SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
	ENERGY QAP E1.01	January 2012	

E1.01 CONTRACTOR RESPONSIBILITY FOR GOVERNMENT INSPECTION OF SERVICES (DLA ENERGY JAN 2012)

If any inspection or test is made by the Government on the premises of the Contractor or subcontractor, the Contractor without additional charge shall provide all reasonable facilities and assistance for the safety and convenience of the Government inspectors in the performance of their duties.

SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

DEFENSE ENERGY SUPPORT CENTER
8725 JOHN J. KINGMAN RD
FORT BELVOIR, VIRGINIA 22060-6222

DISTRIBUTION STATEMENT - A

APPROVED FOR PUBLIC RELEASE

DISTRIBUTION IS "UNLIMITED"

[redacted]

ITEM
ENERGY QAP E1.01

NSN

CODE ID NO.
52838

SIZE | SCALE | DRAWING NUMBER

SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
	ENERGY QAP E1.11	March 2000	

E1.11 QUALITY CONTROL PLAN

(a) Upon award, the Contractor shall prepare, in triplicate and in English, a Quality Control Plan (QCP). Prior to the first receipt of Government-owned product into the facility, two copies of the QCP shall be forwarded to the Contracting Officer and one copy to the assigned Quality Assurance Representative for approval.

(b) The QCP shall include the following quality control procedures employed by the Contractor.

(1) Receiving (both product and additives);

(2) Blending;

(3) Sampling;

(4) Testing;

(5) Storage and handling;

(6) Loading and shipping;

(7) Calibration program for testing and measuring equipment in accordance with ISO 10012-1, "Quality Assurance Requirements for Measuring Equipment, Part I." Equivalent local regulation, as appropriate, may be used as well. Whichever program used must include a section addressing meter proving (used to determine quantity) and must comply with the American Petroleum Institute Manual of Petroleum Measurement Standards, Chapters 4, 5, and 6, or equivalent foreign standard. For any item that requires calibration but is not covered by ASTM, API, or IP publications, the applicable manufacturer's recommended calibration method(s) outlined in the applicable industry publication shall be used if acceptable to the Government;

(8) Quantity measurement;

(9) Records and reports; and

(10) Corrective action procedures (to include, but not be limited to, procedures for notification of Quality Representative, actions to be taken on discovery of off-spec product during receipts/shipments, upgrading procedures for Contractor-caused contamination, leaks, etc.). The QCP shall also include an organizational chart of key personnel and their responsibilities and a schematic diagram of the facility with key inspection/activity points marked for each product handled.

(c) The QCP shall require that each Contractor employee be familiar with its content and shall state that it must be reviewed semiannually and revised as needed. Revision should occur when any change is made to the inspection system, when any corrective action needs to be incorporated due to quality problems, and as otherwise necessary. The Contractor shall sign and date each revision of the QCP.

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DISTRIBUTION STATEMENT - A	[redacted]	DATE 11/12/2013	ITEM ENERGY QAP E1.11		
APPROVED FOR PUBLIC RELEASE		DATE 11/20/2013	NSN MULTIPLE		CODE ID NO. 52838
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SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	DLA ENERGY QAP E18	FEB 2017	FEB 2017

ENERGY QAP E18 (FEB 2017) INSPECTION AND CLEANING OF BULK PETROLEUM STORAGE TANKS (DLA ENERGY)

(a) The Contractor shall maintain and make available upon request the following historical data relative to each storage tank provided:

(1) Date and type of construction;
(2) Name of installing contractor;
(3) Product service (past and present) and dates;
(4) Date of last cleaning/physical entry inspection and contractor's name;
(5) Structural condition based on cycle inspection at the time of cleaning or repair;
(6) Record of tank repairs;
(7) Tank dimensions and capacity;
(8) Inspection and tank cleaning frequency (date of next mandatory inspection, when tank out of service, required);
(9) Tank coating history;
(10) Tank strapping charts;
(11) As built drawings (if available); and
(12) Records of product tests and trends.

(b) At the Contractor's expense, the Contractor shall empty, inspect, and clean each bulk petroleum storage tank and dispose of all tank bottom waste for each tank furnished under this contract at the following intervals. When tank cleaning does take place, the Contractor, at his own expense, shall be responsible for providing alternate tankage and transferring the remaining product to that tankage. Such tankage shall be suitable for storing the transferred product and shall be of equal or greater capacity than the tankage being cleaned. Any proposed reduction in the storage capacity cited in the contract must be approved by the Contracting Officer in advance.

(1) **AVIATION FUEL STORAGE TANKS.**

(i) Every 4 years for uncoated storage tanks without an inlet-filter separator.

(ii) Every 6 years for either a coated tank without an inlet filter separator, or for an uncoated tank with an inlet-filter separator.

(iii) Every 8 years for coated tanks with an inlet-filter separator.

(iv) For storage tanks with direct receipt of fuel from barge or tanker, the frequency for physical entry inspection and cleaning will be 3, 5, and 8 years for (i), (ii), and (iii) above, respectively.

(v) Tanks will be emptied, cleaned, and inspected more frequently than the periods stated in (i) through (iv) above when sample analysis indicates a build-up of sediment in the tanks.

(vi) A delay in tank inspection and cleaning may be authorized if the cause for the delay is justified and approved, in advance, by the Contracting Officer.

(2) **GROUND AND MARINE FUEL STORAGE TANKS.** Tanks will be emptied, cleaned, and inspected when sample analysis indicates a build-up of sediment in the storage tanks.

(c) The time for cleaning will be measured from the date of the last cleaning regardless of whether the tank was under contract with DLA Energy at the time of the last cleaning.

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DISTRIBUTION STATEMENT - A	PREPARED BY [redacted]	DATE [redacted]	ITEM DLA ENERGY QAP E18		
APPROVED FOR PUBLIC RELEASE	REVIEWED BY	DATE	NSN MULTIPLE		CODE ID NO. 52838
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SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	DLA ENERGY QAP E18	FEB 2017	FEB 2017

(d) Samples will be taken and tested at Government expense. If tank cleaning is required earlier than the criteria listed in (b)(1) above and the Government is shown to be at fault, then the Government will be responsible for cleaning, sampling, and testing costs. In all other cases, tanks requiring cleaning will be removed from revenue and cleaned at the Contractor's expense.

(e) At the time of offer submission, the offeror shall provide the Contracting Officer with a listing of all tank inspections and cleanings, and other activities that would take a tank out of service, which are anticipated to occur during the contract period (see chart below). This listing shall include the tank number, location, reason for being out of service, dates the tank will be out of service and provisions that have been made to replace the tankage while it is out of service. Updates to the listing shall be sent to the Contracting Officer as soon as a change is known.

Tank Number	Location	Reason	Dates	Replacement Tankage

SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

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	ENERGY QAP E22.01	July 1992	

E22.01 QUALITY REPRESENTATIVE

The Quality Office assigned inspection responsibility under this contract is _____

_____.

SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)	DEFENSE ENERGY SUPPORT CENTER 8725 JOHN J. KINGMAN RD FORT BELVOIR, VIRGINIA 22060-6222

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SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
	ENERGY QAP E28	February 2022	2 February 2022

E28 CONTRACTOR INSPECTION RESPONSIBILITIES (STORAGE)

(a) Inspection and tests by the Government of services, facilities, and equipment specified within this contract does not relieve the Contractor from responsibility to meet all requirements of the contract.

(b) The Contractor shall furnish personnel, facilities, and equipment on-site to accomplish the following routine tests and procedures. These on-site resources may be provided by Contractor personnel or by a commercial source action on behalf of the Contractor. The Quality Representative will not be responsible for performing any of these services for the Contractor.

(1) Sampling of storage tanks, shipments and receipts in accordance with ASTM D4057, Standard Practice for Manual Sampling of Petroleum and Petroleum Products (API Manual of Petroleum Measurement Standards (MPMS), Chapter 8.1);

(2) Retaining of product composite samples from shipments and receipts as follows:

METHOD OF SHIPMENT	MINIMUM QUANTITY	RETENTION PERIOD
Pipeline	20 liters	60 days
Tanker/Barge		
Parcel Composite	20 liters	90 days
Each compartment	0.5 liters	90 days
Navy Fleet Oilers/Vessels	10 liters	60 days
Tank Truck/Car	1 liter	15 days

NOTE: After the minimum retention period, samples shall be tested for Appearance, Color (Visual), API Gravity/Density and Flash Point and, if found to be on-specification, shall be returned to like Government stock on-site. Sample containers may be reused if properly cleaned.

(3) Determining the presence of water in storage tanks, shipments and receipts. Ensure that accurate water cuts are obtained by means of a water indicating paste conforming to MIL-W-83779B. Two suggested sources are Stewart Hall Chemical Testmaster Water Indicating Paste or Sartomer Sar Gel Water Indicating Paste (see Note 2 below);

(4) Determining Density at 15 degrees Celsius or API gravity of products by ASTM D1298 or ASTM D4052 (see Note 2 below);

(5) Determining the temperature of products by the API MPMS, Chapter 7 (see Note 2 below);

(6) Determining the Appearance of applicable products using ASTM D4176, Procedure 1 (see Note 2 below);

(7) Determining the visual color of products.

(8) Determining the Flash Point of applicable products using test methods cited in the appropriate product specification (see Note 2 below);

(9) Conversion of gross to net gallonage (liters);

(10) Determining the percentage (volume) of fuel system icing inhibitor (FSII) by means of a portable refractometer in accordance with ASTM D 5006. One suggested source is H.B. Industries, Inc., Glenview, IL 60025 (B/2 Anti-Icing Additive test kit) (see Note 2 below); and

(11) Determining the range of fuel electrical conductivity using ASTM D2624. One suggested source for a conductivity meter is Emcee Electronics, Inc., Sarasota, FL 33581 (Model 1152) (see Note 2 below)

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	ENERGY QAP E28	February 2022	2 February 2022

Note 1: All costs for providing the above tests and procedures shall be included in the monthly service charge. The only exception to the Contractor's obligation to provide these services as part of the monthly service charge is when the tests described above are part of the higher order analysis (defined as the following categories: Composite Samples, Storage Tanks After Receipt, Interface Mixtures, Dormant Stocks and Individual Tests (including particulate contamination) found in the MIL-STD-3004-1 Table titled MINIMUM SAMPLING AND TESTING REQUIREMENTS FOR PETROLEUM PRODUCTS.

Note 2: Upon request, the Contractor shall permit the Quality Representative unrestricted use of the equipment and ancillary supplies needed to perform this test/procedure on behalf of the Government.

(c) During the contract, the Contractor shall furnish representative samples of the product in each storage tank, shipment or receipt at the request of, and in the manner and to the place designated by, the Quality Representative. Sample size will be 2 gallons for gasoline-type fuels and one gallon or 10 gallons for jet diesel-type fuels. The number of samples to be furnished during any 12-month period shall not exceed eight times the number of tanks specified in the contract. Such samples shall be packed, marked, and shipped by the Contractor, shipping expense prepaid, in containers and shipping boxes furnished by the Contractor. Sample containers shall be epoxy coated on the interior. This requirement is in addition to sampling required elsewhere in this contract provision and the contract. All reasonable direct shipping costs associated with samples required by this paragraph shall be reimbursed upon request from the Contractor and such costs shall not be included in the monthly service charge. However, all other costs related to this requirement shall be included as part of the monthly service charge.

SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SOAP)	DEFENSE ENERGY SUPPORT CENTER 8725 JOHN J. KINGMAN RD FORT BELVOIR, VIRGINIA 22060-6222			
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SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
	ENERGY QAP E34		

E34 TEST FOR SULFIDES IN WATER

(a) **SCOPE.** This method describes a procedure for determining the presence of hydrogen sulfide, which is sometimes formed as a result of bacterial action on the sulfates contained in water bottoms in fuel storage tanks. This test is to be performed in instances where deterioration of product is suspected, or where water bottoms are maintained in a storage tank. Recommended testing interval is monthly.
(b) **APPARATUS.** 250 ml conical flask.
(c) **MATERIALS.**
(1) Dilute (10%) chemically pure sulfuric or hydrochloric acid.
(2) Lead acetate paper.
(d) **SAMPLES.** Representative water samples from storage tank bottoms must be taken in a glass bottle. In some cases it will be necessary to take the water sample in a Bacon bomb bottom sampler. Samples so taken will always be transferred to a glass bottle. To preclude oxidation by air, the filled bottle must be capped immediately. The sample should be tested as soon as possible after sampling to minimize possible changes in the composition of materials in the water.
(e) **PROCEDURE.**
(1) The sample must be shaken thoroughly just prior to performing the test to make certain that any sediment present is included in the portion of the sample to be tested.
(2) Transfer 100 ml of the shaken sample into a conical flask. Add 20 ml of dilute (10%) chemically pure sulfuric or hydrochloric acid to the flask. Immediately place a piece of lead acetate paper folded in a "V" shape in the neck of the flask. Bring the water to a boil and continue to gently boil for three or four minutes.
(f) **REPORT.** The presence of sulfides in the sample will be reported as "Positive" if the lead acetate paper shows a black or brown discoloration.

SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

DISTRIBUTION STATEMENT - A

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SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
	ENERGY QAP E35	December 2011	

E35 NONCONFORMING SUPPLIES AND SERVICES

(a) DEFINITION**: As used in this contract provision:**

Deviation is defined as a written authorization granted after contract award and prior to manufacture of an item, to depart from a particular performance or design requirement of a contract, specification, or referenced document, for a specific number of units or specific period of time, normally the duration of the contract.

Extraordinary situation means the matter cannot await resolution until the next DLA Energy business day (0800 to 1630 hours EST, Monday through Friday, Federal Holidays excluded).

Waiver is defined as a written authorization granted after contract award to accept a configuration item or other designated item which, during production or after having been submitted for inspection, is found to depart from specified requirements, but nevertheless is considered suitable for use "as is" or after repair by an approved method. Approval is on a case-by-case basis and is normally for a set period of time.

(b) The Government may, at its discretion, accept nonconforming supplies or services. In such cases, the Contractor must obtain a deviation or waiver from the Contracting Officer prior to acceptance.

(c) The following procedures shall be used to request a deviation or waiver.

(1) Requests for deviations and waivers shall be submitted by the Contractor to the Contracting Officer with a copy to the appropriate Inspection Office referenced in the LIST OF INSPECTION OFFICES FOR DLA ENERGY CONTRACTS or QUALITY REPRESENTATIVE contract provision of this contract. Each request shall provide the following information: Contractor name; name and contact information of the contractor's authorized negotiator; contract number; contract line item number and product nomenclature, clause or contract provision number, paragraph and subparagraph, as appropriate; the nature of the request; the reason for the request; the corrective action being taken by the Contractor to correct and prevent recurrence of the condition(s) causing the nonconformance; and an agreement to pay an equitable price reduction, estimated and proposed by DLA Energy, over and above the administrative fee, contingent on the impact of the specific circumstances on DLA Energy relative to approval of the deviation or waiver.

(2) In extraordinary situations, the Contractor may initially submit a verbal request for a waiver, but not a deviation, to the Contracting Officer. Written requests shall be submitted to the Contracting Officer by the next DLA Energy business day (0800 to 1630 hours EST, Monday through Friday, Federal Holidays excluded). If the Contracting Officer cannot be reached, the Duty Officer shall be contacted to provide the necessary information to the proper individuals as soon as possible. The Duty Officer's telephone number is **(800) 286-7633** or **(703) 767-8420.**

(3) If a deviation or waiver is granted, the contract will be modified to accept the nonconforming supplies or services and to require the Contractor to provide an equitable price reduction or other adequate consideration commensurate with the deviation or waiver being granted. If the situation warrants, a deviation or waiver may be granted without prior agreement on price reduction or other consideration, subject to agreement by the Contractor, or its representative, to subsequent negotiation. Such an agreement, in addition to a brief description of the terms of the deviation or waiver, shall be documented on the shipping document or other appropriate correspondence. After negotiations, failure to agree on adequate consideration shall be a dispute concerning a question of fact within the meaning of the Disputes paragraph of the CONTRACT TERMS AND CONDITIONS - COMMERCIAL ITEMS contract provision of this contract.

(4) If a deviation or waiver is granted and the nonconforming supplies are accepted, then in no event will consideration be less than $500, which covers administrative costs, plus any additional cost of Government reinspection or retest, if necessary.

5) If a deviation or waiver is granted modifying this contract, but the supplies accepted are subsequently determined to be in conformity with contract specifications, the Contractor shall still be obligated to pay the consideration originally agreed upon in support of the deviation or waiver. If, however, this consideration exceeds $1000, a second contract modification shall be issued reducing the Contractor's obligation to $1000 (the administrative cost of issuing the two required modifications), plus, if appropriate, any cost of Government reinspection or retest performed as a result of the deviation or waiver being granted.

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	ENERGY QAP E35	December 2011	

(d) When notification of nonconforming supplies is received after the supplies have been accepted, and the Government determines not to exercise its right to reject or to require correction under the INSPECTION OF SUPPLIES - FIXED-PRICE, INSPECTION OF SERVICES - FIXED PRICE, or CONTRACT TERMS AND CONDITIONS - COMMERCIAL ITEMS contract provision, then in no event will consideration be less than $500 to cover administrative costs. This $500 fee is in addition to --

(1) Consideration commensurate with the extent of nonconforming supplies; and

(2) Cost of Government reinspection or retest, if necessary.

The administrative fee will apply to each claim letter issued for off-specification product delivered to an activity.

(e) Contractors shall be held responsible for payment of any fines or penalties imposed on a receiving activity by an environmental enforcement agency, resulting from the delivery of nonconforming supplies under a DLA Energy contract.

(f) Repeated tender of nonconforming supplies or services, including those with only minor defects, will be discouraged by appropriate actions, including, but not limited to, rejecting the supplies or services whenever feasible and documenting the Contractor's performance records.

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SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
	ENERGY QAP E36	February 1970	

E36 INSPECTION (STORAGE)

The facilities to be provided hereunder shall be ready for inspection and acceptance by _____. The Contractor shall notify the Contracting Officer of the date such tanks and facilities are available for inspection and acceptance, and the Contracting Officer, or his designated representative, shall promptly thereafter inspect such tanks and facilities. No payment will be made for services performed or facilities provided prior to _____.

SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)

DEFENSE ENERGY SUPPORT CENTER
8725 JOHN J. KINGMAN RD
FORT BELVOIR, VIRGINIA 22060-6222

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ITEM		
ENERGY QAP E36		
NSN		CODE ID NO.
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SUPPLEMENTAL QUALITY ASSURANCE PROVISION (SQAP)	Prescribed by: eSOP 4155.05-001 Sponsor: J3

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	ENERGY QAP E46	01/22/2026	

ENERGY QAP E46 BULK ADDITIVE HANDLING (JAN 2026)

(a) This contract provision applies to:

(1) All bulk additive shipments.

(b) Quality Control Plan.

(1) The Contractor is required to provide and maintain an inspection system, and a written description (Quality Control Plan (QCP)) of that system, acceptable to the Government. The Contractor has the option to provide and maintain an inspection system that, as a minimum, incorporates the requirements of ISO9001, Quality Management Systems. If the Contractor chooses to comply with the ISO9001 quality system requirements and format, all the specific Quality Assurance Provisions of this contract must be included in the resulting ISO9001 document that will serve as the QCP. A copy of the QCP, in English, shall be presented to the Government Quality Assurance Representative (QAR) for their review and acceptance prior to commencement of production or services. The QCP shall be reviewed and updated when deemed necessary by the Contractor or the Government, to include changes necessary to prevent the recurrence of quality problems. The Contractor must sign and date the original QCP, as well as each subsequent revision. Revisions shall also be presented to the QAR for review and acceptance prior to implementation. When acceptable to the Government, the original QCP, and any revisions, shall be signed and dated by the QAR.

(2) The Contractor shall require subcontractors to provide and maintain inspection/testing systems that adhere to all the requirements in this contract provision.

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

(i) SAMPLING. Procedures for sampling Fuel System Icing Inhibitor (FSII) shall be in accordance with ASTM E300 (Standard Practice for Sampling Industrial Chemicals). Procedures for sampling Lubricity Improvement Additive (LIA) shall be in accordance with ASTM D4057 (Manual Sampling of Petroleum and Petroleum Products). Procedures include sample location, frequency, quantity, and retention. See Table I, Minimum Sampling and Testing Requirements, and Table II, Sample Retention.

(ii) TESTING. Types of test series and individual test methods/procedures to be performed on samples taken from each location are identified in Table I, Minimum Sampling and Testing Requirements.

(iii) CALIBRATION. Program for testing and measuring equipment in accordance with ISO 10012, Measurement Management Systems - Requirements for Measurement Processes and Measuring Equipment, or equivalent local regulation, as appropriate; and a program for meters used to determine quantity complying with the API MPMS, Chapters 4, 5, and 6, or equivalent foreign standard. For items not covered by API, ASTM, or IP publications, the applicable manufacturer's recommended calibration method(s), outlined in the applicable industry publication, shall be used if acceptable to the Government.

(iv) STORAGE AND HANDLING. Procedures for quality/quantity determination include a description of storage and handling equipment, such as tanks, lines, valves, and manifolds; identification of dedicated/common product systems, including description of line segregation and controls to assure capability for proper gauging, sampling, draining of water (Lubricity Improvement Additive (LIA) only), filtration, circulation, and drying; and identification of any other process/system used in maintaining product integrity during storage and handling.

(v) LOADING AND SHIPPING - GENERAL. Procedures for product movement and related quality/quantity checks from shipping tank(s) to custody transfer point (CTP). Description of transfer system from shipping tank to CTP. A dedicated system, including lines, pumps, loading arms, and hoses, is preferred, but an isolated common system incorporating blind flanges, spectacle plates, or double valves between systems is acceptable. An isolated common system using single valves designed to ensure positive isolation, such as twin seal single valves, are also acceptable. Systems with single valve (other than twin seal) isolation require specific procedures be included in the QCP to ensure product integrity prior to the CTP. When single valves (other than twin seal) are present in the system, the Contractor shall provide their quality control procedures, from the first single valve to the CTP, at time of bid to the Contracting Officer for a determination of acceptability. Procedures for conditioning and testing of isolated systems that last carried a product other than that intended for movement under this contract. 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 contract provision.

(vi) LOADING AND SHIPPING - TANK CARS, TANK TRUCKS, AND INTERMODAL CONTAINERS. Tank car, tank truck, and intermodal container loadings shall be in accordance with the following procedures: Confirm all compartments have been prepared in accordance with Table IV, Conversion Chart for Tank Cars, Tank Trucks, and Intermodal Containers and Table V Water Soluble and/or Water Miscible Chemicals, below. Whenever possible, ensure the same preparation procedures used for compartments are applied to hoses, manifolds, and other handling equipment. Provide for investigation of discrepancies in either recorded quality or quantity. When required by the contract, seal conveyance and record seal numbers on the shipping document. Strainers and filters shall be located as near the loading or filling point as practicable. 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.

(vii) RECORDS AND REPORTS. Procedures for completing and distributing required documentation. Documentation shall include laboratory test reports, bills of lading, DD Form 250, and any other documentation requested by the United States Government.

(viii) CORRECTIVE ACTION. Actions to be followed to correct any deficiency affecting product quality or quantity. The corrective action procedures shall include notification to the QAR.

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

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

(c) The Contractor shall perform all inspections 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. For f.o.b. destination shipments, the Contractor shall provide the QAR, prior to the first shipment, the name and location of the laboratory to be used for testing. The Contractor shall also notify the QAR of any subsequent laboratory changes prior to the affected shipments. If any laboratory is determined to be unacceptable to the Government, the Contractor must designate another laboratory that is acceptable, before acceptance testing can take place. Acceptance tests will normally be performed at the acceptance point. However, 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 prior to acceptance at destination. Regardless of the method of delivery, products furnished under this contract must meet all specification requirements at the CTP.

(d) Prior to loading, the Contractor shall inspect all shipping conveyances for suitability to load the supplies furnished under this contract. The QAR has the right to inspect any Government-supplied conveyance prior to loading and, in the event the Contractor and the QAR disagree on the suitability to load such a conveyance, the determination of the QAR shall govern. If the SHIPMENT AND ROUTING contract provision 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 contract provision. 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 and hoses must be drained and be clean and dry for the intended product. If the Contractor intends to witness operations at any point up to, and including, government acceptance, the Contractor is responsible for contacting the facilities to be visited and obtaining the required access.

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	ENERGY QAP E46	01/22/2026	

(e) When requested by the U.S. Government, the Contractor shall furnish no more than five 1-gallon samples of liquid 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 their expense.

(f) The Contractor shall keep all quality and quantity records related to the performance of this contract complete and available to the Government during the performance of this contract and for three years after final payment under this contract. These records shall include, but not be limited to, DD Form 250-series documents, documentation of internal inspections of all conveyances, laboratory certificates for all required testing (including those for the shipping tanks for f.o.b. shipments), and documentation of quantity determinations.

(g) When a common system is to be used for shipment, the Contractor shall provide a list of all products carried by that system during the past year to the Contracting Officer, at the time of offer, for a determination of acceptability.

(h) The inspection system and related operations provided or performed pursuant to this provision shall be subject to surveillance by the QAR.

(i) The contractor may provide transportation to/from/between contractor facilities and operations to the QAR or DLA Energy representative performing official duties relating to the administration of the contract and the contract price shall include the cost of any such transportation.

TABLE I

MINIMUM SAMPLING AND TESTING REQUIREMENTS (1) (4)

LOCATION	WHEN SAMPLED	TYPE OF SAMPLE	TYPE OF TEST (SERIES OR INDIVIDUAL)
1. Point of Manufacture/Terminal (Each Shipping Tank)	Each Batch Prior to Start of Shipment	All Level or Multi-Level Composite	A (2)
2. Tank Cars/Tank Truck/ Intermodal Container	After Loading/Filling	All-Level or Low Point Drain/Bottom Line (5)	Workmanship (C - when loading lubes and FSII)
3. Drum	After Filling	Multi-drum Composite (3)	C

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) Prior to performing a-level testing, the homogeneity of each batch shall be determined. At a minimum, upper, middle, and lower samples shall be tested for density/API gravity and compared to the specification requirement for homogeneity. If no specification requirement exists, homogeneity shall be defined as when the test results for the upper, middle, and lower samples all fall within the repeatability limit(s) of the test method used to determine density/API gravity. In any case, when deemed necessary by the government, tests in addition to density/API gravity may be required to confirm batch homogeneity.

(3) A one-liter composite sample of each lot of product shall be taken from a predetermined number of randomly selected drums. The total number of drums sampled per lot shall, at a minimum, be that cited in Table 7 of API MPMS chapter 8.1 (ASTM D4057), but may be increased at the government's option.

(4) The size of all the samples required in this table, except for those designated "retain only", shall be determined by the contractor and shall be of sufficient quantity to perform all the tests required by this table. The size requirements for retain samples can be found in Table II, sample retention.

(5) Shipments of additives must utilize all-level sampling procedures.

TABLE II

SAMPLE RETENTION (1)

PRODUCT	LOCATION	MINIMUM QUANTITY	RETENTION PERIOD (1)
FSII	Bulk Tank Cars/Tank Trucks/Intermodal Containers	2 Liters (2)	Until Receipt and Quality Verification of Each Lot/Batch
LIA	Bulk Tank Cars/Tank Trucks/Intermodal Containers	2 Liters (2)	Until Receipt and Quality Verification of Each Lot/Batch

NOTES FOR TABLE II:

(1) Upon United States Government's request, retention samples may be held for longer durations for unique circumstances or investigations.

(2) If the conveyance is compartmentalized, a proportional sample shall be taken from each compartment such that a total of one liter is collected from the conveyance.

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.

Fuel System Icing Inhibitor (FSII)			
PROPERTIES	**B-1 TEST**	**B-2 TESTS**	**C TEST**
Appearance	X	X	X
Color	X	X	
Total Acid Number		X	
pH @25°C (25% solution in water	X	X	
Relative Density 20/20◦C	X	X	X
Water	X	X	X
Lubricity Improvement Additive (LIA)			
PROPERTIES	**B-1 TEST**	**B-2 TESTS**	**C TEST**
Appearance	X	X	X
Total Acid Number	X	X	
Density 15°C	X		X

TABLE IV
CONVERSION CHART FOR TANK CARS, TANK TRUCKS, AND INTERMODAL CONTAINER(2)

LAST PRODUCT CARRIED	**PRODUCT TO BE LOADED**	
	FSII	**LIA**
JP-5, JP-8, TS-1 JET A/A1, KS1/R/N	STEAM DRY	STEAM DRY
JPTS	STEAM DRY	STEAM DRY
RP1/RP2	STEAM DRY	STEAM DRY
JP-10/PF-1	STEAM DRY	STEAM DRY
F-76, MGO, LS-1/2/S/W, DS-1/2/S/W, DF-2, HS-1/2, FS-1/2, FL-2/4	STEAM DRY	STEAM DRY
FSII	DRAIN EMPTY (1)	NO LOAD
LUBRICATING OILS	NO LOAD	NO LOAD
BIODIESEL BLENDS <B15	STEAM DRY	STEAM DRY
BIODIESEL BLENDS >B15	NO LOAD	NO LOAD
FS-4/5/6, FL-5, RF-4/5/6, R5L, IFO	NO LOAD	NO LOAD
NAPTHA	STEAM DRY	STEAM DRY
PETROLEUM SOLVENT/PAINT THINNER	STEAM DRY	STEAM DRY

NOTES FOR TABLE IV:

(1) When required, "DRAIN 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 from the DLA Energy Contracting Officer.

TABLE V:
RECOMMENDED CLEANING PROCEDURES FOR PRIOR CARGOS [3][4][5]

LAST PRODUCT CARRIED	PRODUCT TO BE LOADED	
	FSII	LIA
1, 4 Butanediol (Butane-1,4-diol, Tetramethylene glycol)	1	1
2-Hydroxyethyl Methacrylate (HEMA, glycol methacrylate)	2	2
1-Methoxy-2-Propanol (Propylene Glycol Methyl Ether)	1	1
Acetic Acid (Ethanoic acid)	2	2
Acetic Anhydride (Ethanoic anhydride, acetic acid anhydride)	2	2
Acetone (propan-2-one, Dimethyl ketone)	1	1
Acetonitrile (Ethanenitrile)	1	1
Aminoethyl ethanolamine (2-[(2-Aminoethyl) amino] ethan-1-ol, N-(2-Hydroxyethyl)ethylenediamine)	**NO LOAD**	2
Ammonia (Azane)	**NO LOAD**	2
Diacetone Alcohol (4-Hydroxy-4-methylpentan-2-one)	1	1
Caprolactam (Azepan-2-one)	1	1
Diethanolamine (2,2'-Azanediyldi(ethan-1-ol))	**NO LOAD**	2
Diethylene Glycol (2,2'-Oxydiethanol)	1	1
Diethylene Glycol Butyl Ether (2-(2-Butoxyethoxy)ethan-1-ol)	1	1
Diethylene Triamine (N1-(2-Aminoethyl)ethane-1,2-diamine, N-(2-Aminoethyl)-1,2-ethanediamine)	**NO LOAD**	2
Dimethylacetamide (DML) (N,N-Dimethylacetamide)	2	2
Dimethylaminopropylamine (N,N-Dimethyl-1,3-propanediamine)	**NO LOAD**	2
Dimethylformamide (N,N-Dimethylformamide, DMF)	1	1
Dipropylene Glycol (4-Oxa-2,6-heptandiol, 4-Oxa-1,7-heptandiol)	1	1
Dipropylene glycol methyl ether (DPGME, DPM, Dipropylene glycol monomethyl ether)	1	1
Diquat concentrate (6,7-dihydrodipyrido[1,2-a:2',1'-c] pyrazine-5,8-diium dibromide)	**NO LOAD**	1
Ethylamine (Ethanamine)	**NO LOAD**	2
Ethanol, Anhydrous (Ethyl alcohol , Ethyl Hydroxide)	1	1
Ethanolamine (2-Aminoethan-1-ol, ETA, MEA)	**NO LOAD**	2
Ethylenediamine (EDA, Ethane-1,2-diamine)	**NO LOAD**	2
Ethylene Carbonate (1,3-Dioxolan-2-one, ethylene glycol carbonate)	1	1
Ethylene Glycol Dimethyl Ether (1,2-Dimethoxyethane, DME)	1	1
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol, EGBE)	1	1
Furfuryl Alcohol ((Furan-2-yl)methanol, 2-Furanmethanol)	1	1
Gamma Butyrolactone (Oxolan-2-one, GBL)	2	2
Glacial Acetic Acid (99.5% Acetic Acid)	2	2
Glycerin (Glycerol, Propan-1,2,3-triol)	1	1
Hexamethylenetetramine (1,3,5,7-Tetraazaadamantane, HMTA)	**NO LOAD**	2
Hexylene Glycol (2-Methyl-2,4-pentanediol)	1	1
Iso-Amyl Alcohol (3-Methyl-1-butanol)	1	1
Isopropanol (Isopropyl Alcohol, 2-Propanol)	1	1
Isopropanolamine (1-amino-2-propanol)	**NO LOAD**	2
Lysine (2,6-Diaminohexanoic acid)	2	2
Maleic Anhydride (Furan-2,5-dione)	2	2
MCA 70% in Water (Chloroacetic acid)	2	2

Methanol (MeOH)	1	1
Methylamine (Methanamine, Aminomethane)	**NO LOAD**	2
Methyldiethanolamine (2,2′-(Methylazanediyl)di(ethan-1-ol), Bis(2-hydroxyethyl)(methyl)amine)	**NO LOAD**	2
Mercaptoethanol (2-Mercaptoethanol, 2-Sulfanyl-1-ethanol)	2	2
Monoethanolamine (MEA, 2-Amino-1-Ehanol, Ethanolamine)	**NO LOAD**	2
Morpholine (Diethyleneimide oxide)	**NO LOAD**	2
Methacrylic Acid (MAA, 2-Methyl-2-Propenoic Acid)	2	2
Methyl Pyrrolidone (1-Methyl-2-Pyrrolidone)	**NO LOAD**	2
Mpdiol Glycol (2-Methyl-1,3-Propanediol)	1	1
N-Methyl-2-Pyrrolidone (NMP)	2	2
n-Propanol (1-Propanol, Propyl Alcohol)	1	1
Neopentyl Glycol (2,2-Dimethylpropane-1,3-diol)	2	2
Pentylol (1-Pentanol)	1	1
Polyphosphoric Acid (PPA)	2	2
Propylene Oxide ((2R)-2-Methyloxirane, (2S-2-Methyloxirane)	2	2
Propylene Glycol Ethyl Ether (EPG)	1	1
Propylene Glycol t-butyl Ether (1-(1,1-Dimethylethoxy)-2-Propanol)	1	1
Tetrahydrofuran (THF, Oxolane)	1	1
Triethanolamine 99 (TEA, 2,2′,2″-Nitrilotriethanol)	**NO LOAD**	2
Triethylenediamine (1.4-diazabicyclo[2.2.2]octane), DABCO)	**NO LOAD**	2
Triethylene Glycol (TEG, 2,2’-[Ethane-1,2-diylbis(oxy)]di(ethan-1-ol))	1	1
Tripropylene Glycol (TPG)	1	1
Triehtylene Glycol Ethyl Ether (ETG, Tri(ethylene glycol) monoethyl ether)	1	1
Tripropylene Glycol Monomethyl Ether (MFTG)	1	1
UAN (Urea Ammonia Nitrate)	1	1

NOTES FOR TABLE V:

(1) In addition to the product compartment all pumps, filters, meters, and hoses shall be drained of previous product and flushed with hot water not to exceed 58°C (136°F) followed by a steam dry.

(2) In addition to the product compartment all pumps, filters, meters, and hoses shall be drained of previous product and flushed with hot water not to exceed 58°C (136°F), the residual water shall be checked with a pH strip. If the pH strip is at pH=7, then it shall be followed by a steam dry.

(3) If the product last carried has been approved and does not have a pH between 5.5-7.5, please use cleaning procedure 2.

(4) If a product is not listed in this table, permission to load and conveyance preparations require a waiver from the DLA Energy contracting officer.

(5) All entries are based of pure chemicals (100%), all others will require a waiver from the DLA Energy contracting office.