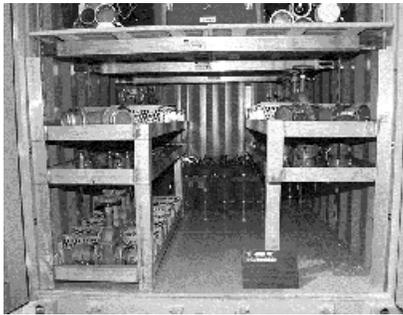


FSSP Now at DDRT

By Marilou Nelson, DDRT Public Affairs

The Fuel System Supply Point (FSSP) is a battlefield fuel supply system consisting of collapsible fabric storage tanks, pumps, filter separators, fittings, adapters, and hoses. It is the Army's primary means of receiving, storing, filtering and issuing bulk fuel in the rear and forward to the battlefield. The current FSSPs are older and are not containerized, hindering shipping, storing, and maintenance.



FSSP couplings and valves.

The Army identified these shortfalls and decided it needed to provide FSSPs that were complete, containerized and compatible with the International Standards Organization (ISO) intermodel transport modes.

Defense Distribution Red River, Texas (DDRT) was given the challenge to design the packaging, assemble the components, package, mark and test these first containerized FSSPs. Assembly and containerization of the FSSP began at DDRT this summer.

In simple terms, "this is a mobile gas station that can go anywhere for refueling, storage and recovery," said Nan Beedle, one of the DDRT staff who worked on the FSSP project.



FSSP water separator.



DDRT was tasked to consolidate all existing and newly configured components for the ease of the user. Consideration was given to assuring that components were assembled to allow for maximum use should a TRICON become separated from the rest. Each unique configuration of TRICONS was sent to Aberdeen Proving Grounds for rail impact testing prior to final decision on configuration. The rail impact test was a complete success and DDRT is proceeding with completion of the first assemblies.

The FSSP is capable of receiving bulk fuel from a variety of sources, and issuing bulk fuel to all types of bulk storage and



FSSP pumping unit

transportation systems. The capacity and layout of this bulk storage system can be tailored to situational requirements ranging from a few thousand to several hundred thousand gallons. It is capable of rapid emplacement and recovery and can be transported to the operational site by a wide variety of transportation assets. Used by division and corps units, the FSSP is the primary system for receiving, storing and issuing fuel within the theater of operation.

"The FSSP is a critical element of the Army Force Projection effort," said Steve Woolery, U. S. Army Tank & Automotive Command (TACOM), Petroleum & Water Systems Program Management Office. "Fossil fuel powered vehicles and equipment are useless without fuel and lots of it. The FSSP along with other fuel system supply and distribution systems make that equipment much more than just a very expensive yard ornament."

The FSSP capacity can be varied as the mission requires, Woolery said. "It can receive, store, segregate and issue fuel at the wholesale and retail level in quantities from 30,000 gallons on up to 800,000 gallons depending on the configuration and mission. It can do this in austere environments. It provides the user the capability to perform their mission with a great deal of flexibility."

When the FSSP is containerized the Army will have the capability to ship it on any commercial or military truck, train or vessel, to anywhere in the world.

"The Army will be able to perform much better with this excellent system. For the soldier in the field this is an excellent innovation. This is a great accomplishment for the employees here at DDRT and I am especially proud of these DDRT employees who spearheaded the project, Ron Goff, Nan Beedle and Susan Smith," said LTC Charles Young, USA, DDRT Commander.

Keep up the good work!

FSSP ready to be shipped.

