

Allied Aviation

SIC Codes 5171
 Primary Activity Fuel Storage
 Drainage Areas 6, 7
 Nearest MS4 Inlet < 200 ft.
 Address 3698 Pacific Hwy. #C
 San Diego, CA 92101

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Facility Description and Activities

1. Allied Aviation main office is located in the North Ramp Area next to the ARFF station. A second "remote" fueling facility is located adjacent to the CT. An above ground OWS is installed (Jan 2013) at the remote fueling station and is functioning properly. This will prompt changes in current stormwater practices.
2. The Fuel Storage Facility has the following: - Three dual-position jet fuel unloading islands with spill containment. These pumps are used only as emergency backups. - Two 1,000,000-gallon jet fuel ASTs within secondary containment. - One 15,000-gallon diesel underground storage tank (UST). - One 15,000-gallon auto gas UST. - One 1,000 gallon Jet A Low Lead Fuel Tank, within secondary containment. - A diesel/auto gas loading/unloading island with spill containment. - One 3,000-gallon waste fuel UST. - An equipment pad with spill containment. - A foam equipment building with a 1,500-gallon 3% aqueous foam concentrate AST. - A 12,000-gallon oil/water separator includes an 8,000-gallon holding tank to treat fuel spills.
3. The Remote Fueling Facility, operated by Allied Aviation and used by ASIG, Landmark, and American to load fuel trucks, has the following: - Four single-position refueler loading islands with spill containment. - One 12,000-gallon underground waste water tank. - One 3,000-gallon underground reclaimed fuel tank. - An underground pipeline conveying fuel from the Fuel Storage Facility.
4. A trailer unit or mini vac-truck of 250-gallon capacity is available to clean up spills.
5. NRC is the designated Oil Spill Response Organization (OSRO) to provide cleanup services in case of a spill.
6. ASIG trucks take Jet-A fuel at the Remote Fueling Facility and then take fuel to the gates. Jet fuel comes from 10th Avenue by an underground pipeline to two 1,000,000-gallon ASTs at the Fuel Storage Facility. An annual survey is performed on leak detection systems. After Landmark relocates, all fuel be provide by Allied.
7. The only equipment maintenance performed is on the nozzle valves at the loading islands and the valves on pumps. Pipes at loading/unloading islands are painted.
8. At the Fuel Storage Facility, pig mats are placed over the storm drains that are not linked to the OWS, this is done only during fueling activities.
9. The emergency eye wash station is tested monthly and water is allowed to evaporate and does not reach the storm drain. Fire hydrants at the foam house are flush-tested annually producing a foam discharge. A bermed area is created in the parking lot and all discharge goes into the drains connected to

the OWS. IPS performs this task.

10. The only outdoor area that is cleaned is the concrete pad at the loading islands in the Remote Fueling Facility. The area is steam cleaned, and the discharge enters the 12,000-gallon underground wastewater tank. Filter Recycling collects and disposes of wastewater and picks up wastes.

11. The Firefighting equipment near the two 1-million gallon tanks are tested annually with water only to make sure adequate water pressure is available. The water is discharged into the storm drains. BMPs have been recommended to prevent discharge carrying any potential pollutants into the storm drain.

12. At the foam house, the test ports inside the house are used to test the water to foam ratio. IPS performs testing and berms testing area, captures, and disposes of discharge.

13. Filter Recycling services the OWS and the 12,000-gallon wastewater UST annually and collects all hazardous wastes. Annual wet weather sampling is done at catch basins per the Industrial Stormwater Permit.

14. Tenant has a Storm Water Pollution Prevention Plan, Spill Prevention, Control, and Countermeasure Plan, and Facility Response Plan.

15. Quarterly scrubbing is performed to remove oil & grease stains within lanes at the remote fueling station.

16. Other providers include California Detection Systems (Cal-Detection) and Western Pump. Cal-Detection performs trace test to determine if there is leak in the fuel pipes and cathodic protection for corrosion control. Western Pump performs maintains underground alarms for DUSTO (Designated Underground Storage Tank Operator).

17. New lightning protection onsite to dissipate electricity from lightning.

18. Allied has their own SWPPP and SPCC. They conduct their own storm water sampling at 4 locations within their operational area.

Significant Materials/Activities Potentially Exposed to Storm Water

<u>Potential Pollutant Sources</u>	<u>Potential Pollutants</u>
Building & Ground maintenance	Anti Freeze
Cargo handling	Cleaning Solutions
Equipment storage	Degreasers
Fire fighting equipment testing	Degreasers (Citrus based)
Fluid leaks	Fire Fighting Foam
Fuel spills,Fuel transfer	Fuel
Fuel storage	Fuel (Diesel)
Material loading/unloading	Fuel (Gas)
Outdoor apron washdown	Hydraulic Fluids
Outdoor waste storage	Lubricants
Pesticide usage	Metals
Tank fuel transfer	Oil & Grease

Trash collection
 Vehicle parking
 Water/Fuel mixture within berm

Paints
 Pesticides/Herbicides/Fertilizers
 Solvents

Best Management Practices Applicable to Facility

Activities

Non-Storm Water Management
 Outdoor Equipment Ops Maintenance Areas
 Aircraft, Ground Vehicle & Equipment Maintenance
 Aircraft, Ground Vehicle & Equipment Fueling
 Outdoor Loading/Unloading of Materials
 Outdoor Material Storage
 Waste Handling & Disposal
 Building & Ground Maintenance
 Employee Training
 Outdoor Wash down/Sweeping
 Fire Fighting Foam Discharge
 Parking Lots
 Housekeeping
 Safer/Alternative Products
 Spill Prevention, Control & Clean Up
 Structural Treatment Control BMPs

BMPs

SC01 - 1, 2, 4
 SC02A - 1, 2
 SC02B - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
 SC03 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
 SC06 - 1, 2, 3, 4, 5, 6, 7
 SC07 - 1, 2, 3, 6, 7, 8, 9, 10, 11, 12
 SC08 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14
 SC09 - 1, 3
 SC10 - 1, 2, 3, 4
 SC12 - 6, 7, 8, 9
 SC13 - 1, 2, 3, 4, 5
 SC16 - 1, 2, 6, 11, 12
 SC18 - 1, 2, 3, 4, 5, 6, 7, 8, 9
 SC19 - 1, 2
 SR01 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
 TC01 - 1, 2, 3, 4

* Appendix B provides descriptions for each BMP category.

Structural Control measures used by facility:

Fueling areas are sloped to divert water into oil water separator.
 Concrete secondary containment around storage tanks.
 Concrete curbing to direct drainage to the oil water separator.
 A 12,000-gallon oil water separator and 8,000-gallon holding tank to treat fuel spills.
 Pig mats are placed over storm drains that are not linked to the oil water separator during fueling activities.
 Parking lots are bermed and diverted to the oil water separator during fire-hydrant testing.

Materials Storage Area

Fuel storage facility (FSF); remote fueling facility (RFF)

Materials Storage Amounts

1,500 gallon AFFF (3% concentrate) stored at FSF foam equipment building
2 1,000,000 gal jet fuel ASTs at FSF
1 15,000 gal diesel UST at FSF
1 15,000 gal auto gas UST at FSF
11,000 gal Jet A Low Lead AST at FSF
1 3,000 gal waste fuel UST at FSF
1 12,000 gal oil/water separator with 8,000 gal holding tank to treat fuel spills at FSF
1 12,000 gal underground waste water tank at RFF
1 3,000-gallon underground reclaimed fuel tank at RFF
55 gallon drum waste absorbent at FSF
No other materials recorded above 55 gallon

Shipping/Receiving Area

Fuel storage facility (FSF)



PROJECT NO.:	5025-13-0031
DATE:	JUNE 2015
DRAWN BY:	RMH
CHECKED BY:	AJA



**Allied Aviation
Operating Areas
San Diego International Airport**

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