

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE K		PAGE OF PAGES 1 12	
2. AMENDMENT/MODIFICATION NO. 0004		3. EFFECTIVE DATE See Blk. 16C		4. REQUISITION/PURCHASE REQ. NO. N/A	
5. PROJECT NO. (If applicable)		6. ISSUED BY DEFENSE ENERGY SUPPORT CENTER, ROOM 2954 8725 JOHN J. KINGMAN ROAD, SUITE 4950 FT. BELVOIR, VA 22060-6222 FAX 703-767-9044 BUYER/SYMBOL – ERIN S. RALPH/DESC-BZD PHONE - (703) 767-9294 PPNs: 2.99		7. ADMINISTERED BY (If other than Item 6) CODE SC0600	
8. NAME AND ADDRESS OF CONTRACTOR (NO., street, city, county, State, and ZIP Code)		9a. AMENDMENT OF SOLICITATION NO. X SP0600-04-R-0054-0002		9b. DATED (SEE ITEM 11) May 21, 2004	
		10a. MODIFICATION OF CONTRACT/ORDER NO.		10b. DATED (SEE ITEM 13)	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<p>[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended, [X] is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u> 1 </u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10a.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor [X] is not, [] is required to sign this document and return ___ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible..)					
SEE ATTACHED PAGES					
Except as provided herein, all terms and conditions of the document referenced in Item 9a. or 10a., as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME OF CONTRACTING OFFICER JOY E. MULLORI		
15B. NAME OF CONTRACTOR/OFFEROR BY _____ (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED

SF30

A The following changes are made to Solicitation SP0600-04-R-0054-0002:

1. The following paragraphs are added to the subject solicitation:
 24. The estimated travel time via tank truck from the Jordanian border to Al-Assad, Iraq is approximately 10 to 12 hours to cover the approximate 430 to 450 kilometer distance. The estimated travel time via tank truck from the Jordanian border to Al-Taquddem, Iraq southeast of Al-Ramadi, approximately 10 hours from the border. Offerors should estimate one day of travel to the destination, one day for discharge of product, and one day of travel for return to the Jordanian border.
 25. The loss tolerance is 0.5%. The Government will require reimbursement from the contractor for any loss that exceeds this amount.
2. The clause entitled, CONTRACTOR INSPECTION RESPONSIBILITIES, contained in the supplemental solicitation is deleted and replaced on page 3 of the subject amendment.
3. The clause entitled, TANK TRUCK LOADING, is added to the solicitation and can be located on page 11 of the subject amendment.

CONTRACTOR INSPECTION RESPONSIBILITIES

(a) QUALITY CONTROL PLAN.

(1) The Contractor is required (unless otherwise instructed by the Government) to provide and maintain an inspection system and a written description (Quality Control Plan (QCP)) acceptable to the Government. The Contractor has the option to provide and maintain an inspection system that, as a minimum, incorporates the requirements of: Q91 (ISO9001) Quality Systems - Model for Quality Assurance in Design/Development, Production Installation, and Servicing, or Q92 (ISO9002) Quality Systems - Model for Quality Assurance in Production and Installation. If the Contractor chooses to comply with Q91 or Q92 quality system format, all the specific Quality Assurance Provisions of this contract must be included in the Q91, Q92 written quality plan. The QCP shall be established and reviewed for adequacy by the Quality Representative (QR) prior to commencement of production or services. The copy of the QCP provided to the QR shall be in English. An acceptable QCP is required prior to Government inspection and acceptance of supplies or services. The QCP shall be reviewed and updated when deemed necessary. It will be updated anytime that changes are made to the inspection system or as identified by quality problems. The Contractor must sign and date each revision to the QCP and require subcontractors to sign and date each revision to the subcontractor's QCP.

(2) The Contractor shall require subcontractors (unless otherwise instructed by the Government) to provide and maintain inspection systems and QCPs that are acceptable to the Government.

(3) The QCP shall include an identification of key operational positions, a schematic diagram of plant facilities pertinent to the inspection system indicating all inspection points, and a description covering the following operations relating to the supplies to be furnished under the contract:

(i) **RECEIVING.** Procedures used to assure quality of additives blended into product supplied under this contract;

(ii) **BLENDING AND COMPOUNDING.** Identification of component base stocks used to produce finished product.

Procedures to be used for adding, prior to batching, all required additives at all locations. When procedures for in-line blending of non-aviation products in accordance with the IN-LINE BLENDING OF NON-AVIATION PETROLEUM PRODUCTS clause are used, the QCP will provide for establishing blend ratios, and identify the responsible personnel within the Contractor's organization authorized to establish the blend ratios. When procedures for line injection of additives for products in accordance with a clause that contains LINE INJECTION OF ADDITIVES as used, the QCP will provide procedures for proportionately injecting additives throughout the entire loading process to ensure the additive is homogeneously blended into the jet fuel, procedures for maintaining recordings evidencing the homogeneous blending of all line injected additives. Prior to shipment, a procedure for a laboratory hand blend of jet fuel with all additives required by the contract shall be tested to verify compliance with the required specification;

(iii) **SAMPLING.** Procedures for sampling additives, blend tanks, shipping tanks, lines, and conveyances/containers in accordance with API Manual of Petroleum Measurement Standards (MPMS), Chapter 8, Section 1, (ASTM D 4057) Sampling of Petroleum and Petroleum Products, and/or Section 2, (ASTM D 4177), Automatic Sampling of Petroleum and Petroleum Products. Procedures include location of sample taken, frequency, quantity, minimum tests required on sample, and sample retention procedures. NOTE: For f.o.b. origin tanker, barge, and pipeline shipments, a flow-proportional sample taken in accordance with MPMS Chapter 8.2, Automatic Sampling, is required at the custody transfer point. For other than f.o.b. origin shipments, Automatic In-Line Sampling is preferred at the custody transfer point, but representative samples taken in accordance with MPMS Chapter 8, Section 1, are acceptable. See Table I, Minimum Sampling and Testing Requirements, and Table II, Sample Retention, below;

(iv) **TESTING.** Types of tests and test methods/procedures to be performed on samples taken from each location identified in (iii) above, and may be incorporated by test method reference in the QCP, if complete reference is available at the place of performance. See Table III, "Definition of Test Series." below;

(v) **CALIBRATION.** Program for testing and measuring equipment in accordance with ISO 10012-1, "Quality Assurance Requirements for Measuring Equipment, Part 1, or equivalent local regulation as appropriate; and, a program for meters used to determine quantity complying with the American Petroleum Institute Manual of Petroleum Measurement Standards, Chapters 4, 5, and 6, or equivalent foreign standard. For items not covered by ASTM, API or IP publications, the applicable manufacturer's recommended calibration method, or methods outlined in the applicable industry publication, shall be used if acceptable to the Government;

(vi) **STORAGE AND HANDLING.** Procedures for quality determination and maintenance of physical equipment necessary to ensure product integrity. Includes a description of storage and handling equipment including tanks, lines, valves, and manifolds used; identification of dedicated/common product system including description of line segregation and controls to assure capability for proper gauging, sampling, draining of water, filtration, circulation, drying; and identification of any other process/system used in maintaining product integrity during storage and handling;

(vii) **LOADING AND SHIPPING, GENERAL.** Procedures for product movement and related quality/quantity checks from shipping tank(s) to custody transfer point in order to maintain product integrity. Provide description of transfer system from shipping tank to transfer point in order to maintain product integrity. System must be a dedicated or properly isolated common system incorporating blind flanges, spectacle plates, or double valves between them to prevent contamination. Single valves designed to provide the same protection are also acceptable if positive isolation is assured. Systems with single valve (excluding twin seal single valves) isolation require specific procedures be included in the QCP to assure product integrity after the last single valve and prior to the acceptance point. When single valves are present in the system, the Contractor shall provide their quality control procedures from the first single valve to the custody transfer point at time of bid to the contracting officer for determination of acceptability. Procedures for conditioning and testing of improperly isolated systems to the custody transfer point (including loading arm and hoses used). For in-line blending of non-aviation products, where approved in this contract, requirements must comply with the IN-LINE BLENDING OF NONAVIATION PETROLEUM PRODUCTS clause;

(viii) **LOADING AND SHIPPING - TANK CARS, TANK TRUCKS, AND INTERMODAL CONTAINERS.** Inspect conveyances prior to loading to determine quality/quantity suitability to load as follows: All compartments have been prepared in accordance with Table IV, Conversion Chart for Tank Cars, Tank Trucks, and Intermodal Containers, below. Preparation requirements include hoses. Conveyances carrying lubricating oil will be dry and free from loose rust, scale, and dirt. Conveyances carrying other products will be dry and substantially free from loose rust, scale and dirt. (Procedures to confirm, prior to loading, quality and quantity of product in conveyance when requested by the ordering office to "load on top." Reject conveyance if product cannot be identified or product on board does not meet specification of intended load product. Provide for documentation of load on top occurrences for volume of product prior to load, loaded quantity, and total volume on board the conveyance. Confirm quality and quantity of loaded conveyance.) Provide for investigating discrepancies in either recorded quality or quantity. When required by the contract, seal conveyance and record seal numbers on the DD Form 250. Strainers and filters shall be located as near the loading or filling point as practicable and shall be used as outlined below for all deliveries except deliveries into tanker, barge, or pipeline.

(A) All aviation fuel shall be passed through strainers of 100 mesh or finer screen;

(B) All lubricating oil products, including preservatives, having a kinematic viscosity at 100°F of 20.0 centistokes or less shall be passed through a 100 mesh or finer screen;

(C) All lubricating oil products, including preservatives, having a kinematic viscosity greater than 20.0 centistokes at 100°F, but less than 22.0 centistokes at 210°F, shall be passed through a 60 mesh or finer screen; and

(D) The Contractor shall furnish and periodically inspect strainers and filters pursuant to this paragraph to determine condition and perform maintenance as necessary, keeping a written record thereof.

(ix) **LOADING AND SHIPPING - TANKERS AND BARGES.**

(A) **For f.o.b. destination Contractor-supplied tankers/barges.** State procedures to be used to ensure vessels are suitable to load the intended product.

(B) **For f.o.b. origin Government supplied tanker/barges.** Procedures for maintaining time log of all significant events/delays including vessel notice of readiness, vessel arrival, docking, vessel deballasting, and conditioning of cargo tanks, inspections, hoses connected, starts, stops, release, or any other event that affects laytime of the vessel. Procedures for assuring condition of loading line (full of tested product, all air bled and pressure packed) and gauging shore tanks, both before and after loading. Procedures for preload discussion between Contractor, vessel, and QR to include, but not be limited to, prior three cargoes, cleaning procedures, loading plan, loading rates, sampling requirements, and after loading sampling and gauging. (Prior to loading - sample, gauge and test intransit cargoes designated for load on top. Sample (1 gallon), gauge, and retain any other product on board, except for JP-7 or JP-TS.) All cargo quantities will be calculated and volume corrected both before and after loading. Procedures for commencement of loading into one tank (up to 3 feet). Then switching to at most two other vessel tanks during sampling and testing (Table I). Procedures for the transportation of samples from vessel to the testing facility. Monitoring the loading from source to vessel, investigating irregularities immediately, stopping loading if necessary. Procedures for investigating discrepancies in quality (mandated if off-specification or out of testing tolerance) and quantity (mandated if ship to shore variance is greater than 0.5 percent or figures suspect) on loaded conveyance.

(C) **For both f.o.b. origin and destination supplied tankers/barges.** Procedures for immediately notifying the QR when irregularities occur or are suspected and on all occasions when loading is interrupted. Procedures for completing and distributing required documentation prior to release of the vessel. Documentation includes DD Form 250-1 and DD Form 250-1 continuation sheet, ullage reports, bills of lading, customs documentation, and results of quality/quantity investigations. **Authority to release a Government furnished vessel rests with the Government QR after compliance and completion by the Contractor of all required operations, including the preparation of the DD Forms 250-1.**

(x) **RECORDS AND REPORTS.** To include at a minimum, test reports on product and additives, additive blending and/or injection records, vessel port logs, vessel notice of readiness, calibration documents, and the DD Forms 250 and 250-1 and continuation sheet(s). These records and reports will include by whom, where, and how prepared, and retention information. The DD Form 250-1 and DD Form 250-1 continuation sheet(s) will be signed by the Contractor in the appropriate block before presenting to the QR). The DD Form 250 and DD Form 250-1 shall identify type, brand name, and amount of additive(s).

(xi) **CORRECTIVE ACTION.** Actions to be followed to effect correction of any deficiency affecting product quality or quantity determination, such as handling of off-specification product (waivers, conveyance rejections, etc.). The corrective action procedures shall include notification of the QR.

(4) The QCP shall identify one individual to serve as a point of contact for quality/quantity matters relating to the inspection system described in the plan.

(5) The Contractor is responsible for all inspection systems, QCPs, and product quality and quantity.

(6) The Government QR will be available to review and discuss the Contractor's proposed QCP; however, the Contractor shall remain responsible for developing and describing acceptable quality control procedures.

(b) The Contractor shall perform all inspection and acceptance tests required by the specifications of the supplies to be furnished under this contract or shall have such tests performed in a laboratory acceptable to the Government. When such tests are performed at origin on supplies to be accepted at destination, documentation that will enable verification of the original test results shall be provided to the Government at the time of acceptance.

(c) The Contractor may inspect Government-furnished tankers and barges prior to loading unless specifically prohibited by the Government QR. All other shipping conveyances, exclusive of tankers or barges, shall be inspected by the Contractor prior to loading to determine suitability for loading. If the Contractor and the QR disagree as to the suitability for loading of Government furnished conveyance for supplies to be accepted at origin, the determination of the QR shall govern. If the SHIPMENT AND ROUTING clause is included in the contract, Government-furnished transportation equipment that is unsatisfactory for loading shall be reported by the Contractor in accordance with the provisions contained in that clause. Procedures to determine suitability to load tank trucks and tank cars shall include but not be limited to visual inspection of interior compartments to assure cleanliness and dryness. Manifolds must be drained and be clean and dry for intended product.

(d) When requested by the U.S. Government, the Contractor shall furnish no more than five (ten in the case of jet fuel) 1-gallon samples of liquid product or five 1-pound samples of solid or semi-solid product from any individual batch or lot of the supplies to be furnished under this contract. Such samples shall be furnished without charge to the Government and shall be packed, marked, and shipped by the Contractor, at its expense.

(e) The Contractor shall keep all quality and quantity records, including DD Form 250-series documents, complete and available to the Government during the performance of this contract and for three years after final payment under this contract.

(f) Immediately following award of this contract, the Contractor shall notify the QR of the source or sources of the supplies to be furnished under any item calling for delivery f.o.b. destination. The Contractor shall also notify the QR of any changes in source in sufficient time to permit inspection by the Government.

(g) The inspection system and related operations provided or performed pursuant to this clause shall be subject to surveillance by the QR.

TABLE I

MINIMUM SAMPLING AND TESTING REQUIREMENTS⁽¹⁾

LOCATION	WHEN SAMPLED	TYPE OF SAMPLE	TYPE OF TEST
1. Refinery/Terminal Shipping Tank	Each Batch Prior to Commencement of Shipping	All Level or Single Tank Composite	A (2)
2. Shipping Line (All Modes): Dedicated Line Common Line	Prior to Loading/Shipping	Line	C B
3. Custody Transfer Point	Immediately After Start of Shipment	Line	C
4. Tanker/Barge/Pipeline Custody Transfer Point	During Loading/Shipment	Representative Sample See Note, paragraph E1.a.(iii)	Retain Only
5. Tanker/Barge/Pipeline Custody Transfer Point	Hourly	Line	Visual (3) plus additive analysis for FSII & SDA, if line injected
6. Tanker/Barge First-In	After maximum of 3 feet loaded	Spot	C - plus Particulate and additive analysis for FSII & SDA, if line injected
7. Tanker/Barge	After Loading	Each Compartment	Workmanship, Density
8. Tanker/Barge	After Loading	Multi-Tank Composite of Each Product Loaded	B
9. Tank Car/Truck Loading Rack	After change of source tank.	Line	C - plus additive analysis for FSII & SDA, if line injected
10. Tank Cars/Truck/ Intermodal Containers	After Filling	All-Level	Workmanship and Conductivity: C - When loading lubes and FSII

NOTES FOR TABLE I:

- (1) AT THE GOVERNMENT'S OPTION, FULL SPECIFICATION TESTING MAY BE REQUIRED AT THE CUSTODY TRANSFER POINT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH THE GOVERNMENT WITH SATISFACTORY EVIDENCE OF SPECIFICATION COMPLIANCE.
- (2) AFTER A TYPE C TEST ON AN UPPER, MIDDLE, AND LOWER SAMPLE VERIFIES BATCH CONFORMANCE TO HOMOGENEITY REQUIREMENT. HOMOGENEITY REQUIREMENT IS DEFINED AS WHEN THE UPPER, MIDDLE, AND LOWER SAMPLE TEST RESULTS (MINIMUM - DENSITY/API GRAVITY) FALL WITHIN THE REPRODUCIBILITY LIMIT ESTABLISHED BY THE TEST METHOD.
- (3) CONTINUOUS IN-LINE ANALYZERS (I.E., DENSITY AND/OR FLASH POINT) ARE ACCEPTABLE, IN LIEU OF HOURLY EVALUATIONS, IF QUALITY IS ASSURED. WHEN CONTINUOUS IN-LINE ANALYZERS ARE PRESENT IN THE SYSTEM, THE CONTRACTOR SHALL PROVIDE ITS QUALITY CONTROL PROCEDURES AT TIME OF OFFER TO THE CONTRACTING OFFICER FOR DETERMINATION OF ACCEPTABILITY.

TABLE II

SAMPLE RETENTION

TYPE OF SAMPLE	MINIMUM QUANTITY	RETENTION PERIOD
Bulk Additives	2 Liters	Until Receipt and Quality Verification of New Lot/Batch
Drummed Additives	1 Liter	When Stocks Exhausted
Shipping Tank(s)	20 Liters - for Aviation Fuels and Lubricating Oils 10 Liters - for all other Fuels	45 Days
Composite Line (Tanker/Barge)	20 Liters - for Aviation Fuels and Lubricating Oils 10 Liters - for all other Fuels	45 Days
Composite Line (Pipeline)	20 Liters - for Aviation Fuels and Lubricating Oils 10 Liters - for all other Fuels	45 Days
Tank Truck/Car, Intermodal Container	1 Liter	15 Days (Lubes - 45 days)
Tanker/Barge Composite	20 Liters - for Aviation Fuels and Lubricating Oils 10 Liters - for all other Fuels	45 Days
Tanker/Barge Each Compartment	0.5 Liter	45 Days

TABLE III

DEFINITIONS OF TEST SERIES

- I. TYPE A: Includes all specification quality conformance tests plus any additional contractual requirements.
- II. TYPE B & C: As shown in the table below for each product. Properties and test methods will be in accordance with the product specification for each grade identified in the solicitation/contract.

TEST PROPERTIES	AVGAS		TURBINE FUELS		MOGAS		DIESELS/ KEROSENE		BURNER FUELS		LUBES		FSII
	B	C	B	C	B	C	B	C	B	C	B	C	C
Appearance	*	*	*	*	*	*	*	*			*	*	*
Particulate content	*		*								*		
Filtration Time			*										
Color	*	*	*	*	*	*	*	*			*	*	
Density <i>or</i> API Gravity or Specific Gravity	*	*	*	*	*	*	*	*	*	*	*	*	*
Distillation	*		*		*		*						
Corrosion, Copper Strip	*		*		*								
Existent Gum	*		*		*								
Carbon Residue							*		*				
Lean or Rich Ratings	*												
Reid Vapor Pressure	*		*		*								
Water Reaction			*										
Lead Content	*												
Freeze Point			*										
Flash Point			*	*			*	*	*	*	*	*	
FSII Content			*										
Microseparator			*										
Conductivity			*										
Sediment & Water									*	*			
Viscosity									*		*	*	
Water Content									*		*	*	*
Foam Test											*	*(1)	

* THE PROCEDURE TO BE USED FOR CONDUCTING THESE TESTS WILL BE AS STATED IN THE APPROPRIATE PRODUCT SPECIFICATION AND/OR CONTRACT.

(1) Only ASTM D 892 sequences 1 and 2 will be performed.

TABLE IV

CONVERSION CHART FOR TANK CARS, TANK TRUCKS, AND INTERMODAL CONTAINERS⁽¹⁾

LAST PRODUCT CARRIED (2)	PRODUCT TO BE LOADED				
	JET FUEL JP-4 JET B MOGAS AVGAS	JET FUEL JP-5 JP-8 JET A/A1 DF-A, DL-A DFW KSN, KS1	DIESEL FUEL F76 (B) DF-1, 2 DL-1, 2	LUBRICATING OILS	FSII
AVGAS MOGAS JP-4 JET B	DRAIN EMPTY	STEAM DRY	STEAM DRY	STEAM DRY	STEAM DRY
JP-8, JP-5 JET A/A1 DF-A, DL-A DFW, KSN, KS1	DRAIN EMPTY (B)	DRAIN EMPTY (B)	DRAIN EMPTY (C)	STEAM DRY (B)	STEAM DRY (B)
F-76 DF-1, -2 DL-1, -2 ASTM D 975 NO. 1D, 2D ASTM D 396 NO. 1, 2	STEAM DRY (B)	DRAIN EMPTY (B)	DRAIN EMPTY (C)	STEAM DRY (B)	STEAM DRY (B)
ASTM D 396 NO. 4L, 4, 5L, 5H, 6 IFOs ASTM D 975 NO. 4D	NO LOAD	NO LOAD	NO LOAD	NO LOAD	NO LOAD
LUBRICATING OILS	NO LOAD	NO LOAD	STEAM DRY	DRAIN EMPTY (A)	NO LOAD
JET FUEL JPTS, JP-7	DRAIN EMPTY	DRAIN EMPTY	DRAIN EMPTY	STEAM DRY	STEAM DRY
FSII	DRAIN EMPTY	DRAIN EMPTY	DRAIN EMPTY	STEAM DRY	DRAIN EMPTY

NOTES FOR TABLE IV:

(1) When required, drain and empty includes the pump(s), filter(s), meter(s), and hose(s) as applicable.

(2) If a product is not listed in this column, permission to load and conveyance preparations require a waiver.

- (A) Applicable only when loading the same specification lubricating oils; otherwise, steam and dry.
- (B) If previous cargo contained dye marker, all traces of color must be removed.
- (C) If product to be loaded does not contain dye, the vehicle must not contain any traces of dye prior to loading.

TANK TRUCK LOADING

1. **Transport Equipment.** For movement of JP-8 under this Solicitation (SP0600-04-R-0054-0002) aluminum, stainless steel, or epoxy-coated tank truck trailer compartments are preferred. If the contractor will use mild-steel tank trucks trailer compartments, then the cleaning regimen as outlined in Paragraphs 3 and 4, below, will be followed. The contractor's inspection, flushing, and cleaning procedures, as well as testing capability, either in-house or through a contracted service, will be available for review and approval by the DESC Quality Representative (QR). **NOTE: Once truck trailers enter into JP-8 service, they are to carry only JP-8 or Jet A-1.**
2. **Inspection and Loading Log.** The contractor will establish and maintain a log, showing those truck trailers that have been examined and accepted or rejected. For those that were rejected, the contractor will identify the cleaning procedure to be used, or identify that the truck trailer will not be used. For those truck trailers that have been examined and accepted, the contractor will identify the quantity loaded @ 15C as well as the test results on samples taken as required by the clause: Contractor's Inspection Requirements. In both cases the trailer identification number will be used to identify the equipment, as well as the dates the equipment was inspected, accepted, rejected, cleaned, or loaded. Seals (numbered) will be used to secure the trailer domes, manifold valves, and connectors after loading, and these seal numbers will be identified on the log. The Contractor will need to have the capability of preparing a DD Form 250, Material Inspection and Receiving Report. At the end of each day the Contractor will prepare a DD Form 250 for the total quantity of fuel (net volume in U.S. Gallons at 60 F/15C) issued for that day. The daily transport truck fill log will be attached to the daily DD 250 and forwarded to the USG Quality Representative (QR).
3. **Truck Trailer Cleaning Requirement.** All trailers used to transport JP-8 under DESC contract shall be cleaned in accordance Table IV of the clause: Contractor's Inspection Requirements.
4. **Truck Trailer Cleaning Procedure.** The following will be used as a basis for cleaning trucks, converting for transporting JP-8, or when it is suspected that a trailer has been used to carry a product other than JP-8. The contractor will examine each conveyance to be used to transport JP-8 to U.S. Forces to ensure that:
 - a. Compartments are clean, dry and free of all moisture.
 - b. Equipment carrying products will be substantially free from loose rust, scale and dirt.
 - c. Compartments contain no residue of previous products.
 - d. All manifolds and discharge lines have been opened and drained dry.
 - e. **After the truck is loaded, each individual tank compartment will be checked at the manifold for appearance. The manifold will be flushed at full flow until the samples taken at the manifold are found clear and bright and free from sediment and water.**
5. **Quantity Determination.**
 - a. For loading of preferred equipment (aluminum/ stainless steel / epoxy-coated), the quantity loaded into the tank trailer may be determined by the terminal meter or by tank gauging/dip rod, strapping chart, or by weight as described below in subparagraph b.
 - b. When using mild-steel trailer compartments, quantity will be determined after flushings have shown JP-8 to be clear and bright and free from sediment and water. The net quantity will be determined taking the difference of the weight of the truck trailer before loading, and then after flushing is complete. The net weight will be converted to a net volume of U.S. Gallons at 60F/15C. Record all quantities loaded into the logbook, identifying the date loaded, tank trailer number and test results of samples after loading (Appearance and Conductivity). As a reminder, all JP-8 used to flush compartments, lines and manifolds for determining of acceptance before

loading, or for checking product after loading, will be at the cost to the contractor. In this case, Paragraph 7(a)(1), DETERMINATION OF QUANTITY, does not apply.

6. **Testing.** Contractor will either test or have tested the JP-8 samples as outlined in the clause: Contractor Inspection Responsibilities. The testing facilities will be located within the country of Jordan. Testing for Appearance and Conductivity should be accomplished after loading and before departure of the truck and trailer. If a Conductivity meter is not available on site, then the samples should be tested within 4 hours of loading. Results of samples from trailers that have departed that show failure, may be required to return and emptied at contractors cost. Contractor is required to show testing certificate of product from origin to the QR to verify reproducibility and repeatability limits.

Additional Chemical Testing. For all other chemical testing of product and/ or additives that may be required, test results need to be available within 12 hours after a sample is taken – as a normal requirement; expedited testing should be available within 4 hours after having been taken.