

Airport Operating Standard

Spill Prevention and Response



A yellow plastic spill kit container stands on a grey gravel surface. The container has a lid with a small label and the words "SPILL KIT" printed in large, bold, red letters on its side. In front of the container, there is a stack of white absorbent pads on the left and a roll of white absorbent material on the right. The roll is thick and has a textured, fibrous appearance, with some metal fasteners visible at the bottom. The scene is brightly lit, casting shadows on the gravel.

SPILL KIT

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Introduction

Airport Operating Standards have been produced by Perth Airport to ensure safe operations at Perth Airport. The ***Spill Prevention and Response*** standard applies to all airside operators and their staff who are undertaking operations on the airside area.

Any spill has potential to threaten safety of people and infrastructure and the health of the environment, as well as causing significant disruption to aircraft operations. The ***Spill Prevention and Response*** standard aims to provide a safe environment for all airside staff, passengers and aircraft and to ensure that the requirements documented in this standard are relevant and capable of practical implementation by all staff.

This Standard and the procedures described within may be amended from time to time by PAPL on recommendation of the Perth Airport Airfield Operations Management Committee following a meeting of the Airfield Operations Safety Management System. PAPL will endeavour to provide sufficient notification of changes to operators; however, it is the responsibility each operator to keep informed of any amendments.

The Standard includes:

- Responsibilities
- Prevention
- Response
- Effluent spills
- Emergency facilities

The Standard is designed to be read in conjunction with the ***Perth Airport Operating Protocol*** and the following Airport Operating Standards:

- ***Airside Waste Management***
- ***Aircraft Turnaround***
- ***Incident Reporting & Responding***

The above documents are available via the Perth Airport Extranet at <https://perthairport.sharepoint.com/sites/Extranet> or via the Corporate page on the Perth Airport website www.perthairport.com.au/AOP.

Responsibilities

Perth Airport Pty Ltd (PAPL)

PAPL is responsible for producing this Standard and consulting with stakeholders as necessary to determine operating requirements and necessary restrictions.

PAPL (Airfield Operations) has the day-to-day responsibility for implementation of this standard. PAPL will also undertake regular patrols of the apron and movement area in order to encourage responsible spill prevention and spill response practices.

PAPL is also responsible for the handling of quarantine waste in accordance with the *Biosecurity Act 2016*.

Airside Operators

Airside operators have a responsibility to prevent spills from occurring airside. Airside Operators are also responsible for the cleaning up of small spills using their own resources and equipment. Aircraft, equipment and plant used airside and within leased or licenced areas must be maintained in good working order through a dedicated maintenance program in order to minimise spills of fuel or hydraulic oil.

In addition, the operator must ensure:

- That they hold a current Airside Operating License (AOL) with PAPL.
- All staff are aware of their obligations and are sufficiently supervised.
- Notify ACC of any fuel, oil or hazardous material spill that occurs airside, regardless of size.

All Airside Personnel

All airside personnel must be trained in the appropriate handling, storage and transportation of materials. Airside personnel must not do anything that is known to cause, or is likely to cause spillage of materials harmful to the environment.

Prevention

All operators and tenants are responsible for the prevention of a spill occurring. Preparation, plans & procedures and training are key.

Prevention

- Liquid storage tanks must be bunded and restrained in accordance with the WA Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007.
- All refuelling vehicles must carry absorbent material at all times, ready for immediate use should a spill occur.
- All other airlines and ground handling agents must have suitable materials (outlined below) in order to provide a timely response to small spills that occur on the apron.
- Where spill response kits are stored outside operator lease areas, approval from PAPL is required with regards to location of spill kits in common user areas.

Spill Response Kit

A spill response kit should ideally contain:

- Non-spark (grain) shovel
- Broom
- Disposable gloves
- Safety goggles
- Coveralls
- Disposable masks
- Waste bag with ties for disposing of contaminated absorbent materials
- Absorbent material, e.g. absorbent sheet, diatomaceous earth (kitty litter), cellulose product
- Suitable biodegradable, quick-break degreaser (such as Global Green)

The contents of the spill kit should be suitable for the Airside Operators' operations and in accordance with company policies.

A list of the contents should be included in the spill response kit.

The following supplier has been used by Perth Airport to supply spill clean-up products.

Global Spill Control
50 Murray Road (North), Welshpool, 6106, WA
Phone: (618) 9258 5877
Fax: (618) 9258 5833
Website: www.globalspill.com.au

Maintaining and auditing spill kits

The Airside Operator who provides the spill response kit(s) must:

- audit the kit at least annually or post when the kit has been used;
- maintain the kit to ensure it contains the required contents; and
- ensure the contents are in good condition.

Any materials used from a spill kit are to be replaced immediately or, if unavailable, then replacement with a complete spill kit. The spill kit should be clearly marked with the Airside Operator's name and when the last audit was completed.

The kit should be sealed in such a way as to be easily accessible in a spill situation, but prevent inadvertent use at other times.

Plans and Procedures

All airside operators and tenants must have a plan for dealing with any spill that occurs on the airside. The Spill Response Plan is to outline, as a minimum, the following:

- Details of the nominated representative responsible for managing spill prevention and response.
- Spill prevention plan.
- Spill control and containment measures for small spills and large spills.
- Spill clean-up procedures.
- Provisions for the disposal of waste generated during clean up.

A small spill is one that can be cleaned up using 1 or 2 persons and a minimal amount of equipment. The cleaning up of small spills is the responsibility of the operator/tenant using their own resources and equipment.

Training

Operators and tenants must ensure that all personnel and contractors are aware of the correct response procedures should a spill occur.

A training program covering the following subjects, must be developed by operators.

- Environmental awareness
- Spill Prevention
- Spill Response (including containment, clean up, correct disposal procedures and contact numbers)
- Safety hazards

Response

The response to a spill should involve four stages – Control, Containment, Contact and Clean.

Control

Immediate action should be taken to secure the site and prevent further material from spilling, but only when it is safe to do so. These actions can include:

- Get people away and upwind
- Cordon the area off
- Turning off any ignition sources.
- Avoid movement of leaking Ground Servicing Equipment, such as pallet loaders, after a spill has occurred as this can increase the spill size and area covered.
- In the case of a punctured drum, the drum can be rolled over so the puncture is on top. This should prevent further spilling of material.
- Larger containers which are leaking should be moved quickly to a bunded area.
- Valves or pumps should be turned off to stop leaks from pipes and fittings.

In all cases personnel must not:

- Attempt to lift heavy objects unassisted.
- Expose themselves to toxic material without appropriate protective clothing.
- Enter a confined space without appropriate breathing apparatus.
- Expose themselves to hazardous situations.

Containment

Action should be taken as soon as possible to contain the spill in order to stop the material entering stormwater drains or contaminating soil.

- Spills should be contained using absorbent material.
- Any stormwater drain should be protected first by forming a “dam” of absorbent material around the drain.
- Spilled material should then be contained by forming a “dam” of absorbent material around the spill.

Contact

As soon as practicable, the spill must be reported to:

- The Airport Control Centre (ACC) on 9478 8572.
- The person's immediate Supervisor.

An incident report must be provided to the Perth Airport within **24 hours** of the incident occurring.

Clean

Cleaning up of the spill should only be undertaken if safe to do so (ensuring appropriate PPE is worn).

Absorbent materials such as diatomaceous earth or polypropylene are the preferred products for the cleaning of any spills. These products absorb the spill material leaving no residue and have no detrimental impact on the environment. Approved cleaning materials are listed and available from the supplier detailed on page 4

In cases of 'heavy oil' spillages it may be necessary to scrub the area of the spill with a light detergent to remove any residue of the product. This residue will also then need to be removed.

Saturated absorbent material should be placed in plastic bags to prevent leaching of the material and then disposed of according to the material spill as below;

- **Prescribed Waste:** oil, fuel, detergents, chemicals etc.
- **Quarantine Waste:** toilet spills, catering spills etc.

The disposal of any waste material must be carried out in accordance with this standard and the Airport Operating Standard – ***Airside Waste Management***.

A Spill Bin is located adjacent to Bay 7 on the Terminal 4 apron for the disposal of absorbent cloth and spill related materials or on the International apron next to Bay 156.



The Spill Bin is strictly for the disposal of spill-related materials.
Dumping of other materials in this bin is **strictly prohibited**.

If the operator is either unable to clean the spill, or where clean-up has been attempted and the spill has not been cleaned to the satisfaction of Perth Airport, Perth Airport will clean the spill and charge the costs to the operator. A specialised contractor will be engaged for the cleaning up of large spills, and unreported spills with 100% of costs recharged to the responsible operator.

The Airfield Duty Manager (ADM) will advise the ACC when the spill has been cleaned and the bay/area can be returned to service.

Effluent Spills

When responding to spills and other hazardous materials, it is important that airside users do not come into direct contact with the material and take all necessary precautions to protect themselves and others.

Each company is responsible for the management and cleanup of their own effluent spills.

Emergency Facilities

Emergency Fuel Shut Down Buttons

Emergency Fuel Shut Down buttons are located in the vicinity of aircraft parking bays where hydrant fuel is provided and on-board refuelling vehicles.

All airside workers are encouraged to push an Emergency Fuel Shut Down button if they perceive that a genuine risk to the safety of staff, passengers, aircraft, or property exists.

Emergency Shower and Eye Wash Facilities

Emergency shower and eye wash facilities are provided in the vicinity of the bays and on various aprons. These facilities should be used by any airside personnel that come in contact with hazardous liquids or other material.



Important

Airside personnel who have fuel spilt on their clothing, should not remove the clothing until they are under an emergency deluge shower. Otherwise, static electricity caused by the removal of the clothes may ignite the fuel.

Further Enquiries, Contacts & Emergencies

Further enquiries

If you have any questions in relation to this standard, please contact:

General Manager Operations
Perth Airport Pty Ltd
PO Box 6
Cloverdale, Western Australia, 6985
Phone: (618) 9478 8879
Fax: (618) 9478 8889

For proposed changes to this standard, please email document.controller@perthairport.com.au. Changes will be considered by the Ramp Safety Committee.

Important contacts

Airfield Safety & Operations Manager

Phone: 9478 8441

Mobile: 0407 087 360

Airport Control Centre (ACC)

Phone: 9478 8572

Airfield Duty Manager (ADM)

Phone: 9478 8424

Mobile: 0419 195 790

Emergencies

In case of emergency contact 000 (if life threatening situation) then ACC on 9478 8500.



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