of financial management accepted mileage cost fees or the actual cost of purchased transportation. Hotel and meals: Actual cost not to exceed the office of financial management approved rate.

Requests for Washington state specials and extensions of inspection frequency: For each vessel to be considered by the board, a fee of ~~\$483.70~~~~\$460.30~~ must be paid to the department before the board meets to consider the vessel. The board may, at its discretion, prorate the fee when a number of vessels that are essentially the same are to be considered.

[Statutory Authority: Chapter [70.79](#) RCW. WSR 18-23-092, § 296-104-700, filed 11/20/18, effective 1/1/19; WSR 18-01-113, § 296-104-700, filed 12/19/17, effective 1/31/18; WSR 17-13-105, § 296-104-700, filed 6/20/17, effective 7/31/17; WSR 16-18-003, § 296-104-700, filed 8/25/16, effective 10/1/16; WSR 13-10-018, § 296-104-700, filed 4/23/13, effective 6/1/13. Statutory Authority: Chapter [70.79](#) RCW and 2011 1st sp.s. c 50. WSR 12-09-057, § 296-104-700, filed 4/17/12, effective 6/30/12. Statutory Authority: RCW [70.79.030](#), [70.79.040](#), [70.79.150](#), [70.79.290](#), [70.79.330](#), [70.79.350](#), and 2009 c 90. WSR 10-06-049, § 296-104-700, filed 2/24/10, effective 4/1/10. Statutory Authority: RCW [70.79.030](#), [70.79.040](#), [70.79.150](#), [70.79.290](#), [70.79.330](#), and [70.79.350](#). WSR 08-12-015, § 296-104-700, filed 5/27/08, effective 6/30/08; WSR 07-11-137, § 296-104-700, filed 5/22/07, effective 6/30/07; WSR 06-12-032, § 296-104-700, filed 5/31/06, effective 7/1/06; WSR 05-12-028, § 296-104-700, filed 5/24/05, effective 6/30/05. Statutory Authority: Chapter [70.79](#) RCW. WSR 04-21-069, § 296-104-700, filed 10/19/04, effective 1/1/05; WSR 04-13-044, § 296-104-700, filed 6/10/04, effective 6/30/04. Statutory Authority: RCW [70.79.030](#), [70.79.040](#), [70.79.150](#), [70.79.290](#), [70.79.330](#), [70.79.350](#), and chapter [70.79](#) RCW. WSR 04-01-194, § 296-104-700, filed 12/24/03, effective 1/24/04; WSR 03-12-051, § 296-104-700, filed 5/30/03, effective 6/30/03; WSR 02-23-036, § 296-104-700, filed 11/13/02, effective 12/14/02; WSR 02-12-021, § 296-104-700, filed 5/28/02, effective 6/28/02; WSR 01-24-061, § 296-104-700, filed 11/30/01, effective 12/31/01; WSR 01-12-034, § 296-104-700, filed 5/29/01, effective 6/29/01. Statutory Authority: RCW [70.79.030](#), [70.79.040](#) and chapter [70.79](#) RCW. WSR 00-21-024, § 296-104-700, filed 10/10/00, effective 11/13/00. Statutory Authority: RCW [70.79.030](#) and [70.79.040](#). WSR 99-08-049, § 296-104-700, filed 4/1/99, effective 5/2/99; WSR 98-09-064, § 296-104-700, filed 4/20/98, effective 5/21/98. Statutory Authority: RCW [70.79.040](#). WSR 93-12-014, § 296-104-700, filed 5/21/93, effective 6/21/93. Statutory Authority: RCW [70.79.030](#) and [70.79.330](#). WSR 84-21-012 (Order 84-20), § 296-104-700, filed 10/5/84; WSR 84-11-016 (Order 84-09), § 296-104-700, filed 5/10/84; WSR 82-24-025 (Order 82-36), § 296-104-700, filed 11/23/82, effective 1/1/83; Order 77-23, § 296-104-700, filed 11/8/77; Emergency Order 77-22, § 296-104-700, filed 11/8/77.]