

## CONSTRUCTION STORMWATER GENERAL PERMIT DISCHARGE MONITORING REPORT (DMR)

**PROJECT INFORMATION**

Site Name:  
Disturbed Acreage:  
Location:  
County:

Owner Name:  
Permittee/Operator:  
Mailing Address:

**MONITORING DOCUMENTATION**

Unique Discharge/Monitoring Point: \_\_\_\_\_ Monitoring Period: \_\_\_\_\_  
(Use same description each month, use one DMR for each monitoring point) (Month/Year)

Please send your Discharge Monitoring Report (DMR) to Ecology every month, **even if there is no discharge**. Also, read the attached instructions before completing the DMR. If a section does not apply, please annotate "N/A", leaving no blanks.

Weekly Monitoring	Sampling Date (Month/Day/Year)	Turbidity (NTU's- Nephelometric Turbidity Units)	Transparency (Centimeters)	pH (If applicable)	Treatment BMPs Used Prior to Discharge from Site (List <u>all</u> that apply) P = Sediment Pond/Trap/Tank/Vault C = Chemical Treatment/Sand Filter S = Silt Fence W = Straw Wattles/Coir Wattles D = Check Dam/Triangular Silt Dike O = Other	No Discharge This Week  (Check if applicable)
Example	10/06/06	32	N/A	N/A	P, S, W	
Week 1						
Week 2						
Week 3						
Week 4						
Week 5						

- No soil disturbing construction activities have taken place on the site yet. Construction is expected to begin on \_\_\_\_\_
- There was no discharge during normal working hours this month (provide comments or explanation below)

COMMENTS / EXPLANATIONS

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY JUDGEMENT OR MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION; I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND/ OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

NAME/TITLE OF PERSON WITH SIGNATORY AUTHORITY (SEE REVERSE)	DATE: MONTH DAY YEAR

SIGNATURE OF PERSON WITH SIGNATORY AUTHORITY

TELEPHONE NUMBER OF PERSON WITH SIGNATORY AUTHORITY

PERMIT NUMBER WAR-\_\_\_\_\_

## DAILY TURBIDITY/TRANSPARENCY SAMPLING LOG

Note: Daily sampling is triggered by turbidity sampling results over 250 NTU's, or transparency results less than 6 cm.

<b>S</b>		<b>M</b>		<b>T</b>		<b>W</b>		<b>T</b>		<b>F</b>		<b>S</b>	

## INSTRUCTIONS AND FREQUENTLY ASKED QUESTIONS FOR COMPLETING THE DMR FORM

### PROJECT INFORMATION

1. How can I update contact information and/or mailing addresses? You can update any project information by submitting a Notice of Intent (NOI) Application Form and checking the box in the upper right hand corner next to “Change/Update Permit Information”. Complete only the boxes that are being updated and submit the signed form to the same address as the DMR.

### MONITORING DOCUMENTATION

1. How often do I sample? Once initial soil-disturbing activity occurs, sampling must be conducted at least once every calendar week when there is a discharge of stormwater (or authorized non-stormwater) from the site.
2. Where do I sample? Sampling is required at all discharge points where stormwater (or authorized non-stormwater such as de-watering water) is discharged off-site.
3. When stormwater leaves my site from more than one location, what do I need to do?
  - a. Use a separate DMR sheet for each location where stormwater is discharged from the site.
  - b. Enter a unique name or description of the monitoring location (for example: Pond 1; or West Ditch). Use the same monitoring location name each month.
  - c. All sampling point(s) must be identified on the Storm Water Pollution Prevention Plan (SWPPP) site map and be clearly marked in the field with a flag, tape, stake or other visible marker.
4. What if I don't have a discharge off site for an entire week? If there was no discharge during a **calendar week**, sampling is not required; mark an X in the “No Discharge” column for that week. If there was no discharge **during a calendar month**, mark the “No Discharge” box at the bottom of the table.
5. If it rains at 3 AM on my site do I have to get up and sample at that hour? Sampling is not required outside of normal working hours or during unsafe conditions. If you are unable to sample during a monitoring period, you must include a brief explanation in the “Comment/Explanation” box of the DMR.
6. What kind of stormwater turbidity/transparency sampling do I have to do? If construction activity disturbs 5 acres or more, the permit requires you to conduct turbidity sampling, using a turbidity meter. If construction activity disturbs greater than or equal to 1 acre, but less than 5 acres, you may conduct either transparency sampling (with a transparency tube) **or** turbidity sampling (with a turbidity meter). Enter turbidity or transparency values collected each week on the DMR.
7. What if my turbidity result is greater than 250 NTU or less than 6 centimeters (cm) transparency? If any discharge is greater than 250 NTU or less than 6 centimeters (cm) transparency, daily sampling must be conducted, and recorded in the attached sampling log (on page 2). Write the date, sampling data (number), and unit (NTU or cm). Continue to sample daily until:
  - a. Turbidity is 25 NTU (or lower); or
  - b. Transparency is 31 cm (or greater); or
  - c. The CESCL has determined compliance with the water quality standard for turbidity:
    1. No more than 5 NTU over background turbidity, if background is less than 50 NTU, or
    2. No more than 10% over background turbidity, if background is 50 NTU or greater; or
  - d. The discharge stops or is eliminated.
8. When do I have to sample for pH? If construction activity will result in the disturbance of 1 acre or more, **and** involves *significant concrete work* or the use of *engineered soils*, **and** stormwater from the affected area drains to surface waters of the state or to a storm sewer system that drains to surface waters, the Permittee shall conduct *pH* monitoring:
  - a. Definitions:
    - o *Significant Concrete Work* means greater than 1000 cubic yards poured or recycled concrete.
      - o For poured concrete, the 1000 cubic yard threshold is met if a single or multiple concrete pours on the site results in greater than 1000 cubic yards of concrete curing at the same time. Typical curing time is less than 30 days. If individual concrete pours smaller than 1000 cubic yards occur more than 30 days apart, pH sampling is not required unless required by Ecology order.
      - o For recycled concrete, the 1000 cubic yard threshold is met if greater than 1000 cubic yards of concrete is recycled or crushed on-site.
    - o *Engineered Soils* means the use of soil amendments including, but not limited to, Portland cement treated base (CTB), cement kiln dust (CKD), or fly ash to achieve certain desirable soil characteristics.

- b. For *significant concrete work*, pH monitoring begins when the concrete is first exposed to precipitation and continues weekly until stormwater pH is 8.5 or less.
- c. For sites with engineered soils, the pH monitoring period shall commence when the soil amendments are first exposed to precipitation and shall continue until the area of engineered soils is fully stabilized.
- d. During the pH monitoring period, the Permittee shall obtain a representative sample of stormwater and conduct pH analysis at least once per week.
- e. The Permittee shall monitor pH in the sediment trap/pond(s) or other locations that receive stormwater runoff from the area of significant concrete work or engineered soils prior to discharge to surface waters.
- f. The benchmark value for pH is 8.5 standard units. Any time sampling indicates that pH is 8.5 or greater, the Permittee shall:
  - 1. Prevent the high pH water (8.5 or above) from entering the storm sewer systems or surface waters; and
  - 2. If necessary, adjust or neutralize the high pH water using an appropriate treatment BMP such as carbon dioxide (CO<sub>2</sub>) sparging or dry ice. The permittee shall obtain written approval from Ecology prior to using any form of chemical treatment other than CO<sub>2</sub> sparging or dry ice. Information on CO<sub>2</sub> sparging / dry ice BMP is can be found on Ecology's web site at: [www.ecy.wa.gov/programs/wq/stormwater](http://www.ecy.wa.gov/programs/wq/stormwater).
- g. The Permittee shall perform pH analysis on-site with a calibrated pH meter, pH test kit, or wide range pH indicator paper. The Permittee shall record pH monitoring results in the site log book.

9. What do the treatment BMP letter codes on the form mean? For any discharge, report the type of treatment Best Management Practice(s) (BMPs) applied to the stormwater (or non-stormwater) prior to discharge from the site. Use the letter code (e.g., P for Pond) which corresponds which each type of BMP listed. If multiple treatment BMPs are used, list the letter code for each type of BMP.

9. What if I haven't started clearing or grading my site? If initial soil disturbing activity has not occurred yet, mark an X in the applicable box, indicate estimated construction start up date and submit the DMR each month.

10. Who should sign the report?

A. This report shall be signed as follows:

- 1. Corporations, by a responsible corporate officer of at least the level of vice president of a corporation or a duly authorized representative;
- 2. Partnerships, by a general partner of a partnership or a duly authorized representative;
- 3. Sole proprietorships, by the proprietor or a duly authorized representative; or
- 4. Municipal, state, or other public facility, by either a principal executive officer, ranking elected official or a duly authorized representative.

B. A person is a duly authorized representative only if:

- 1. The authorization is made in writing by a person described above and submitted to the Ecology.
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or having overall responsibility for environmental matters.

C. Changes to authorization:

If an authorization is no longer accurate, submit a new authorization to Ecology prior to (or together with) any reports, information, or applications to be signed by an authorized representative.

### **ADDITIONAL SAMPLING**

1. What if I take additional samples or have more information to submit than will fit on the provided forms? You can submit any additional information on separate sheets of paper. You may also attach lab sheets, if you use a lab for analysis. Please sign, date and document the site information on those sheets so that they can be included in your file.

### **ADDITIONAL INFORMATION**

1. Mail the DMR to: **Department of Ecology, Water Quality Program- Construction Stormwater, P.O. Box 47696, Olympia, WA 98504-7696**

2. Who can I call for assistance? If you have questions or concerns, please contact Ecology's Water Quality Reception Desk at (360) 407-6600. Please have your site name, location, and permit number available when calling.

For more information, additional forms and/or additional copies of the permit; please visit our web site:

<http://www.ecy.wa.gov/programs/wq/stormwater/construction>.