



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) _____ (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 V

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Repealed: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 16-02-094 on January 5, 2016.

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: April 19, 2016

NAME (TYPE OR PRINT)

Joel Sacks

SIGNATURE

TITLE

Director

CODE REVISER USE ONLY

OFFICE OF THE CODE REVISER
STATE OF WASHINGTON
FILED

DATE: April 19, 2016

TIME: 10:44 AM

WSR 16-09-085

**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Federal statute:	New	_____	Amended	_____	Repealed	_____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>304</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>304</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>304</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>304</u>	Repealed	_____

AMENDED SECTIONS:

- 296-155-005** Purpose and scope.
- 296-155-006** Equipment approval by nonstate agency or organization.
- 296-155-008** Incorporation of standards of federal agency.
- 296-155-009** Equipment whether or not owned by, or under control of the employer.
- 296-155-010** Variance and procedure.
- 296-155-012** Definitions applicable to all sections of this chapter.
- 296-155-015** Education and first-aid standards.
- 296-155-020** Housekeeping.
- 296-155-030** Acceptable certifications.
- 296-155-035** General requirements.
- 296-155-040** Safe place standards.
- 296-155-100** Management's responsibility.
- 296-155-105** Employee's responsibility.
- 296-155-110** Accident prevention program.
- 296-155-115** Safety bulletin board.
- 296-155-120** First-aid training and certification.
- 296-155-130** First-aid station.
- 296-155-140** Sanitation.
- 296-155-150** Ionizing radiation.
- 296-155-155** Nonionizing radiation.
- 296-155-160** Gases, vapors, fumes, dusts, and mists.
- 296-155-17301** Scope and application.
- 296-155-17303** Definitions.
- 296-155-17305** Permissible exposure limits.
- 296-155-17307** Communication among employers.
- 296-155-17309** Emergency situations.
- 296-155-17311** Exposure monitoring.
- 296-155-17313** Regulated areas.
- 296-155-17315** Methods of compliance.
- 296-155-17317** Respiratory protection.
- 296-155-17319** Protective work clothing and equipment.
- 296-155-17321** Hygiene facilities and practices.
- 296-155-17323** Communication of hazards.
- 296-155-17325** Housekeeping.
- 296-155-17327** Medical surveillance.
- 296-155-17329** Medical removal.
- 296-155-17331** Recordkeeping.
- 296-155-17333** Observation of monitoring.
- 296-155-17339** Startup dates.
- 296-155-17341** Appendix A to WAC 296-155-173—Substance data sheet, for 4-4'-methylenedianiline.
- 296-155-17343** Appendix B to WAC 296-155-173—Substance technical guidelines, MDA.
- 296-155-17345** Appendix C to WAC 296-155-173—Medical surveillance guidelines for MDA.
- 296-155-17347** Appendix D to WAC 296-155-173—Sampling and analytical methods for MDA monitoring and measurement procedures.
- 296-155-174** Cadmium.
- 296-155-176** Lead.

Citation of rules affected by this order
Division of Occupational Safety and Health
CR-103 Filing Date: April 19, 2016
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Attachment 1

- 296-155-17605 Definitions.
- 296-155-17607 Permissible exposure limit.
- 296-155-17609 Exposure assessment.
- 296-155-17611 Methods of compliance.
- 296-155-17613 Respiratory protection.
- 296-155-17615 Protective work clothing and equipment.
- 296-155-17617 Housekeeping.
- 296-155-17619 Hygiene facilities and practices.
- 296-155-17621 Medical surveillance.
- 296-155-17623 Medical removal protection.
- 296-155-17625 Communication of hazards.
- 296-155-17627 Signs.
- 296-155-17629 Recordkeeping.
- 296-155-17631 Observation of monitoring.
- 296-155-17650 Appendix A to WAC 296-155-176—Substance data sheet for occupational exposure to lead.
- 296-155-17652 Appendix B to WAC 296-155-176—Employee standard summary.
- 296-155-17654 Appendix C to WAC 296-155-176—Medical surveillance guidelines.
- 296-155-180 Hazard communication.
- 296-155-200 General requirements for personal protective equipment (PPE).
- 296-155-201 Definitions applicable to this chapter.
- 296-155-203 Confined spaces.
- 296-155-20301 Definitions.
- 296-155-20307 Confined space work on sewer systems under construction.
- 296-155-205 Head protection.
- 296-155-211 Leg protection.
- 296-155-212 Foot protection.
- 296-155-215 Eye and face protection.
- 296-155-235 Working over or adjacent to water.
- 296-155-240 Sterilization of protective equipment.
- 296-155-24603 Definitions.
- 296-155-24605 General requirements.
- 296-155-24607 Fall protection required regardless of height.
- 296-155-24609 Fall protection required at four feet or more.
- 296-155-24611 Fall protection required at ten feet or more.
- 296-155-24613 Fall arrest specifications.
- 296-155-24615 Fall restraint specifications.
- 296-155-24617 Positioning device system specifications.
- 296-155-24619 Other specifications.
- 296-155-24621 Training.
- 296-155-24623 Appendix A—Determining roof widths—Nonmandatory guidelines for complying with WAC 296-155-24615.
- 296-155-24624 Appendix B—Calculating fall clearance distance using a shock-absorbing lanyard and D-ring anchorage connector—Nonmandatory guidelines for complying with WAC 296-155-24613 (1)(d).
- 296-155-250 Definitions applicable to this part.
- 296-155-260 Fire protection.
- 296-155-265 Fire prevention.
- 296-155-270 Flammable liquids.

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- 296-155-275 Liquefied petroleum gas (LP-gas).
- 296-155-280 Temporary heating devices.
- 296-155-305 Signaling and flaggers.
- 296-155-310 Barricades.
- 296-155-315 Definitions applicable to this part.
- 296-155-325 General requirements for storage.
- 296-155-335 Disposal of waste materials.
- 296-155-33605 Definitions.
- 296-155-33705 General requirements.
- 296-155-33800 Chain slings.
- 296-155-33805 Wire rope slings.
- 296-155-33810 Metal mesh slings.
- 296-155-33815 Synthetic rope slings.
- 296-155-33820 Synthetic webbing slings.
- 296-155-33825 Synthetic roundslings.
- 296-155-33900 General requirements.
- 296-155-33905 Shackles.
- 296-155-33910 Adjustable hardware.
- 296-155-33915 Compression hardware.
- 296-155-33920 Links, rings, and swivels.
- 296-155-34005 Structural and mechanical lifters.
- 296-155-34010 Vacuum lifters.
- 296-155-34015 Close proximity lifting magnets.
- 296-155-34020 Remotely operated lifting magnets.
- 296-155-34025 Scrap and material handling grapples.
- 296-155-350 General requirements.
- 296-155-355 Hand tools.
- 296-155-360 Power-operated hand tools.
- 296-155-36305 Definitions applicable to this section.
- 296-155-36307 Requirements.
- 296-155-36309 Power loads.
- 296-155-36311 Fasteners.
- 296-155-36313 Operation.
- 296-155-36315 Limitations of use.
- 296-155-36317 Maintenance and storage.
- 296-155-36319 Authorized instructor.
- 296-155-36321 Qualified operator.
- 296-155-365 Abrasive wheels and tools.
- 296-155-367 Masonry saws.
- 296-155-370 Woodworking tools.
- 296-155-375 Jacks—Lever and ratchet, screw, and hydraulic.
- 296-155-380 Air receivers.
- 296-155-400 Gas welding and cutting.
- 296-155-405 Arc welding and cutting.
- 296-155-407 Protective clothing.
- 296-155-410 Fire prevention.
- 296-155-415 Ventilation and protection in welding, cutting, and heating.
- 296-155-420 Welding, cutting, and heating in way of preservative coatings.

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- 296-155-426** Introduction.
- 296-155-428** General requirements.
- 296-155-429** Lockout and tagging of circuits.
- 296-155-432** Maintenance of equipment.
- 296-155-434** Environmental deterioration of equipment.
- 296-155-437** Batteries and battery charging.
- 296-155-441** Applicability.
- 296-155-444** General requirements.
- 296-155-447** Wiring design and protection.
- 296-155-449** Wiring methods, components, and equipment for general use.
- 296-155-452** Specific purpose equipment and installations.
- 296-155-456** Hazardous (classified) locations.
- 296-155-459** Special systems.
- 296-155-462** Definitions applicable to this part.
- 296-155-47501** Definitions applicable to this part.
- 296-155-476** General requirements.
- 296-155-477** Stairways.
- 296-155-52900** Scope.
- 296-155-52902** Definitions.
- 296-155-53102** Accreditation—Application form and applicant qualifications.
- 296-155-53106** Accreditation application—Processing time.
- 296-155-53108** Duration and renewal of an accreditation.
- 296-155-53110** Revocation or suspension of an accreditation.
- 296-155-53114** Issuance of temporary and annual certificates of operation.
- 296-155-53200** General inspection criteria, wire rope inspection and removal criteria, and preproof load test requirements for all cranes.
- 296-155-53202** Additional inspection criteria and proof load testing—Mobile cranes.
- 296-155-53204** Additional inspection criteria and proof load testing—Articulating boom cranes.
- 296-155-53206** Additional inspection criteria and proof load testing—Tower cranes.
- 296-155-53208** Additional inspection criteria and proof load testing—Self-erecting tower cranes.
- 296-155-53210** Additional inspection criteria and proof load testing—Overhead/bridge and gantry bridge cranes.
- 296-155-53212** Additional inspection criteria and proof load testing—Derricks.
- 296-155-53214** Crane decertification and reinstatement.
- 296-155-53300** Operator qualifications and certification.
- 296-155-53302** Signal person qualifications.
- 296-155-53306** Rigger qualifications.
- 296-155-53400** General requirements.
- 296-155-53401** Duties of assigned personnel.
- 296-155-53402** Assembly/disassembly.
- 296-155-53403** Fall protection.
- 296-155-53404** Wire rope.
- 296-155-53405** Inspections.
- 296-155-53406** Signals.
- 296-155-53408** Power line safety.
- 296-155-53409** Training.
- 296-155-53410** Safety devices.
- 296-155-53412** Operational aids.

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- 296-155-53414 Cranes/derricks with a rated hoisting/lifting capacity of two thousand pounds or less.
- 296-155-53700 Mobile cranes—General.
- 296-155-53715 Mobile cranes—Operations.
- 296-155-53815 Articulating boom cranes—Operations.
- 296-155-53900 Tower cranes—General.
- 296-155-53915 Tower cranes—Operations.
- 296-155-54100 Self-erecting tower cranes—General.
- 296-155-54115 Self-erecting tower cranes—Operations.
- 296-155-54200 Overhead/bridge and gantry cranes—General.
- 296-155-54215 Overhead/bridge and gantry cranes—Operations.
- 296-155-54300 Derricks—General.
- 296-155-54305 Derricks—Construction.
- 296-155-54320 Derricks—Operations.
- 296-155-54400 Floating cranes/derricks and land cranes/derricks on barges.
- 296-155-54800 Design of platforms and suspension systems.
- 296-155-54900 Crane or derrick requirements for personnel lifting.
- 296-155-55100 Inspections on cranes and personnel platforms.
- 296-155-55105 Adjustments and repairs on personnel platforms.
- 296-155-55110 Proof load test platforms and rigging.
- 296-155-55115 Trial lift.
- 296-155-55200 Employer responsibilities for lifting personnel.
- 296-155-55205 Responsibilities of the personnel lift supervisor.
- 296-155-55210 Crane or derrick operation requirements for personnel lifting.
- 296-155-553 Lifting personnel.
- 296-155-55300 Personnel lifting requirements.
- 296-155-55305 Lifting personnel near electrical power lines.
- 296-155-55400 Use boatswain's chairs as a last resort.
- 296-155-55405 Lifting personnel using a boatswain's chair.
- 296-155-55600 General requirements.
- 296-155-55800 Chain slings.
- 296-155-55805 Wire rope slings.
- 296-155-55810 Metal mesh slings.
- 296-155-55815 Synthetic rope slings.
- 296-155-55820 Synthetic webbing slings.
- 296-155-55825 Synthetic roundslings.
- 296-155-56100 General requirements.
- 296-155-56105 Shackles.
- 296-155-56110 Adjustable hardware.
- 296-155-56115 Compression hardware.
- 296-155-56120 Links, rings, and swivels.
- 296-155-56200 Structural and mechanical lifters.
- 296-155-56205 Vacuum lifters.
- 296-155-56210 Close proximity lifting magnets.
- 296-155-56215 Remotely operated lifting magnets.
- 296-155-56220 Scrap and material handling grapples.
- 296-155-600 Definitions applicable to this part.
- 296-155-605 Equipment.
- 296-155-610 Motor vehicles on construction sites.

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- 296-155-615 Material handling equipment.
- 296-155-620 Pile driving equipment.
- 296-155-625 Site clearing.
- 296-155-630 Marine operations and equipment.
- 296-155-650 Scope, application, and definitions applicable to this part.
- 296-155-655 General protection requirements.
- 296-155-657 Requirements for protective systems.
- 296-155-66401 Appendix A—Soil classification.
- 296-155-66403 Appendix B—Sloping and benching.
- 296-155-66405 Appendix C—Timber shoring for trenches.
- 296-155-66407 Appendix D—Aluminum hydraulic shoring for trenches.
- 296-155-675 Scope, application, and definitions applicable to this part.
- 296-155-680 General provisions.
- 296-155-681 Safe walking surfaces on concrete structural members.
- 296-155-682 Requirements for equipment and tools.
- 296-155-683 Concrete finishing.
- 296-155-684 Requirements for cast in place concrete.
- 296-155-685 Tubular welded frame shoring.
- 296-155-686 Tube and coupler shoring.
- 296-155-687 Single post shores.
- 296-155-688 Vertical slip forms.
- 296-155-689 Placing and removal of forms.
- 296-155-690 Appendix to WAC 296-155-684 cast in place concrete.
- 296-155-691 Precast concrete and tilt-up operations.
- 296-155-694 Requirements for lift-slab construction operations.
- 296-155-695 Miscellaneous concrete construction.
- 296-155-697 Requirements for masonry construction.
- 296-155-699 Appendix A to Part O—References to Part O of chapter 296-155 WAC.
- 296-155-702 Definitions.
- 296-155-703 Site layout, site-specific erection plan and construction sequence.
- 296-155-704 Hoisting and rigging.
- 296-155-706 Structural steel assembly.
- 296-155-707 Column anchorage.
- 296-155-708 Beams and columns.
- 296-155-709 Open web steel joists.
- 296-155-711 Systems-engineered metal buildings.
- 296-155-714 Falling object protection.
- 296-155-716 Fall protection.
- 296-155-717 Training.
- 296-155-725 Definitions applicable to this part.
- 296-155-730 Tunnels and shafts.
- 296-155-735 Caissons.
- 296-155-740 Cofferdams.
- 296-155-745 Compressed air.
- 296-155-74501 Appendix A—Decompression tables.
- 296-155-755 Roofing, insulating and waterproofing.
- 296-155-765 Rock crushing, gravel washing, and hot mix plants.
- 296-155-770 Moving of structures.

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- 296-155-77100** Hoists, elevators, excavators, and conveyors.
- 296-155-77105** Material hoists, personnel hoists, and elevators.
- 296-155-77110** Base-mounted drum hoists.
- 296-155-77115** Overhead hoists.
- 296-155-77120** Conveyors.
- 296-155-77125** Aerial cableways.
- 296-155-77130** Concrete bucket towers.
- 296-155-77135** Hoisting engines.
- 296-155-775** Preparatory operations.
- 296-155-780** Stairs, passageways, and ladders.
- 296-155-785** Chutes.
- 296-155-790** Removal of materials through floor openings.
- 296-155-795** Removal of walls, masonry sections, and chimneys.
- 296-155-800** Manual removal of floors.
- 296-155-805** Removal of walls, floors, and material with equipment.
- 296-155-810** Catch platforms.
- 296-155-815** Storage.
- 296-155-820** Removal of steel construction.
- 296-155-825** Mechanical demolition.
- 296-155-830** Selective demolition by explosives.
- 296-155-950** Rollover protective structures (ROPS) for material handling equipment.
- 296-155-955** Minimum performance criteria for rollover protective structures for designated scrapers, loaders, dozers, graders, and crawler tractors.
- 296-155-960** Protective frame (ROPS) test procedures and performance requirements for wheel-type agricultural and industrial tractors used in construction.
- 296-155-965** Overhead protection for operators of agricultural and industrial tractors.

Chapter 296-155WAC Safety Standards for Construction Work

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

WAC 296-155-020 (10) – Replaced the word “their” with the word “your” to remain consistent with change from “The employer shall...” to “You must...”

*During the course of construction, alteration, repair or demolition of buildings and structures, you must ensure continuous clean-up of ~~their~~ **your** work area, including removal of all rubble, scrap, boxes, crates and excess material to trash disposal areas.*