



## Signature Flight Support (SIC 4581)

*Sublessees: General Dynamics and West Star Aviation*

Signature Flight Support is a large fixed-base operation (FBO) providing general aviation services at Dallas Love Field. The FBO can be divided into three major leasehold areas:

1. North Parcel: this area consists of four hangars, which are subleased to Gulfstream, West Star Aviation.
2. North Base: includes hangars for aircraft storage and maintenance, the FBO operations building, and a fuel farm. The fuel farm consists of four 48,000-gallon underground storage tanks (UST) for Jet A, three 20,000-gal USTs, (holding Jet A, diesel and gasoline), and one 1,000-gal UST for sump fuel. A fuel truck staging area is also located in this area.
3. South Base: this facility includes hangars for aircraft storage and maintenance, the FBO terminal building, and a fuel farm. The fuel farm contains six 20,000-gal Jet A USTs, two 10,000-gal AvGas USTs, and one 10,000-gal gasoline UST. A fuel truck staging area is located here as well.

A Red Jacket monitoring system checks all USTs for leaks monthly. In addition, a Liberty System shut-off device is installed at both fuel farms, and each farm has a 3,000-gal clarifier in case of major spills. The FBO operates 18-20 fuel trucks for delivery of Jet A, AvGas and gasoline fuels. Spill response kits are located on each fuel truck and spill response carts are stationed in strategic locations throughout the leasehold.

The drains in Hangar 4 are connected to an oil/water separator before discharging into the sanitary sewer system. The other hangar drains filter through sand traps and then flow into the sanitary sewer. Each hangar has a waste oil containment area where waste is stored, covered and in secondary containment, pending removal by an approved contractor.

Signature also provides de-icing services for aircraft. A 6,000-gal double-walled aboveground storage tank (AST) holds Type I propylene glycol for this purpose. Anti-icing fluid, Type IV propylene glycol, is stored in plastic totes (250-gallon capacity). Most de-icing/anti-icing activity is conducted near the DalFort location and well away from storm drains. Residual fluid is collected with a vacuum for proper disposal.

| <b>Chemical Inventory</b> |                              |                     |
|---------------------------|------------------------------|---------------------|
| <i>Item</i>               | <i>Quantity/Where stored</i> | <i>Comments</i>     |
| Absorbent                 | 2 drums/inside hangar        |                     |
| Antifreeze                | 2 drums/inside hangar        |                     |
| Prist fuel additive       | 2 drums/at fuel farm         |                     |
| Isopropyl alcohol         | 30 gallons/inside hangar     |                     |
| ZEP detergent             | 4 drums/inside hangar        |                     |
| Lubricants                | 4 drums/inside hangar        |                     |
| Skydrol                   | 4 drums/inside hangar        |                     |
| Propylene Glycol          | 6000-gal AST                 |                     |
| Propylene Glycol          | 250-gal plastic tote         |                     |
| Jet A fuel                | USTs                         | See narrative above |
| AvGas                     | USTs                         | See narrative above |
| Gasoline                  | USTs                         | See narrative above |



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
Texas Pollutant Discharge Elimination System  
Storm Water Multi-Sector General Permit

The Notice of Intent (NOI) for the facility listed below was received on April 2, 2008. The intent to discharge storm water associated with industrial activity under the terms and conditions imposed by the Texas Pollutant Discharge Elimination System (TPDES) storm water multi-sector general permit TXR050000 is acknowledged. Your facility's TPDES multi-sector storm water general permit number is:

**TXR05X419**  
Coverage Effective: March 24, 2008

TCEQ's storm water multi-sector general permit requires certain storm water pollution prevention and control measures, possible monitoring and reporting, and periodic inspections. Among the conditions and requirements of this permit, you must have prepared and implemented a storm water pollution prevention plan (SWP3) that is tailored to your industrial site. As a facility authorized to discharge under the storm water multi-sector general permit, all terms and conditions must be complied with to maintain coverage and avoid possible penalties.

Project/Site Information:  
RN103017067  
SIGNATURE FLIGHT SUPPORT  
8001 LEMMON AVE  
DALLAS, TX 75209-2613  
DALLAS COUNTY

OPERATOR:  
CN600264790  
SIGNATURE FLIGHT SUPPORT CORPORATION  
8001 LEMMON AVE  
DALLAS, TX 75209-2613

This permit expires on August 14, 2011, unless otherwise amended. If you have any questions related to processing you may contact the Storm Water Processing Center by email at [SWPERMIT@tceq.state.tx.us](mailto:SWPERMIT@tceq.state.tx.us) or by telephone at (512) 239-3700. For technical issues, you may contact the storm water technical staff by email at [swgp@tceq.state.tx.us](mailto:swgp@tceq.state.tx.us) or by telephone at (512) 239-4671. Also, you may obtain information on the storm water web site at [http://www5.tceq.state.tx.us/wq\\_dpa/](http://www5.tceq.state.tx.us/wq_dpa/). A copy of this document should be kept with your SWP3.

A handwritten signature in black ink, appearing to read "Mark Wiley".

FOR THE COMMISSION

Issued Date: 6/27/2008



# Hazardous Metals Monitoring Waiver for Storm Water Discharges Associated with Industrial Activity Under the TPDES Multi-Sector General Permit (TXR050000)

Complete this form for the outfalls listed in the facility's storm water pollution prevention plan (SWPPP). Use additional forms as needed. Keep this form on site with the SWPPP and make sure that it is readily available to TCEQ investigators on request.

TPDES Permit Number: TXR05|X4|19|

| Outfall<br>(as listed in the SWPPP) | These metals are excluded from monitoring if checked: |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|-------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|                                     | As  | Ba                                  | Cd                                  | Cr                                  | Cu                                  | Pb                                  | Mn                                  | Hg                                  | Ni                                  | Se                                  | Ag                                  | Zn                                  |
| SWML 24                             | <input checked="" type="checkbox"/>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| SWML 22                             | <input checked="" type="checkbox"/>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|                                     |   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|                                     |   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|                                     |   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|                                     |   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|                                     |   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|                                     |   |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |

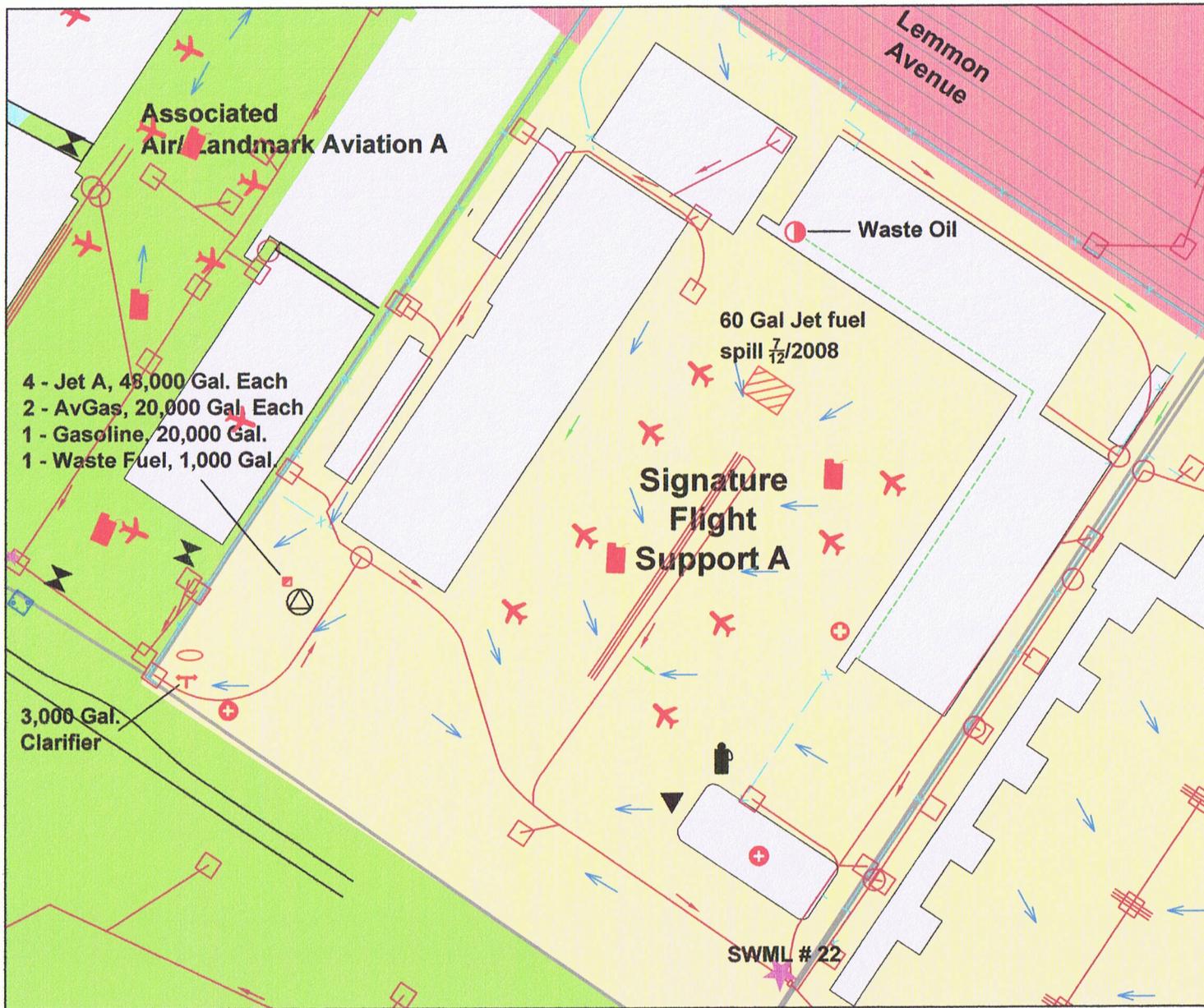
**Key to metals:** As = arsenic; Ba = barium; Cd = cadmium; Cr = chromium; Cu = copper; Pb = lead; Mn = manganese; Hg = mercury; Ni = nickel; Se = selenium; Ag = silver; Zn = zinc

I certify under penalty of law that the hazardous metals checked in the above table meet at least one of the three criteria found in Part III.D.1.(e) (i-iii) for the discharge location/respective outfall that is authorized by the TPDES Multi-Sector General Permit:

- That the regulated facility does not use a raw material, produce an intermediate product, or produce a final product that contains one of these hazardous metals.
- That any raw materials, intermediate products, or final products which contain a hazardous metal are never exposed to storm water or runoff.
- That a sample of the discharge from the facility has been analyzed for one or more of the listed hazardous metals, and the results indicate that the metal(s) is/are not present in detectable levels. Test methods utilized are sensitive enough to detect the following parameters at the minimum analytical level (MAL) as specified in Part III.D.1.(e)(iii) of the TPDES Multi-Sector General Permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

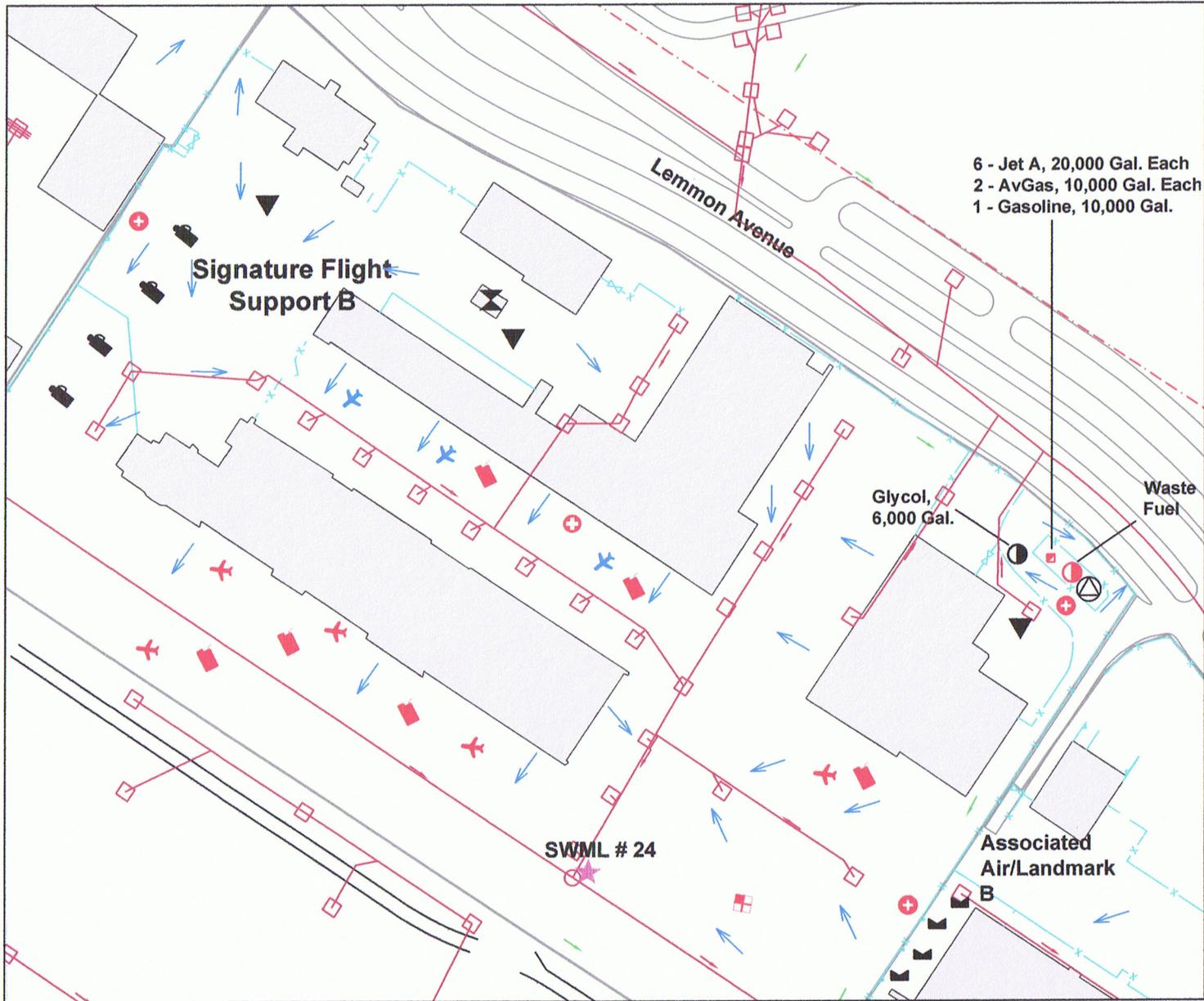
Operator/Representative Name (printed or typed): CLIFTON MUNROE  
 Signature: *Clifton Munroe* Date (mm/dd/yy): 2/26/09



**Legend**

- Drainage Basin A
- Drainage Basin D
- Drainage Basin P
- Drainage Basin R
- Buildings
- Airport Property Line
- Roads
- Storm Sewer System
- Storm Sewer Inlet
- Storm Sewer Manhole
- Sanitary Sewer System
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- Sheet Flow
- Fence
- Leasehold Area
- ⊙ Ground Vehicle Fueling/Dispensing
- Dumpster
- Aircraft Fuel Truck Parking
- Scrap Materials/Waste Area
- Underground Storage Tank (UST)
- Spill Response Equipment
- Waste Treatment
- Spill Areas
- Aircraft Fueling
- Floor Trench Drain Connected to Sanitary Sewer
- ✈ Aircraft Parking
- ★ Storm Water Monitoring Location
- ▲ Vehicle Parking





6 - Jet A, 20,000 Gal. Each  
 2 - AvGas, 10,000 Gal. Each  
 1 - Gasoline, 10,000 Gal.

**Legend**

- Buildings
- Airport Property Line
- Roads
- Storm Sewer System
- Storm Sewer Inlet
- Storm Sewer Manhole
- Sanitary Sewer System
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- Sheet Flow
- Fence
- Leasehold Area
- Parking
- Spill Response Equipment
- Equipment Storage
- Scrap Materials/Waste Area
- Underground Storage Tank (UST)
- Aboveground Storage Tank (AST)
- Ground Vehicle Fueling/Dispensing
- Spill Areas
- Deicing Area
- Aircraft Parking
- Aircraft Maintenance
- Aircraft Fueling
- Fuel Truck Parking
- Storm Water Monitoring Location

Map Not to Scale

Note: Located in Drainage Basin R