



**General Permit for the Discharge of Stormwater Associated with
Industrial Activity, effective 10/1/2011
Stormwater Monitoring Report Form
Sector A –Asphalt Plants**

Facility Information

| | |
|---|--------------------|
| Permittee Name: _____ | Site Name: _____ |
| Mailing Address: _____ | |
| Contact Person: _____ | Title: _____ |
| Business Phone: _____ ext.: _____ | Email: _____ |
| Site Address: _____ | |
| Receiving Water (name/basin): _____ | |
| Permit #: GSI _____ | Primary SIC: _____ |
| Discharges into an Impaired Waterbody: Yes <input type="checkbox"/> No <input type="checkbox"/> (If yes, complete the table on page 3 of this form) | |

Sample Information

| | |
|--|-------------------------------------|
| Sample Location: _____ | Person Collecting Sample: _____ |
| Date/Time Collected: _____ | Date of Previous Storm Event: _____ |
| This report is for samples required: Semi-annually <input type="checkbox"/> Annually <input type="checkbox"/> Other <input type="checkbox"/> | |
| Check here if the sample contains snow or ice melt : <input type="checkbox"/> | |
| Check here if a benchmark exceedance is solely due to background or off site sources <input type="checkbox"/> see note below | |

Monitoring Results

| *Parameter | Required Frequency | Results (units) | Benchmark | Effluent Limit | Benchmark Exceedance (see pg 4) | Test Method | Laboratory Name |
|-------------------------|--------------------|-----------------|------------|----------------|---------------------------------|-------------|-----------------|
| Oil & Grease | Semi-annual | | 5.0 mg/L | * | <input type="checkbox"/> | | |
| Rainfall pH | Semi-annual | | n/a | n/a | | | |
| Sample pH | Semi-annual | | 5-9 SU | * | <input type="checkbox"/> | | |
| COD | Semi-annual | | 75 mg/L | n/a | <input type="checkbox"/> | | |
| TSS | Semi-annual | | 90 mg/L | * | <input type="checkbox"/> | | |
| TP | Semi-annual | | 0.40 mg/L | n/a | <input type="checkbox"/> | | |
| TKN | Semi-annual | | 2.30 mg/L | n/a | <input type="checkbox"/> | | |
| NO ₃ -N | Semi-annual | | 1.10 mg/L | n/a | <input type="checkbox"/> | | |
| Total Copper | Semi-annual | | 0.059 mg/L | n/a | <input type="checkbox"/> | | |
| Total Zinc | Semi-annual | | 0.160 mg/L | n/a | <input type="checkbox"/> | | |
| Total Lead | Semi-annual | | 0.076 mg/L | n/a | <input type="checkbox"/> | | |
| 24 Hr. LC ₅₀ | Annual-Year 1&2 | | n/a | n/a | | | |
| 48 Hr. LC ₅₀ | Annual-Year 1&2 | | n/a | n/a | | | |

* See Additional Sector A Monitoring Section on page 3 of this form.

Exemptions

| |
|---|
| List here any parameter(s) that will not be sampled for the remainder of the permit term: <small>see note below</small> |
| _____ |

NOTE: Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

STORMWATER ACUTE TOXICITY TEST DATA SHEET
 (required annually only during Year 1 and Year 2 of the permit)

| | |
|---|--------------------------|
| Site Name: | |
| Date/Time Begin: | Date/Time End: |
| Sample Hardness: | Sample Conductivity: |
| Test Species: <i>Daphnia pulex</i> < 24 hrs old | Dilution Water Hardness: |

| Effluent Dilution | Number of Organisms Surviving | | | Dissolved Oxygen (mg/L) | | | Temperature (°C) | | | pH (su) | | | |
|-------------------|-------------------------------|----|----|-------------------------|----|----|------------------|----|----|---------|----|----|----|
| | Hour | 00 | 24 | 48 | 00 | 24 | 48 | 00 | 24 | 48 | 00 | 24 | 48 |
| CONTROL 1 | | | | | | | | | | | | | |
| CONTROL 2 | | | | | | | | | | | | | |
| CONTROL 3 | | | | | | | | | | | | | |
| CONTROL 4 | | | | | | | | | | | | | |
| 6.25% A | | | | | | | | | | | | | |
| 6.25% B | | | | | | | | | | | | | |
| 6.25% C | | | | | | | | | | | | | |
| 6.25% D | | | | | | | | | | | | | |
| 12.5% A | | | | | | | | | | | | | |
| 12.5% B | | | | | | | | | | | | | |
| 12.5% C | | | | | | | | | | | | | |
| 12.5% D | | | | | | | | | | | | | |
| 25% A | | | | | | | | | | | | | |
| 25% B | | | | | | | | | | | | | |
| 25% C | | | | | | | | | | | | | |
| 25% D | | | | | | | | | | | | | |
| 50% A | | | | | | | | | | | | | |
| 50% B | | | | | | | | | | | | | |
| 50% C | | | | | | | | | | | | | |
| 50% D | | | | | | | | | | | | | |
| 100% A | | | | | | | | | | | | | |
| 100% B | | | | | | | | | | | | | |
| 100% C | | | | | | | | | | | | | |
| 100% D | | | | | | | | | | | | | |

REFERENCE TOXICANT RESULTS

| Test Species | Date | Reference Toxicant | Source | LC ₅₀ |
|----------------------|------|--------------------|--------|------------------|
| <i>Daphnia pulex</i> | | | | |

Additional Monitoring: Sector A

| Parameter | Required Frequency | Results (units) | Benchmark | Effluent Limit | Check if effluent limit exceeded | Test Method | Laboratory Name |
|---------------------------------------|---------------------------------|-----------------|-----------|----------------|----------------------------------|-------------|-----------------|
| Semi-volatile Hydrocarbons | Semi-annual for the permit term | | n/a | n/a | | | |
| For Asphalt Emulsion Facilities Only* | | | | | | | |
| Oil & Grease | Annual for the permit term | | n/a | 15 mg/L | <input type="checkbox"/> | | |
| Sample pH | Annual for the permit term | | n/a | 6-9 SU | <input type="checkbox"/> | | |
| TSS | Annual for the permit term | | n/a | 23 mg/L | <input type="checkbox"/> | | |

*Annual samples may be taken at the same time as one of the semi-annual samples for the general sampling parameters. An effluent limit applies to any single sample (not average of 4).

Additional Monitoring for Discharges to Impaired Waters (if applicable):

| Parameter | Frequency | Results (units) | Test Method | Laboratory Name |
|-----------|-----------|-----------------|-------------|-----------------|
| | | | | |
| | | | | |
| | | | | |

Statement of Certification

| | |
|---|-----------------------|
| <p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."</p> | |
| Signature of Permittee | Date |
| Name of Permittee (print or type) | Title (if applicable) |
| Signature of Preparer (if different than above) | Date |
| Name of Preparer (print or type) | Title (if applicable) |

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR
 BUREAU OF WATER PROTECTION AND LAND REUSE
 CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

**General Permit for the Discharge of Stormwater Associated with
Industrial Activity, effective 10/1/2011**

Data Tracking Sheet

Sector A - Asphalt Plants

| | |
|------------------------|---------------------|
| Permittee Name: _____ | Permit #: GSI _____ |
| Site Name: _____ | |
| Site Address: _____ | |
| Sample Location: _____ | |

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4. **Only monitoring collected under the current permit (effective 10/1/11,) can be used to earn the monitoring exemption.**

$$\text{Average} = \frac{(\text{Sample 1} + \text{Sample 2} + \text{Sample 3} + \text{Sample 4})}{4}$$

| Parameter | Sample Result | | | | Average | Benchmark** | Qualify for exemption? |
|--------------------|---------------|---|---|---|---------|-------------|------------------------|
| | 1 | 2 | 3 | 4 | | | |
| Sample Date | | | | | | | |
| O&G* | | | | | | 5.0 mg/L | |
| Sample pH* | | | | | | 5-9 S.U. | |
| COD | | | | | | 75 mg/L | |
| TSS* | | | | | | 90 mg/L | |
| TP | | | | | | 0.40 mg/L | |
| TKN | | | | | | 2.30 mg/L | |
| NO ₃ -N | | | | | | 1.10 mg/L | |
| Total Copper | | | | | | 0.059 mg/L | |
| Total Zinc | | | | | | 0.160 mg/L | |
| Total Lead | | | | | | 0.076 mg/L | |

**If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016).

If the average of the four (4) most recent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) for a more detail explanation.

* Due to the presence of effluent limits, asphalt emulsion facilities within Sector A are required to monitor annually for Oil & Grease, sample pH, and TSS for the entire term of the permit. The pH of uncontaminated rainfall is also recommended to provide background information.