

delivery of the high explosive to the assembly line. All buildings of this area are designed for maximum safety to personnel and heavily barricaded to reduce property damage in the event of explosion.

Facilities are also present for the inert loading of rocket heads for use as target and test rounds.

The flight testing, to determine satisfactory performance, of rockets is conducted in a cleared area approximately 8 miles long and 1 mile wide in the northern section of the depot. This flight test range is equipped with various types of test launchers and numerous observation towers are located along the sides of the range to permit visual spotting of fired rounds and transmission of data to main control tower for plotting. Temperature control equipment installed at the flight test range permits rocket motors to be fired at temperatures equal to the most rigorous service conditions encountered under combat. Photographic coverage through the use of synchronized high speed motion picture cameras is used to determine and assist in analysis of any malfunctions.

A fuse test range is located adjacent to the flight test range. This test facility is employed to determine the acceptability of rocket fuses. Rockets equipped with test fuses are fired through vertical plate targets to determine their functioning characteristics. Spotting from control towers and photographic coverage is used to determine serviceability of fuses.

The naval ordnance plant is serviced transportationwise by the Chicago Rock Island & Pacific (freight), Missouri Pacific (freight and passenger), St. Louis-Southwestern (freight and passenger). In addition, the Southwestern Transportation Co., Arkansas Motor Freight, Herrin Transportation Co., Tri-State Warehouse & Distribution Co., Texarkana-Nashville Motor Freight Lines, also provide plant transportation facilities.

III. WORKLOAD BY PROGRAMS

Maintenance and modification.

Receipts, stowage, and issue.

Material disposal.

Aircraft rockets.

Aircraft ammunition loading.

BRIEF OF U.S. NAVAL AMMUNITION DEPOT, OAHU, HAWAII

I. MISSION

The mission of the depot, as approved by SECNAVNOTE 5450 of September 4, 1959, is as follows:

"To receive, renovate, maintain, store, and issue ammunition, explosives, expendable ordnance items and/or weapons and technical ordnance material and to perform additional tasks as directed by the Bureau of Naval Weapons."

II. DESCRIPTION

The naval ammunition depot headquarters at Lualualei is located approximately 35 miles from the city of Honolulu in a valley that is ringed by the Waianae Range except toward the southwest where the valley opens to the Pacific Ocean. It occupies 8,184 acres of land.

West Loch branch consists of 1,088 acres of land bounded on the north and northeast by waters of the West Loch of Pearl Harbor, on the south and southwest by Pearl Harbor Reservation and on the west by fields on the Ewa Plantation Co. West Loch is 20 miles from Honolulu and about 18 miles from Lualualei.

Waikele branch consists of 528 acres and is in and borders on a juncture of three large gulches. Opening into the gulches are tunnel magazines originally constructed by the U.S. Army in 1942. This branch is 19 miles from Honolulu, 18 miles from headquarters and 10 miles from West Loch.

There are 1,000 buildings on the three branches of the depot. A total of 407 magazines are located at the Lualualei, West Loch, and Waikele branches capable of storing approximately 100,000 tons of all types of ammunition and explosives. Provisions for storing approximately 40,000 tons of bomb type ammunition in open storage areas, should the need arise, are available within the areas of the three branches.