

## 4.18 Portable Sanitation Units

Revision: March 20, 2015

Installer registration permit: Not applicable

Licensed professional engineer required: No

### 4.18.1 Description

Portable sanitation units are prefabricated, portable, self-contained toilets that may be housed in trailers or as stand-alone units used for special or temporary events, construction sites, parks, and other events or locations with restroom needs.

### 4.18.2 Approval Conditions

1. Permanent sewage disposal facilities are not available.
2. All units must be serviced by a pumper with equipment that is permitted through a health district under IDAPA 58.01.03.
3. Units must be manufactured to meet the most current version of ANSI standard Z4.3.
4. Chemicals and biologicals, if used in the waste container, must be compatible with the final disposal site. Chemicals considered hazardous wastes must not be used.
5. Toilets shall contain an adequate supply of toilet paper and hand sanitizer (potable water hand-washing stations may be supplied instead of hand sanitizer).

### 4.18.3 Units Required

1. Table 4-14 and Table 4-15 provide work site requirements.
2. Table 4-16 provides special event requirements.
3. Campouts and overnight event requirements are at least 1 unit for every 50 participants.
4. The following should be taken into consideration when selecting the number of units for an event:
  - a. If the units are serving an event with food and beverage service 10%–20% more units should be added to the recommended totals in Table 4-15.
  - b. Traffic flow.
  - c. Outside temperature (i.e., on warmer days attendees will take in more liquids).
  - d. Special needs (e.g., changing tables, children use, handicapped accessibility).
  - e. Urinals may be substituted for one-third of the total units specified if facilities will not serve women.

**Table 4-14. Portable units required per number of employees if the units are serviced once per week.**

Total Number of Employees	Minimum Number of Units (8-hour days/40-hour week)
1–10	1
11–20	2
21–30	3
31–40	4
Over 40	1 additional unit for each 10 additional employees.

**Table 4-15. Portable units required per number of employees if the units are serviced more than once per week.**

Total Number of Employees	Minimum Number of Units (8-hour days/40-hour week)
1–15	1
16–35	2
36–55	3
56–75	4
76-95	5
Over 95	1 additional unit for each 20 additional employees.

**Table 4-16. Portable unit requirements for number of people per event hours based on a 50/50 mix of men and women.**

Number of People	Number of Hours for the Event									
	1	2	3	4	5	6	7	8	9	10
0–500	2	4	4	5	6	7	9	9	10	12
501–1,000	4	6	8	8	9	9	11	12	13	13
1,001–2,000	5	6	9	12	14	16	18	20	23	25
2,001–3,000	6	9	12	16	20	24	26	30	34	38
3,001–4,000	8	13	16	22	25	30	35	40	45	50
4,001–5,000	12	15	20	25	31	38	44	50	56	63
5,001–10,000	15	25	38	50	63	75	88	100	113	125
10,000–15,000	20	38	56	75	94	113	131	150	169	188

Number of People	Number of Hours for the Event									
	1	2	3	4	5	6	7	8	9	10
15,000–20,000	25	50	75	100	125	150	175	200	225	250
20,000–25,000	38	69	99	130	160	191	221	252	282	313
25,000–30,000	46	82	119	156	192	229	266	302	339	376
30,000–35,000	53	96	139	181	224	267	310	352	395	438
35,000–40,000	61	109	158	207	256	305	354	403	452	501
40,000–45,000	68	123	178	233	288	343	398	453	508	563
45,000–50,000	76	137	198	259	320	381	442	503	564	626

#### 4.18.4 Service Requirements

1. Work site units should be serviced weekly.
2. Special events with more than 500 people in attendance should have a service attendant on site during the event.
3. The employer, event promoter, or manager must be responsible for the hygiene and use of each portable sanitation unit.
4. Units should be serviced and removed from a site as soon as possible after the completion of an event.
5. All equipment used to pump or transport sewage from a portable sanitation unit must be permitted by an Idaho health district under the requirements of IDAPA 58.01.03.
6. All sewage removed from a portable sanitation unit must be disposed of at a location approved by the health district or DEQ through the pumper’s permit application.