

Menzies Fuel Farm

SIC Codes 5171

Primary Activity Fuel Storage

Drainage Areas 6, 07

Nearest MS4 Inlet < 200 ft.

Address 3698 Pacific Hwy. #C
San Diego, CA 92101

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Facility Description and Activities

1. Menzies Fuel Farm 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 was installed (Jan 2013) at the remote fueling station and is functioning properly.
2. The Fuel Storage Facility has the following: - Three dual-position jet fuel unloading islands with spill containment. These pumps are used only as offload only. - 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 2,000-gallon aviation low lead gas storage. - 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 Menzies Fuel Farm and used by Menzies Aviation and Signature to load fuel trucks, has the following: - Five 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, the unit is located directly outside the Menzies Fuel Farm Main Office.
5. NRC is the designated Oil Spill Response Organization (OSRO) to provide cleanup services in case of a spill.
6. Menzies Aviation 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. Fuel is provided by Menzies Fuel Farm.
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 when there is a spill. As of September 2019, five new covers (pig mats) replaced the old unused weather worn covers stored on the wall perimeter walls.
9. The emergency eye wash station is tested monthly and water is allowed to evaporate and does not reach the storm drain. 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. NRC 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. No foam discharge is created in the process. During all equipment and facility testing, the test area is bermed and all waste water is collected and disposed off site.
13. NRC services the OWS and the 12,000-gallon wastewater UST annually and Amberwick collects all hazardous wastes. Annual wet weather sampling is done at catch basins per the Industrial Stormwater Permit.
14. Tenant has separate Storm Water Pollution Prevention Plan, Spill Prevention, Control, and Countermeasure Plan, and Facility Response Plan but is covered under the Authority's coverage for the IGP.
15. Quarterly scrubbing is scheduled to remove oil & grease stains within lanes at the remote fueling station.
16. Other providers include Integrated Corrosion Engineering 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. Construction on 3 new additional tanks, each 1 mil is set to tentatively begin March 2020.

Significant Materials/Activities Potentially Exposed to Storm Water

<u>Potential Pollutant Sources</u>	<u>Potential Pollutants</u>
Cargo handling	Adhesives
Drainage system maintenance	Anti Freeze
Equipment storage	Battery Acid
Fire fighting equipment testing	Brake Fluid
Fluid leaks	Cleaning Solutions
Fuel spills,Fuel transfer	Coolant
Fuel storage	Fire Fighting Foam
Material loading/unloading	Food Waste
Outdoor waste storage	Fuel
Pesticide usage	Fuel (Gas)
Tank fuel transfer	Fuel (Jet)
Trash collection	Fuel (Sump)
Vehicle parking	Hydraulic Fluids
Water/Fuel mixture within berm	Lubricants
	Oil & Grease
	Purple K
	Recyclables
	Trash

Best Management Practices Applicable to Facility

<u>Activities</u>	<u>BMPs</u>
Non-Storm Water Management	SC01 - 1, 2, 3, 4, 7
Outdoor Equipment Ops Maintenance Areas	SC02A - 1, 2
Aircraft, Ground Vehicle & Equipment Maintenance	SC02B - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Aircraft, Ground Vehicle & Equipment Fueling	SC03 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
Aircraft, Ground Vehicle & Equipment Cleaning	SC04 - 1, 2, 3, 5, 6
Outdoor Loading/Unloading of Materials	SC06 - 1, 2, 3, 4, 6, 7
Outdoor Material Storage	SC07 - 1, 2, 3, 6, 7, 8, 9, 10, 11, 12
Waste Handling & Disposal	SC08 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14
Building & Ground Maintenance	SC09 - 3, 8
Employee Training	SC10 - 1, 2, 3, 4
Outdoor Wash down/Sweeping	SC12 - 2, 3, 5, 10, 11
Fire Fighting Foam Discharge	SC13 - 1, 2, 3, 4, 5
Parking Lots	SC16 - 1, 2, 6, 11, 12
Drainage System Maintenance	SC17 - 1, 2, 3, 4, 5, 6, 7
Housekeeping	SC18 - 1, 2, 3, 4, 5, 6, 7, 8, 9
Safer/Alternative Products	SC19 - 1, 2
Spill Prevention, Control & Clean Up	SR01 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Structural Treatment Control BMPs	TC01 - 1, 2, 3, 4

* Appendix B provides descriptions for each BMP category.



LEGEND

Operating Area(s) SDIA Boundary



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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SAN DIEGO INTERNATIONAL AIRPORT

**Menzies Fuel Farm
Operating Areas**

FIGURE

E-27