

## SOURCE CONTROL BMPs

### SC11

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## LAVATORY SERVICE OPERATIONS

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### DESCRIPTION:

Eliminate discharges to the storm drain system associated with ground servicing of aircraft lavatory facilities. The sanitary sewage and associated rinse waters produced during the servicing of aircraft lavatory facilities must be discharged to, under appropriate permitting, a wastewater treatment facility. Trucks or trailers equipped with bulk storage tanks are typically used to service lavatory facilities. Non-stormwater discharges and residuals associated with servicing these facilities can be classified as follows:

- \* Discharges and residuals associated with diluting and mixing the surfactants and disinfectants used for servicing lavatory facilities.
- \* Discharges and residuals associated with transferring materials from the aircraft.
- \* Discharges and residuals associated with transporting and disposing materials to the sanitary sewer system.

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### TARGETED ACTIVITIES:

Aircraft Lavatory Service

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### APPROACH:

The following management practices for aircraft lavatory service operations may be used to eliminate non-storm water discharges and reduce pollutants entering the stormwater collection system.

- \* Use only surfactants and disinfectants approved for discharge to the sanitary sewer system. Do not discharge or rinse other unapproved chemicals or materials into the triturator facility.
- \* Carefully handle chemicals and chemical concentrates. Immediately collect dry chemicals or absorb liquid chemicals for proper disposal. Do not hose down spills unless the discharge enters the sanitary sewer system through a permitted connection (triturator facility).
- \* Do not discharge lavatory waste to sanitary sewer connections other than triturator facilities. Other industrial-type connections may be equipped with bypass gates which, if improperly maintained or defective, may discharge to the stormwater collection system.
- \* If possible, perform surfactant/disinfectant mixing and transfers in the triturator area or under cover. This will allow the rinsing or minor spills and splashes to enter the sanitary sewer system.
- \* Utilize buckets or pans to capture drippage from aircraft lavatory access fittings. Immediately dump the drippage into the bulk storage tank on the service cart or truck.
- \* Drain the aircraft connecting hose as thoroughly as possible into the storage tank after servicing an aircraft. Properly secure all hoses, valves and equipment when transporting waste to eliminate leakage and spills.
- \* Perform regular inspections of the hose and fittings used for transferring lavatory waste. Keep the equipment in good working order. Replace worn equipment before leaks develop.
- \* Practice good housekeeping techniques at the triturator facility. Immediately clean spills of wastes and chemicals.

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### REQUIREMENTS

Costs associated with the elimination of discharges resulting from aircraft lavatory servicing are generally low. Most management practices are based on careful material handling, good housekeeping, and awareness of maintenance requirements.

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### LIMITATIONS:

- \* Facilities may have a limited number of permitted sanitary sewer access points.
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