



Training and Certification

(Fuel Delivery, Fuel Storage, Maintenance of Facility, Airport Fuel Farm Operations, Fuel Handling, Fuel Quality Control, Aircraft Fueling & Tarmac Operations, Fuel Safety & Hazard control, Environment and Fuel Management)

Aviation Fuel Solutions Inc. (AFSI) is an aviation research, training and consultancy company based in London, Ontario, Canada. AFSI is specialized in aviation fuel solutions and provides training and consultancy services to major customers worldwide including international Airlines, Airports, Oil companies and Organizations like IATA, the UN and ICAO. The company leverages a unique web of strategic partners and leading aviation fuel experts to offer a most comprehensive offering to the industry.

AFSI's principals combine more than 55 years of experience in the management of aviation fuel in areas including but not limited to facility planning, personnel training, development of operational, safety and quality manuals, procurement strategies, operational efficiency and fuel price risk management. **AFSI's** consultants, have hands-on aviation experience for having previously been in the employ of international airlines and oil suppliers. As such, they have perfect understanding of the workings of the airline business and the dynamics of the jet fuel market. Through their active involvement in International Aviation Fuel Forum and Working Groups, **AFSI** experts keep abreast of all developments in the aviation fuel business.

AFSI offers Technical Fuel Training in the following areas: Aviation Fuel Delivery; Fuel Storage Farm Operations; Fuel Handling; Fuel Quality Control; Aircraft Fueling and Tarmac Operations, Operations Safety and Fuel Management; Auditor Training; Health and Safety and Environmental Control.

Examples of some typical training courses and their descriptions are outline as follows;



Fuel Delivery

1. What is Jet Fuel?
2. Fuel Specifications
3. Key Fuel Properties and Parameters
4. Important Terms and Definitions
5. Fuel Quality Control and field Testing procedures.
6. Importance of record keeping
7. Fuel receiving procedures

Airport Fuel Storage

1. Description of facility
2. Facility Operator and participants
3. Independent Operator
4. Independent Petroleum Inspector
5. Designated Laboratory
6. Fuel Committee
7. Notification
8. Procurement and transportation of inbound product
9. Inbound product scheduling
10. Inventory control
11. Outbound product movements
12. Facility safety
13. Facility security
14. Facility records
15. Quality control
16. Facility inspections
17. Manual revisions



Maintenance and Checking of Facilities and Equipment

1. Storage tanks
2. Hydrant systems
3. Mobile equipment
4. Filtration systems
5. Hoses and hose end strainers
6. Pumps for hydrant and fueller loading
7. Self-sealing couplings
8. Pressure gauges
9. Electrical equipment
10. Safety signs
11. Miscellaneous



Fuel Farm

1. Operations and management
2. On-Site Disaster Management Plan for Fuel farm
3. Hazard and Operability study
4. Risk and Consequence Analysis



Fuel Handling

1. On-site Disaster Management Plan for fuel handling at apron
2. Hazard and Operability
3. Risk and Consequence
4. Fire Prevention equipment
5. Precautions to take
6. Procedures

Airside Safety Regulations

1. Rules for Personnel
2. Rules for Vehicles
3. Jet fuel dispensing
4. Aircraft Refueling
5. Grounding and Bonding Procedures
6. Fuel flow control
7. Static charge prevention



Aircraft Data Guide

1. Aircraft types
2. No of Tanks
3. Tank capacity
4. Fuelling sequence
5. Height of adaptors
6. Vents



Environment

1. Leaks – Hydrant system and tank installations
2. Spillage from vehicles
3. Spill Prevention, Control and Countermeasure (SPCC) Plan
 - a. Operating procedures intended to prevent oil spills;
 - b. Control measures installed to prevent a spill from reaching water table; and
 - c. Countermeasures to contain, clean up, and mitigate the effects of an oil spill that reaches water table.
4. Control of effluent water
5. Soil and ground water protection – Bioremediation and other techniques
6. Waste management



Commitment

AFSI is committed to any project undertaken with confidentiality, understanding of customer's requirements, quality of work, on time delivery and full project management support.

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