

Aircraft rescue and fire fighting

[Environment](#), [Air](#)



Within the rising influence of human technologies and the impacts of advancement, the danger is also increasing day by day; the danger is related to the misuse of these advanced facilities. People usually get many appliances in their homes but they do not even know that how could they be dangerous to them.

There are many other operations, which are very heinous for the human life. Water, air and fire are considered as the most important features of the human life but as it has been well said that every thing should be used in an appropriate manner. These basic facilities should also be used in a manner of consciousness. However, if the fault is of nature then one could do nothing.

Fire is the most dangerous natural resource as it can make people feel warm and it can also create a great disaster if once misused. Fire eruption is a common phrase. Many things can cause fire eruption. Firstly the most common reasons of fire eruption is short circuit. In many cases people left their homes with their gas connections turned on and this creates a big problem for them in the face of fire eruption.

In the criteria of fire eruption, the most important feature that is counted highly is that how the fire fighting operations work. All of those agencies that work for the rescue of the people are termed as rescue agencies and the functioning of their rescue missions are termed as rescue operations.

Emergencies can overcome a person anytime; the main feature is the criteria and strategy to cope with it. In cases of fire eruption the fire fighting agencies should be usually active because it is their work to rescue people from gutted buildings or interiors of their homes. Usually in many cases fire

fighters do not have basic facilities to cope with the disaster such as water tanks.

Water tanks are the necessity to turn the fire into smoke and ambush through water. This paragraph favors the presence of all major and minor facilities in these fire-fighting operations as through the absence of a single or minor facility a great disaster can overcome the lives of many people.

“ The Airport Rescue and Firefighting Station is responsible for aircraft emergencies that occur at the El Paso International Airport. The Station is located on airport property and is staffed 24 hours daily. In addition to aircraft emergencies, the crew responds to medical emergencies at the terminal and inside the perimeter of the airport. Other types of incidents include fuel spills, accidents, hazardous materials incidents, and calls for assistance. Vehicle Descriptions

ARFF 1 – 1999 Oshkosh TI-1500 Aircraft Firefighting Vehicle

1500 gallons water

210 gallons Aqueous Film-Forming-Foam (AFFF)

460 pounds of Halotron I” (www. elpasotexas. gov – Aircraft Rescue & Firefighting Division)

According to the central idea of the above reference it has been cleared that the Aircraft Rescue and Firefighting is always active to face any of the upcoming disaster. To cope with the problems, which occur often on the aerodromes or airports, the ARFF has been employed with many facilities,

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which help in overcoming the disasters, which usually occur on the airfields. ARFF personnel are activated 24 hours to fight with any unusual or unexpected occurrence.

“ Environmental regulations are getting more and more stringent, making it difficult for aircraft rescue and fire fighting (ARFF) personnel to get quality fire fighting training. The environmental regulations are increasing the cost of operating liquid hydrocarbon-based training facilities and forcing several training facilities to close or transition to propane.” (www. elpasotexas. gov – Aircraft Rescue & Firefighting Division)

Aircraft Rescue and Fire Fighting is a specific kind of fire fighting unit designed to tackle the emergencies at the airports and aviation. The Federal Aviation Administration (FAA) in the US administers the ARFF operations and the FAA inspects the airports at least once in a year.

The fire fighters and the rescue personnel are required to get some training in the specialized field of fire fighting and rescue operations. Special kinds of apparatus, tools and extinguishing agents are used in aviation rescue operations.