

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 14
2. AMENDMENT/MODIFICATION NO. 0004	3. EFFECTIVE DATE 16 October 2003	4. REQUISITION/PURCHASE REQ. NO. SP0600-04-0652	5. PROJECT NO. (If applicable) DUBAI, UAE	
6. ISSUED BY CODE	SP0600	7. ADMINISTERED BY (If other than Item 6) CODE		
ATTN: BEVERLY WILLIAMS DEFENSE ENERGY SUPPORT CENTER 8725 JOHN J. KINGMAN RD., SUITE 2945 FORT BELVOIR, VA 22060-6222 PHONE: 703-767-9348 EMAIL: beverly.j.williams@dla.mil FAX: 703-767-9338				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(X)	9A. AMENDMENT OF SOLICITATION NO. SP0600-03-R-0155	
		X	9B. DATED (SEE ITEM 11) 08 August 2003	
			10A. MODIFICATION OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.  
Offer 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 1 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.

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.**

<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc). SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The referenced-solicitation is hereby amended to change Clause B34.01, Section C-3.1.2(j) to read: Records and Reports: To include at a minimum, test reports on product, vessel port logs, vessel notice of readiness, and the DD Forms 1348-7 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 continuation sheet(s) will be signed by the Contractor in the appropriate block before presenting to the QAR.

2. Attachment 2 of the solicitation is hereby deleted and replaced with the revised version (see pages 2 through 14). Attachment 2 have been reprinted in its entirety to allow easy insertion into the solicitation. The previous Attachment 2 is hereby deleted.

3. All other terms and conditions remain unchanged.

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 AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

C.3.3 Table I. Minimum Sampling and Testing Requirements for Petroleum Products

SERIES	LOCATION OF STOCKS	TYPE STORAGE	WHEN SAMPLED	TYPE SAMPLE <sup>1</sup>	TESTING REQUIRED	REMARKS
1	Storage tanks and pipelines, for Pipeline Shipments or Vessel Loadings of Government Stocks.					
1a	Storage tanks	Bulk	Before shipment	Upper, middle, and lower composite, or all-level composite from each storage tank.	Appearance, API gravity, color, flash point, filtration time, FSII, water reaction (as applicable)	Government-owned stocks in tanks that have been tested previously within 90 days need only Type C. Referee sample will be retained.
1b	Pipelines	Bulk	Immediately after start of shipment	Line sample	C	
1c	Pipelines	Bulk	Every hour after start of shipment	Line sample	Visual	
1d	Pipelines	Bulk	During Loading or Shipment	Representative line Composite IAW API MPMS, Chapters 8.1 or 8.2.	Retained composite	Sample to be retained as Referee. Testing to be conducted will be based on the situation.
1e	Storage Tanks	Bulk	After pipeline receipt	Upper, middle, and lower composite or all-level composite from each storage tank.	B-1	Sample to be retained until issue or receipt.
2 /	Vessel discharge					
2a	Tankers and barges (multi-product cargo)	Bulk	Prior to discharge	All level from each tank	Appearance and density	If on-spec, discharge authorized.

SERIES	LOCATION OF STOCKS	TYPE STORAGE	WHEN SAMPLED	TYPE SAMPLE <sup>1</sup>	TESTING REQUIRED	REMARKS
				Volumetric composite of each cargo on board.	B-1	These tests will be performed prior to or during discharge of cargo. In the event the capability for testing does not exist at the discharge point, a composite sample from the vessel will be retained, type B-1 tests performed on an all-level sample taken from the receiving tank. If receiving tank fails spec requirements, perform B-1 tests on the tanker retain composite sample to determine the cause of the off-spec problem.

SERIES	LOCATION OF STOCKS	TYPE STORAGE	WHEN SAMPLED	TYPE SAMPLE <sup>1</sup>	TESTING REQUIRED	REMARKS
	Tankers and barges (single-product cargo)	Bulk	Before discharge	Composite sample of ship or barge tanks.	Type C	Discharge is authorized after conformance with Type C tests. Retain composite sample until the receiving tank analysis is complete. If product fails, perform Type B-1 tests on retained composite to help determine the cause of the off-specification problem.
2b	Dock/discharge manifold header	Bulk	During discharge	<p>Sample IAW API MPMS, Chapter 8, commencing one half hour after start of discharge and each hour after until completion of the discharge. One-half quart to be taken each time. Sample to be composited after completion of discharge.</p> <p>Also, one gallon at one hour, midpoint, and one hour prior to completion.</p>	<p>Retained composite</p> <p>Particulate<sup>2</sup></p>	<p>Retained for referee tests.</p> <p>For barge receipts directly into A.F. bases, refer to agreement of minimum standards.</p>
	Dock/discharge manifold header		During discharge	For split cargo discharges where one product is JP-5, JP-8, or F-76, and other product is JP-4, MOGAS, or AVGAS, a dock header sample will be taken during discharge of the JP-5 or JP-8 or F-76 one half hour after start of discharge and hourly thereafter.	Flash point	

SERIES	LOCATION OF STOCKS	TYPE STORAGE	WHEN SAMPLED	TYPE SAMPLE <sup>1</sup>	TESTING REQUIRED	REMARKS
2c	After receipt of fuel by waterborne transport.	Bulk	After receipt of fuel.	Upper, middle, and lower composite, or all-level Composite. (from each storage tank)	Type B-1 Plus JFTOT	
3 /	Pipeline and TC/TT receipts.					
3a	After receipt of fuel by pipeline systems used for more than one product.	Bulk	After receipt of fuel	Upper, middle, and lower composite, or all-level composite. (from each storage tank)	Type B-1 Plus JFTOT	
3b	After receipt of fuel through a dedicated system.	Bulk	After receipt of fuel.	Upper, middle, and Lower composite, or all-level composite. (from each storage tank)	Type C, except on initial filling or change of grade. Then, B-1 would be required.	

SERIES	LOCATION OF STOCKS	TYPE STORAGE	WHEN SAMPLED	TYPE SAMPLE <sup>1</sup>	TESTING REQUIRED	REMARKS
4 /	Transfers within installation or depot					
4a	Through a dedicated system.		After receipt of fuel	Upper, middle, and lower composite, or all-level composite.	Type C	Samples will be retained for two months for referee purposes.
4b	Through a common system.	Installations & Depots	After receipt of fuel.	Upper, middle, and lower composite, or all-level composite.	Type B-1Plus JFTOT	
5	Dormant Stocks wherever located.	Bulk	Periodically, as required by TABLE II	Upper, middle and lower composite or all-level composite (see remarks).	B-2 or A (see remarks)	<p>a. Separate samples; upper, middle, and lower shall be taken and tested to establish homogeneity. If homogenous these samples shall be mixed for required tests. If not, perform B-2 tests on each level of product.</p> <p>b. Additional tests may be performed at the discretion of the owning or custodial authority, having regard to type of product, age of stock, conditions of storage, etc..</p>
6	Filling Points for road and rail tank car containers, or other equipment.	Bulk	Daily on first container filled, and on changeover to fresh feed tank after completion of line displacement from the fresh feed tank.	Line sample	Type C	
7	In rail tank cars and road tank vehicles and refuelers used in over the road transportation	Bulk	Both after loading and before discharge	All level sample from the rail car or vehicle.	Appearance on each compartment "C" minus flash point on composite	See notes 3, 4 and 6.

SERIES	LOCATION OF STOCKS	TYPE STORAGE	WHEN SAMPLED	TYPE SAMPLE <sup>1</sup>	TESTING REQUIRED	REMARKS
8	Tanks containing interface mixtures from pipeline for re-injection.	Bulk	Before re-injection	Upper, middle, and lower composite, or all-level composite.	Type B-3	Re-injection of interface product is to be under the technical control of the pipeline authority, or IAW with O.A.
9	Refueler trucks, skid mounted refuelers, or other dispensing equipment.	Bulk	(a) Daily  (b) Monthly	Line sample. Note: After re-circulation of fuel	See remarks 5	(a) Visual check for appearance, and water & sediment.  (b) Lab analyses for water & sediment
10	FSII and CI/LI dormant stocks greater than 12-months old	Bulk	12 months	Middle sample	FSII – Appearance, Density, Acid Number, pH, water.  CI/LI – Density and viscosity	For FSII test methods per MIL-DTL 85470 For CI/LI test methods per QPL 25017
11	Storage Tank	Bulk	When Requested	All Level	TBD	N/A

**LEGEND**

Type “A” Test - Complete specification inspection tests.

Type “B-1” Test - Partial analysis comprising the checking of principal characteristics most likely to have been affected in the course of moving the product.

Type “B-2” Test - Partial analysis to verify characteristics susceptible to deterioration because of age.

Type “B-3” Test- Partial analysis for contamination; in particular, for controlling the re-injection of pipeline interface products.

Type “C” Test - Relative density, flash point, color (visual), and appearance, including visible sediment and water.

**TABLE I. NOTES:**

<sup>1</sup> Use the API Manual of Petroleum Measurement Standards (MPMS), Chapter 8, Sampling, Section 1, Manual Sampling for sampling methods

<sup>2</sup> The average particulate content of the 3 fuel samples should not exceed 2 mg/L; however, the first and last samples are obtained under severe discharge conditions and may show high particulate content. Solid contamination while extremely objectionable is a physical contaminant which can be removed under proper conditions with proper equipment, and since the product at this point is Government owned, discharge operations will not be discontinued for this reason. However, the contracting officer, Defense Energy Support Center, and the quality assurance representative at the loading point will be advised of any high particulate results obtained. This advice would be used for future planning purposes and for determining possible cleaning actions necessary to the vessel involved. This note is not applicable to internal Navy transfers.

<sup>3</sup> Flash point at the receiving point is not required for product that is to be used by the U. S. Army. Fuel is tested in accordance with Army quality surveillance program in AR 710-2

<sup>4</sup> If unable to take an all-level sample from the truck compartment prior to discharge, then take an in-line sample at or near the off-loading header during the discharge, immediately upon product displacement of the receipt manifold/hose.

<sup>5</sup> When laboratory tests of material from dispensing and handling equipment show evidence of free water or a sediment level exceeding 1.0 mg/L of fuels, or 10.0 mg/L for diesel fuel, that equipment shall be re-sampled and not used pending laboratory confirmation of the initial results. If the second laboratory analysis confirms the presence of free water or a sediment content exceeding 1.0 mg/L, improvement in fuel quality must be made.

<sup>6</sup> Terminals performing SDA injection shall have the required conductivity meter to perform the test on site.

C-3.5 CONVERSION CHART FOR TANK CARS AND TANK TRUCKS

Conversion Chart for Tank Cars and Tank Trucks<sup>1</sup>

LAST PRODUCT CARRIED	PRODUCT TO BE LOADED			
	Gasoline MOGAS	Jet Fuels: Jet A/A-1, JP-8, JP-5	<sup>2</sup> Jet Fuel: JPTS	FSII
Gasoline: AVGAS, MOGAS	Drain/ Empty	Steam Dry	Steam Dry	Steam Dry
Jet Fuels: Jet A/A-1, JP-8, JP-5	Drain/ Empty	Drain/Empty <sup>3</sup>	Steam Dry <sup>3</sup>	Steam Dry
Jet Fuel: JPTS	Drain/ Empty	Drain/ Empty	Drain/ Empty	Steam Dry
Petroleum Solvent or Paint Thinner	Steam Dry	Drain/Empty	Steam Dry	Steam Dry
Diesel Fuels: F-76, DL1, DL2, DF1, DF2, 1-D, 2-D, FS1, FS2	Steam Dry <sup>3</sup>	Drain/Empty <sup>3</sup>	Steam Dry <sup>3</sup>	Steam Dry
Lubricating Oils	NO LOAD	NO LOAD	NO LOAD	Steam Dry
ASTM D975 No.4D, FS4, FS5, FS6, IFOs	NO LOAD	NO LOAD	NO LOAD	NO LOAD
Naphtha	Drain/ Empty	Steam Dry	Steam Dry	Steam Dry

NOTES:

<sup>1</sup> Individual Services will provide specific guidance for conversion of refueling equipment that exclusively handles Service petroleum products, e.g.: Air Force guidance is contained in T.O. 42B-1-1, Table 3-1.

<sup>2</sup> To be loaded only in aluminum, stainless steel equipment or equipment lined with an approved epoxy coating. If equipment is coated, clean with hot fresh water not exceeding 58°C (136°F) and dry thoroughly.

<sup>3</sup> If previous cargo contained dye marker, all traces of color must be removed.

GENERAL INSTRUCTIONS:

1. Equipment carrying DESC-Owned product will be substantially free from loose rust, scale and dirt.
2. Saran lined equipment should not be steam cleaned; water wash should suffice.
3. Petroleum products will not be loaded into the transportation equipment whose previous cargo was caustic, acid, chlorinated solvents, or vegetable oils.
4. Tank trucks in liquid fertilizer service shall not load aviation turbine fuels directly, but shall carry out at least two loads of commercial gasoline prior to the aviation turbine fuel load.

THE FOLLOWING ARE THE MINIMUM REQUIREMENTS FOR STORAGE SAMPLING AND TESTING. SUBJECT TO THE QUALITY REPRESENTATIVE (QR) APPROVAL, ADDITIONAL SAMPLING AND TESTING SHALL BE INCORPORATED INTO THE CONTRACTOR'S QUALITY CONTROL PLAN BASED ON THE LOCAL RECEIVING, STORING, AND ISSUING PROCESS AT THE FACILITY. THE GOVERNMENT'S QR MAY REQUEST ADDITIONAL TESTING BASED ON CIRCUMSTANCES AFFECTING A PARTICULAR SAMPLE.

TESTING REQUIREMENTS: MIL-DTL-5624 (*Latest Version*),  
**GRADE JP-5**

LOCATION OF STOCK	TESTS
<p>1. <b>Vessel: Prior to Discharge - or - After Loading</b>                      All level sample from <b>each cargo tank</b>                      on vessel prior to discharge or after loading.                      (See Notes 1, 2, &amp; 3, below)</p>	<p>a) Workmanship                      b) Color, Visual                      c) API Gravity or Density</p>
<p>2. <b>Vessel: Prior to Discharge - or - After Loading</b>                      Composite Samples                      (See Notes 1, 2, &amp; 3, below)</p>	<p>a) Workmanship                      b) Color, Visual                      c) API Gravity or Density                      d) Flash Point                      e) Particulate Matter                      f) Distillation                      g) Copper Strip Corrosion                      h) Freezing Point                      i) Existent Gum                      j) Water Reaction                      k) Fuel Systems Icing Inhibitor</p>

**NOTE 1:** Vessel (Tanker / Barge) Composite Samples **prior to Discharge:**

(1) For Multi-Product Cargoes: Discharge of product may commence after conformance with tests **a) through d)**, above. The balance of tests will be completed in a timely manner prior to or during the discharge.

(2) For Single-Product Cargoes: Discharge of product may commence after conformance with tests **a) through d)**, above. The remaining sample volume shall be retained(\*), and the balance of tests will be performed on the retained sample if receiving storage tanks are found to be off-specification.

**NOTE 2:** Tanker/Barge Composite Samples after loading:

The vessel may sail after completion of tests **a) through d)**, above. The balance of tests will be completed **prior to** vessel arrival at destination.

**NOTE 3:**

A composite line sample (10 liters) will be taken - proportionately - over the entire loading. The composite sample shall be retained (\*).

(\* *Retain samples shall be held in accordance with Clause E28, Contractor Inspection Responsibilities.*

3. **Line: Shipments and Receipts:**
- a. Immediately after the start of a shipment or receipt:
    - a) Workmanship
    - b) Color, Visual
    - c) API Gravity or Density
    - d) Flash Point
  
  - b. A one-half quart or liter will be taken during shipment or receipt, beginning one half-hour after the start, and then hourly thereafter. Samples to be composited after completion of the discharge.
    - a) Workmanship
    - b) Color, Visual  
then  
Retained as a Composite.
  
  - c. A one-gallon **line sample** will be taken one hour after start, midpoint, and one hour prior to completion of the discharge.
    - g) Particulate Contamination on each sample.
4. For **split cargo discharges** - where the other other product is JP-4, AVGAS, or MOGAS: a dock header sample will be taken during the JP-5 discharge one half-hour after the start of discharge and hourly thereafter.
  - d) Flash Point on each sample
5. **Storage Tanks**, after receipt: An upper/middle/lower shore tank or an All-level sample shall be taken from each storage tank.
  - Same as Paragraph 2 above, plus:
    - l) Thermal Stability - taken after tanker or multi-product pipeline shipments carrying fertilizer as one of the products
6. **Tank Trucks/Tank Cars:** Composite sample of loaded tank trucks/tank cars.
  - Same as Paragraph 3.a. above.
7. **Interface Mixtures** from pipeline for Injection for blending purposes.
  - Same as Paragraph 2 above.

9. **Dormant Stocks** (Tanks that do not receive fuel from an outside source in the previous six months). Composite Upper/Middle/Lower or an All-Level Sample from each storage tank.
- a) Workmanship
  - b) Color, Visual
  - c) API Gravity or Density
  - d) Flash Point
  - e) Particulate Matter
  - f) Distillation
  - g) Copper Strip Corrosion
  - h) Freezing Point
  - i) Existent Gum
  - j) Water Reaction
  - k) Fuel Systems Icing Inhibitor
  - l) Thermal Stability
  - m) Color, Saybolt
  - n) Acid Number
10. **Individual Tests** as directed by the cognizant Quality Office.
- Any Test identified in Paragraph 9, **plus**:
- o) Aromatics
  - p) Sulfur, Total
  - q) Mercaptan Sulfur / Doctor Test
  - r) Hydrogen Content
  - s) Smoke Point
  - t) Heating Value: Net Heat of Combustion
  - u) Viscosity at -20°C
  - v) Filtration Time
  - w) Calculated Cetane Index
  - x) Microseparometer Rating
  - y) Sulfides in Water (Clause E34)

ALL TEST METHODS TO BE AS SPECIFIED IN SPECIFICATION MIL-DTL-5624 (LATEST REVISION), GRADE JP-5, EXCEPT FOR SULFIDES IN WATER WHICH SHALL BE PERFORMED IN ACCORDANCE WITH CLAUSE E34 (*TESTS FOR SULFIDES IN WATER*).

S. Santiago, DESC-BQ, May 2000  
G. Rowinski, DESC-BQC, September 2001

THE FOLLOWING ARE THE MINIMUM REQUIREMENTS FOR STORAGE SAMPLING AND TESTING. SUBJECT TO THE QUALITY REPRESENTATIVE (QR) APPROVAL, ADDITIONAL SAMPLING AND TESTING SHALL BE INCORPORATED INTO THE CONTRACTOR'S QUALITY CONTROL PLAN BASED ON THE LOCAL RECEIVING, STORING, AND ISSUING PROCESS AT THE FACILITY. THE GOVERNMENT'S QR MAY REQUEST ADDITIONAL TESTING BASED ON CIRCUMSTANCES AFFECTING A PARTICULAR SAMPLE.

TESTING REQUIREMENTS:

MIL-F-16884 (*Latest Version*),  
GRADE **F-76**

<u>LOCATION OF STOCK</u>	<u>TESTS</u>
2. <b>Vessel: Prior to Discharge - or - After Loading</b> All level sample from <b>each cargo tank</b> on vessel prior to discharge or after loading. (See Notes 1, 2, & 3, below)	a) Appearance b) Color, Visual c) API Gravity or Density
2. <b>Vessel: Prior to Discharge - or - After Loading</b> Composite Samples (See Notes 1, 2, & 3, below)	a) Appearance b) Color, Visual c) API Gravity or Density d) Flash Point l) Distillation f) Carbon Residue g) Particulate Contamination

**NOTE 1:** Vessel (Tanker / Barge) Composite Samples **prior to Discharge:**

(1) For Multi-Product Cargoes: Discharge of product may commence after conformance with tests **a) through d)**, above. The balance of tests will be completed in a timely manner prior to or during the discharge.

(2) For Single-Product Cargoes: Discharge of product may commence after conformance with tests **a) through d)**, above. The remaining sample volume shall be retained(\*), and the balance of tests will be performed on the retained sample if receiving storage tanks are found to be off-specification.

**NOTE 2:** Tanker/Barge Composite Samples after loading:

The vessel may sail after completion of tests **a) through d)**, above. The balance of tests will be completed **prior to** vessel arrival at destination.

**NOTE 3:**

A composite line sample (10 liters) will be taken - proportionately - over the entire loading. The composite sample shall be retained (\*).

(\* *Retain samples shall be held in accordance with Clause E28, Contractor Inspection Responsibilities.*

3. **Line: Shipments and Receipts:**
- a. Immediately after the start of a shipment or receipt:
    - a) Appearance
    - b) Color, Visual
    - e) API Gravity or Density
    - f) Flash Point
  
  - b. A one-half quart or liter will be taken during shipment or receipt, beginning one half-hour after the start, and then hourly thereafter. Samples to be composited after completion of the discharge.
    - a) Appearance
    - b) Color, Visual  
then  
Retained as a Composite.
  
  - c. A one-gallon **line sample** will be taken one hour after start, midpoint, and one hour prior to completion of the discharge.
    - g) Particulate Contamination on each sample.
4. For **split cargo discharges** - where the other product is JP-4, AVGAS, or MOGAS: a dock header sample will be taken during the F-76 discharge one half-hour after the start of discharge and hourly thereafter.
  - d) Flash Point on each sample
6. **Storage Tanks, after receipt:** An upper/middle/lower shore tank or an All-level sample shall be taken from each storage tank. Same as Paragraph 2 above.
6. **Tank Trucks/Tank Cars:** Composite sample of loaded tank trucks/tank cars. Same as Paragraph 3.a. above.
8. **Interface Mixtures** from pipeline for Injection for blending purposes. Same as Paragraph 2 above.

9. **Dormant Stocks** (Tanks that do not receive fuel from an outside source in the previous six months). Composite Upper/Middle/Lower or an All-Level Sample from each storage tank.
- a) Appearance
  - b) Color, ASTM
  - c) API Gravity or Density
  - d) Flash Point
  - e) Particulate Contamination
  - f) Distillation
  - g) Copper Strip Corrosion
  - h) Pour Point
  - i) Cloud Point
  - o) Cetane / Cetane Index
  - p) Viscosity at 40°C
  - q) Water & Sediment (Centrifuge)
  - r) Accelerated Stability
  - s) Carbon Residue (10% Bottoms)
  - t) Sulfur
10. **Individual Tests** as directed by the cognizant Quality Office.
- Any Test identified in Paragraph 9, **plus**:
- z) Ash
  - aa) Trace Metals (Vanadium, Sodium plus Potassium, Calcium, and Lead)
  - bb) Demulsification
  - cc) Acid Number
  - dd) Neutrality
  - ee) Aniline Point
  - ff) Hydrogen Content
  - gg) Oxygen Overpressure
  - hh) Sulfides in Water (Clause E34)

ALL TEST METHODS TO BE AS SPECIFIED IN SPECIFICATION MIL-F-16884 (LATEST REVISION), GRADE F-76, EXCEPT FOR SULFIDES IN WATER WHICH SHALL BE PERFORMED IN ACCORDANCE WITH CLAUSE E34 (*TESTS FOR SULFIDES IN WATER*).

S. Santiago, DESC-BQ, May 2000  
G. Rowinski, DESC-BQC, September 2001