# Precision Leak Measurement Report

Customer Information: FISC Red Hill
Pearl Harbor, HI

Project Manager: Mr. Christopher Caputi

Mass Technology Site Supervisor Jimmy Wolford

Scope of Work: Furnish all required management, labor, services, materials and equipment to perform precision tightness testing of Tank # 9 an underground fuel storage tank located at FISC Red Hill, Pearl Harbor, HI.

Report compiled by: Larry D. Speaks Date: 03-20-2008
Larry D. Speaks

I declare under penalty of perjury that I am a licensed tank tester in the State of California and that the information contained in this report is true and correct to the best of my knowledge.

Test performed by: Date: 03-20-2008
Jimmy Wolford

License number: 90-1286

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# Executive Summary

**Testing of the 12,600,000 gal underground storage tank located at FISC Red Hill, Pearl Harbor, Hawaii commenced February 27, 2008 and was completed March 11, 2008. The tank was filled with JP-5 and a precision leak test was conducted. The result of that test indicates the tank is tight. Testing was performed using Mass Technology Corporation protocols set out in the third party evaluations. All tank valves were adequately secured such that any fluid loss was isolated to leakage. Therefore, the containment integrity of the tank was not compromised and the test is considered conclusive.**

**Tank 9: After 240 hours of testing the tank is certified tight.**

## Tank Data Tank 9

**Diameter:** **100 ft.** **Height:** **250 ft.**
**Tank Type:** **Vertical Underground**
**Contents:** **JP-5**
**Properties:** **0.82 Specific Gravity**
**Product Level:** **210 ft.**

## Test Data

**Start Date:** **02-27-2008**
**Completion Date:** **03-11-2008**
**Unit Operator:** **Jimmy Wolford**

## Test Results

**Certified Tight**

## Summary of Results

**The fluid mass data was recorded over a 240-hour test period. A linear regression of the recorded fluid mass data resulted in no leak detected above the minimum detection level of 0.5 gallons per hour. All tank valves were adequately secured such that any fluid loss was isolated to leakage. Therefore, the containment integrity of the tank has not been compromised and the tank is considered not to be leaking.**