

## SOURCE CONTROL BMPs

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## ELIMINATION OF NON-STORMWATER DISCHARGES TO STORM DRAINS

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### DESCRIPTION:

Eliminate non-stormwater discharges to the stormwater collection system. Non-stormwater discharges can be classified as follows: 1) Activity-based (subtle), and 2) Overt (hard pipe connection). Activity-based non-stormwater discharges may include wash water and spillage. Overt non-stormwater discharges may include process wastewater, treated cooling water, and sanitary wastewater.

Discharges exempt from regulation at this time include flows resulting from activities such as: air conditioning condensate drainage, landscape irrigation runoff, uncontaminated foundation drainage, and uncontaminated fire suppression flows.

### TARGETED ACTIVITIES:

Aircraft Washing, Aircraft Lavatory Service, Vehicle-Washing, Equipment Cleaning/Degreasing, Apron Washdown, Building and Groups Maintenance.

### APPROACH FOR ACTIVITY-BASED (SUBTLE) DISCHARGES:

The following techniques will be used to identify activity-based non-stormwater discharges to the stormwater collection system:

- \* Perform activity inspections to identify non-stormwater discharges.
- \* Perform visual inspections of discharge points to the storm drain system - observe uncharacteristic volumes, colors, turbidity, odors, floatables, and foaming characteristics of any flow.

### APPROACH FOR OVERT (HARD PIPE) DISCHARGES:

The following techniques may be used to identify overt non-stormwater discharges to the stormwater collection system:

- \* Visual inspection - inspect each discharge point during dry weather.
- \* Piping schematic review - review as-built drawings of facilities to determine if there are any illicit connections to the storm drain system and inspect the path of floor drains in older buildings.
- \* Smoke test - smoke test wastewater and stormwater facilities to determine the presence of illicit connections.
- \* Dye test - release dye into the process wastewater effluent and examine stormwater discharge points for discoloration (the presence of an illicit connection).

### REQUIREMENTS:

Costs associated with the elimination of non-stormwater discharges can be high.

### LIMITATIONS:

- \* Storm drain documentation for many facilities is not up-to-date.
  - \* Activity-based (subtle) non-stormwater discharges from a particular facility are typically sporadic, transient, and often require frequent inspections to detect.
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