

Project Name

Utility Technical Study, Marine Corps Air Station, Iwakuni, Japan

Client / Owner

U.S. Navy, Pacific Division, Pearl Harbor, Hawaii

Year Completed

2000

Project Description & Firm's Responsibility

The reassignment of certain U.S. air squadrons from Okinawa to Iwakuni created a shift in land use and may affect the planned runway relocation. An assessment of the adequacy of the existing utility systems at Iwakuni to serve the station's present and future needs was necessary.

Work included field investigation of potable water and sewerage systems at MCAS Iwakuni. The technical report not only consisted of an assessment of the adequacy of the systems but also included masterplanning of both the water and wastewater facilities to accommodate the runway relocation, new housing, and new operational facilities. Hydraulic modeling was conducted to determine alignment and size of the proposed water lines. The wastewater master plan identified deficiencies in the existing system, proposed new sewer alignments, the need for new pump stations, and the cost effectiveness of a new consolidated wastewater treatment facility to replace the four small existing treatment plants.

