Floatable Materials Monitoring and Collection
City of Pasadena Phase I MS4 Permit
Requirements and Current Activities

Rick Masters, CPESC, CPSWQ, MTA
Senior Environmental Scientist

LJA Engineering, Inc.
3120 Fannin Street
Beaumont, TX 77701
Office: (409) 554-8985
Cell: (409) 893-1493
Fax: (409) 833-0317
Email: rmasters@ljaengineering.com
City of Pasadena, Texas:

- Phase I MS4 Permittee
- Discharges Stormwater To Armand Bayou and the Houston Ship Channel — both waterways end up in Galveston Bay.
B. SWMP Components

The SWMP must contain the following minimum control measures (MCMs) for:

1. MS4 Maintenance Activities:
   a. *Structural Controls:* To the maximum extent practicable (MEP), the permittee shall operate and maintain the MS4, including any storm water structural controls in such a manner as to reduce erosion and the discharge of pollutants.

   b. *Floatables:* The permittee shall implement a program to reduce the discharge of floatables (for example, litter and other human generated solid refuse) into the MS4. This program element must include source controls at a minimum, and structural controls and other appropriate controls where necessary.

   c. *Roadways:* The permittee shall operate and maintain public streets, roads, and highways in a manner that minimizes the discharge of pollutants, including those pollutants related to deicing or sanding activities.
B. Floatables Monitoring

The permittee shall maintain two monitoring locations for removal of floatable material in discharges to or from the MS4. Floatable material shall be collected at the frequency necessary for maintenance of the removal devices, but not less than twice per year. The amount of material collected shall be estimated by weight, volume, or by other practical means. Results must be included in the Annual Report required in this permit.
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5.0 Floatables Monitoring
The City maintain 5 dedicated floatables monitoring locations as per the requirements set out in Part IV of the MS4 permit in order to estimate the discharge of floatable materials from the MS4. Floatable Capture Gates are utilized to collect floatables at the monitoring locations. The floatable monitoring locations are cleaned at least 2 times per year and as needed according to the schedule outlined in the MS4 permit.

Measureable Goals:

<table>
<thead>
<tr>
<th>Goal</th>
<th>Status</th>
<th>Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collect floatable materials as required by the permit at 2 monitoring locations 2 times per year.</td>
<td>Goal Met</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Annual Report Data Tracking Metrics:

<table>
<thead>
<tr>
<th>Metric</th>
<th>Report Data</th>
<th>City Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Maintenance Events at Floatable Monitoring Locations</td>
<td>9</td>
<td>Storm Water Team</td>
</tr>
<tr>
<td>Estimated Volume of Floatable Materials Collected</td>
<td>19.5 Cubic Yards</td>
<td>Storm Water Team</td>
</tr>
</tbody>
</table>
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5 Floatable Monitoring Locations
- #1 & #2 Capture Gates at Burke @ Crenshaw
- #3 Stadium
- #4 Preston @ Yellowstone
- #5 Strawberry @ Crenshaw
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The systems...

Gate-or©  Floatable Capture Gates

Built, Designed and Provided by

WaterWay CleanUp Services
Perry Panousis
waterwaycleanup@gmail.com

PH# 832.588.8097
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Got Floatables?

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