

COURSE NUMBER 55-0506-18
7/5/2005
2 HOURS
AIRPORT FAMILIARIZATION (ATHENS)

Lesson Title

Airport Familiarization. Athens-Ben Epps Airport, Athens, Georgia

Learning Objectives

Complete Airport Familiarization

The student should learn the layout of the airport. He should be familiar with current construction, current entry route, permanent entry route, hydrant locations, fueling hazards, exposures, flight patterns, runway numbering and orientation, aircraft capacity, fire fighting capability, and staffing of the airport.

Preparation for Site Visit

Using the tools covered in this class, the student should have the base knowledge to take an actual tour of the airport property, and tie the classroom data to what he will see, both in the daytime and at night.

Time Frame

2 hours in the classroom

Level of Instruction

Presentation

Materials Needed

Computer

Projector

CD Rom with Powerpoint lesson *See Chief Hendrix for current version.*

Handouts

Outline

Instructor Notes

Student Handouts

Various Maps from Slides

Instructions to the Instructor

Use the Instructor handout that has instructor notes for each slide.

References

IFSTA Aircraft Rescue and Firefighting, Fourth Edition, Chapter Two

Course Goals

We would like for all of our Fire Department personnel to be thoroughly familiar with the layout of the airport property, in order to minimize our response time in the event of a true emergency.

- 1 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
 - Where have you responded to an Aircraft Emergency ?
 - At the Airport ?
 - Near the Airport ?
 - Was it on take-off or trying to land ?
- 2 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
 - How are runways numbered ?
 - How many degrees are on a compass ?
 - A runway could be used in 2 directions
 - They are 180 degrees apart
 - Last zero dropped for Runway #
- 3 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
 - Example: If a runway was numbered 9, It's direction is 90 degrees (Due East). The other end of the runway would be 27, or compass heading 270 (Due West). Always 180 apart...
 - Here are our Runways
- 4 *Blank Runway map*
- 5 **AIRCRAFT AND WEATHER**
 - What is the single most important factor that determines which direction an Airplane takes off from, or lands to ?
 - Is it Destination ?
 - Or is it WIND direction ?
 - Why is this relevant ?
- 6 **KNOWN HAZARD ZONES**
 - What direction does our wind normally come from ?
 - T.V. Weather men use the term "Winds FROM the South West"
 - Sometimes they say Easterly winds at 10 MPH.
 - Lets look at our Runways
- 7 *Hazard zone map*
- 8 **OUTSIDE & ADJACENT PROPERTY**
 - What key areas are near the Airport?
 - Hanson Rock Quarry
 - Milo Concrete
 - Satterfield Park
 - The new LOWES
 - ACCPD and the Jail

- 9 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- Permanent entry route into the Restricted Area
 - Entry road is now a 1 way counter-clockwise loop
 - Permanent Gate Code for our use. Protect this information!
 - *See Chief for current code*
- 10 *Permanant Entry map*
- 11 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- Layout plans for the Airport
 - This was a 2005 SPLOST project
 - The new Main building (Flight Center) is complete
 - The new Fire Station is complete
 - Lets look at the drawing
- 12 *Architect Plan Map*
- 13 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- Control Tower
 - Staffing 8 AM to 8 PM Every Day
 - Airport Staff
 - Roles & Responsibilities
 - 800 MHZ Radio Communications
 - "FIRE MAIN" on Emergencies
 - They will switch to OUR channel
- 14 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- Main Flight Center Building
 - Front Desk open 9 AM to 9 PM
 - Phone 613-3420
 - Fueling performed via Truck (By Airport Personnel)
 - 6 AM to 10 PM
 - Water Supply
 - Hydrants
- 15 *Water Line Map*
- 16 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- NEW Fire Station and Location
 - Old CFR-1
 - CFR-2 Mini-Pumper (Yellow)
 - 100 Gallons 3% AFFF solution

- 450 lbs Purple K
- Nozzle on top can dispense either

- 17 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- **NEW Crash Fire Rescue Truck**
 - Delivered Early 2006
 - **Specifications**
 - **CFR-1 Large Airport Type Truck**
 - 1500 Gallons of H2O
 - 200 Gallons AFFF Concentrate
 - Built in proportioner
 - 450 lbs Dry Chemical

- 18 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- **Adjacent & Inside Tenants**
 - Georgia State Patrol
 - Army National Guard
 - U.S. Jets
 - GA Aviation
 - Sonnys
 - AirStar

19 *Water Line Map*

- 20 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- **Inside The Fence**
 - Aircraft located in hangers
 - Many tied down outside
 - A take-off or landing is considered 1 operation
 - ~80,000 Operations occur annually
 - 500-600 on busiest days (Ballgames)
 - 100 on a typical day

- 21 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION
- **Largest capacity is a C-130, 737, or DC-9 type aircraft**
 - **There could be up to 80 souls on board, on a larger aircraft**
 - **A large corporate jet could have 5 to 6 Thousand gallons of JET FUEL on board during take off**

22 **ATHENS BEN EPPS**

RUNWAY ORIENTATION

- **Main Runway is: 9/27**

- Usage 27=60%, 9=35%

- **Secondary is: 2/20**

- 2/20 used ~5% of the time

23 *Marked Runway map*

24 **ATHENS BEN EPPS**

TAXIWAYS

- Taxiways parallel the runways and offer access to different parts of the runways.
- Taxiway "Alpha" is associated with Runway 9/27
 - Also A1,A2,A3,A4,&A5
- Taxiway "Bravo" is associated with Runway 2/20
 - Also B1,B2,B3,&B4

25 *Marked Runway map*

26 **ATHENS BEN EPPS**

AIRPORT FAMILIARIZATION

- Pay attention to the signage, which marks Taxiways and Runways
- See the sticker being passed around that shows the black / yellow location signs, the yellow / black directional signs, and the Red / White hold signs.

27 *Signage Sticker*

28 **ATHENS BEN EPPS**

AIRPORT FAMILIARIZATION

- A new Commercial Terminal is proposed and approved as a lower tiered SPLOST project. It is to be built on the South side of the airport, with access from Lexington Road.
 - Construction possible in 2009-2010

29 *Marked Runway map*

30 **ATHENS BEN EPPS**

INCIDENTS

- Follow AIRPORT Personnel whenever possible.
- Stay on the pavement at all times (Runways, Taxiways)
 - The access road by the church on Beaverdam Road leads to a wet area, and should not be used if possible

31 **ATHENS BEN EPPS**
AIRPORT FAMILIARIZATION

● **Call Dan Demsky at the airport and arrange a time for you and your crew to tour the Airport**

● **706-613-3420**

32

ATHENS BEN EPPS
AIRPORT FAMILIARIZATION

THE END