

AIRPORT GENERAL SEWAGE SPILL CLEANUP PROCEDURES

FACT
SHEET



The sanitary sewage and associated rinse waters produced during the servicing of aircraft lavatory facilities must be discharged to designated DOTA triturator facilities. However, if a sewage spill occurs during the servicing of an aircraft or transport of sewage, then these general cleanup procedures should be followed.

All tenants and applicable personnel are responsible for proper disposal of waste associated with ground servicing of aircraft lavatory facilities. Additionally, they are responsible for training their employees on reporting and cleanup procedures of sewage spills.

This fact sheet covers general sewage spill cleanup procedures for any person(s) that encounter and cleanup these types of spills. *This document can be used for cleanup of spills within the triturator area; however, clay absorbent materials cannot be used within the triturator as it will cause mechanical issues.



PURPOSE



- To establish proper cleanup procedures and safety measures to be followed during sewage spill and remediation efforts.
- To protect employees and the environment from effects associated with sewage spills.
- Prevent or reduce discharge of pollutants to stormwater in areas where lavatory service operations are conducted.
- Provide employees with appropriate training with regards to proper operations, stormwater pollution prevention, BMPs, and spill response.
- Comply with environmental requirements, such as the Clean Water Act, NPDES Permit, and Hawaii Administrative Rules (HAR) 11-54, 55, and 62.

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B M P S

Lavatory Trucks/Operators:

- Properly secure all hoses, valves, and equipment when transporting waste to eliminate leakage and spills.
- Equip all lavatory service vehicles with appropriate spill response material and PPE.
- Immediately clean all spills.
- Regularly inspect lavatory service vehicles and equipment to ensure effective operation.
- Do not park or store lavatory service vehicles or equipment near storm drain inlets.
- Train all applicable personnel to report line blockages and lavatory spills/leaks.
- Train all applicable personnel on how to cleanup lavatory truck spills.



General:

- Report all sewage spills. See applicable *Spill Reporting Fact Sheet* for your airport for reporting requirement on the webpage at <http://hidot.hawaii.gov/airports/doing-business/engineering/environmental/>
- *See QR Code to the right for *Spill Reporting Form* or via webpage at <https://hidot.hawaii.gov/airports/doing-business/engineering/environmental/spill-reporting-form/>
- Wear proper PPE when cleaning up sewage spills.
- Properly double bag and dispose of used absorbent materials and solids immediately after spill is cleaned.



WARNING SIGNS



Sewage pollution is recognizable based on its distinct odor, black staining inside the drainage pipe, and visible evidence of sanitary waste, such as toilet paper and gray water. Spills associated with this operation can occur during:

- Diluting and mixing of surfactants and disinfectants.
- Transferring materials from the aircraft.
- Transporting of materials.

*See the applicable *Triturator Operations Fact Sheet* for operations/spills that occur at the tritulators.

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

As appropriate, use the following equipment when cleaning sewage spills:

- Waterproof gloves
- Face shield or goggles if there is a risk of splashing
- Impervious coveralls/clothing if there is a risk of splashing



SPILL RESPONSE EQUIPMENT/MATERIALS

Spill kits are required on all lavatory vehicles. Spill kits should contain, at a minimum:

- Broom and dustpan or flat shovel
- Trash bags
- Absorbent pads
- Kitty litter/Clay granules
- Pine oil or disinfectant detergent

Other items that might be helpful:

- Tongs
- Bucket
- Wet/Dry Vacuum



Note: Kitty litter/clay granules and bleach are strictly prohibited for clean-up in areas where these substances might enter the triturator, as they will damage the mechanical components.



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SPILL RESPONSE PROCEDURES

1. If possible, prevent spill from entering storm drain.
2. Promptly clean the spill using absorbent pads or clay absorbent.
DO NOT USE KITTY LITTER OR CLAY ABSORBENTS TO CLEAN SPILLS WITHIN OR DIRECTLY ADJACENT TO THE TRITURATOR UNLESS THE ABSORBENT MATERIAL CAN BE PREVENTED FROM ENTERING THE TRITURATOR. CLAY MATERIALS WILL DAMAGE THE TRITURATOR.
3. Sweep up solids (absorbent material, toilet paper, etc.) and double bag and dispose into the trash dumpster at your facility.
4. Disinfect the area appropriately with environmentally approved product and place warning signs if necessary.
 - a) Ensure that you are following the manufacturer instructions and dilution requirements for all cleaning/disinfectant products used and that all liquids are absorbed to prevent impacting stormwater.
 - b) Have SDS for product used.
 - c) Close the area to prevent spread of material.
5. Make the necessary spill notifications.



SPILL REPORTING

- Immediately report all spills, regardless of size to appropriate personnel on the *Spill Reporting Fact Sheet*.
- All spills must also be reported to the **Airport Environmental Section** by **completing the *Spill Reporting Form*** either by scanning the QR code to the right or via the webpage link below:



<https://hidot.hawaii.gov/airports/doing-business/engineering/environmental/spill-reporting-form/>

- For spills that enter the storm drainage system, immediately call:
 - **National Response Center: (800) 424-8802**
 - **DOH Clean Water Branch: (808) 586-4309**
- Provide a follow-up report to the CWB within 30 days.
- For sewage spills greater than 1,000 gallons, immediately call:
DOH Wastewater Branch: (808) 586-4294
 - Work with AIR-EE on WWB requirements such as: press release, disinfection of receiving water, posting warning signs, and monitoring of bacteria.

