



Oh no, where has the summer gone? How can it be that we are already in September? Which means only one thing to us storm water geeks ... the storm water season is about to begin! **October 1** is the date that the storm water community in California considers as the official start of the rainy season. But, will you be ready before that first storm rolls in from the Pacific? There is much to do to prepare it; such as dusting off those sample kits, printing out new observation forms, cleaning out drain inlets, reviewing storm water handling procedures, and giving the facility a good cleaning. We have dedicated this edition of **The Rain Events** for helping your facility prepare for the storm season. Use the checklists in this newsletter as a handy reminder of what needs to be done before the first rain of the year.

### Definition of a Qualifying Rain Event:

*“Any event that occurs during normal daylight business hours, which is preceded by at least 3 days of dry weather, and has enough precipitation to cause runoff.”*

The SWPPP should define “normal daylight business hours” for your facility. If you have industrial activities occurring on the weekend, then Saturday and Sunday would also be qualifying. The definition for “dry weather” is currently being debated at the State Water Board for the new permit. However, a working definition of “dry weather” would be that there was not enough rain to cause runoff.

### Rules of Engagement for Sampling:

We have found the following rules of engagement helpful in knowing when and where to sample.

- 1. No discharge, no sample.**  
*Only sample discharges of storm water.*
- 2. Collect the first qualifying event after October 1 and then the next event after that.**  
*The permit requires the first event. Common sense says to get the next event.*
- 3. Collect the sample within the first hour of discharge.**  
*Remember, discharge may start well after the time the rain began.*

### Sample Kit Checklist:



Here is a handy checklist to make sure you have your sampling equipment and supplies ready for action. Take a moment to check the condition of your kit.

- Request a State-certified laboratory to supply you with sample containers for testing specific conductance, oil & grease, total suspended solids, plus any constituents on Table D of the permit that apply to your SIC code, as well as any pollutants associated with your facility's industrial activities.
- A dedicated ice chest for the samples
- A source of ice (preferably water ice)
- Zip-type bags for the sample bottles and the ice
- pH field meter with calibration standards (make sure standards are not expired, check battery, test meter for proper operation, and include clean sample cups)
- A supply of clean collection equipment as appropriate to your site including buckets, telescoping sample booms, dust pans, pitchers, and rope
- A fresh supply of nitrile gloves
- Field note pad, grease pens, markers, pens / pencils
- Weather station / rain gauge
- Rain gear and mud boots
- Tools for opening manholes and drain grates



## We Have an August Contest Winner!

**Rita Koehnen** submitted the winning answer!

The question was ...

According to the proposed draft permit, which of the following non-storm water discharges are allowed?

- a. Fire hydrant and fire system flushing
- b. Testing of potable water systems
- c. Air compressor condensate
- d. Landscape irrigation water
- e. Groundwater
- f. ~~Single pass heat exchanger water~~
- g. ~~Boiler blowdown~~

All but f. and g. are allowable or authorized non-storm water discharges. Rita wins \$25 to treat herself and her storm water samplers to ice cream on a hot September day at  .

---

## You Still Have Time to Comment on the Proposed Permit!

The State Water Board has **extended** the deadline for written comments on the 2012 Draft IGP an additional 30 days. Thus, comments on the 2012 Draft NPDES Industrial General Permit may be submitted on or before 12:00 p.m. (Noon) on **October 22, 2012**.

The State Water Board still plans to conduct a public hearing to accept oral comments on **October 17, 2012**. A quorum of State Water Board members may be present at the public hearing; however, no board action will be taken. The time and location of the public hearing is:

**Wednesday, 9:00 a.m. October 17, 2012**  
**Joe Serna, Jr. Cal/EPA Building**  
**Coastal Hearing Room**  
**1001 I Street, Second Floor**  
**Sacramento, CA 95814**

The 2012 Draft IGP documents and related information can be found here:

[http://www.waterboards.ca.gov/water\\_issues/programs/stormwater/2012npdes\\_genprmt.shtml](http://www.waterboards.ca.gov/water_issues/programs/stormwater/2012npdes_genprmt.shtml)

Commenters are encouraged to submit written comments and any written materials electronically, in pdf text format (if less than 15 megabytes in total size), to the "Clerk to the Board" via e-mail at [commentletters@waterboards.ca.gov](mailto:commentletters@waterboards.ca.gov) . If the file is greater than 15 megabytes in total size, then the comment letter may be submitted by fax at (916) 341-5620. Please indicate the subject line: "Comment Letter – Industrial General Permit".

Written comments and materials may also be mailed or hand delivered. Mailed comments must be addressed to:

Jeanine Townsend, Clerk to the Board  
State Water Resources Control Board  
1001 I Street, 24th Floor  
Sacramento, CA 95814



## Pre-storm Season Maintenance Checklist

To help you prepare your facility for the storm season, we would like to suggest the following checklist of maintenance items. We recommend these items be done by October 1.

### Drainage System:

- Inspect all drain inlets. If there is a drain inlet filter bag or device, remove it and either clean it per manufacturer specifications or, if it is damaged, replace it. Remove all debris from in and around the drain inlet including approximately a 10-foot diameter on the surface around the drain inlet.
- Inspect and service treatment devices such as oil/water separators, vortex separators, and vault filters.
- Inspect storm drain lines. If there appears to be a buildup of solids, hire a Vac-con truck to clean out the line.
- Inspect swales and culverts. Remove accumulated sediment. Stabilized earthen swales with check dams, geotextiles, and/or rip-rap.

### Facility Yard:

- For larger yards, consider hiring a sweeper truck to remove solids from the surface. For tight locations and smaller yards, hand-sweep the surface.
- For yards with significant asphalt deterioration, consider re-surfacing before the rainy season. (Pollutants love to hang out in the cracks during the dry season and are then mobilized by the next significant storm. It is also hard to remove pollutants with sweeping when the asphalt is cracked and pot-holed.)
- Pressure wash or steam clean any significant oil stains or other residues from industrial activities on the yard surface. Capture rinsate with a shop vac and discharge to the sanitary sewer.
- Cover trash bins and scrap metal bins.
- Inspect the yard for any pollutant sources that need to be placed under cover before it rains.
- Stabilize any areas susceptible to erosion with permanent or temporary BMPs (such as crushed rock, landscaping, asphalt / concrete, or erosion control mats). Use sediment control devices such as fiber rolls along the perimeter of erodible areas.

### Material Handling Areas:

- Make sure materials or pollutants that could be mobilized by storm water are prevented from coming into contact with storm water by either placing them inside a building, shelter, or under a tarp. This includes oily equipment, stock piles of raw or intermediate product, wastes, dissolvable substances, and pH altering substances. Look for open bags, bins, drums, and drip pans.
- Clean out accumulated sediment and debris from truck unloading dock areas.
- Make sure loading and unloading areas are covered or within an area that does not drain to the storm water sewer system.
- Clean up any spilled product. Use containment trays and devices to capture spills.

### Maintenance and Fueling Areas:

- Make sure all equipment maintenance activities are done within a covered structure. Inspect the area immediately outside the maintenance shop to make sure significant oil spots have been cleaned up.
- Inspect the fueling area. Clean up any spills or spent absorbent. Provide containment trays/pans for fueling activity. Inspect spill cleanup kits and, if necessary, replenish or replace missing items. Make sure secondary containment valves are in the closed position.
- Make sure containers of new and used oil, coolant, and other chemicals are stored within a contained and covered area.

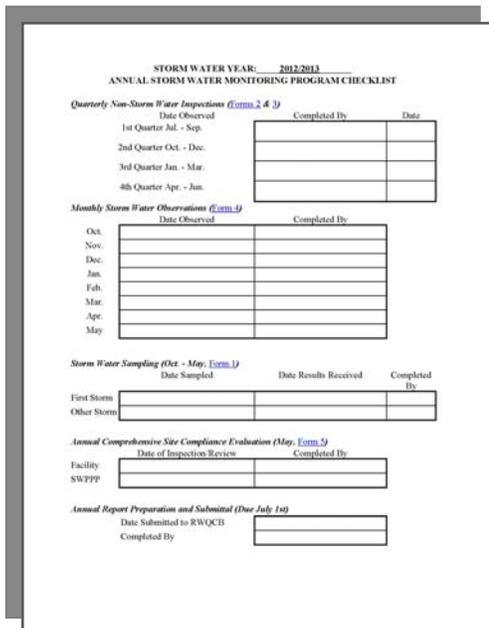
## “To Do List” for September:



- Print out and place new forms in your storm water observation and sampling data book.
- Perform the 1<sup>st</sup> Quarter Non-Storm Water Observation (Forms 2 & 3) by September 30.
- Prepare the sample kit. Calibrate and verify the pH pen is operational and has new batteries.
- Inspect and prepare the facility for rain.
- Train your sample team and facility operators on the storm water program and procedures.

## Storm Water Observation and Sampling Book:

Here is a list of the forms you will need to have on hand for this year. You can download these forms at: [www.wgr-sw.com/SW-newsletters/2012-2013StormWaterForms.doc](http://www.wgr-sw.com/SW-newsletters/2012-2013StormWaterForms.doc)



STORM WATER YEAR: 2012/2013  
ANNUAL STORM WATER MONITORING PROGRAM CHECKLIST

Quarterly Non-Storm Water Inspections (Forms 2 & 3)  
Date Observed \_\_\_\_\_ Completed By \_\_\_\_\_ Date \_\_\_\_\_  
1st Quarter Jul. - Sep. \_\_\_\_\_  
2nd Quarter Oct. - Dec. \_\_\_\_\_  
3rd Quarter Jan. - Mar. \_\_\_\_\_  
4th Quarter Apr. - Jun. \_\_\_\_\_

Monthly Storm Water Observations (Form 4)  
Date Observed \_\_\_\_\_ Completed By \_\_\_\_\_  
Oct. \_\_\_\_\_  
Nov. \_\_\_\_\_  
Dec. \_\_\_\_\_  
Jan. \_\_\_\_\_  
Feb. \_\_\_\_\_  
Mar. \_\_\_\_\_  
Apr. \_\_\_\_\_  
May \_\_\_\_\_

Storm Water Sampling (Oct. - May, Form 5)  
Date Sampled \_\_\_\_\_ Date Results Received \_\_\_\_\_ Completed By \_\_\_\_\_  
First Storm \_\_\_\_\_  
Other Storm \_\_\_\_\_

Annual Comprehensive Site Compliance Evaluation (May, Form 6)  
Date of Inspection Review \_\_\_\_\_ Completed By \_\_\_\_\_  
Facility \_\_\_\_\_  
SWPPP \_\_\_\_\_

Annual Report Preparation and Submittal (Due July 1st)  
Date Submitted to RWQCB \_\_\_\_\_  
Completed By \_\_\_\_\_

- Form 1 is used to summarize and report the analytical laboratory results.
- Form 2 is for the Quarterly Authorized Non-Storm Water Observations.
- Form 3 is for the Quarterly Unauthorized Non-Storm Water Observations.
- Form 4 for the Monthly Storm Water Observations (October – May)
- Form 5 is for the Annual Comprehensive Site Compliance Evaluation.

Plus, we have included an inspection checklist to help you track what has been done and what inspections still need to be completed.

### Do you collect sheet flow samples?

Check out this cool procedural video on how to collect samples from sheet flow. The video was produced by the Minnesota Pollution Control Agency.

[www.youtube.com/watch?v=AmEJUNp44aU](http://www.youtube.com/watch?v=AmEJUNp44aU)





## September Storm Water Contest

**Try it out! You can win!**

**By September 30, 2012, submit a response for the following question by email to [jteravskis@wgr-sw.com](mailto:jteravskis@wgr-sw.com).**

According to the current Industrial General Permit, what does “preventative maintenance” include?

All persons submitting the correct answer will be placed in a drawing. The winner will receive a gift card for \$25 to  for supplies to prepare your home for the storm season.

### Need your crew trained to take storm water samples, measure pH in the field, and do monthly observations?

WGR will come to your site and provide a two-hour training session for **\$375**.

Appointments must be booked with [aortiz@wgr-sw.com](mailto:aortiz@wgr-sw.com) and facilities must be located within 50 miles of our Lodi or Los Alamitos offices. Discount pricing is also available for facilities farther than 50 miles, please contact Aaron Ortiz for more details. Offer does not apply to prepaid compliance programs.

Get the latest sampler fashion!



*Please contact us if you have any questions ...*

**Rain Events Newsletter Editor:**

John Teravskis [jteravskis@wgr-sw.com](mailto:jteravskis@wgr-sw.com)  
(209) 334-5363 ext. 110

**Technical Questions about Storm Water Compliance?**

**Call ...**

Aaron Ortiz, [aortiz@wgr-sw.com](mailto:aortiz@wgr-sw.com), (209) 810-5151  
John Teravskis, [jteravskis@wgr-sw.com](mailto:jteravskis@wgr-sw.com), (209) 649-0877  
John Ripley, [jripley@wgr-sw.com](mailto:jripley@wgr-sw.com), (310) 629-5259

# STORM WATER AWARENESS WEEK 2012

September 24 – 28, 2012

Coming to  
Northern California

Join other storm water professionals for a week of educational workshops, field BMP demonstrations, and learning opportunities scheduled at locations throughout Central and Northern California. Various one-hour workshops will be presented by industry experts and will include topics relevant to construction, municipal, and industrial storm water permittees. Many of the workshops will be in the field where you can “kick the BMPs” and talk to the guys who installed them. Look on our website for workshops happening near your location. Whether you attend all of the workshops or just one, the event is free and open to anyone interested in furthering their knowledge about storm water management and pollution prevention.

Workshops include the following:

- ✓ The BMP Toolbox
- ✓ QSP Refresher Class
- ✓ Field Instrumentation Use and Calibration
- ✓ Annual Industrial General Permit Training
- ✓ Kick-the-Bucket Spill Drill
- ✓ BMP Installation, the Good, the Bad, and the Ugly
- ✓ Drain Inlet Protection Installation and Maintenance
- ✓ Controlling Odors from Sewer System Piping
- ✓ Performing MS4 Construction and Commercial Inspections
- ✓ Using Soil Binders
- ✓ LID Landscaping and Using Native California Grasses
- ✓ Lodi's Storm Drain Detectives Citizen Monitoring Group

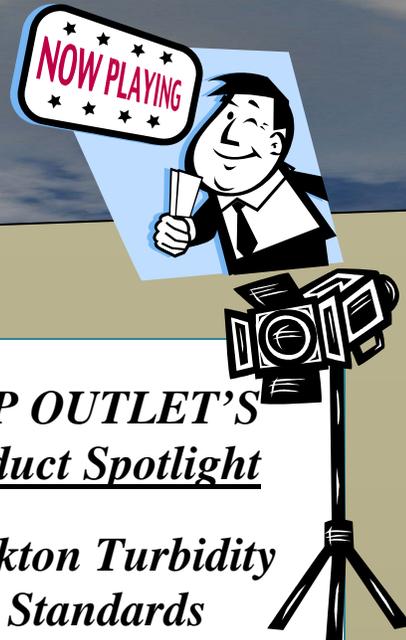
View class options and locations and register for classes at

[www.stormwaterawareness.org](http://www.stormwaterawareness.org)

For questions about the event, send an email to [Info@StormwaterAwareness.org](mailto:Info@StormwaterAwareness.org) or call 209-334-5363, extension 110.



[www.stormwaterawareness.org](http://www.stormwaterawareness.org)



## September Special

pH Solution Packets  
(4.0,7.0,& 10.0 X 5)

**\$28.00**

Single use pH solution packets. This box set includes 5 of each buffers (4.0, 7.0, & 10.0). The set also includes bonus rinse packets.

Model: WD-35653-04



## BMP OUTLET'S Product Spotlight

### *Oakton Turbidity Standards*



Recently Oakton redesigned how it packages and retails its Turbidity replacement standards for the T-100 Turbidity Meter. Previously, the replacement standards were packaged as four 10 ml cuvettes with the shelf life lasting only 4-6 months. The newly packaged replacement standards (pictured above) come in four 60 ml poly containers and have a shelf life of 10 – 12 months. The turbidity standard's price has increased with this change from \$238 to \$289. This may seem like a significant increase, but the standard's shelf life is twice the previous standards shelf life. Plus, the increased 60 ml size allows up to 6 T-100 unit's standards to be replenished. That is less than \$50 per unit.

If you are interested in purchasing a set of these replacement standards, visit us at [www.bmpoutlet.com](http://www.bmpoutlet.com), or email us at [sales@bmpoutlet.com](mailto:sales@bmpoutlet.com). In order to ensure the freshest possible standards from the factory please allow up to 2 weeks for delivery.

#### Product Specifications:

- Includes one each of 60-mL HPDE bottle of four NTU standards: 0.02, 20.0, 100 and 800 NTU.

## NEW PRODUCT...

### *The Sifter® Pipe End Filter*

**\$44.00 each**

Designed for end of pipe filtration. Built for durability, the pipe end filter is encased in a high density polyethylene fabric, secured with 4 thread poly lock stitching and an 85% U.V. rating designed to handle even the most severe of climates. The inner workings consist of tightly rolled Aspen wood excelsior and nonwoven geotextile fabric.



#### Specifications:

- Standard size fits up to 9" diameter pipe.
- Filter is approximately 4' total length.
- Custom sizing is available.
- Part #: SiftPEF

