

1021 REFUSE AND RECYCLING STANDARDS FOR COMMERCIAL, INDUSTRIAL, AND MULTIFAMILY DEVELOPMENTS

1021.01 PURPOSE

Section 1021 is adopted to:

- A. Implement the recycling and waste management policies of the Comprehensive Plan;
- B. Provide efficient, safe, and convenient siting and location of refuse and recycling areas;
- C. Provide efficient, safe, and convenient on-site maneuvering of collection vehicles, equipment, and personnel for servicing solid waste and recycling areas; and
- D. Achieve compliance with the Clackamas County Solid Waste and Waste Management Ordinance, Metro's Waste Reduction Program and Oregon Revised Statutes Chapter 459.

[Amended by Ord. ZDO-224, 5/31/11]

1021.02 APPLICABILITY

Section 1021 applies to all development and expansions of the following uses pursuant to the application and procedural Design Review requirements of Section 1102:

- A. Multifamily developments of five units or more;
- B. Commercial and industrial developments; and
- C. Uses subject to Section 800 of this Ordinance.

[Amended by Ord. ZDO-224, 5/31/11]

1021.03 DEFINITIONS

The following terms are hereby defined, consistent with the provisions of the Clackamas County Solid Waste and Waste Management Ordinance (SWWMO). The SWWMO definitions shall prevail for those terms not specifically defined in Subsection 1021.03.

- A. Compactor: Any self-contained, power-driven, mechanical equipment designed for the containment and compaction of solid waste or waste or recyclable materials.
- B. Container: A receptacle with wheels, one cubic yard or larger in size, used to

store solid waste or waste or recyclable material, but not a drop box or compactor.

- C. Drop Box: A single container designed for the storage and collection of large volumes of solid waste or waste or recyclable materials, which is usually 10 cubic yards or larger in size.
- D. Receptacle: A can, cart, container, drop box, compactor, recycling bin, or any other means of containment of solid waste or waste or recyclable materials.
- E. Recycling Enclosure: A structure built consistent with the Oregon Structural Specialty Code and designed to provide shelter for compactors, containers, drop boxes, receptacles, or any other solid waste and recycling containment facilities.
- F. Recycling Shelter: A pre-manufactured structure designed for containment and storage of recyclable materials.
- G. Recycling/Solid Waste Service Area: An area designed and established for the purpose of satisfying the local franchised collection firm's service requirements.

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1021.04 GENERAL PROVISIONS

All commercial, industrial and multifamily development shall comply with the standards set forth in these provisions. Modifications may be granted when consistent with the local franchised solid waste and recycling collection firm's service requirements pursuant to Subsection 1021.10. Additionally:

- A. Compactors, containers, and drop boxes shall be located on a level Portland Cement concrete pad, a minimum four inches thick, at ground elevation or other location compatible with the local franchise collection firm's equipment at the time of construction. The pad shall be designed to discharge surface water runoff to avoid ponding.
- B. Recycling and Solid Waste Service Areas:
 1. Recycling receptacles shall be designed and located to serve the collection requirements for the specific type of material.
 2. The recycling area shall be located in close proximity to the garbage container areas and be accessible to the local franchised collection firm's equipment.
 3. Recycling receptacles or shelters located outside a structure shall have lids and be covered by a roof constructed of water and insect resistive material.

The maintenance of enclosures, receptacles and shelters is the responsibility of the property owner.

4. The location of the recycling area and method of storage shall be approved by the local fire marshal.
5. Recycling and solid waste service areas shall be at ground level and be accessible to the franchised solid waste and recycling collection firm.
6. Recycling and solid waste service areas shall be used only for purposes of storing solid waste and recyclable materials and shall not be a general storage area to store personal belongings of tenants, lessees, property management or owners of the development or premises.
7. Recyclable material service areas shall be maintained in a clean and safe condition pursuant to the provisions of the Clackamas County Solid Waste and Waste Management Ordinance.

C. Special Wastes or Recyclable Materials:

1. Environmentally hazardous wastes defined in Oregon Revised Statutes 466.005 shall be located, prepared, stored, maintained, collected, transported, and disposed in a manner acceptable to the Oregon Department of Environmental Quality.
2. Containers used to store cooking oils, grease, or animal renderings for recycling or disposal shall not be located in the principal recyclable materials or solid waste storage areas. These materials shall be stored in a separate storage area designed for such purpose.

D. Screening and Buffering:

Screening and buffering shall be in accordance with Section 1009.05.

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1021.05 ENCLOSURES AND GATES

- A. Gates shall be designed to permit sufficient service access for local franchised solid waste collection equipment and personnel.
- B. The gate swing shall be free of obstructions and have restrainers in the open and closed positions.
- C. Enclosures constructed of wood or chain link fencing material shall contain a two- to four-inch high bumper curb at ground level located 12 inches inside the perimeter of the outside walls of the enclosure or fencing to prevent damage from container impacts.

- D. Enclosures constructed of concrete, brick, and masonry block or similar type materials shall contain a bumper curb described in Subsection 1021.05(C) or a bumper rail to prevent damage from container impacts. The rail shall be secured by anchor bolts recessed in the rail within the perimeter walls of the enclosure at a height compatible with the service receptacle.
- E. All areas around the receptacles shall be kept free of obstructions and accumulations of waste matter, grease, oil, water, and standing water.

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1021.06 RECEPTACLE DESIGN STANDARDS

The following provisions shall apply to the design and location of receptacles.

- A. Containers: Enclosures shall be designed consistent with the following standards:
 - 1. Length and width of the service container.
 - 2. A minimum of two feet, including pad area, shall be provided around the sides and rear of each container.
 - 3. A minimum three feet, including pad area, shall be provided in front of each container for maneuverability in depositing garbage or recyclable materials. In cases where the containers face each other, a minimum four feet shall be provided.
 - 4. Containers two cubic yards or less in size shall be provided with a minimum nine feet of unobstructed overhead or vertical clearance for servicing.
 - 5. Containers greater than two cubic yards in size shall be provided with a minimum 20 feet of unobstructed overhead or vertical clearance for servicing.
- B. Drop Boxes and Compactors:
 - 1. The size of the pad shall be at least 14 feet wide and at least five feet longer than the length of the drop box or compactor.
 - 2. Setbacks:
 - a. The pad shall be located a minimum of two feet from any perimeter wall or structure.
 - b. Drop boxes and compactors shall be located a minimum of five feet from any combustible wall, structure, opening, or overhang. This may

be reduced to a minimum of two feet provided the pad is located adjacent to a noncombustible wall, structure, opening, or overhang.

3. Loading dock areas shall have a guide rail and bumper stop placed at ground level or at dock level where the rear of the drop box or compactor is to rest to protect any enclosure, wall, or structure from damage due to loading or unloading.
4. Compactors shall be compatible with collection equipment and weight limits prescribed by state and local law. The local franchised collection firm shall be consulted for equipment compatibility and service demands.
5. Weekly collection and disposal of putrescible waste is required by the Clackamas County Solid Waste and Waste Management Ordinance. More frequent collection may be required to prevent nuisance conditions when use and capacity of the receptacle(s) is inadequate to provide clean and safe conditions.
6. The maintenance of privately owned compactors and the area surrounding the compactor is the responsibility of the property owner.

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1021.07 VEHICLE ACCESS

- A. The minimum safe vehicular access to the front of a service container pad, shelter, or enclosure shall be a length of 45 feet and width of 12 feet.
- B. Vehicle access to service a drop box or compactor shall include the pad length as required in Subsection 1021.07(A) plus a minimum of 65 feet in front of the loading hook placement position.
- C. The vehicular access to a pad or enclosure shall be hard-surfaced consistent with the off-street parking provisions of Section 1015.
- D. In the absence of an on-site through street or driveway, a cul-de-sac with a minimum 50-foot turning radius shall be provided for vehicle maneuvering at the end of a private dead end street or driveway. A standard emergency services hammerhead turnaround, consistent with the County's standards for road improvements, may be granted in lieu of the cul-de-sac when the design is approved by the local fire district.
- E. The percent of grade for access to the pad or enclosure shall not exceed three percent. Exceptions may be granted when compatible with the equipment manufacturer's specifications and consistent with Subsection 1021.10.

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1021.08 SIGNS

"No Parking" signs shall be placed in a prominent location on the enclosure, or shelter, and painted on the pavement in front of the enclosure, or shelter, to provide unobstructed and safe access for servicing receptacles. Signs clearly identifying recycling containers and type of recyclable material shall be placed on each respective container and maintained at all times.

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1021.09 EXISTING DEVELOPMENTS

- A. Developments existing prior to September 21, 1994, that implement an on-site recycling program shall provide improvements consistent with these provisions. Additionally:
 - 1. Shelters or enclosures used to house or store recyclable materials shall be designed to complement the existing development; and
 - 2. Screening and buffering of the recycling area, shelter, or enclosure shall be in accordance with Subsection 1009.05.

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1021.10 EXCEPTIONS

Modifications to the provisions of Section 1021 may be permitted when the changes are consistent with the purpose of Section 1021 and the County receives written evidence from the local franchised solid waste and recycling firm that the proposed changes:

- A. Are compatible with the firm's methods of operation; and
- B. Will not result in an increase in the cost of service.

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