

Annual Virtual Stormwater Training

Optional Supplemental Worksheet

COMPANY: _____

FACILITY NAME/ADDRESS: _____

NAME/TITLE: _____

REFRESHER TRAINING AVAILABLE: <https://www.mapistry.com/ca-annual-stormwater-training>

Instructions: This optional worksheet is meant to accompany Mapistry's virtual stormwater training session. Feel free to look over the information before the training. However, by the end of the training, we hope you'll be able to answer all the questions. This first page includes some basic refresher information. The following page includes a worksheet with site-specific questions and a checklist that you may use to help familiarize yourself with your stormwater program.

What is stormwater and why do we care about it?

- Stormwater carries pollutants including oil, chemicals, metals, toxins, and others
- Prevent pollutants from getting into our surrounding waterways and environment

How is stormwater different from wastewater?

- Wastewater is **treated** (toilets, showers, truck wash water)
- Stormwater is typically **untreated** - goes directly into the ocean or receiving water

Why should you care about managing your stormwater (at your industrial facility)?

- **Legal requirements** – Industrial General Permit, Municipal (MS4) Permit
- **Protect Brand Reputation** - Don't want to be in the news as a local polluter
- **Financial risks** (Regulatory enforcement, citizen lawsuits) – Millions of \$\$\$ in penalties
- **Protect the environment** – Maintain health of streams, lakes, aquatic life; opportunity for human use (e.g. fishing, swimming)

Key Terms:

- **Best Management Practices (BMPs):** Techniques, measures, or structural controls used to manage the quantity and improve the quality of stormwater runoff, in this case, from an industrial facility.
- **Stormwater Pollution Prevention Plan (SWPPP):** The document that lays out how an industrial facility will meet the permit's requirements and achieve the goal of keeping storm water clean.
- **Qualifying Storm Event (QSE):** A storm event that produces a discharge for at least one drainage area and is preceded by 48 hours with no discharge from any drainage area at the industrial facility. Every year you must sample: 2 QSEs within the first half of each reporting year (July 1 to December 31), and 2 QSEs within the second half of each reporting year (January 1 to June 30).
- **Qualified Industrial Stormwater Practitioner (QISP):** A professional who has completed a State Water Board-approved training course who is required to assist dischargers in Level 1 or Level 2 status or new dischargers that will discharge to a water body with a 303(d) listed impairment with permit compliance.
- **Storm Water Multiple Application And Report Tracking System (SMARTS):** regulatory online platform where dischargers, regulators, and the public can enter, manage, and view stormwater data including permit registration documents, compliance, and monitoring data associated with California's Stormwater General Permits
- **California Industrial General Permit (IGP):** The Industrial General Permit regulates industrial storm water discharges and authorized non-storm water discharges from industrial facilities in California. The Industrial General Permit is called a general permit because many industrial facilities are covered by the same permit, but comply with its requirements at their individual industrial facilities. The State Water Resources Control Board (State Water Board) and Regional Water Quality Control Boards (collectively, the Water Boards) implement and enforce the Industrial General Permit.



Who is the primary stormwater contact at your facility?

What types of industrial activities take place at your facility?

Ex: manufacturing, cleaning, maintenance, recycling, disposal, etc.

What potential pollutants may be associated with those activities?

Ex: fueling activities may have potential to contribute to Oil and Grease (O&G) in stormwater samples

What are some examples of ways you prevent pollution at your facility?

Hint: What are your facility's BMPs? At a minimum, all facilities under the IGP must implement the following minimum BMPs: Good Housekeeping, Preventive Maintenance, Spill and Leak Prevention and Response, Material Handling and Waste Management, Erosion and Sediment Controls, Employee Training Program, and Quality Assurance and Record Keeping

What parameters does your facility sample for?

Hint: All facilities under the IGP sample for Oil and Grease (O&G), pH, and Total Suspended Solids (TSS)

How many sampling locations does your facility have?

Hint: check your SWPPP site map and/or your most recent Annual Report - question

Does your facility have any parameters in Level 1 or Level 2 status? If so, which ones and when are the corresponding ERA Reports due?

Hint: check SMARTS

Is your facility subject to any TMDLs? If so, which ones?

Hint: check SMARTS or your most recent Annual Report or use the [Industrial General Permit Map tool](#) to determine

Review Checklist:

- ☐ Review the SWPPP and Site Map - is everything up to date?
- ☐ Review the most recent Annual Evaluation and Annual Report
- ☐ Review the monthly observations for this period - Have you conducted observations each month to identify the presence of any unauthorized non-storm water discharges, assess the effectiveness of your BMPs, and observe all potential sources of industrial pollutants? Have you documented these observations?
- ☐ For any sampled QSEs, ensure the sampling observation documentation is complete and the results are in SMARTS
- ☐ Review any outstanding tasks in Mapistry - does anything need a follow-up?
- ☐ Confirm you have the necessary sampling bottles/equipment to sample this year
- ☐ Check SMARTS for upcoming required reports (ex: ERA reports, Annual Reports)