



RULE-MAKING ORDER

CR-103P (May 2009)
(Implements RCW 34.05.360)

Agency: Department of Labor and Industries

Permanent Rule Only

Effective date of rule:

Permanent Rules

- 31 days after filing.
- Other (specify) January 5, 2016 (If less than 31 days after filing, a specific finding under RCW 34.05.380(3) is required and should be stated below)

Any other findings required by other provisions of law as precondition to adoption or effectiveness of rule?

- Yes
 - No
- If Yes, explain:

Purpose: eRules Phase IV

The purpose of adopting this rule is to have a consistent format across all Department of Occupational Safety and Health (DOSH) rules. The updated format would provide easy access to rules from smart phones and tablet users. It will also provide easy navigation in PDF documents, as well as easier referencing by replacing bullets and dashes with numbers and letters. "Plain Talk" writing principles have also been implemented throughout for greater clarity and comprehension. No rule requirements were changed as a result of this rulemaking adoption. References, formatting and minor housekeeping changes were made throughout the chapters in this rulemaking. Please see Attachment 1 for changes from proposed language.

Citation of existing rules affected by this order: See Attachment 1

- Repealed:
- Amended:
- Suspended:

Statutory authority for adoption: RCW 49.17.010, RCW 49.17.040, RCW 49.17.050, RCW 49.17.060

Other authority :

PERMANENT RULE (Including Expedited Rule Making)

Adopted under notice filed as WSR 15-18-118 on September 2, 2015 (date).
Describe any changes other than editing from proposed to adopted version:

Please see Attachment 2 for changes from proposed.

If a preliminary cost-benefit analysis was prepared under RCW 34.05.328, a final cost-benefit analysis is available by contacting:

Name: _____ phone () _____
 Address: _____ fax () _____
 e-mail _____

Date adopted: December 1, 2015

NAME (TYPE OR PRINT)
Joel Sacks

SIGNATURE

TITLE
Director

CODE REVISER USE ONLY

OFFICE OF THE CODE REVISER
STATE OF WASHINGTON
FILED

DATE: December 01, 2015
TIME: 9:45 AM

WSR 15-24-100

**Note: If any category is left blank, it will be calculated as zero.
No descriptive text.**

**Count by whole WAC sections only, from the WAC number through the history note.
A section may be counted in more than one category.**

The number of sections adopted in order to comply with:

Federal statute:	New	_____	Amended	_____	Repealed	_____
Federal rules or standards:	New	_____	Amended	_____	Repealed	_____
Recently enacted state statutes:	New	_____	Amended	_____	Repealed	_____

The number of sections adopted at the request of a nongovernmental entity:

New	<u>0</u>	Amended	<u>286</u>	Repealed	<u>0</u>
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The number of sections adopted in the agency's own initiative:

New	<u>0</u>	Amended	<u>286</u>	Repealed	<u>0</u>
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The number of sections adopted in order to clarify, streamline, or reform agency procedures:

New	<u>0</u>	Amended	<u>286</u>	Repealed	<u>0</u>
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The number of sections adopted using:

Negotiated rule making:	New	_____	Amended	_____	Repealed	_____
Pilot rule making:	New	_____	Amended	_____	Repealed	_____
Other alternative rule making:	New	_____	Amended	<u>286</u>	Repealed	_____

AMENDED SECTIONS:

WAC 296-24-003 Subsections, subdivisions, items, subitems, and segments.
WAC 296-24-005 Purpose and scope.
WAC 296-24-012 Definitions applicable to all sections of this chapter.
WAC 296-24-215 Materials handling and storage—Handling materials—General.
WAC 296-24-21501 Use of mechanical equipment.
WAC 296-24-21509 Clearance limits.
WAC 296-24-21511 Rolling railroad cars.
WAC 296-24-21513 Guarding.
WAC 296-24-235 Overhead and gantry cranes.
WAC 296-24-23501 Definitions.
WAC 296-24-23503 General requirements.
WAC 296-24-23505 Cabs.
WAC 296-24-23507 Footwalks and ladders.
WAC 296-24-23509 Stops, bumpers, rail sweeps, and guards.
WAC 296-24-23511 Brakes.
WAC 296-24-23513 Electric equipment.
WAC 296-24-23515 Hoisting equipment.
WAC 296-24-23517 Warning device.
WAC 296-24-23519 Inspection.
WAC 296-24-23521 Testing.
WAC 296-24-23523 Maintenance.
WAC 296-24-23525 Rope inspection.
WAC 296-24-23527 Handling the load.
WAC 296-24-23529 Operators.
WAC 296-24-23531 Other requirements—General.
WAC 296-24-23533 Crane and derrick suspended personnel (work) platforms.
WAC 296-24-237 Construction, operation and maintenance—Chain and electric hoists.
WAC 296-24-238 Air hoists.
WAC 296-24-240 Crawler locomotive and truck cranes.
WAC 296-24-24001 Definitions.
WAC 296-24-24003 General requirements.
WAC 296-24-24005 Load ratings.
WAC 296-24-24007 Inspection classification.
WAC 296-24-24009 Testing.
WAC 296-24-24011 Maintenance procedure.
WAC 296-24-24013 Rope inspection.
WAC 296-24-24015 Handling the load.
WAC 296-24-24017 Other requirements.
WAC 296-24-24019 Operating near overhead electric power lines.
WAC 296-24-245 Derricks.
WAC 296-24-24501 Definitions.
WAC 296-24-24503 General requirements.
WAC 296-24-24505 Load ratings.
WAC 296-24-24507 Inspection.
WAC 296-24-24509 Testing.
WAC 296-24-24511 Maintenance.
WAC 296-24-24513 Rope inspection.

Citation of rules affected by this order

Attachment 1

Division of Occupational Safety and Health

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WAC 296-24-24515 Operations of derricks.
WAC 296-24-24517 Handling the load.
WAC 296-24-24519 Other requirements.
WAC 296-24-293 "A" frames.
WAC 296-24-294 Rigging.
WAC 296-24-29401 Wire rope.
WAC 296-24-29403 Hemp rope.
WAC 296-24-29405 Hemp and wire rope slings.
WAC 296-24-29407 Guys.
WAC 296-24-29409 Thimbles.
WAC 296-24-29411 Blocks and falls.
WAC 296-24-29413 Chains and cables.
WAC 296-24-29415 Slings.
WAC 296-24-29417 Definitions.
WAC 296-24-29419 Safe operating practices.
WAC 296-24-29421 Inspections.
WAC 296-24-29423 Alloy steel chain slings.
WAC 296-24-29425 Wire rope slings.
WAC 296-24-29427 Metal mesh slings.
WAC 296-24-29429 Natural and synthetic fiber rope slings.
WAC 296-24-29431 Synthetic web slings.
WAC 296-24-295 Compressed gases (general requirements).
WAC 296-24-29501 Inspection of compressed gas cylinders.
WAC 296-24-29503 Compressed gases.
WAC 296-24-29505 Safety relief devices for compressed gas containers.
WAC 296-24-310 Acetylene.
WAC 296-24-31001 Cylinders.
WAC 296-24-31003 Piped systems.
WAC 296-24-31005 Generators and filling cylinders.
WAC 296-24-315 Hydrogen.
WAC 296-24-31501 General.
WAC 296-24-31503 Gaseous hydrogen systems.
WAC 296-24-31505 Liquefied hydrogen systems.
WAC 296-24-320 Oxygen.
WAC 296-24-32001 Scope.
WAC 296-24-32003 Bulk oxygen systems.
WAC 296-24-325 Nitrous oxide.
WAC 296-24-330 Flammable liquids.
WAC 296-24-33001 Definitions.
WAC 296-24-33003 Scope.
WAC 296-24-33005 Tank storage.
WAC 296-24-33007 Piping, valves, and fittings.
WAC 296-24-33009 Container and portable tank storage.
WAC 296-24-33011 Industrial plants.
WAC 296-24-33013 Bulk plants.
WAC 296-24-33015 Service stations.
WAC 296-24-33017 Processing plants.
WAC 296-24-33019 Refineries, chemical plants, and distilleries.

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Attachment 1

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WAC 296-24-370 Spray finishing using flammable materials.
WAC 296-24-37001 Definitions.
WAC 296-24-37003 Spray booths.
WAC 296-24-37005 Electrical and other sources of ignition.
WAC 296-24-37007 Ventilation.
WAC 296-24-37009 Flammable liquids and liquids with a flashpoint greater than 199.4°F (93°C).
WAC WAC 296-24-37011 Protection.
WAC 296-24-37013 Operations and maintenance.
WAC 296-24-37015 Fixed electrostatic apparatus.
WAC 296-24-37017 Electrostatic hand spraying equipment.
WAC 296-24-37019 Drying, curing, or fusion apparatus.
WAC 296-24-37021 Automobile undercoating in garages.
WAC 296-24-37023 Powder coating.
WAC 296-24-37025 Organic peroxides and dual component coatings.
WAC 296-24-37027 Scope.
WAC 296-24-450 Chlorine cylinders used in chlorinator systems.
WAC 296-24-475 Storage and handling of liquefied petroleum gases.
WAC 296-24-47501 Definitions.
WAC 296-24-47503 Scope.
WAC 296-24-47505 Basic rules.
WAC 296-24-47507 Cylinder systems.
WAC 296-24-47509 Systems utilizing containers other than DOT containers.
WAC 296-24-47511 Liquefied petroleum gas as a motor fuel.
WAC 296-24-47513 Storage of containers awaiting use or resale.
WAC 296-24-47517 Liquefied petroleum gas service stations.
WAC 296-24-55001 Definitions.
WAC 296-24-56525 Automatic sprinkler systems.
WAC 296-24-56527 Fire alarm signaling systems.
WAC 296-24-567 Employee emergency plans and fire prevention plans.
WAC 296-24-56701 Appendix.
WAC 296-24-585 Fire protection.
WAC 296-24-58501 Definitions applicable to fire protection.
WAC 296-24-58503 Scope, application and definitions applicable.
WAC 296-24-592 Portable fire extinguishers.
WAC 296-24-59201 Scope and application.
WAC 296-24-59212 Hydrostatic testing.
WAC 296-24-59215 Appendix A—Portable fire extinguishers.
WAC 296-24-602 Standpipe and hose systems.
WAC 296-24-60201 Scope and application.
WAC 296-24-60203 Protection of standpipes.
WAC 296-24-60205 Equipment.
WAC 296-24-60207 Water supply.
WAC 296-24-60209 Tests and maintenance.
WAC 296-24-60299 Appendix A—Standpipe and hose systems.
WAC 296-24-607 Automatic sprinkler systems.
WAC 296-24-60701 Scope and application.
WAC 296-24-60703 Exemptions.

Citation of rules affected by this order

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WAC 296-24-60705 General requirements.

WAC 296-24-60799 Appendix A—Automatic sprinkler systems.

WAC 296-24-617 Fixed extinguishing systems, general.

WAC 296-24-61701 Scope and application.

WAC 296-24-61703 General requirements.

WAC 296-24-61705 Total flooding systems with potential health and safety hazards to employees.

WAC 296-24-61799 Appendix A—Fixed extinguishing systems, general.

WAC 296-24-622 Fixed extinguishing systems, dry chemical.

WAC 296-24-62201 Scope and application.

WAC 296-24-62203 Specific requirements.

WAC 296-24-62299 Appendix A—Fixed extinguishing systems, dry chemical.

WAC 296-24-623 Fixed extinguishing systems, gaseous agent.

WAC 296-24-62301 Scope and application.

WAC 296-24-62303 Specific requirements.

WAC 296-24-62399 Appendix A—Fixed extinguishing systems, gaseous agent.

WAC 296-24-627 Fixed extinguishing systems, water spray and foam.

WAC 296-24-62701 Scope and application.

WAC 296-24-62703 Specific requirements.

WAC 296-24-62799 Appendix A—Fixed extinguishing systems, water spray and foam.

WAC 296-24-629 Fire detection systems.

WAC 296-24-62901 Scope and application.

WAC 296-24-62903 Installation and restoration.

WAC 296-24-62905 Maintenance and testing.

WAC 296-24-62907 Protection of fire detectors.

WAC 296-24-62909 Response time.

WAC 296-24-62911 Number, location and spacing of detecting devices.

WAC 296-24-62999 Appendix A—Fire detection systems.

WAC 296-24-63299 Appendix B—National consensus standards.

WAC 296-24-63399 Appendix C—Fire protection references for further information.

WAC 296-24-63499 Appendix D—Availability of publications incorporated by references in WAC

WAC 296-24-58505—Fire brigades.

WAC 296-24-63599 Appendix E—Test methods for protective clothing.

WAC 296-24-680 Welding, cutting, and brazing.

WAC 296-24-68001 Definitions.

WAC 296-24-682 Installation and operation of oxygen fuel gas systems for welding and cutting.

WAC 296-24-68201 General requirements.

WAC 296-24-68203 Cylinders and containers.

WAC 296-24-68205 Manifolding of cylinders.

WAC 296-24-68207 Service piping systems.

WAC 296-24-68209 Protective equipment, hose, and regulators.

WAC 296-24-68211 Acetylene generators.

WAC 296-24-68213 Calcium carbide storage.

WAC 296-24-68215 Public exhibitions and demonstrations.

WAC 296-24-685 Application, installation, and operation of arc welding and cutting equipment.

WAC 296-24-68501 General.

WAC 296-24-68503 Application of arc welding equipment.

WAC 296-24-68505 Installation of arc welding equipment.

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WAC 296-24-68507 Operation and maintenance.
WAC 296-24-690 Installation and operation of resistance welding equipment.
WAC 296-24-69001 General.
WAC 296-24-69003 Spot and seam welding machines (nonportable).
WAC 296-24-69005 Portable welding machines.
WAC 296-24-69007 Flash welding equipment.
WAC 296-24-69009 Hazards and precautions.
WAC 296-24-69011 Maintenance.
WAC 296-24-695 Fire prevention and protection.
WAC 296-24-69501 Basic precautions.
WAC 296-24-69503 Special precautions.
WAC 296-24-69505 Welding or cutting containers.
WAC 296-24-69507 Confined spaces.
WAC 296-24-700 Protection of employees.
WAC 296-24-70001 General.
WAC 296-24-70003 Eye protection.
WAC 296-24-70005 Protective clothing.
WAC 296-24-70007 Work in confined spaces.
WAC 296-24-715 Health protection and ventilation.
WAC 296-24-71501 General.
WAC 296-24-71503 Ventilation for general welding and cutting.
WAC 296-24-71505 Local exhaust hoods and booths.
WAC 296-24-71507 Ventilation in confined spaces.
WAC 296-24-71509 Fluorine compounds.
WAC 296-24-71511 Zinc.
WAC 296-24-71513 Lead.
WAC 296-24-71515 Beryllium.
WAC 296-24-71517 Cadmium.
WAC 296-24-71519 Mercury.
WAC 296-24-71521 Cleaning compounds.
WAC 296-24-71523 Cutting of stainless steels.
WAC 296-24-71525 First-aid equipment.
WAC 296-24-720 Industrial applications.
WAC 296-24-72001 Transmission pipeline.
WAC 296-24-72003 Mechanical piping systems.
WAC 296-24-722 Welding, cutting, and heating in way of preservative coatings.
WAC 296-24-735 Walking-working surfaces.
WAC 296-24-73501 General requirements.
WAC 296-24-73505 Aisles and passageways.
WAC 296-24-73507 Covers and guardrails.
WAC 296-24-73511 Steam pipes.
WAC 296-24-750 Guarding floor and wall openings and holes.
WAC 296-24-75001 Terms.
WAC 296-24-75003 Protection for floor openings.
WAC 296-24-75005 Protection for wall openings and holes.
WAC 296-24-75007 Protection of open-sided runways.
WAC 296-24-75011 Railing, toeboards, and cover specifications.
WAC 296-24-765 Fixed industrial stairs.

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WAC 296-24-76501 Terms.

WAC 296-24-76503 Application of requirements.

WAC 296-24-76507 Stair strength.

WAC 296-24-76509 Stair width.

WAC 296-24-76511 Angle of stairway rise.

WAC 296-24-76513 Stair treads.

WAC 296-24-76515 Length of stairways.

WAC 296-24-76519 Vertical clearance.

WAC 296-24-76521 Open risers.

WAC 296-24-76523 General.

WAC 296-24-76555 Alternating tread-type stairs.

WAC 296-24-855 Other working surfaces.

WAC 296-24-85501 Dockboards (bridge plates).

WAC 296-24-85503 Forging machine area.

WAC 296-24-85505 Veneer machinery.

WAC 296-24-862 Nonmandatory appendices.

WAC 296-24-88050 Appendix C—Personal fall arrest system (Part I—Mandatory; Parts II and III—Nonmandatory).

WAC 296-24-920 Inspection of compressed gas cylinders.

WAC 296-24-92001 Definitions.

WAC 296-24-92003 General requirements.

WAC 296-24-92005 Inspection of low-pressure cylinders exempt from the hydrostatic test including acetylene cylinders.

WAC 296-24-92007 Low-pressure cylinders subject to hydrostatic testing.

WAC 296-24-92009 High-pressure cylinders.

WAC 296-24-92011 Internal inspection.

WAC 296-24-930 Safety relief devices for compressed gas cylinders.

WAC 296-24-93001 Definitions.

WAC 296-24-93003 General requirements.

WAC 296-24-935 Safety relief devices for cargo and portable tanks storing compressed gases.

WAC 296-24-93501 Definitions.

WAC 296-24-93503 General requirements.

WAC 296-24-940 Air receivers.

WAC 296-24-94001 General requirements.

WAC 296-24-94003 Installation and equipment requirements.

WAC 296-24-957 Electrical.

WAC 296-24-95701 Electric utilization systems.

WAC 296-24-95703 General requirements.

WAC 296-24-95705 Wiring design and protection.

WAC 296-24-95707 Wiring methods, components, and equipment for general use.

WAC 296-24-95709 Specific purpose equipment and installations.

WAC 296-24-95711 Hazardous (classified) locations.

WAC 296-24-95713 Special systems.

WAC 296-24-95799 Appendices.

WAC 296-24-960 Working on or near exposed energized parts.

WAC 296-24-965 Safety-related work practices.

WAC 296-24-970 Training.

WAC 296-24-975 Selection and use of work practices.

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Division of Occupational Safety and Health

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WAC 296-24-980 Safeguards for personnel protection.

WAC 296-24-985 Use of equipment.

WAC 296-24-990 Definitions.

Chapter 296-24 WAC General Safety and Health Standards

The differences between the proposed rule and the rule as adopted are the following housekeeping corrections:

WAC 296-24-24501 Definitions – Removed underline throughout section and emboldened defined words.

WAC 296-24-33015(2)(f)(ii) – Deleted redundant word “open”. (You must hold open manual-closing type valves (~~shall be held~~) open manually during dispensing.)

12 instances of the word “shall” were replaced with the word “must” throughout chapter.

12 instances of the word “percent” were changed to the symbol “%” throughout chapter.

7 instances of **written numbers (e.g., seventy-five, thirty-two, etc.)** were changed to **numeric numbers (e.g., 75, 32, etc.)** throughout chapter.