

# Aviation Fuel Equipment Inspections... Why, Who, What & How...

Presented by:

Fred A. Cnota  
President,

Aviation Fire Safety Consultants, Inc.



# Why are we doing inspections?

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- ◉ Airfield Safety
- ◉ Aircraft Safety
- ◉ Passenger Safety
- ◉ FAA Requirements

# Why are we doing inspections?

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Airfield Safety:

Protection of environment:

spill prevention

spill control

Fire Prevention

Protection of employees

Protection of equipment

Protection of facilities

# Why are we doing inspections?

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- Aircraft Safety:

  - Prevent damage to fueling system

  - Prevent damage to aircraft systems:

    - engines

    - electrical systems

    - flight surfaces

- Fire Prevention



# Why are we doing inspections?

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## Passenger safety:

Fuel properly loaded into aircraft

Proper actions in event of a spill

Proper actions in event of fire

# Why are we doing inspections?

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FAA 139 requires it!

139.321 states, in part....

(a) Each certificate holder who acts as a cargo handling agent **must establish and maintain procedures for the protection of persons and property on the airport during the handling and storing** of any material regulated by the Hazardous Materials Regulations (49 CFR 171 through 180) that is, or is intended to be, transported by air.

# Why are we doing inspections?

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Each certificate holder **must**, as a fueling agent, **comply with, and require all other fueling agents operating on the airport to comply with, the standards established under paragraph (b) of this section and must perform reasonable surveillance of all fueling activities** on the airport with respect to those standards.

(d) Each certificate holder **must inspect** the physical facilities of each airport tenant fueling agent at least once every 3 consecutive months for compliance with paragraph (b) of this section and maintain a record of that inspection for at least 12 consecutive calendar months.

Why are we doing inspections?

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**SAFETY**



# Who is doing inspections?

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- Airfield Operations
- Airfield Security
- Airfield ARFF Departments
- Outside Consulting Companies

# Who is doing inspections?

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Each has their own strong points for doing the inspections. Airfield Operations, Security and ARFF are available 24/7. All know the airfield they work at. All are already on the airport payroll. Outside Consultants may not know the fuelers they are inspecting.

Each has a weakness as well. Operations may be tied up with weather events, construction, or any number of airside issues. Security has its hands full with perimeter fencing, gate control, TSA. Outside consultants may only be there one or two days of every ninety and they are an additional cost.

# Who is doing inspections?

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More and more, FAA Certification Inspectors are turning to ARFF Departments to handle the task of Refueling Equipment Inspections.

## ***WHY??***

- ARFF Departments usually have enough personnel to handle the inspections. They may already have a Fire Inspector.
- ARFF departments are not tied to any airline, fuel handler, or fueling company.
- Firefighters are used to dealing with requirements and know how to say “NO”.



# How are we going to get this done?

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- Research other programs
  - See how other airports are getting it done
  - Checkout your options
- Work with other authorities
  - FAA
  - Airfield Ops
  - Security
  - Fuel Handling Companies/FBO's



# How are we going to get this done?

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## **Get your inspector trained!!**

- Regardless of which agency is doing the inspecting, the inspector **MUST** know what they are looking at. Different equipment has different requirements. A Train the Trainer Inspector course or, at minimum, a FAA Approved Supervisory Fuel Handling is a good starting point.
- Where can you find this training?
  - Outside Training Companies
    - Approved companies are listed in AC 5230-4B
  - On Field Fuel Handling Companies
    - Get the fuelers view
    - Get the same training the fuelers get

# How are we going to get this done?

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Irrespective of where the inspector gets their training, they should be well versed in the following documents:

- FAA 139.321
- FAA AC5230-4  
Aircraft Fuel Storage, Handling, Training, and Dispensing on Airports
- NFPA 407 (2017 edition)  
Standard for Aircraft Fuel Servicing
- ATA 103 (2017 edition)  
Standards for Jet Fuel Quality Control at Airports
- Local Requirements  
These are where all the requirements for airfield fuel handling come from.

# How are we going to get this done?

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After your inspector has initial training, you need to set up an inspection program. The bigger the airport, the more complex the program. Records must be kept, reviewed, and stored for the annual inspection by the FAA. Most FAA Inspectors do not visit the fuel handling company, they go to the inspecting agency and want everything there. It is the inspectors responsibility to have everything accurate and ready.

# How are we going to get this done?

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You need to decide how your program will work....

- Just required inspections?

- Once every 90 days?
- Random spot inspections?
- Monitoring fuelers?



# How are we going to get this done?

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## ● Equipment coming to you?

- Single location
- Easy for inspector
- Might be out of the elements
- Hardship for FBO
  - Requires equipment to be driven to a possible remote location tying up a fueling employee for an extended period of time.



# How are we going to get this done?

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## ● Are you going to the equipment?

- All over the airfield
- See the unit in use
- Able to monitor the fueling process
- Element of surprise
- May have to hunt the equipment down
- May have to call a supervisor if issues are found
- Out in the elements

# Record Keeping

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- Fuel Farms
- Mobile Fuel Equipment
- Fixed Fuel equipment
- Fueler Training

# Fuel Farms

Fuel farms are the specific area that aviation fuels are received, stored and dispensed. They can be fed by pipeline, tanker trucks, or a combination of the two.





# Mobile Fuel Equipment

- Tankers
- Hydrant Trucks



# Mobile Fuel Equipment

- Ground Service Equipment Refuelers





# Fixed Fuel Equipment

- Hydrant Carts
- Hydrant Stands



# Fueler Training

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The inspector is NOT responsible to do the fueler training, that is done by each fuel handling company, but the inspector IS responsible to verify that...

- Each fuel handling company has appropriately trained supervisors
- Each fueler receives approved initial training and refresher training as required
- Each fueler receives initial fire safety training and recurrent training

# Record Keeping

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Now that we know what needs to be inspected, how are we going to keep track?

- Paper Inspection forms

- Cheap
- Easy
- Take up space
- They get lost

- Computer based records

- Easy to store
- Multiple copies can be made
- Can be costly



# CHICAGO AIRPORT SYSTEM FUEL SITE INSPECTION REPORT

☐ Midway ☐ O'Hare International

Date: \_\_\_\_\_ Firm: \_\_\_\_\_ Inspector: \_\_\_\_\_

INSPECTION TYPE: ☐ Spot ☐ Quarterly

## EMERGENCY FUEL SHUT OFFS

NFPA 407 2-4.5

|   | Pass                     | Fail                     |
|---|--------------------------|--------------------------|
| 1. Located outside probable spill area  | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Near route that would normally be used to exit spill area or to reach fire extinguishers | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. At least one shutoff conveniently accessible to each fueling position                    | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Must shut off fuel flow to all hydrants that have a common exposure                      | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Access to shutoffs must be kept clear at all times                                       | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Must be operationally checked quarterly  | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Are in addition to deadman controls  | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Deadman controls in working order and not tampered with                                  | <input type="checkbox"/> | <input type="checkbox"/> |

## PLACARDS

NFPA 407 2-4.5.7

|  |                          |                          |
|--|--------------------------|--------------------------|
| 1. EMERGENCY FUEL SHUTOFF lettering at least 2" high               | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Method of operation indicated by arrow or word "PUSH" or "PULL" | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Lettering to be sharply contrasting from background             | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Can be seen from a distance of 25 feet                          | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Located at least 7 feet above grade                             | <input type="checkbox"/> | <input type="checkbox"/> |

## PIPING

NFPA 407 2-4.6

|  |                          |                          |
|--|--------------------------|--------------------------|
| 1. Piping properly labeled with product name | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Buried flanges or valves not permitted    | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. No leaks allowed                          | <input type="checkbox"/> | <input type="checkbox"/> |

## NOTES:

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## FIRE EXTINGUISHERS

NFPA 10 3-3

|  | Pass                     | Fail                     |
|--|--------------------------|--------------------------|
| 1. One required at each loading station. Additional extinguishers as required. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Extinguishers adequately mounted with contrasting background                | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Weatherproof tag attached. Tamper devices intact. Tag current               | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Extinguishers protected from weather  | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Unrestricted access to each extinguisher                                    | <input type="checkbox"/> | <input type="checkbox"/> |

## BONDING

NFPA 407 2-1.2, 3-4

|  |                          |                          |
|--|--------------------------|--------------------------|
| 1. Bonding wires kept on a reel or properly stored | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Bonding wires in good condition                 | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Clamps in good working order                    | <input type="checkbox"/> | <input type="checkbox"/> |

## HOSES

NFPA 407 2-2

|   |                          |                          |
|---|--------------------------|--------------------------|
| 1. Hoses shall be free of cracks and excessive wear | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Hoses must be properly stored                    | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Nozzles covered or capped                        | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. No banded clamps                                 | <input type="checkbox"/> | <input type="checkbox"/> |

## SIGNAGE

UFC ARTICLE 79

|  |                          |                          |
|--|--------------------------|--------------------------|
| 1. "FLAMMABLE" and "NO SMOKING" signs required and are at least 3" high        | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Type of fuel required on piping and at dispensing site, "JET A" and "AVGAS" | <input type="checkbox"/> | <input type="checkbox"/> |

## STORAGE

NFPA 407, UFC ARTICLE 79

|   |                          |                          |
|---|--------------------------|--------------------------|
| 1. No Open trash containers                             | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Grounds kept free weeds, trash or other combustibles | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. No open fuel containers                              | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. All containers properly marked                       | <input type="checkbox"/> | <input type="checkbox"/> |

## INSPECTOR

Signature

Print Name

|  |
|--|
|  |
|  |

# Fuel Vehicle Inspection Report

|                      |                              |                   |       |
|----------------------|------------------------------|-------------------|-------|
| Vehicle Number:      | 10                           |                   |       |
| Location:            | Ohare-FuelSatellite          |                   |       |
| Firm:                | Ohare-SignatureFlightSupport |                   |       |
| Vehicle Type:        | HydrantTruck                 | Fuel Type:        | Jet A |
| Date of Inspection:  | May 28, 2004                 | Inspection Type:  | Spot  |
| Inspector ID:        | 15493                        |                   |       |
| Operator:            | Jim R                        | Operator ID:      | 7747  |
| Capacity (gal):      | 800                          |                   |       |
| Inspection Tag Type: | Quarterly                    | Inspection Tag #: | *None |
| Remarks:             | No problems                  |                   |       |

## Emergency Cutoff System

NFPA 407 2-3.14

- |      |  |
|------|--|
| Pass | 1. "EMERGENCY FUEL SHUTOFF" sign is at least 2" high, contrasting color. |
| Pass | 2. Method of operation "PUSH" or "PULL" or indicated by an arrow.        |
| Pass | 3. Two cutoffs required, one on each side of the vehicle.                |
| Pass | 4. Quick acting, remote from fill openings and discharge outlets.        |
| Pass | 5. Must be operable from ground or any elevated platform.                |
| Pass | 6. Checked for proper operation during fueling operation.                |

## Hoses, Nozzles, and Piping

NFPA 407 2-2

- |      |   |
|------|---|
| Pass | 1. Dust caps and nozzles stored properly.                                   |
| Pass | 2. Extend hose, check for leaks using working pressure.                     |
| Pass | 3. Check nozzle screen for hose particles.                                  |
| Pass | 4. Check for kinked, crushed, soft, or severely worn hoses.                 |
| Pass | 5. Deadman controls required, may be part of nozzle for overwing filling.   |
| Pass | 6. No leaks from any piping, fittings, joints, hose, or nozzle at ANY time. |

## Bonding

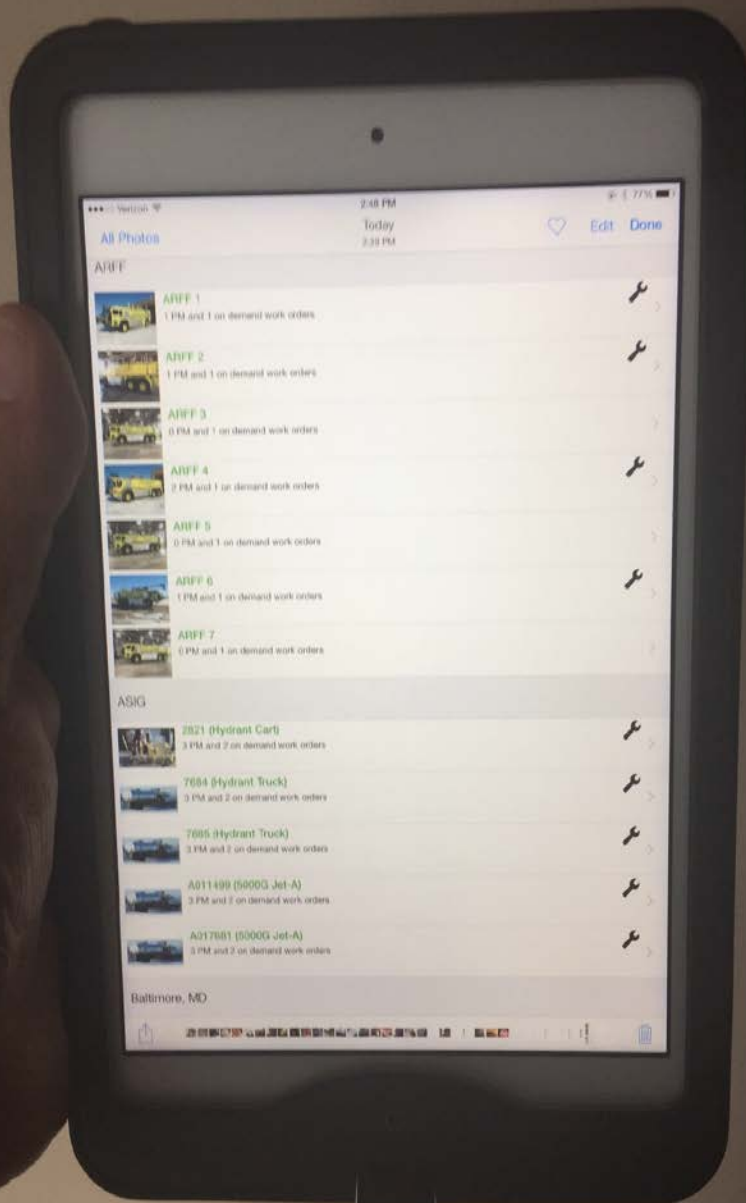
NFPA 407 2-1.2, 3-4

- |      |   |
|------|---|
| Pass | 1. Cables to be free of kinks, damage, or paint.  |
| Pass | 2. Clamps to be free of paint, properly attached to vehicle, and in good working order. |
| Pass | 3. Both clamps and cables stored properly to prevent damage.                            |

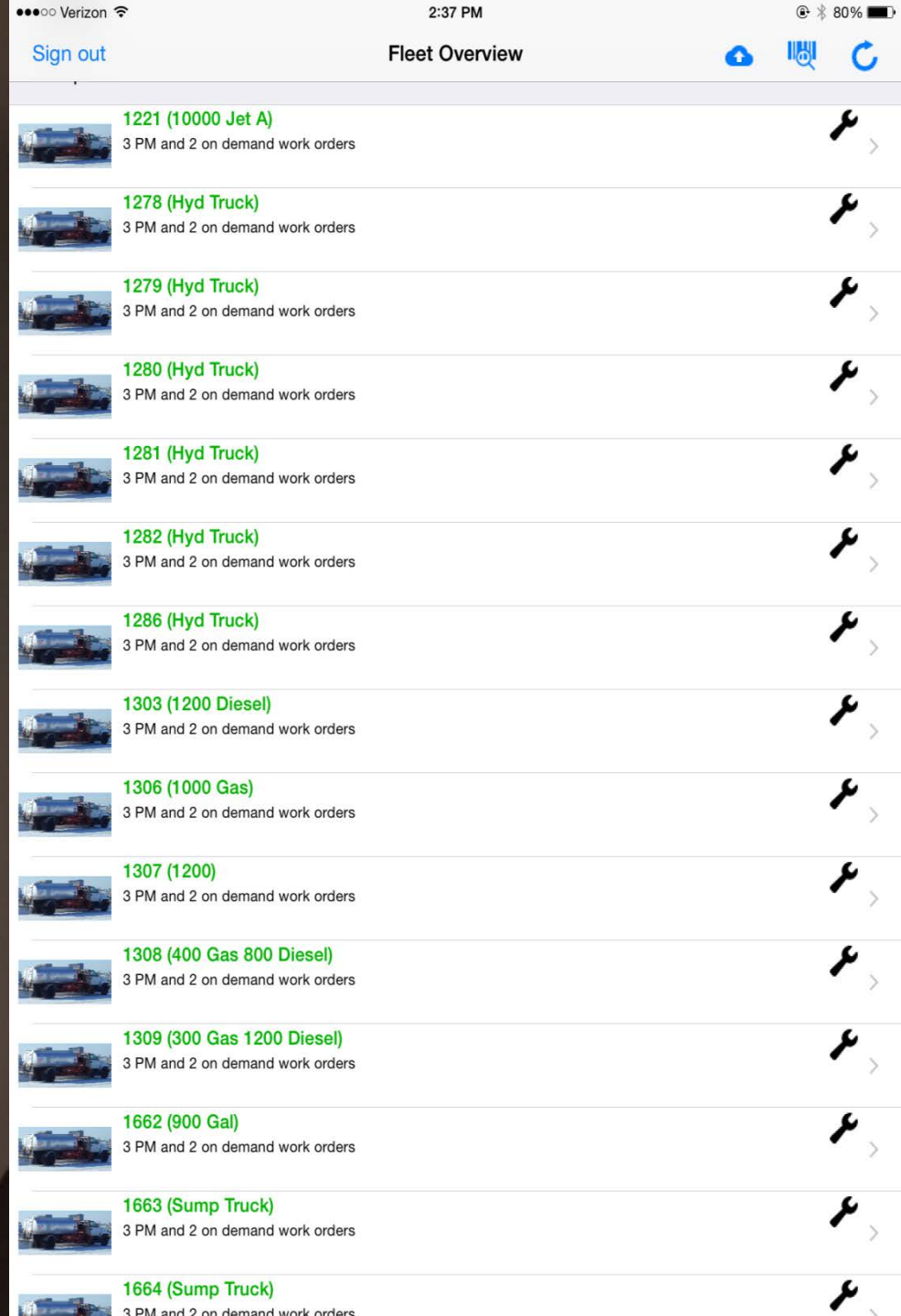
## Lights

NFPA 407 2-3.6 5

- |      |   |
|------|---|
| Pass | 1. Head, brake, tail, and marker lights operational.                  |
| Pass | 2. No cracked or missing lenses. Must be fully enclosed and gasketed. |



PHOTOS BY PERMISSION OF **FLEETCHEK**





# Record Keeping

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Once you decide how you will keep your records, you must decide what items will be inspected. For example...

- Tires
- Signage
- Electrical systems
- Hoses
- Nozzles
- Local requirements

# Record Keeping

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NFPA 407 is a extensive document that spells out requirements in detail. You need to condense these requirements on your inspection form. You need to inspect all the required items, but you many not have to list each one separately.

# CHICAGO AIRPORT SYSTEM FUEL SERVICE VEHICLE INSPECTION REPORT

☐ Midway ☐ O'Hare International

|               |  |   |               |
|---------------|--|---|---------------|
| Date:         | Firm:  | Operator:   | Operator ID # |
| Vehicle Type: | <input type="checkbox"/> Tanker <input type="checkbox"/> Hydrant Cart<br><input type="checkbox"/> Other: | Type of fuel:   | Capacity:     |
|               |  | <input type="checkbox"/> Jet A <input type="checkbox"/> AvGas<br><input type="checkbox"/> Auto Fuel | gals          |

INSPECTION TYPE: ☐ Spot ☐ Quarterly

## EMERGENCY CUTOFF SYSTEM

NFPA 407 2-3.14

- |  | Pass                     | Fail                     |
|--|--------------------------|--------------------------|
| 1. "EMERGENCY FUEL SHUTOFF" sign at least 2" high, contrasting color | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Method of operation "PUSH" or "PULL" or indicated by an arrow     | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Two cutoffs required, one on each side of the vehicle             | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Quick acting, remote from fill openings and discharge outlets     | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Must be operable from ground or any elevated platform             | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Checked for proper operation during fueling operation             | <input type="checkbox"/> | <input type="checkbox"/> |

## HOSES AND NOZZLES

NFPA 407 2-2

- |   | Pass                     | Fail                     |
|---|--------------------------|--------------------------|
| 1. Dust caps and nozzles stored properly                                  | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Extend hose, check for leaks using working pressure                    | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Check nozzle screen for hose particles                                 | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Check for kinked, crushed, soft, or severely worn hoses.               | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Deadman controls required, may be part of nozzle for overwing filling. | <input type="checkbox"/> | <input type="checkbox"/> |

## BONDING and GROUNDING

NFPA 407 2-1.2

- |  | Pass                     | Fail                     |
|--|--------------------------|--------------------------|
| 1. Cables to be free of kinks, damage or paint                                   | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Clamps to be free of paint, properly attached to vehicle, and in good working | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Both clamps and cables stored properly to prevent damage                      | <input type="checkbox"/> | <input type="checkbox"/> |

## LIGHTS

NFPA 407 2-3.6.5

- |  | Pass                     | Fail                     |
|--|--------------------------|--------------------------|
| 1. Head, brake, tail, and marker lights operational                  | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. No cracked or missing lenses, Must be fully enclosed and gasketed | <input type="checkbox"/> | <input type="checkbox"/> |

## NOTES:

|  |
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|  |
|  |
|  |

## INSPECTOR

Signature

Print Name

## SIGNAGE

NFPA 407 2-3.17

- |   | Pass                     | Fail                     |
|---|--------------------------|--------------------------|
| 1. The word "FLAMMABLE" on each side and rear in 3" high letters.           | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Product name "AVGAS" or "JET A" on each side and rear in 3" high letters | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. "NO SMOKING" on all sides, front, rear, and cab of vehicle               | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Signs must be unobstructed   | <input type="checkbox"/> | <input type="checkbox"/> |

## FIRE EXTINGUISHERS

NFPA 407 2-3.8, NFPA 10

- |  | Pass                     | Fail                     |
|--|--------------------------|--------------------------|
| 1. Tankers: two 20# B/C rated extinguishers, one on each side with current inspection Hydrant carts: at least one 20# B/C rated extinguisher | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Readily accessible from the ground.   | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Area adjacent to or behind extinguisher contrasting color   | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Extinguisher to be kept clear of ice, snow, or equipment  | <input type="checkbox"/> | <input type="checkbox"/> |

## GENERAL VEHICLE

NFPA 407 2-3.5, 2-3.6, 2-3.7, CFD Requirements

- |  | Pass                     | Fail                     |
|--|--------------------------|--------------------------|
| 1. Exhaust not to discharge near fueling pumping equipment. No leaks allowed. Must be secured to vehicle.    | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Electrical equipment located outside the cab must be rated for hazardous locations                        | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. All compartments to have open floor for adequate ventilation  | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Batteries to be covered and secured   | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Tire condition: <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Operating parking brake or two wheel chocks   | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Windshield wipers/washers operating   | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Windshield defroster and blower operating   | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. No fluid leaks from engine  | <input type="checkbox"/> | <input type="checkbox"/> |

## VEHICLE CAB

NFPA 2-3.10.1.2

- |   | Pass                     | Fail                     |
|---|--------------------------|--------------------------|
| 1. "NO SMOKING" sign in 3" letters conspicuously posted             | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Ashtray and lighter removed, rendered inoperable, or sealed shut | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cab free of trash, rags, or other combustible materials          | <input type="checkbox"/> | <input type="checkbox"/> |

## OPERATOR (IF VIOLATIONS ARE FOUND)

Signature

# Record Keeping

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- Any forms you want to develop and use must be approved by the FAA certification inspector and placed in the airport ACM.





**CHICAGO FIRE DEPARTMENT**  
**BUREAU OF OPERATIONS**  
**DISTRICT 3 - AIRPORT OPERATIONS**  
Office: 773-686-4814 Fax: 773-686-4813

EXHIBIT 12  
Page 2 of 6



**Notification of Fueling Equipment Out of Service**

The following Fueling Equipment has been placed out of service by Maintenance or Supervisory personnel. This piece of equipment will remain out of service and off the AOA, until re-inspected by The Chicago Fire Department and deemed in compliance. This information MUST be faxed to the Chicago Fire Department Inspector at the same time the vehicle is placed out of service.

Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Contact Number: \_\_\_\_\_

Vehicle Number: \_\_\_\_\_

Vehicle Type: \_\_\_\_\_

Reason: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Estimated Duration: \_\_\_\_\_

Name of person placing Vehicle out of service: \_\_\_\_\_ (print)

\_\_\_\_\_  
(Signature)

To be faxed to: Chicago Fire Department  
Fueling Equipment Inspector  
773-894-7159

Original Date: December 9, 2004  
Revision Date: 31 JUL 2009

FAA Approval: 3 AUG 2008  
Erica Halpin

# Record Keeping

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- There are certain forms the FAA *requires*:
  - Supervisory Fuel Handling Certificate
    - Obtained from the Fuel Handling Trainer/Supervisor
    - MUST be from a FAA Approved Training company (AC 5230-4B)
    - MUST have the proper wording (AC 5230-4)
  - Supervisory Fuel Handling Confirmation
    - Downloadable from the FAA
    - Attaches to the certificate
  - Line Service Fuel Safety Training Form
    - What the Trainer uses to document his classes
    - Downloadable from the FAA

# Record Keeping

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## ● Inspection records

- Fixed and mobile equipment must be inspected at least every 90 consecutive days.
  - If something fails, both the failure and re-inspection must be available
- Inspection records must be kept for at least 12 months (24 months suggested)
- Records can be either paper or electronic
  - There are companies that specialize in electronic recording programs that are acceptable to the FAA
- Fueler training records must be kept for 12 months
  - Obtained from each fuel handling company

# Starting the Inspection Program

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Before you actually go out to inspect, some things to consider:

- Make sure your inspector is prepared
  - Training complete?
  - Forms ready?
  - Everything properly approved?
  - Equipment ready?
  - Dress for the weather
- Inter-agency cooperation
  - Introduce yourself
  - Explain the program
  - Explain the form



# Starting the Inspection Program

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- Allow ample time to accomplish your task
  - Don't have unrealistic time lines
- Take a FBO Supervisor with you
  - Finding equipment
  - Unfamiliarity with the equipment
  - Questions either of you may have
  - Spirit of cooperation

# Starting the Inspection Program

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Remember why we are doing these inspections, PUBLIC SAFETY. The fuel handling company is *NOT* the enemy. Everyone *working together* to maintain a safe travel and working environment is the goal. An iron fist *does not benefit anyone*.

# Inspecting 101

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As with all inspections, some items are more critical than others. The inspector must be knowledgeable enough about aircraft fuel servicing to be able to decide which items can be delayed and which items require a piece of equipment to be placed Out of Service.

# Inspecting 101

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Some items that require an Out of Service designation.....

- ◉ Leaks
- ◉ INOP safety devices
- ◉ Missing Safety Equipment
- ◉ Damaged Equipment
- ◉ Unsealed interlock override

# Inspecting 101

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Items that need repair, but not necessarily be placed Out of Service....

- ◉ Worn tires
- ◉ Faded, damaged decals
- ◉ Dirty equipment
- ◉ A broken bonding cable
  - You only need 1!





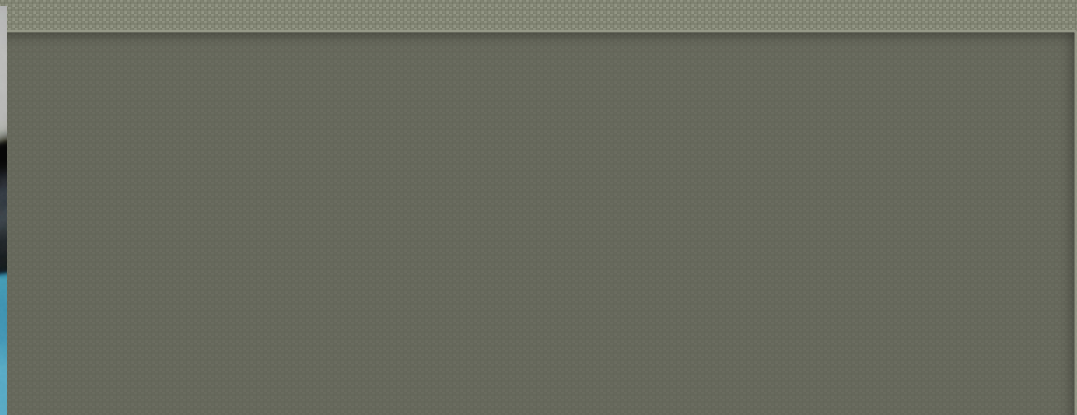
GOOD



FAIR



ARE YOU  
KIDDING ME??







TRUCK  
TRACTOR  
PROTECTION

NORMAL EMERGENCY

NOTE  
SEAL



NOT FOR PARKING







# Inspecting 101

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Reserve your Out of Service powers for only the severe violations. A fueling vehicle that is Out of Service is costly in many ways to the fuel handling company.....

- ◉ The repair itself
- ◉ The loss of revenue
- ◉ The employees loss of income
- ◉ The loss of revenue to the airport

# Inspecting 101

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A high quality inspection program is not determined by how many violations you can find. A high quality program has cooperation between agencies, respect between all parties, approachability and understanding. Everyone on the airfield relies on one another.

# Inspecting 101

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You will find that as your program matures, you will see less and less equipment violations. The dreaded inspector will become someone who is not feared, but look upon as someone who is looking out for people and approachable. Remember, these are machines, and machines sometimes break.....



# Questions?

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This has been a very brief introduction into inspections of Airfield Refueling Equipment Inspections. There is much that was not covered due to time limitations. Are there any general questions I can answer?



# Assistance

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If you require a Train the Trainer Inspector Course, a FAA Approved Train the Trainer Supervisory Fuel Handling Course, help setting up your inspection program, or help navigating NFPA 407 please feel free to contact me.

Fred A. Cnota  
Aviation Fire Safety Consultants, Inc.  
*fcnota@avfiresafety.com*  
*1(773)507-6324*



*Training to make your airport safer*

**[fcnota@avfiresafety.com](mailto:fcnota@avfiresafety.com)**

**1(773)507-6324**