

Petroleum Operations Building. FAC 1444

CATCODE: 121111

OPR: AF/A4LE

OCR: AFCEC/COS, AFPET/PTOT

1.1. **Description.** The petroleum operations building is a centralized facility for the management and control of all base functions related to the handling of petroleum products.

1.2. **Requirements Determination.** See **Category Group 12, Liquid Fueling and Dispensing Facilities Overview.**

1.3. **Scope Determination.** The size of the facility depends on the number of personnel assigned to manage fuels. See [Table 1.1](#) for Petroleum Operations building sizes.

Table 1.1. Petroleum Operation Building Sizes.

Personnel	Gross Area	
	m ²	ft ²
1 to 50	255	2,750
more than 50	358	3,850

1.4. **Dimensions.** The petroleum operations building includes a laboratory for conducting prescribed tests. The smaller building requires approximately 30 m² (315 ft²) of laboratory space for equipment and working area; the larger building requires 33 m² (352 ft²). This space requires year-round environmental control. The petroleum operations building should be located adjacent to the refueler vehicle parking area.

1.4.1. The petroleum operations building also requires (1) a ready room for fueling operators; (2) administrative offices; (3) a fuels control center; (4) men's toilet and locker room and women's toilet and locker room; (5) conference room and classroom; (6) a vehicle checkpoint and operator maintenance room; and (7) an emergency shower and eyewash in the work area in accordance with AFOSH Std 91- 38, *Hydrocarbon Fuels* and ANSI Z358.1-2004, *American National Standard for Emergency Eyewash and Shower Equipment*.

1.4.2. The 23 m² (250 ft²) vehicle checkpoint operator maintenance room may be in a separate building if it is operationally desirable or if adding the room onto an existing petroleum operations building is impractical. The room contains working space for a vehicle maintenance inspector, storage space for small replacement parts, and benches and equipment for vehicle operators to use in performing minor repair work.

1.4.3. An additional bulk storage operations building of approximately 42 m² (450 ft²) is necessary to provide office space and latrine for bulk fuel storage personnel, if this building is immediately adjacent to the storage facility. If a site is not available adjacent to the storage facility, provide the bulk storage operations building adjacent to the primary storage area.

1.5. Design Considerations. Installations with waterfront unloading facilities require a small storage building on-shore near the facilities for pollution control activities. Requirements are given under Liquid Fuel Off-Shore Unloading Facility (**CATCODE 163311**) and UFC 3-460-01.