

Challenge:

- Customer required a pipeline integrity company capable of offering a turnkey array of services to fully inspect a jet fuel pipeline within a prescribed timeline
- State and Federal rules required strict safety and environmental controls

Scope of Work:

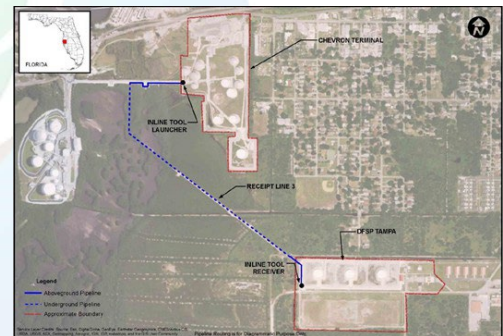
- Ultra-High Definition MFL In-Line Inspection
- Fuel transfer & filtering
- Pipeline cleaning
- Gauge pigs
- NDE & API-570,
- Survey - Sub-centimeter
- AGM ILI Tracking,

Turnkey Pipeline Integrity Services

McDill Air Force Base – Tampa, Florida – Jet Fuel System Inspection

Background

The US Army Corps of Engineers ("USACE") through the Defense Logistics Agency ("DLA") manages the MacDill Air Force Base Fuel System that is mission critical with ongoing operations. The 8-inch single-wall carbon steel pipeline was constructed in 1950. The pipeline is 4,225 feet that runs from the Chevron Fuel Terminal to the Defense Fuel Support Point on the base. MacDill AFB is an active United States Air Force installation located 4 miles south-southwest of downtown Tampa, Florida. The "host wing" for MacDill AFB is the 6th Air Refueling Wing, assigned to the 18th Air Force of the Air Mobility Command. With a total force of more than 689,000 personnel, air force personnel work to support all aspects of airpower, which includes five core missions: air superiority, global strike, rapid global mobility, intelligence, surveillance and reconnaissance, and command and control. MacDill AFB's mission is "Unmatched Air Refueling and Installation & Mission Support". Cypress was selected to execute this turnkey pipeline integrity inspection.



"Best and cleanest operation in my 20 years at this terminal" – CHEVRON

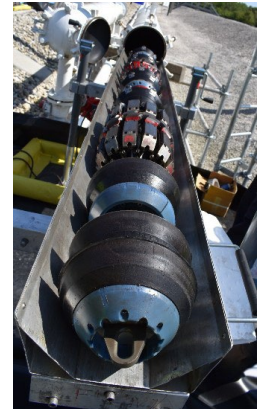
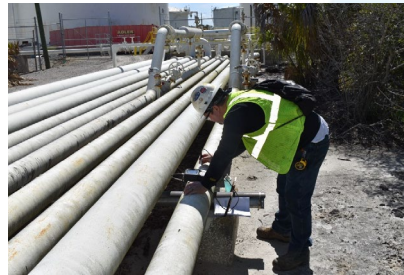
"Would like to commend Cypress for executing a flawless and professional pipeline telemetry project." - USACE
"Great job! Zero spills, zero injuries. Win, win! Great working with everyone... truly professionals." – DLA

The Problem

In order to meet the inspection date requirements based on federal and state compliance mandates, USACE needed to find an integrity company that was able to receive the jet fuel pipeline system and perform the product flow and inspection operations in a very short amount of time and return the system back to normal operating standards for aircraft mission readiness. All aspects of the project required expedited deliverables without compromise to the quality, safety, and environmental elements of the scope.



Sequenced Turnkey Inspection & Integrity Service



- Proper planning and coordination were key to the successful completion of this project.
- Platform scaffolding was assembled to protect the pipeline system
- Effective spill containment berms were utilized
- Job Safety Analysis meetings were conducted
- Once all equipment was rigged up, jet fuel was transferred to the launch terminal to the assigned frac tanks to ready the cleaning and gauging pig operations.
- In parallel with the rig up, the API-570 inspection was conducted to maintain the safety and mechanical integrity of the pipeline
- Sub-centimeter AGM survey was completed during the cleaning and gauging pig operation.
- **EcoVision™** Ultra-High Resolution MFL ILI inspection commenced negotiating multiple 45°-90° 1.5D bends and traversed the pipeline with ease and success.
- After the ILI run, equipment was de-rigged, and all resources demobilized
- Fuels were restored to their original state and routed back to the designated storage tank.

Results from the Project

The turnkey pipeline inspection was successfully executed on time, safely, and without impact to the environment, attributed to the quality of Cypress personnel, technology, work ethic, expertise, and external agency cooperation. With the proven multiple service capability that Cypress In-Line Inspection offers, the value provided to the Energy and Oil & Gas industries is unlimited. We remain solutions-driven and safety-conscious with the highest degree of qualitative responsiveness. Cypress In-Line Inspection remains ready to serve your pipeline integrity needs via multiple or singular services.