Maryland Department of the Environment

12-SW General Permit
for Stormwater Discharges Associated With Industrial Activity (Final Determination)

Overview for the 2014 MD/DC Utilities Association Environmental Conference
What types of utilities are required to obtain permit coverage?

The MD-DC Utilities Association includes representatives from the region’s electric, gas, telecommunications, and sanitary utilities in the region.

Primary Utility Examples:

Steam electric generating plants as covered by Activity Code SE under Sector O.
➢ Certain discharges associated with coal pile runoff may require an individual permit with appropriate ELGs.

Treatment works as covered by Activity Code TW under Sector T.
➢ 1 MGD or greater in design flow.

Transportation Sector or Department of Public Works under Department of Public Works as covered by Activity Code DPW under Sector AD.a or SIC 4212 under Transportation Sector P.
➢ These are generally fleet support activities are covered only if vehicle maintenance is performed which includes: Only those facilities which have vehicle maintenance shops (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or equipment cleaning operations are included for the facilities specified above in this Sector.
**Application Process**

You must submit a Notice of Intent (NOI), updated Stormwater Pollution Prevention Plan (SWPPP) and fee **FOR EACH FACILITY.**

<table>
<thead>
<tr>
<th>Category</th>
<th>NOI, SWPPP &amp; Fee Submission Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Existing Dischargers</strong> – that are <strong>not</strong> subject to Chesapeake Bay Restoration Requirements.</td>
<td>Within 6 months from effective date (<strong>June 30, 2014</strong>). Authorization to discharge under 02-SW continues in the interim.</td>
</tr>
<tr>
<td><strong>Existing Dischargers</strong> – that are subject to Chesapeake Bay Restoration Requirements.</td>
<td>Within 1 year from effective date (<strong>December 31, 2014</strong>). Authorization to discharge under 02-SW continues in the interim.</td>
</tr>
<tr>
<td><strong>Other Dischargers</strong> – in operation, but <strong>not covered under 02SW or other permit.</strong></td>
<td><strong>Immediately</strong>, to minimize the time discharges from the facility will continue to be unauthorized.</td>
</tr>
</tbody>
</table>
If your facility meets ALL of these criteria:

- within the Chesapeake Bay Watershed;
- is 5 acres or greater in size;
- in an urban area as specified “any portion of your facility is located within a Phase I or Phase II municipal separate storm sewer system (MS4) jurisdiction”; and
- is not owned by or leased from an entity that is permitted as an MS4.

THEN you must provide:

- the total impervious surface area (square feet),
- the untreated impervious surface area (in square feet) and
- the impervious surface area subject to 20% restoration requirement (in acres).
Restoration Options

• Design Manual or Proprietary Practices
  – Examples: Green Roof or Cisterns

• Accounting Guidance Practices
  – Examples: Street Sweeping or replacing pavement with green space.

• Equivalent control measures
  – Achieve reduction of 5.4 lbs total nitrogen (TN) per year is equivalent to restoration of one acre of impervious surface area.
  – New controls required for erosion and sediment control or reduced use of fertilizer.
  – New controls to achieve the benchmarks for nitrogen
  – Reducing an existing TN load allocation

• Off-Site
Registration

• You have sent in your Notice of Intent (NOI), Payment and Stormwater Pollution Prevention Plan (SWPPP). What next?

MDE will notify you.

1) To resolve any issues

2) To register your facility under the new permit.
# Search Tool

## Wastewater Permits Interactive Search Portal

Enter or select search values in one or more text box or dropdown search fields below. Please note: Wild card characters are not supported in your search values but partial values are.

- Facility Name:  
- Address:  
- City: baltimore
- Zip Code:  
- State Num.: sw
- NPDES Numbers:  
- County: No Filter
- Watershed: No Filter
- Type: No Filter
- Status: No Filter

Click here for field information (PDF)

<table>
<thead>
<tr>
<th>Facility Name</th>
<th>Address</th>
<th>City</th>
<th>Zip Code</th>
<th>County</th>
<th>State Num.</th>
<th>NPDES Num.</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>4600 East Fayette St, LLC</td>
<td>4600 E Fayette St</td>
<td>Baltimore</td>
<td>21224</td>
<td>2015</td>
<td>026W1987</td>
<td>MDR001987</td>
<td>History</td>
</tr>
<tr>
<td>A &amp; A Marble Crafters, Inc.</td>
<td>409 S Spring St</td>
<td>Baltimore</td>
<td>21231</td>
<td>2015</td>
<td>025W1592</td>
<td>MDR001592</td>
<td>History</td>
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<tr>
<td>A &amp; X Steel and Aluminum Co.</td>
<td>2825 Annapolis Rd</td>
<td>Baltimore</td>
<td>21230</td>
<td>2015</td>
<td>025W2411</td>
<td>MH0002411</td>
<td>History</td>
</tr>
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<td>A &amp; X Steel and Aluminum Co.</td>
<td>2825 Annapolis Rd</td>
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<td>21230</td>
<td>2015</td>
<td>125W2411</td>
<td>MDR002411</td>
<td>Active</td>
</tr>
<tr>
<td>A. S. Torns, Inc.</td>
<td>2400 Sisson St</td>
<td>Baltimore</td>
<td>21211</td>
<td>2015</td>
<td>025W1647</td>
<td>MDR001647</td>
<td>History</td>
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<tr>
<td>A22 Environmental Group, LLC</td>
<td>321 S Haven St</td>
<td>Baltimore</td>
<td>21224</td>
<td>2015</td>
<td>125W2428</td>
<td>MDR002428</td>
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<tr>
<td>All Supplies &amp; Parts, Inc. - Asap Compressors</td>
<td>1411 Bush St</td>
<td>Baltimore</td>
<td>21230</td>
<td>2015</td>
<td>025W1138</td>
<td>MDR001138</td>
<td>History</td>
</tr>
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<td>All Supplies &amp; Parts, Inc. - Asap Compressors</td>
<td>1411 Bush St</td>
<td>Baltimore</td>
<td>21230</td>
<td>2015</td>
<td>125W1138</td>
<td>MDR001138</td>
<td>Active</td>
</tr>
<tr>
<td>American Limeaus, Inc.</td>
<td>4401 E Fairmount Ave</td>
<td>Baltimore</td>
<td>21224</td>
<td>2015</td>
<td>025W1658</td>
<td>MDR001658</td>
<td>Active</td>
</tr>
</tbody>
</table>
Registered…now what?

Binder at your facility with:

• Registration letter (you need to send to MS4)
• Copy of Permit
• SWPPP (updated)
• Quarterly Visual Inspections
• Training Records
• Benchmark Monitoring
• Comprehensive Annual Inspection
• Maintenance Records (Oil Water Separator or other device)
• Corrective Action Records
Visual Monitoring

Quarterly Samples:

1. No lab required.
2. Form part of permit.
3. Important to keep records.
Benchmarks Selected

1. Agricultural Chemicals
2. Industrial Inorganic Chemicals
3. Soaps, Detergents, Cosmetics and Perfumes
4. Landfills and Land Application Sites
5. Automobile Salvage Yards
7. Grain Mill Products
8. Fats and Oils Products
9. Fabricated Metal Products

Table 5 - Sector M Benchmarks (Automobile Salvage Yards)

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>Benchmark</th>
<th>Units</th>
<th>Frequency</th>
<th>Sample Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Suspended Solids (TSS)</td>
<td>100</td>
<td>mg/L</td>
<td>1/quarter</td>
<td>Grab</td>
</tr>
<tr>
<td>Total Aluminum</td>
<td>0.75</td>
<td>mg/L</td>
<td>1/quarter</td>
<td>Grab</td>
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<tr>
<td>Total Iron</td>
<td>1.0</td>
<td>mg/L</td>
<td>1/quarter</td>
<td>Grab</td>
</tr>
<tr>
<td>Total Lead¹</td>
<td>0.082</td>
<td>mg/L</td>
<td>1/quarter</td>
<td>Grab</td>
</tr>
</tbody>
</table>

¹ The benchmark values of some metals are dependent on water hardness. For these parameters, you must determine the hardness of the receiving water per Appendix C.

AFTER 4 QUARTERS, IF YOU HAVE MET BENCHMARKS CONTACT COMPLIANCE TO DISCONTINUE
Comprehensive Site Compliance Evaluation **once a year, to be kept onsite with SWPPP.**

- Industrial materials, residue or trash
- Leaks or spills within the past three years;
- Offsite tracking where vehicles enter or exit the site;
- Tracking or blowing of raw, final, or waste materials from areas of no exposure to exposed areas;
- Evidence of pollutants entering the drainage or pollutants discharging to surface waters at facility outfalls;
- The condition of and around any outfall, including flow dissipation measures to prevent scouring;
- Training performed, inspections completed, maintenance performed, quarterly visual examinations, and effective operation of BMPs and
- Visual and analytical monitoring results from the past year.

**EPA Provides a Template that may be used, which is on our website.**
Corrective Actions

When something is wrong, you must address it and document what you did.

- Within **24 hours** of discovery of any condition listed, you must document discovery.
- Within **14 days** of discovery of any condition listed, you must document your corrective action.
- Any **modifications** to your control measures must be made before the next storm event if possible, or as soon as practicable following that storm event.
- In the event that a deficiency **cannot be addressed fully within 30 days**, you must **call the Department Compliance program** and make the Department aware of the situation.
When to Notify MDE

1. Corrective Actions

2. Monitoring Reports for Benchmarks (DMRs)

3. Restoration update at end of year 4 for all registrations beginning with 12-SR

4. Illicit discharges.
Inspector shows up…

• Be prepared to present your SWPPP.
• Review your records with inspector.
• Staff may randomly be asked questions.
• Provide access to all stormwater controls.
• Explain any problems and what you have done to address them.
Compliance Problems

1) No SWPPP Developed
   – Since 12-SW requires SWPPP upfront, this should be less of an issue going forward.
   – Common in change of ownership situations.
2) Control Measures described in SWPPP are not used.
   – Street Sweeping is listed in SWPPP, but not used.
   – Site map not up-to-date.
   – Outfalls missing from site map.
   – Sump no longer used.
Compliance Problems

3) No SWPPP on-site.
   – Some corporations prefer on-line. Make sure you have easy access.
Compliance Problems

4) SWPPP not signed.
Compliance Problems

5) Stormwater pollution prevention team not up-to-date.
6) On-site staff not familiar with SWPPP.
Compliance Problems

7) Improper collection of visual assessment samples.
   – Representative sample is important.
We provide EPA’s Guidance Document for monitoring and sampling.
Compliance Problems

8) Uncovered dumpster or leaking storage.
   – Placement of dumpsters next to stormdrain.
   – Unlabeled containers.
9) Poor employee/contract staff training.

   – Practices not being used evident by observing housekeeping (oil stains on pavement).
Compliance Problems

10) Inspection or monitoring records are not kept with SWPPP.
11) Unauthorized discharges:
   – Vehicle washing.
   – Internal floor drains.
12) Poor maintenance:
   – Poor maintenance of controls (filter fabric torn).
   – Overgrown drainage areas.
   – Stormdrains filled with sediment.
Questions?

Maryland Department of the Environment

Water Management Administration
Industrial and General Permits Division

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