

Secretary of State  
Certificate and Order for Filing  
**PERMANENT ADMINISTRATIVE RULES**

I certify that the attached copies\* are true, full and correct copies of the PERMANENT Rule(s) adopted on July 7, 2009 by the  
Date prior to or same as filing date

Department of Consumer & Business Services/Oregon Occupational Safety & Health Division 437  
Agency and Division Administrative Rules Chapter Number

Sue Joye 350 Winter Street NE, Salem OR 97301-3882 503-947-7449  
Rules Coordinator Address Telephone

to become effective July 21, 2009 as OR-OSHA Administrative Order 7-2009.  
Date upon filing or later

Rulemaking Notice was published in the April 2009 Oregon Bulletin.\*\*  
Month and Year

### RULE CAPTION

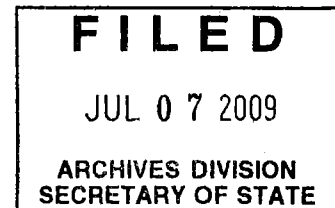
Adopt changes to compactors and balers rules in general industry.  
Not more than 15 words that reasonably identifies the subject matter of the agency's intended action.

### RULEMAKING ACTION

**AMEND:** OAR 437-002-0256

**ORS** 654.025(2), 656.726(4)  
Stat. Auth.

**ORS** 654.001 through 654.295  
Stats. Implemented



### RULE SUMMARY

The general industry rule in Division 2/O (OAR 437-002-0256, Oregon Rules for Refuse Collection and Compaction Equipment) is amended to include balers, stationary compactors, and self-contained compactors. It identifies guarding measures, appropriate signage, installation procedures, inspection requirements, and maintenance instructions. It is in plain language for easy reading and understanding.

Based on feedback received during the public hearing held on April 29<sup>th</sup>, 2009, field site visits, and the absence of any additional comments being made during the extended comment period, it has been decided by Oregon OSHA not to adopt the proposed baler rules for Division 4, Agriculture.

Please visit OR-OSHA's web site at [www.orosha.org](http://www.orosha.org)

  
Authorized Signer

Michael D. Wood  
Printed name

7/6/09  
Date

\*With this original, file one photocopy of certificate, one paper copy of rules listed in Rulemaking Actions, and electronic copy of rules.

\*\*The *Oregon Bulletin* is published on the 1st of each month and updates the rule text found in the Oregon Administrative Rules Compilation. Notice forms must be submitted to the Administrative Rules Unit, Oregon State Archives, 800 Summer Street NE, Salem, Oregon 97310 by 5:00 pm on the 15th day of the preceding month unless this deadline falls on a Saturday, Sunday or legal holiday when Notice forms are accepted until 5:00 pm on the preceding workday.  
ARC 930-2005

OSHA 7-2009

OAR 437, Oregon Occupational Safety and Health Division  
Oregon OSHA Administrative Order 7-2009  
Filed July 7, 2009, effective July 21, 2009

DIVISION 2, GENERAL OCCUPATIONAL SAFETY AND HEALTH RULES  
SUBDIVISION O – MACHINERY AND MACHINE GUARDING

**437-002- 0256**

**Stationary Compactors, Self-Contained Compactors and Balers.**

This applies to all stationary compactors, self-contained compactors, and balers.

You must comply with:

Subdivision 2/D Walking/Working Surfaces, for ladders, stairs and other walking/working surfaces.

Subdivision 2/J 1910.147, Control of Hazardous Energy, for maintenance, servicing, and repair activities.

Subdivision 2/J 1910.146, Permit Required Confined Space for confined space hazards.

Subdivision 2/O Machine Guarding for any guarding hazard not covered in these rules.

**YOUR RESPONSIBILITY:**

To protect employees from hazards associated with stationary compactors, self-contained compactors, and balers.

**Operators and other employees**

**(1) You must:**

Train and supervise equipment operators. Training must include information from the operation manual, when available, and these rules.

Document the name(s) of the trainer and trainees along with the date of the training.

Provide supervision to ensure employees follow correct operating procedures.

Instruct all employees how to identify and report exposure to hazards.

Prohibit wearing loose clothing, jewelry, or long loose hair that can become entangled in the equipment.

**Installation, inspection and maintenance**

**(2) You must:**

Install the equipment according to the manufacturer's instructions.

Keep the equipment in safe working order.

Maintain the equipment according to manufacturer's recommendations when available.

Follow the manufacturer's recommendations for inspecting and testing. If there are no manufacturer's recommendations available, inspect and test annually.

Keep a record of inspections for a minimum of two years.

Make sure that modifications do not diminish the original level of safety.

Add safety precautions, resulting from modifications, to the operation manual, when available, and to the training information.

Not allow the use of damaged, malfunctioning, or defective equipment.

Ensure only qualified employees, trained and authorized by your management, or authorized service technicians are allowed to maintain and repair the equipment.

Qualified employees must demonstrate a proficiency in maintaining and repairing the equipment.

## Guard moving parts

### (3) You must:

- Have guards that prevent body parts from getting caught by moving parts during the equipment's cycle.
- Use sustained manual pressure controls when not using point of operation guarding.
- Make certain the point of operation is visible to the operator when using sustained manual pressure controls.
- Make sure the equipment manufactured with interlocks will not function with the gate or door open.

## Controls

### (4) You must:

- Clearly label the function of each control.
- Make sure controls are not subject to unintentional activation.
- Have stop controls that are red, a different size than other controls, and not recessed.
- Keep emergency stop controls readily accessible to the operator, or within 3 feet of the operating feed area or chute opening at equipment location.
- Provide a way to stop the complete operation of the baler or compactor at any point in the cycle.
- Require horizontal balers equipped with an automatic start, to have a minimum 5-second audible and visual warning when the startup control is activated. Before the main motor starts, there must be visual warning lasting for not less than 10 additional seconds.
- No alarm or delay is required when the horizontal baler is restarting from sleep mode.

## Access points for Maintenance or Repairs

### (5) You must:

- Make sure access covers
- Have functional interlocks or locks that require hand tools for removal.
- Have warning signs on compactors that read:  
Restricted Area, Authorized Employees Only,  
Warning – Stand Clear When Tailgate or Container is in Motion and During Loading and Unloading,  
Warning – This Compactor Starts Automatically,  
Warning – Gate Must Be Closed Before Operating This Compactor.
- Have warning signs on balers that read:  
CAUTION – Stand clear When Bale is Ejected,  
WARNING – This Baler Starts Automatically,  
DANGER – High Voltage,  
DANGER – Disconnect and Lock Out Power Before Opening This Panel
- Replace missing or defaced signs.

Note: Additional sign requirements are in ANSI Z245-2-1997 7.10 compactors and ANSI Z245.5 –1997 5.1.6. balers.

## Immediate work area

### (6) You must:

- Not allow clutter or waste material that causes a safety hazard or obstructs safe operation to accumulate around the operator station.
- Include warning signs at all loading points and the point of operation on automatic cycling equipment indicating that the baler or compactor starts automatically.

Stat. Auth: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 through 654.295.