

**APPENDIX I
RECREATIONAL VEHICLE PARKS**

I. 101 GENERAL

The requirements set forth in this appendix shall apply specifically to all new recreational vehicle (hereafter called RV) parks, and to additions to existing parks as herein defined, and are to provide minimum standards for sanitation and plumbing installation within these parks, for the accommodations, use and parking of RV's.

I. 102 DEFINITIONS

Definitions contained in Chapter 2 shall also apply to this appendix except where the following special definitions shall apply.

AIR LOCK – a condition where air is trapped in a drain or drain hose and retards or stops the flow of liquid waste or sewage.

CENTER – of a manufactured home or RV is the longitudinal center-line located midway between the right and left side.

COMBINATION COMPARTMENT – a shower stall with or without a door, which provides for or includes a water closet. It is sized for occupancy of only one person.

DEPARTMENT HAVING JURISDICTION – the administrative authority or other law enforcement agency having jurisdiction over this regulation.

DEPENDENT RV – an RV not equipped with a water closet.

DRAIN HOSE – the approved type hose, flexible and easily detachable, used for connecting the drain outlet to a sewer inlet connection.

DRAIN OUTLET – the lowest end of the RV plumbing drain to which the terminal end of the drain hose is connected.

INDEPENDENT RV – one equipped with water closet and a bath or shower.

INLET COUPLING - the terminal end of the water system to which the water service connection is made. It may be a swivel fitting or threaded pipe end.

INTERMEDIATE WASTE HOLDING TANK – (RV's only) an enclosed tank for the temporary retention of water-borne waste.

LENGTH – the distance measured from the tip of the hitch to the part farthest to the rear of a manufactured home or RV.

PARK SEWER SYSTEM – the entire system of drainage piping used to convey sewage or other wastes from the RV drain outlet connection, at its connection to the RV site, to a public sewer or private sewage disposal system.

PARK WATER SUPPLY SYSTEM – all of the water supply piping within the park, extending from the main public supply or other source of supply including branch service lines to the RV service connection, fixture devices, service building and appurtenances thereto.

RV PARK – a site, lot, tract or parcel of land upon which three or more RV's are parked, for the temporary or permanent use as living quarters of one or more families.

SERVICE BUILDING – a building housing toilet and bathing facilities for men and women, with or without laundry facilities.

SEWER LATERAL – that portion of the park sewer system extending from the main sewer to an RV site.

TEMPORARY PARKING SITE – a site without a sewer or water connection or both, for the purposes of allowing an RV to park for not more than 3 consecutive days.

RECREATIONAL VEHICLE (RV) – a portable structure, either self propelled, towable, or carried by a vehicle that is not covered by the Alabama Manufactured Housing Administration or building code requirements. It is used as a dwelling whether temporary or permanently.

RECREATIONAL VEHICLE SANITARY SERVICE STATION – a receptacle connected to the sewer, with a wash down water supply protected from backflow, used for emptying waste holding tanks. And a separate potable water supply for RV's that are not parked at a site.

I. 103 GENERAL REGULATIONS

I. 103.1 Governing Provisions

The general provisions of the International Plumbing Code, as adopted by the Mobile County Health Department, shall govern the installation of plumbing systems in RV parks, except where special conditions or construction are specifically defined in this appendix.

I. 103.2 Recreational Vehicle Sites

I. 103.2.1 RV's shall not hereafter be parked in any RV park unless there are provided plumbing and sanitation facilities installed and maintained in conformity with these regulations. Every RV shall provide a gastight and watertight connection for sewage disposal, which shall be connected to an underground sewage collection system discharging into a public or private disposal system.

Exception: Sites designated as "Temporary Parking Only" shall not be required to provide separate sewer and water connections.

I. 103.2.2 No dependent RV shall be parked at any time in a space designed and designated for an Independent RV or Temporary Parking, unless public toilet and bath facilities are available within 200 ft (61m) of the dependent RV.

I. 104 **PLANS AND SPECIFICATIONS**

The owner or operator of every RV park, before providing areas of space for the use and accommodation of independent RV's, shall make application for a permit and file two sets of plans and specifications with the Mobile County Health Department Onsite Division. The plans and specifications shall be in detail as follows:

1. A scaled plot plan of the park, indicating the spaces, area, or portion of park for the parking of independent RV's and dependent RV's and temporary parking.
2. Size, location and specification of the park sewer system.
3. Size, location and specification of water supply lines and their location.
4. Size, location and layout of service building and RV sanitary service station.
5. Size, location, specification and layout of the fire protection system if required by Mobile County.
6. A scaled layout of typical RV sites.
7. Applications shall bear the approval of the local enforcement agencies as to compliance with city or county plumbing, zoning and health ordinances.
8. Plumbing required by this article shall comply with all city or county plumbing and health ordinances and regulations.
9. The issuance of a permit shall not constitute approval of any violation of this article or of any city or county ordinance or regulation.
10. An approved set of plans and a copy of the permit shall be kept on the park premises until the final inspection has been made.

I. 105 **SERVICE BUILDINGS and SANITARY SERVICE STATIONS**

I. 105.1 **Minimum Facilities**

I. 105.1.1 Each RV Park shall have at least one service building and one sanitary service station, to provide necessary sanitation and laundry facilities. Those parks servicing independent RV's need provide only minimum facilities. However, a service building with adequate laundry facilities and storage locker rooms is most desirable. Facilities in service buildings must meet ICC/ANSI A117.1-2003 for handicap accessibility.

I. 105.2 **Independent RV's**

The service buildings of only independent RV parks shall have a minimum of one laundry tray; one water closet, one lavatory, one shower or bathtub for women and one water closet, one lavatory and one shower or bathtub for men.

I. 105.3 **Dependent RV's**

The service buildings in parks that also accommodate dependent RV's shall have a minimum of one laundry tray; two water closets, one lavatory, one shower or bathtub for women. And one water closet, one urinal, one shower or bathtub for men. The above facilities are for a maximum of ten dependent

RV's. For every ten additional dependent RV's, the following additional fixtures shall be provided: One laundry tray and one shower or bathtub for each sex, one water closet for every ten additional dependent RV's for women and one water closet for every 15 additional dependent RV's for men.

I.105.4 Laundry's

Laundry trays and washing machines, if any, shall be contained in a room separate from the toilet rooms.

I. 106 GENERAL REGULATIONS AND MATERIALS

Unless otherwise provided for in this appendix, all plumbing fixtures, piping, drains, appurtenances and appliances designed and used in park sewer, water supply system, and service connections shall be installed in compliance and conform to the quality and weights of materials required by the International Plumbing Code as adopted by the Mobile County Health Department.

I. 107 PARK SEWER SYSTEM

I. 107.1 The main sewer and sewer laterals shall be installed in a separate trench not less than 5 ft (1524 mm) from the park water service or distribution system. (See 603)

I. 107.2 The minimum size of pipe in any RV park sewer system shall be 4 inches.

I. 107.3 Each RV shall be considered as a minimum of six fixture units in determining discharge requirements in the design of park sewer and sewage disposal systems.

I. 107.4 Minimum grade for sewers shall be so designed that the flow will have a mean velocity of 2 ft per second (0.6096 m/s) when the pipe is flowing half full.

I. 107.5 The discharge of a park sewer system shall be connected to a public sewer. Where a public sewer is not available, an individual sewage disposal system shall be installed, of a type that is acceptable and approved by the Mobile County Health Department.

I. 107.6 Manholes and cleanouts shall be provided as required in Chapter 7. Manholes and cleanouts shall be accessible and brought to grade.

I. 107.7 The main sewer shall be provided with a minimum 4 inch vent, not more than 5 ft (1524 mm) downstream from its upper trap. Long mains shall be provided with additional relief vents at intervals of not more than 200 ft (61m) thereafter, if the manhole covers are not of the perforated type. These relief vents shall be a minimum of half the diameter of the sewer, and shall be securely supported and extended a minimum of 10 ft (3048 mm) above ground.

I. 107.8 Branch lines or sewer lateral to individual RVs shall be not less than 4 inch diameter.

I 107.9 Sewer inlets shall be 4 inch diameter and extend above grade 3 to 6 inches (76 to 152 mm). Each inlet shall be provided with a gas-tight seal when connected to an RV, and have a gas-tight seal or plug for use when not in service, and shall be protected from traffic.

I. 107.10 Each RV site shall be provided with a house trap. Sewer laterals over 30 ft (9144 mm) from the main park drainage sewer shall be individually vented and provided with a cleanout brought to grade.

I. 107.11 To provide the shortest possible drain connection between the RV outlet and drain inlet, all drain inlets shall terminate with reference to the site location of the RV.

I. 107.12. Drain connection shall slope continuously downward and form no traps. All pipe joints and connections shall be installed and maintained gastight and watertight.

I. 107.13 No sewage, wastewater or any other effluent shall be allowed to be deposited on the surface of the ground.

I. 107.14 Testing the System

Upon completion and before covering, the park drainage system shall be subjected to a static water test. The water test shall be applied to the drainage system either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed, except the highest opening and the system shall be filled with water to point of overflow. If the system is tested in sections, each opening shall be tightly plugged except the highest opening of the section under test and each section shall be filled with water, but no section shall be tested with less than 5 ft head of water (15kPa). In testing successive sections, at least the upper 5 ft (1524mm) of the next preceding section shall be tested, so that no joint or pipe in the system shall have been submitted to a test of less than a 5 ft head of water (15kPa). The water shall be kept in the system, or in the portion under test, for at least 15 minutes before inspection starts; the system shall then be tight at all points.

I. 108 WATER DISTRIBUTION SYSTEM

I. 108.1 General

Every RV site, which is supplied with water, shall be provided with an individual branch service line delivering potable water. The outlet of the branch service line shall terminate on the left side of the site of the RV. All risers shall be securely supported and protected from freezing.

I. 108.2 Minimum Size

Water service lines to each RV site shall be sized to provide a minimum of 4 gpm (0.505 L/s) at the point of connection with the RV distribution system.

I. 108.3 Backflow and Service Shutoff

I. 108.3.1 A backpressure backflow preventer or reduced pressure principle backflow preventer shall be installed on the branch service line to each independent RV at, or near, the RV service connection. Backflow prevention devices shall be of an approved type certified by a recognized testing agency as to compliance and performance outlined herein. Valves shall be designed and maintained to close drip

tight at a reduced pressure of not less than 1 or more than 5 psi (6.9 to 34.5 kPA). Valves must be identified with the manufacturer's name and model number.

I.108.3.2 A separate service shutoff valve shall be installed in each branch service line on the supply side of the backflow prevention device.

I. 108.4 Water Service Connection

The service connection shall be not less than ½ inch diameter; no rigid pipe may be used. Flexible metal tubing is permitted. Fittings at either end shall be of a quick disconnect type not requiring any special tools or knowledge to install or remove.

I. 109 RV SEWER CONNECTIONS

I. 109.1 Responsibility

When it is evident that there exists, or may exist, a violation of these rules, the owner, operator, lessee, person charge of the park or any other person causing a violation shall cause it to be corrected immediately or disconnect the water service connection and RV sewer connection from the respective park branch service line and sewer lateral.

I.109.2 Sewer Connections

RV sewer connections shall be of approved semi-rigid or flexible reinforced hose having smooth interior surfaces of not less than 3 inches inside diameter. Sewer connections shall be equipped with a standard quick disconnect screw or clamp type fitting, not less in size than the outlet. Sewer connections shall be gastight and no longer than necessary to make the connection between the RV outlet and the trap inlet on the site.

I. 110 MAINTENANCE

All devices or safeguards required by this appendix shall be maintained in good working order by the owner, operator or lessee of the RV park, or his designated agent.