

FUEL MANAGEMENT

PARAFIELD AIRPORT



Fuel storage at Parafield airport has the potential to harm the environment. Volumes of JetA1 and avgas are stored on site by airlines, flight training schools and refuellers as part of operating their business. These guidelines apply to the transfer of fuel from a mobile tanker to a bulk storage tank, pre-flight fuel checks and aircraft refuelling. The pavements at Parafield Airport are porous therefore any fuel spills can also cause damage to the pavement if not cleaned up in a timely fashion.

OBLIGATIONS OF OPERATORS AT PARAFIELD AIRPORT

The Airport (Environment Protection) Regulations 1997 require operators at the airport to take all reasonable and practicable measures to prevent the generation of pollution.

Waste fuel generated by pre-flight fuel checks on aircraft is to be disposed of in accordance with the Environment Protection Act 1993. In practical terms this means disposing of fuel via a suitable container to ensure that fuel does not contaminate the soil and or stormwater. A central location should be used by operators to store the waste fuel and where possible located under cover. Minor storages of fuel as defined by Australian Standard AS1940-2004, are to be stored in a closed package. Emptying the containers is to be undertaken by a licenced waste contractor.

Those involved in fuelling aircraft (namely refuellers and pilots) shall take all reasonable steps to ensure that fuel spills as a result of over filling fuel tanks and or venting do not occur. Persons responsible for a spill must ensure that it is cleaned up immediately to prevent pollution and limit any pavement damage. Environmental conditions, such as the temperature and slope of the ground should be taken into consideration before fuelling aircraft.

FUEL STORAGE REQUIREMENTS

Fuel storage, handling and disposal activities on airport must meet these guidelines as well as the following requirements where relevant:

- Airports Act 1996 and Airports (Environmental Protection) Regulations 1997
- SA Environment Protection Act 1993 and Environment Protection Regulations 2009
- SA EPA Guideline for Bunding and Spill Management June 2007
- Parafield Airport Sustainability Plan 2009
- Australian Standard: The storage and handling of flammable and combustible liquids AS 1940-2004
- The Australian Dangerous Goods Code 7th Edition (ADG7)

FUELLING REQUIREMENTS

The location of fuelling aircraft shall comply with the requirements of Civil Aviation Order (CAO) Section 20.9 Air Service Operations - Precautions in Refuelling, Engine and Radar Ground Operations. During fuelling operations no fuel tank filling points or vent outlets are to be located:

- Within 5 metres of any sealed building
- Within 6 metres of stationary aircraft
- Within 15 metres of any exposed public area
- Within 5 metres of an unsealed or grassed area.

The following rules are to be complied with during fuelling:

- Where possible, all fuelling shall occur on hard stand (concrete or asphalt)
- All engines must be stopped and ignition switches in the "OFF" position
- Smoking, use of mobile phones and other electronic equipment is prohibited within 3 metres of any fuel storages or refuelling activity
- There is to be no fuelling of equipment within 15 metres of a stormwater drain without adequate drain protection
- Bulk fuel storage tanks must be accompanied by proper signage, spill equipment and a fire extinguisher
- **ALL SPILLS ARE TO BE CLEANED UP BY RESPONSIBLE COMPANY**

ALL SPILLS GREATER THAN 2L MUST BE REPORTED TO THE AIRPORT CO-ORDINATION CENTRE ON 8154 9444.

Operators are required to have adequate absorbent materials available for spill clean up. In the event that an operator is unable to clean up a spill, Parafield Airport Limited will do so however any costs associated with the clean up will then be passed onto the responsible party.

References

Civil Aviation Order (CAO) Section 20.9 – Air Service Operations - Precautions in Refuelling, Engine and Radar Ground Operations

Parafield Airport Aerodrome Manual Standard Operating Procedure 12.1 – Handling of Hazardous Materials.

