

Training

Training for Industrial and Commercial Inspections



RIVERSIDE COUNTY
WATERSHED PROTECTION

Prepared for: All Permittees
Presented By: CASC Engineering and Consulting, Inc.
Spring 2021

Training Goals

Upon completion of this course, students will be able to:

- Understand local and state requirements for industrial and commercial facilities,
- Conduct inspections of industrial and commercial facilities as required by, and in compliance with, the MS4 permit,
- Properly document inspections, and
- Provide enforcement as applicable.

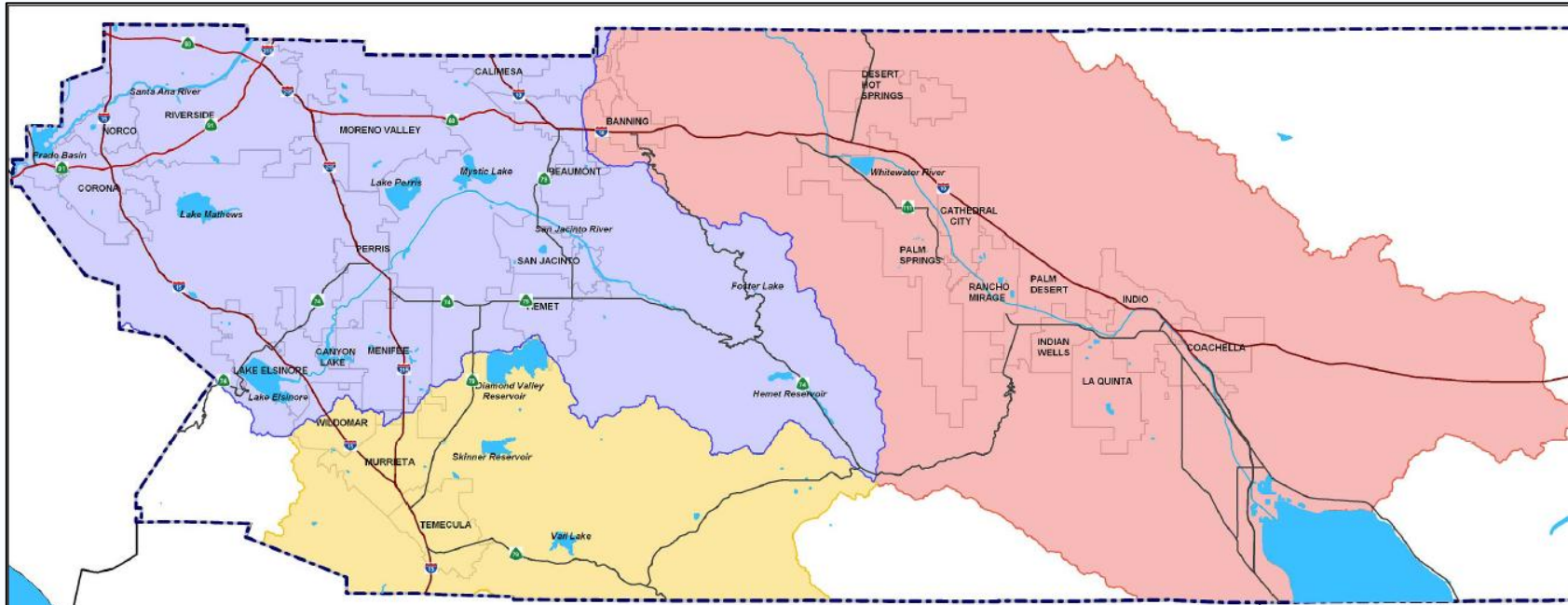
State and Local Requirements

Begins with the MS4 Permit

- The permit regulates the discharge of pollutants from Municipal Separate Storm Sewer Systems (MS4)
- Three different permits:
 - Santa Ana Watershed, Santa Ana Region
 - Santa Margarita Watershed, San Diego Region
 - Whitewater River Watershed, Colorado River Basin Region

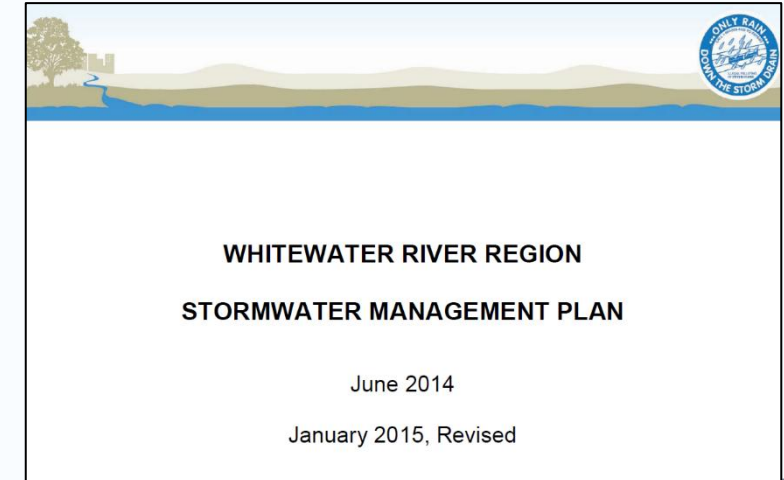
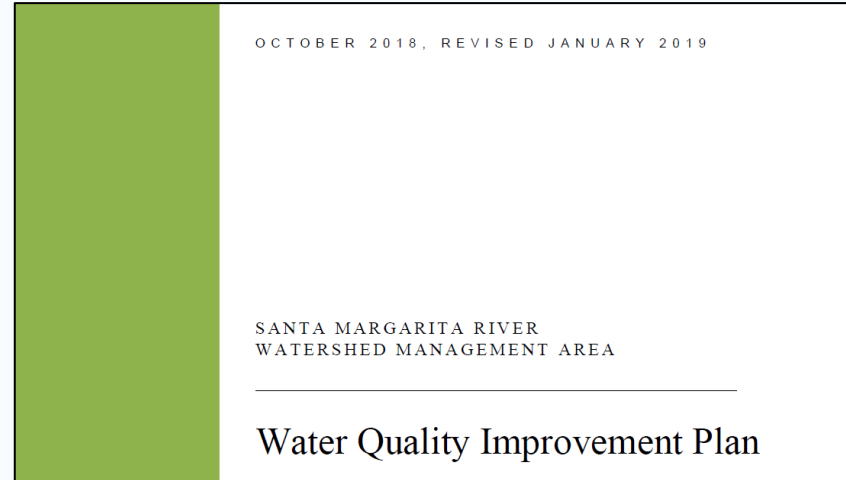
Permittees Covered by the MS4 Permits

- SAR: 16 agencies
 - SMR: 5 agencies
 - WWR: 13 agencies
- Permittees to ***all three***:
 - Riverside County Flood Control and Water Conservation District
 - County of Riverside



Watershed Compliance

- Each watershed has a document that outlines what Permittees need to do to manage urban runoff to comply with the requirements of the MS4 Permit.



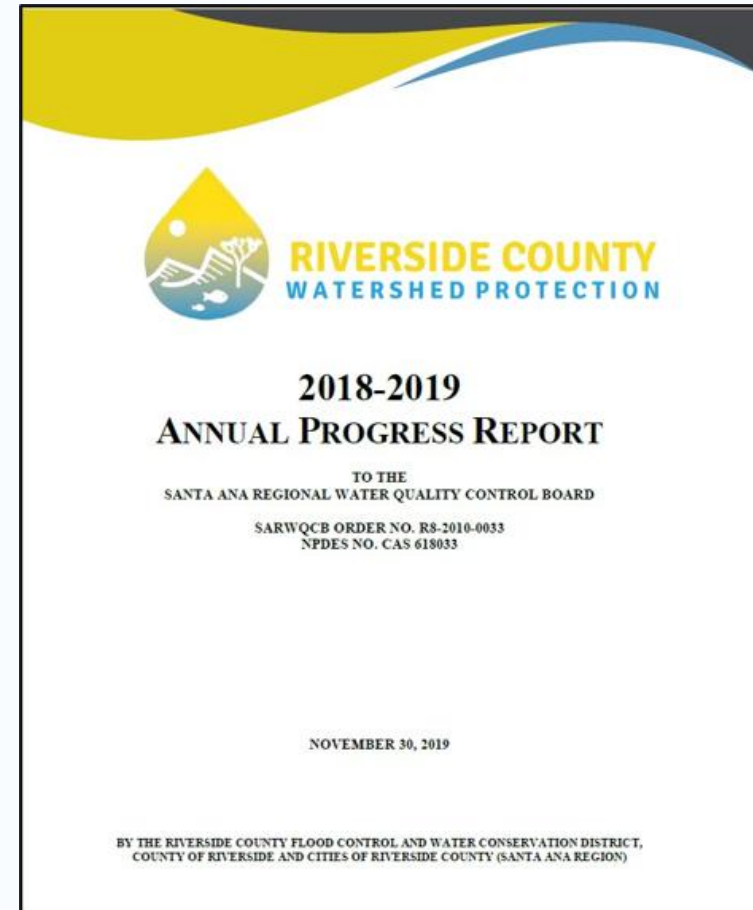
Implementation Plans

- Some watersheds have a document specific to each Permittee that specifies how the local components of the permit program will be implemented within its jurisdictional area.

	<p>JUNE 30, 2020</p> <p>Riverside County Flood Control and Water Conservation District Local Implementation Plan</p> <p>Santa Ana Region</p> <p>ORDER No. R8-2010-0033</p>		<p>COUNTY OF RIVERSIDE</p> <p>JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM</p> <p>SANTA MARGARITA REGION</p> <p>ORDER No. R9-2013-0001, AS AMENDED BY ORDER No. R9-2015-0001 AND ORDER No. R9-2015-0100</p> <p>JANUARY 5, 2018</p>
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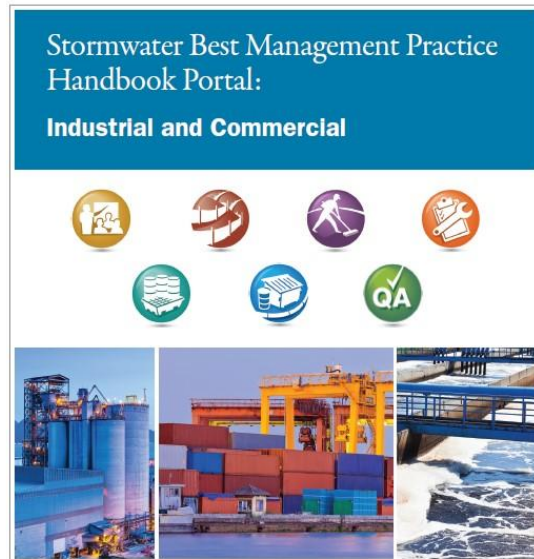
Annual Reporting

- Annual reporting is a key element of MS4 compliance
 - to assess program effectiveness,
 - highlight accomplishments, and
 - changes to be implemented.



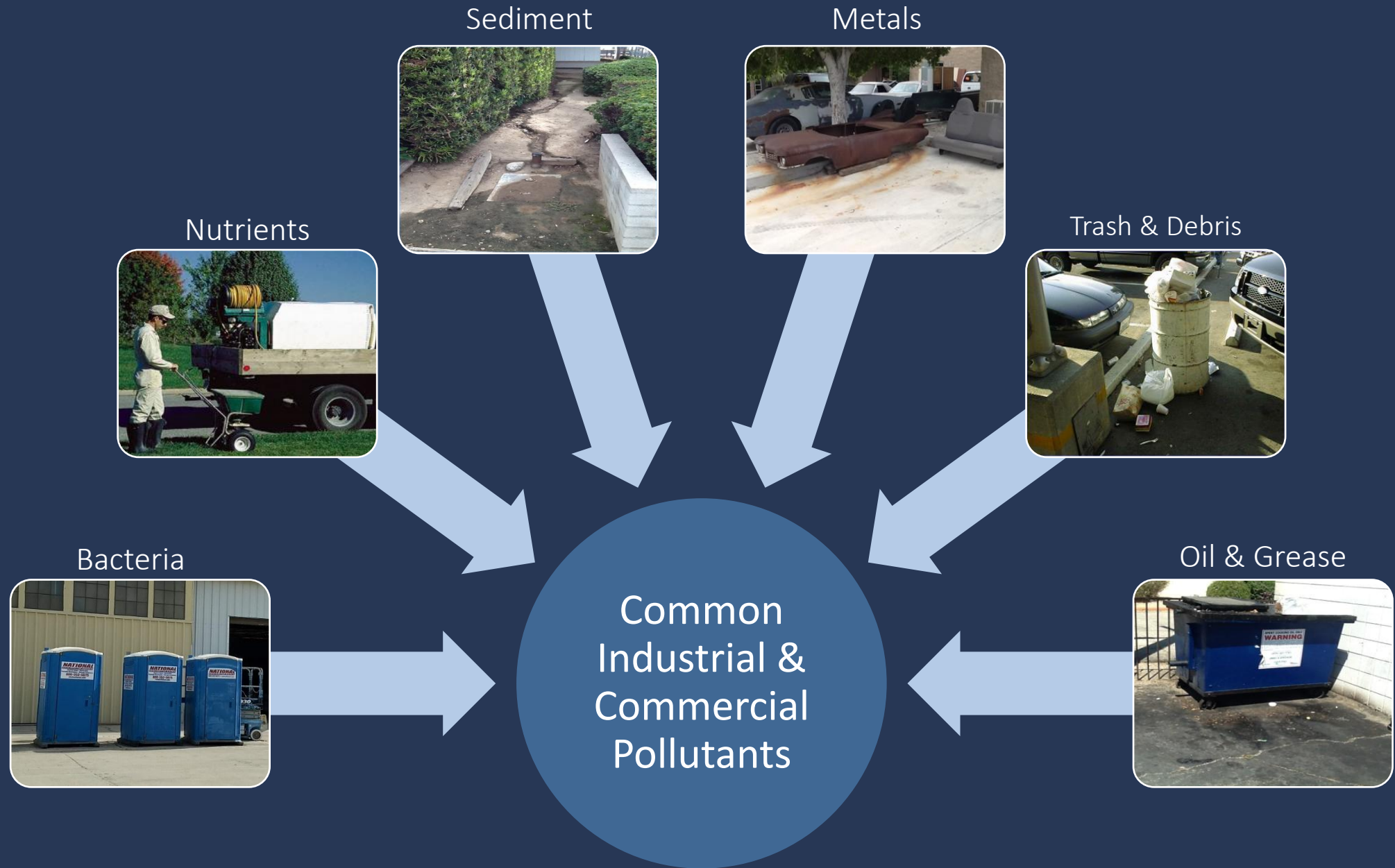
Industrial/Commercial Inspections: Tools

Best Management Practices



- The handbook from California Stormwater Quality Association (CASQA) has fact sheets, forms and guidance to help you implement permit requirements

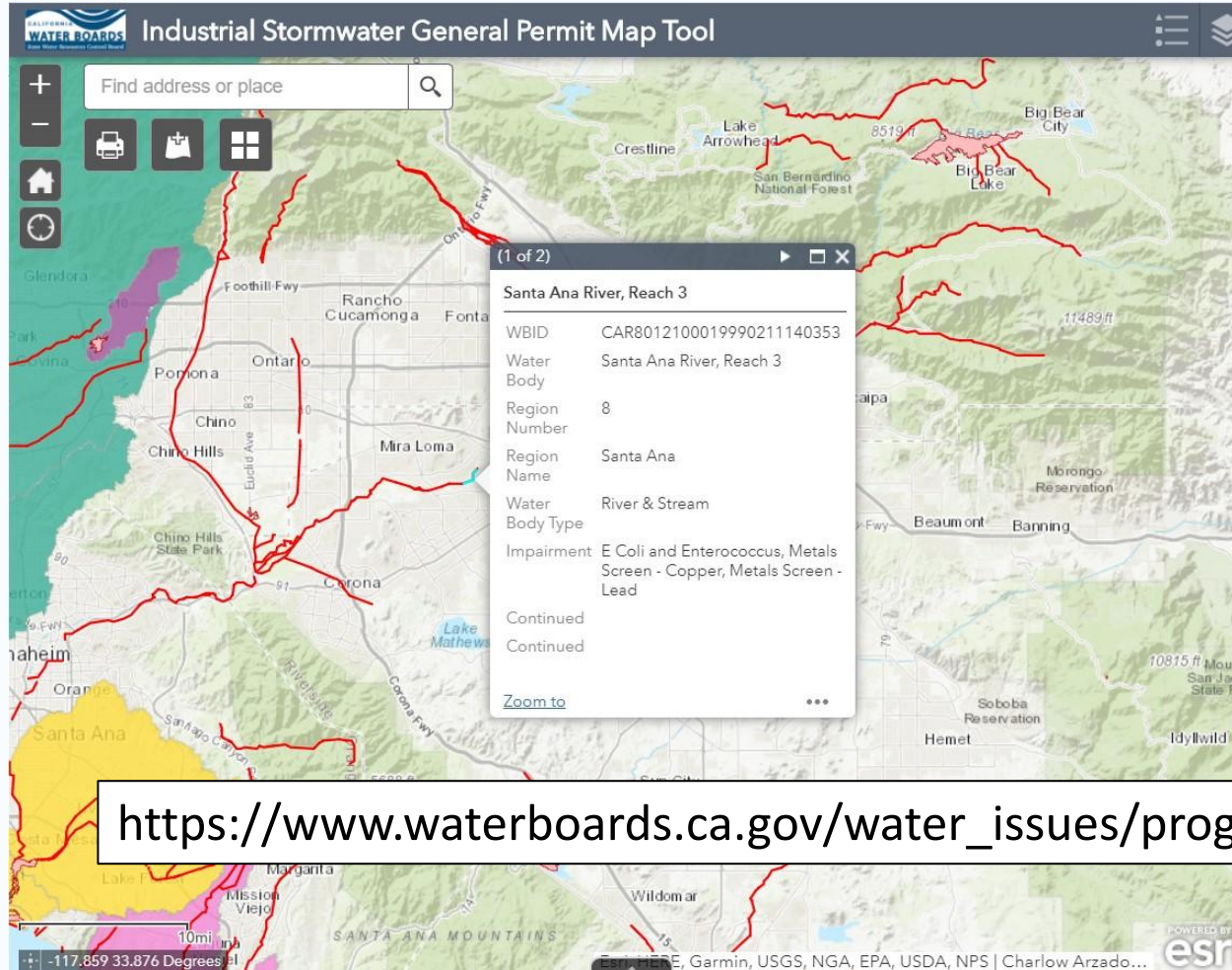
<https://www.casqa.org/resources/bmp-handbooks/industrial-commercial>



Water Quality Impairment

- Inspectors need to know current water quality impairments to prioritize:
 - Inspection frequency
 - Violations
 - Enforcement

Impairment Information Source



- Industrial General Permit Map Tool
 - Watersheds
 - Impaired waterbodies
 - Permitted facilities

https://www.waterboards.ca.gov/water_issues/programs/stormwater/industrial.html

Local Legal Authority

- Understand your local stormwater ordinance(s)

ORDINANCE NO. 754
(AS AMENDED THROUGH 754.2)
AN ORDINANCE OF THE COUNTY OF RIVERSIDE AMENDING ORDINANCE NO. 754
ESTABLISHING STORMWATER/URBAN RUNOFF MANAGEMENT
AND DISCHARGE CONTROLS

The Board of Supervisors of the County of Riverside Ordains as Follows:

ARTICLE I
TITLE, PURPOSE AND GENERAL PROVISIONS

Section 1. Title. This ordinance shall be known as the Riverside County Stormwater/Urban Runoff Management and Discharge Controls Ordinance and may be so cited.

Section 2. Purpose and Intent. The purpose of this ordinance is to ensure the future health, safety, and general welfare of County residents by:

- A.** Reducing pollutants in stormwater discharges to the maximum extent practicable;
 - B.** Regulating illicit connections and discharges to the storm drain system; and
 - C.** Regulating non-stormwater discharges to the storm drain system.
- The intent of this ordinance is to protect and enhance the water quality of County watercourses, water bodies, ground water, and wetlands in a manner pursuant to and consistent with applicable requirements contained in the Federal Clean Water Act (Title 33 U.S.C. §§ 1251 et seq.), Porter-Cologne Water Quality Control Act (California Water Code §§ 13000 et seq.), any applicable state or federal regulations promulgated thereto, and any related administrative orders or permits issued in connection therewith.

Question

- What is a resource you can use to help you understand how to implement Best Management Practices?
 - A. The Industrial General Permit Map Tool
 - B. The Santa Ana Region MS4 Permit
 - C. The CASQA Stormwater BMP Handbook for Industrial/Commercial Activities

Industrial/Commercial Program: Requirements

Requirements

- The three MS4 permits have slightly different requirements, but all generally require the following:
 - Identify and prioritize facilities
 - Facility inspections
 - Enforcement
 - Report non-compliance
 - Maintain a database
 - Training

To view watershed-specific requirements, Click



Identify and Prioritize Facilities

- What needs to be done?
 - Each Permittee must identify industrial and commercial facilities within their jurisdiction
 - Example: compile from existing lists such as business licenses
 - Prioritize facilities depending on their threat to receiving water quality
 - Example: industrial facilities, those that handle hazardous materials or pollutants impairing the receiving water, those with a significant potential to release pre-production plastics or nurdles into the environment
 - Use prioritization to adjust inspection schedule

Facility Inspections

- What needs to be done?
 - Observe for non-storm water discharges, and potential discharge of pollutants and illicit connections,
 - Assess compliance with applicable local ordinances and permits related to storm water,
 - Assess the implementation and effectiveness of appropriate BMPs, and
 - Verify coverage under the Industrial General Permit, as appropriate.

BG-21 Automotive Service Facilities—Maintenance




Photo Credit: Geoff Brosseau

Pollutant Sources

- Changing oil and other fluids
- Cleaning engines and parts
- Flushing radiators
- Washing cars and other vehicles

Relevant Pollutants

- Heavy metals (copper, lead, nickel, and zinc)
- Hydrocarbons (oil and grease, polycyclic aromatic hydrocarbons PAHs)
- Toxic chemicals (solvents, chlorinated compounds, glycols)
- Acids and alkalis

Description


This category includes facilities that conduct general maintenance and repair on vehicles such as:

- General repair shops
- Radiator repair shops
- Car dealerships
- Car washes
- Fleet maintenance operations

Information specific to auto dismantling, body repair, and service stations is provided in other guide sheets.

Approach

Minimize exposure of maintenance areas to rain and runoff by using cover and containment. In and around these areas, use good housekeeping measures to minimize the generation of pollutants. Make stormwater pollution



CASQA
CALIFORNIA STORMWATER
QUALITY ASSOCIATION®

Enforcement

- What needs to be done?
 - Enforce the respective Storm Water Ordinances consistent with the local guidance document and the MS4 Permit
 - Prioritize violations
 - Coordinate compliance/enforcement activities where necessary

- Responses: SAR DAMP

3.4.2.2 Enforcement and Compliance Responses

The enforcement/compliance response should be based on the severity of the violation. The types of enforcement/compliance responses available, in typical order of increasing severity, are:

- ♦ Education and information,
- ♦ Verbal warning,
- ♦ Written warning,
- ♦ Notice of violation or non-compliance,
- ♦ Administrative compliance order,
- ♦ Stop work order or cease and desist order,
- ♦ Civil citation or injunction,
- ♦ Administrative fine, and
- ♦ Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor).

Report Non-compliance

- What needs to be done?
 - Notify the Regional Board about facilities that are potentially subject to the Industrial General Permit (IGP) but are not compliant:
 - They have not filed for coverage
 - They don't have an NOI or SWPPP onsite
 - They are not properly implementing/maintaining BMPs

Maintain Database

- What needs to be done?
 - Each Permittee must maintain a database of industrial and commercial facilities
 - Update based on results of inspections or other means
 - A model format and/or minimum data required, is included in the guidance documents
- Use the information for annual reporting

[illegible]

Inspector Training

- What needs to be done?
 - Staff who conduct inspections attend formal or informal training workshops at least annually
 - Some require training prior to the rainy season

Question

- You are inspecting an industrial facility that does not have IGP coverage. You are required to have the facility file for IGP coverage with the Board.

A. True

B. False

You are required to report their lack of coverage to the Regional Water Quality Control Board. You are required to enforce violations of your storm water ordinance.

Specifics: SAR

Subject	Details
Permittees	Beaumont, Calimesa, Canyon Lake, Corona, Eastvale, Hemet, Jurupa Valley, Lake Elsinore, Menifee, Moreno Valley, Norco, Perris, Riverside, San Jacinto, Riverside County Flood Control and Water Conservation District, County of Riverside
Guidance Documents	Drainage Area Management Plan (DAMP), Local Implementation Plan (LIP)
ID and Prioritize	Prioritize as High, Medium, or Low. See DAMP Section 8.2 for prioritization details. Inspect - High: Once a year, Medium: Once every two years, Low: Once during the permit term.
Inspections	Verify minimum BMPs are being implemented. See details in DAMP Section 8.3.
Mobile Businesses	Notify all mobile businesses based in, or operating in, jurisdiction regarding BMPs.
Enforcement	Conduct enforcement based on the severity of the violation, including a re-inspection frequency adequate to bring the facility into compliance. See DAMP Section 8.5.
Report Non-Compliance	Notify the Regional Board of potential non-compliance with the IGP within 2 working days of discovery.
Maintain Database	Must update at least annually. Industrial facilities must be listed in the database within 15 days from initial discovery. Include standardized spreadsheet in the annual report.
Training	New staff receive informal training within first 6 months. Staff who conduct inspections attend formal refresher training annually prior to the rainy season.

Specifics: SMR

Subject	Details
Permittees	Murrieta, Temecula, Wildomar, Riverside County Flood Control and Water Conservation District, County of Riverside
Guidance Documents	Water Quality Improvement Plan (WQIP), Jurisdictional Runoff Management Program (JRMP)
ID and Prioritize	High threat to water quality: inspect annually. All others: at least once per 5-year period.
Inspections	Verify minimum and enhanced BMPs are being implemented. See JRMP Section 8.2. Annually complete number of inspections equal to 20 percent of total facilities.
Mobile Businesses	Notify all mobile businesses based in, or operating in, jurisdiction regarding BMPs.
Enforcement	Conduct enforcement based on the severity of the violation. See JRMP Section 3.5.
Report Non-Compliance	Notify the Regional Board of potential non-compliance with the IGP within 5 calendar days of discovery.
Maintain Database	Track all inspections and re-inspections and retain records in an electronic database or tabular format, which must be made available to the San Diego Water Board upon request.
Training	Staff who conduct inspections attend training annually.

Specifics: WWR

Subject	Details
Permittees	Banning, Cathedral City, Coachella, Coachella Valley Water District, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, Riverside County Flood Control and Water Conservation District, County of Riverside
Guidance Documents	Stormwater Management Plan (SWMP)
ID and Prioritize	<ul style="list-style-type: none">• Hazardous waste/materials: Inspect at least twice during the permit term• Retail food facilities: Inspect at least once during the permit term
Inspections	Verify minimum BMPs are being implemented. See forms in SWMP Appendix G.
Enforcement	Conduct enforcement based on the severity of the violation. See SWMP Section 1.7.
Coordinate with IGP	Require proof of coverage under the Industrial General Permit (IGP) prior to issuing a business license or certificate of occupancy.
Report Non-Compliance	Notify the Colorado River Regional Board of potential non-compliance with the IGP.
Maintain Database	Include restaurant, automotive service, industrial, mobile cleaning businesses
Training	Staff who conduct inspections attend training annually.

Facility Inspection: Walk-Through BMP Implementation of Industrial and Commercial Facilities

Industrial Facilities

Defined in Attachment A, IGP

- 40 CFR, Ch. 1, Subch N
- Manufacturing
- Oil and Gas/Mining
- Hazardous Waste
- Landfills
- Recycling
- Steam Electric
- Transportation
- Sewage/WWTP

ATTACHMENT A FACILITIES COVERED BY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES (GENERAL PERMIT)	
1. <u>Facilities Subject To Storm Water Effluent Limitations</u> <u>Guidelines, New Source Performance Standards, or</u> <u>Toxic Pollutant Effluent Standards Found in 40 Code of</u> <u>Federal Regulations, Chapter I, Subchapter N</u> <u>(Subchapter N):</u>	status or a general permit under Subtitle C of the Federal Resource, Conservation, and Recovery Act.
Cement Manufacturing (40 C.F.R. Part 411); Feedlots (40 C.F.R. Part 412); Fertilizer Manufacturing (40 C.F.R. Part 418); Petroleum Refining (40 C.F.R. Part 419); Phosphate Manufacturing (40 C.F.R. Part 422); Steam Electric (40 C.F.R. Part 423); Coal Mining (40 C.F.R. Part 434); Mineral Mining and Processing (40 C.F.R. Part 436); Ore Mining and Dressing (40 C.F.R. Part 440); Asphalt Emulsion (40 C.F.R. Part 443); Landfills (40 C.F.R. Part 445); and Airport Deicing (40 C.F.R. Part 449).	5. <u>Landfills, Land Application Sites, and Open Dumps:</u> Landfills, land application sites, and open dumps that receive or have received industrial waste from any facility within any other category of this Attachment, including facilities subject to regulation under Subtitle D of the Federal Resource, Conservation, and Recovery Act, and facilities that have accepted wastes from construction activities (construction activities include any clearing, grading, or excavation that results in disturbance).
2. <u>Manufacturing Facilities:</u> Facilities with Standard Industrial Classifications (SICs) 20XX through 39XX, 4221 through 4225. (This category combines categories 2 and 10 of the previous general permit.)	6. <u>Recycling Facilities:</u> Facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093.
3. <u>Oil and Gas/Mining Facilities:</u> Facilities classified as SICs 10XX through 14XX, including active or inactive mining operations (except for areas of coal mining operations no longer meeting the definition of a reclamation area under 40 Code of Federal Regulations. 434.11(1) because the performance bond issued to the facility by the appropriate Surface Mining Control and Reclamation Acts authority has been released, or except for areas of non-coal mining operations which have been released from applicable State or Federal reclamation requirements after December 17, 1990) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with any overburden, raw material, intermediate products, finished products, by-products, or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator. Inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined material; or sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.	7. <u>Steam Electric Power Generating Facilities:</u> Any facility that generates steam for electric power through the combustion of coal, oil, wood, etc.
4. <u>Hazardous Waste Treatment, Storage, or Disposal</u> <u>Facilities:</u> Hazardous waste treatment, storage, or disposal facilities, including any facility operating under interim	8. <u>Transportation Facilities:</u> Facilities with SICs 40XX through 45XX (except 4221- 25) and 5171 with vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or other operations identified under this Permit as associated with industrial activity.
	9. <u>Sewage or Wastewater Treatment Works:</u> Facilities used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge, that are located within the confines of the facility, with a design flow of one million gallons per day or more, or required to have an approved pretreatment program under 40 Code of Federal Regulations part 403. Not included are farm lands, domestic gardens, or lands used for sludge management where sludge is beneficially reused and are not physically located in the confines of the facility, or areas that are in compliance with Section 405 of the Clean Water Act.
Order 2014-0057-DWQ	1

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Industrial Facility

[Type of IGP Coverage](#)
[Notice of Intent \(NOI\)](#)

Murrieta Creek

[303\(d\) Listed](#)[Impairments](#)[RC County_Boundarie...](#)[RC Watersheds.kml](#)[WATERS Feature Layer...](#)[Temporary Places](#)

Surfacewater Features

- Streams
- Canals
- Pipelines
- Waterbodies
- Coastlines
- Catchments
- Hydrologic Units

Industrial Facility

Type of IGP Coverage:
Notice of Intent (NOI) - Industrial activities are exposed to storm water

SIC Code:
3674 - Manufacturer of Semiconductors and Related Devices

Total Size:
33.0 acres

Industrial Area exposed to storm water:
27.5 acres

Industrial Activities:
Storage and handling of hazardous materials/wastes
Shipping and receiving
Generation of hazardous materials

Directions: [To here](#) - [From here](#)

Industrial Facility

Murrieta Creek

Google Earth



► Layers

1996

Imagery Date: 1/24/2020 / lat 33.499145° lon -117.164538° elev 1046 ft eye alt 6787 ft

1:31 PM

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- ☒ **Industrial Facility**
Type: GP Coverage:
Notice of Intent (NOI) -
- ☒ **Murrieta Creek**
303(d) Listed
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- ☐ RC County_Boundarie...
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- ☐ WATERS Feature Layer...
- ☒ Temporary Places



Surfacewater Features

- Streams
- Canals
- Pipelines
- Waterbodies
- Coastlines
- Catchments
- Hydrologic Units

Industrial Facility

Murrieta Creek

303(d) Listed Impairments:
Pesticides - Chlorpyrifos
Metals - Copper, Iron, Manganese
Nutrients - Nitrogen, Phosphorus
Total Toxics - Toxicity

Directions: [To here](#) - [From here](#)

Murrieta Creek

Google Earth



► Layers

1996

Imagery Date: 1/24/2020 lat: 33.499145° lon: -117.164538° elev: 1046 ft eye alt: 6787 ft

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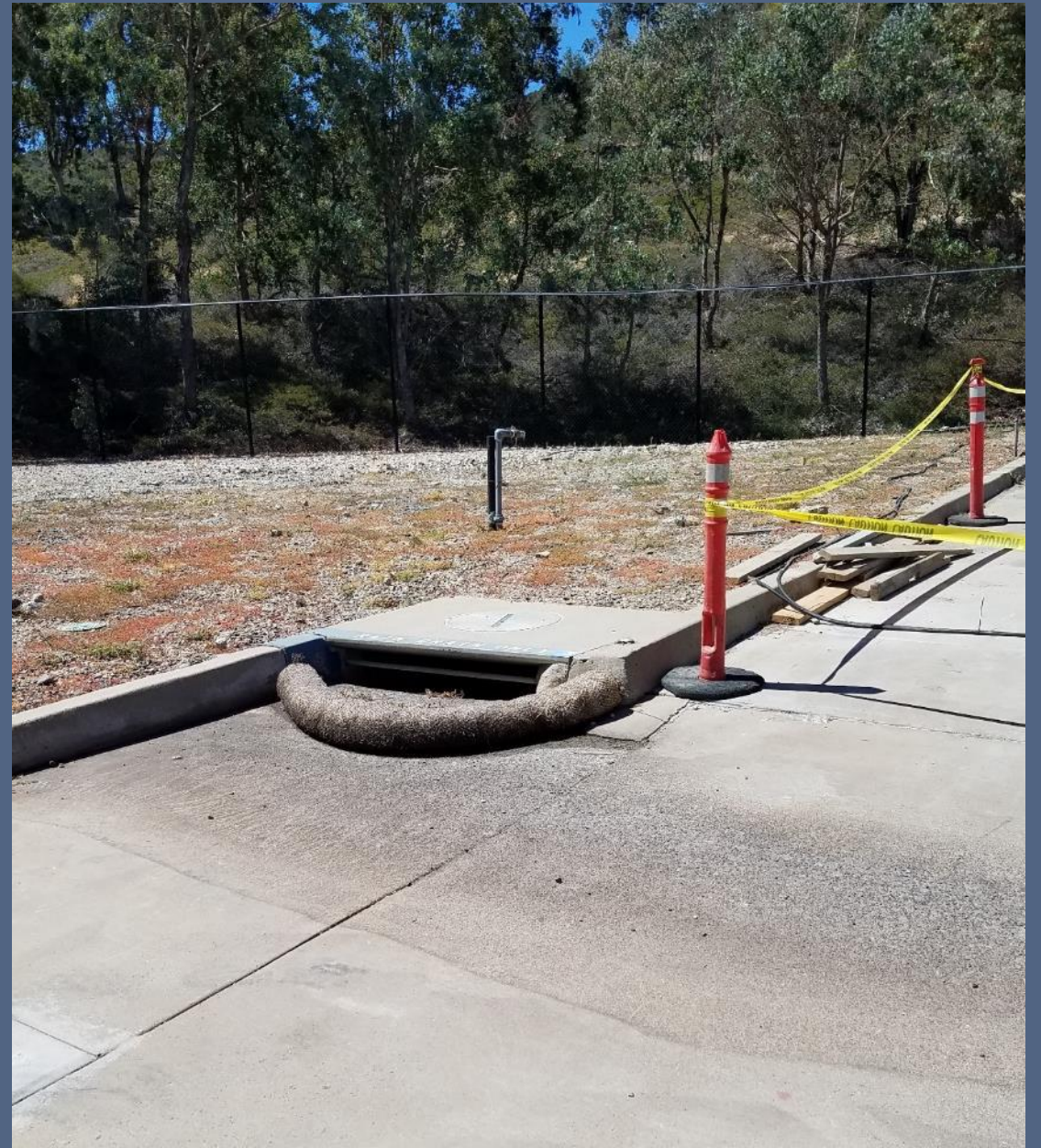
















Let's look at an inspection form that was completed using a regional specific template.

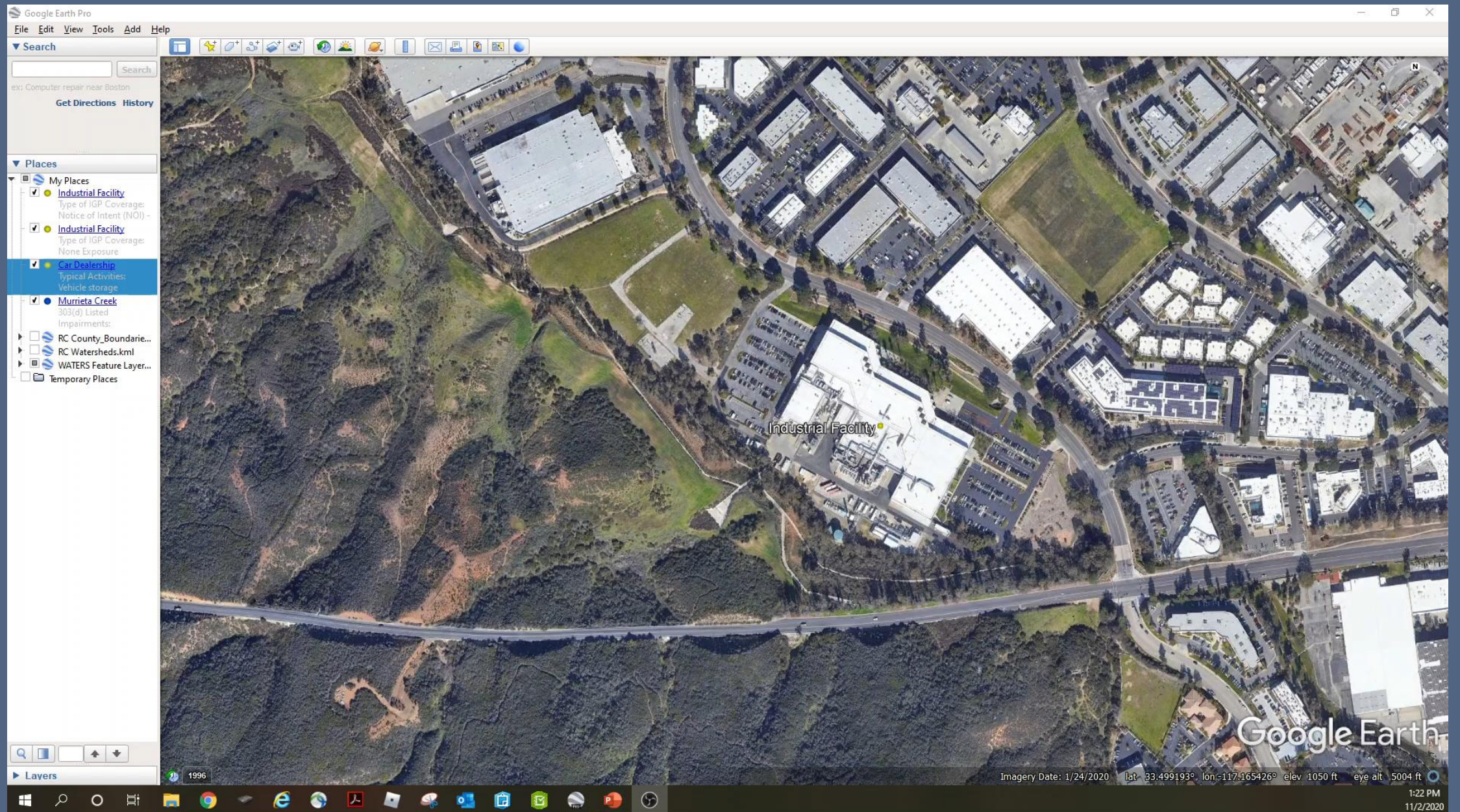
Checklist Item	Description	Result	Comments
1a Illegal Discharges	The business is free of evidence of any illegal discharges.	Passed	
1b Illegal Connections	The business is free of evidence of any illegal connections to storm drains.	Passed	
1c Flowlines & Inlets	Flowlines and inlets are free of trash, staining, and other pollutants.	Passed	
1d Outdoor Cleaners	Dry methods are used for outdoor cleaning activities. When wet methods are required, wash water is collected and disposed properly into sanitary sewer or waste drums.	Passed	
1e Cleaner Disposal	Mop water and cleaners are collected and disposed properly into sanitary sewer or waste drums.	Passed	
1f Roof Water	Roof water drains away from areas of significant activity. Runoff is directed into landscaping.	Passed	

2a Adequate Groundcover	There is adequate groundcover to prevent sediment discharges.	Passed
2b Irrigation Runoff	Sprinklers do not generate irrigation runoff.	Passed
2c Landscape Material	Landscape material stored onsite is protected from rain.	Passed
3a Rain Protection	Activities, materials, and waste are protected from rain.	Passed
3b Waste Containers	There are enough trash and recycling containers.	Passed
3c Waste Areas	Trash and recycling areas are free of trash and stains.	Passed
3d Waste Service Provider	The facility has a service provider that removes trash and recycled material.	Passed
3e Material Storage Area	There are enough outdoor material storage areas and containers.	Passed
3f Spill Response	The facility has accessible spill response material.	Passed
3g Liquid Storage Tanks	Aboveground liquid storage tanks have secondary containment.	Passed
3h Loading & Unloading Areas	Loading and unloading areas free of trash, stains, or other pollutant.	Passed
4a Vehicle Areas	Parking areas, alleys, and driveways free of trash, stains, or other pollutants.	Passed
4b Equipment Storage	Equipment is parked or stored indoors or coverage from rain is provided and these areas are clean.	Passed

4c Equipment Maintenance	Equipment is maintained indoors or maintenance areas have coverage from rain provided and are kept clean.	Passed	
4d Fueling Areas	Fueling areas prevent or treat runoff, provide coverage from rain, and are kept clean.	Passed	N/A
4e Wash Areas	Wash areas prevent or treat runoff, provide coverage from rain, and are kept clean.	Passed	All areas drain to onsite treatment system.
5a Employee Training	Employees are trained and aware of posted pollution prevention and spill response policies or procedures.	Passed	
5b Spill Prevention	The facility has written spill prevention policies or procedures in place and ensures employees have access to it.	Passed	

Inspection Outcome

- Inspection form was completed using a regional specific template
- General comments that were noted on the form
 - SWPPP was verified
 - No compliance issues were observed
 - Follow-up inspection not required
 - Routine inspection scheduled per inspection frequency
 - Provided education regarding the use of filter socks at sampling locations vs. fiber rolls



























FACILITY DBA Manufacturing Inc		PHONE# (123) 456-7890	DATE 3/16/21	TIME 10:45 am
ADDRESS 1234 East Lane		EMAIL manufacturinginc@gmail.com		
ZIP CODE 98765	ID# 100	SIC CODE 3599	CONTACT Joe Smith	
Current Priority: H		Recommended Priority: H		
Type of Inspection: <input checked="" type="radio"/> Routine <input type="radio"/> Follow-Up				
WDID #: 9 33NEC004000		Needs to Apply for NOI or NEC Coverage: <input type="checkbox"/>		
COMPLIANCE AREAS		YES	NO	N/A
*OUTSIDE AREAS (Free of staining & debris; provides good housekeeping; maintained in a manner to prevent runoff.)			Requires follow up	
1. CHEMICAL STORAGE *The outside storage area is kept to minimize the possibility of a release. Chemicals / materials are protected from precipitation / storm water runoff and the containers show no signs of leaking.		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
2. DUMPSTER *No liquids are leaking from dumpster; surrounding area is free of trash.		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. ABOVEGROUND TANKS *No ground staining, no spillage observed and no discharge to storm drain. Tanks are maintained to minimize the possibility of a release (secondary containment).		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
4. ONSITE STORM DRAIN *Protected from accidental discharge other than water.		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
5. POWER WASH OR STEAM CLEAN *(discharge to sewer) Drains to oil/water separator connected to a sanitary sewer and not a septic system. Steam cleaning not discharged to parking lot, storm drain or soil.		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
6. PARKING LOT / DRIVE WAY *Free of excess trash, chemical staining or liquids other than water.		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. OTHER *Non-storm water discharge (i.e., non-hazardous process discharge).		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
8. MOP WATER TO SANITARY SEWER VIA CLARIFIER *Mop water is not dumped to the soil, parking lot, gutter, or other areas susceptible to storm water drainage.		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
9. STORM WATER EDUCATIONAL BROCHURES GIVEN TO FACILITY OR POSTERS DISPLAYED FOR EMPLOYEES *If no, what informational material should be sent to the facility?		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. IF A SWPPP IS REQUIRED, WAS IT AVAILABLE FOR REVIEW? *See storm water handout for industrial facilities.		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

FOLLOW UP REQUIRED



FOLLOW UP AFTER: 3/23/21

INSPECTION/ENFORCEMENT STATUS

Satisfactory



Education



Verbal Warning



COMMENTS:

Observed owner actively sweeping loose sediments and metal shavings in ribbon and on pavement. All areas swept up by end of inspection. Dumpster located in ribbon drain and 1 located adjacent to ribbon drain. Recommend removing excess materials stored in gravel/weed area and relocate dumpsters to gravel/weed area to prevent discharges from entering drain. Store gasoline containers indoors or provide secondary containment and store undercover. Observed outdoor storage of empty 55 gallon drums stored on pallets. Some of the drums are stored upside down. To prevent potential hazardous discharges, do not store drums upside down and provide temporary cover such as tarps or plastic sheeting to fully cover drums prior to a rain event. Observed storage of outdoor materials stored on the ground without permanent or temporary cover. Recommend relocating or store materials on pallets and provide cover.

Follow-Up Inspection Outcome

- Inspection form was completed for the follow-up investigation.
- Inspector documented non-compliance issues were addressed:
 - Owner cleaned up pervious area to use as storage area for dumpsters.
 - Tarps were provided for outdoor storage of empty 55-gallon drums. Empty drums were placed upright.
 - Owner placed all materials and gasoline cans under covered areas.
- Facility was found to be in compliance. Routine Inspection scheduled for the next year.

Commercial Facilities

Car Dealership

Car Dealerships

- Required to be inspected as part of the Industrial and Commercial Inspection program
 - Typical category: Automotive repair
- Multiple areas and activities to be inspected
 - Parking areas
 - Car washing areas
 - IC/IDs
 - Automotive maintenance/detailing areas
 - Storage areas







SERVICE EXPRESS





































Inspection Outcome

- Inspection form was completed using a regional specific template applicable to hazardous materials commercial facilities
 - Observations and compliance issues were noted on the form
 - Parking areas and service entry free of staining and debris
 - Active IC/ID occurring from car washing activities
 - Discharge entering onsite storm drain inlets and City's curb and gutter
 - IC/ID investigation triggered
 - Storm drain signage
 - Provide signage for all onsite inlets
 - Outdoor used tire temporary storage area
 - Recommendations: Store tires on pallets and cover prior to rain event
 - Outdoor used hazardous waste and material storage areas
 - Recommendations: Excessive staining on ground. Use absorbent and implement spill clean-up measures

Inspection Outcome

- Outdoor used tire temporary storage area
 - Recommendations: Store tires on pallets and cover prior to rain event.
- Outdoor used hazardous waste and material storage areas
 - Recommendations: Excessive staining on ground. Use absorbent and implement spill clean-up measures.
- Used oil spill from 55-gallon drum
 - Used oil contained on property. Did not discharge to MS4.
 - Immediate clean-up required
 - Operator complied with request and began applying absorbent.

Inspection Outcome

- Follow-up required
 - Due to compliance issues observed, follow-up scheduled next day.
 - Written warning issued.
 - Citation with fee attached was issued for IC/IDs
- Provided education focusing on compliance issues
- Provided recommendations to implement a more robust training program for employees on general housekeeping and spill prevention

Restaurants

Typical Compliance Issues

- Wash waters from paved areas and mats are not properly contained
 - Recommendations: Use dry cleaning methods in lieu of wet methods. If wet methods used, must contain and properly dispose of all wash waters.
- Trash and debris observed in dumpster areas or overflowing trash
 - Recommendations: Clean-up trash and debris when observed by staff or increase frequency of trash pickup.
- Outdoor grease

Typical Compliance Issues

- Excessive grease and oil on ground and walls of outdoor grease containers
 - Recommendations can vary:
 - Use dry cleaning methods in lieu of wet methods to clean up grease and oil. If wet methods used, must contain and properly dispose of all wash waters.
 - If grease on walls of container is too much, recommend replacing container. Provide education on spill prevention and cleanup.
- Unable to provide maintenance schedule of interceptor
 - Recommend contacting FOG inspector























FOOD FACILITY STORMWATER COMPLIANCE SURVEY

TYPE OF INSPECTION:	<input checked="" type="radio"/> Routine <input type="radio"/> Follow-Up	NEW BUSINESS <input type="checkbox"/>		
COMPLIANCE AREAS	YES	NO	N/A	
GREASE BARRELS/ INTERCEPTORS				
1. Grease pumped/removed on a regular basis.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
2. Grease interceptor located outside facility, maintained properly.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
EQUIPMENT CLEANING				
3. The following items are cleaned in such a manner that all wash water is discharged to the sanitary sewer or is collected for proper disposal:				
a. Grease filters	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
b. Floor mats	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
c. Floors (mop water and rinse water)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
d. Grills	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
OUTSIDE AREAS				
4. The following areas are cleaned in such a manner that all wash water is discharged to the sanitary sewer or is collected for proper disposal:				
a. Sidewalk or outdoor seating	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
b. Drive thru	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
DUMPSTERS AND RECYCLING CONTAINERS				
5. Food waste bagged and sealed before disposal.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
6. Dumpsters and recycling containers are covered.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
7. Spilled materials around containers are picked up regularly.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
8. Wash water is discharged to the sanitary sewer or is collected for proper disposal.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
EMPLOYEE EDUCATION/ AWARENESS				
9. Brochures or posters displayed.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
10. BMPs observed.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	

FOLLOW UP REQUIRED ☐

INSPECTION/ENFORCEMENT STATUS

Satisfactory ☐

Education ☒

Verbal Warning ☐

COMMENTS:

Observed containment of wash water from power washing activities. Wash water is collected using a shop-vac and disposed of in the mop sink of the restaurant. Unable to provide maintenance schedule/log of interceptor. Notification sent to FOG inspector. Excessive oil and grease on steel grease bins and 55-gallon drums. Replace grease bins/drums and provide spill pan or absorbent sock for drums. Excessive grease and oil on surrounding pavement. Clean up surrounding pavement. All wash water must be contained and properly disposed of. Recommend contacting FOG inspector for disposal location. Trash and debris observed in dumpster area. Recommend increasing daily maintenance of trash enclosure. Follow-up in one week.

Nurseries

Typical Compliance Issues

- Loose sediments and soils
- Stockpiles are not bermed or covered
- Landscaping materials not covered prior to rain events
- Pesticides not properly stored
- Trash and debris
- IC/IDs from over irrigation of plants











Golf Club and Resort Maintenance Areas

Typical Compliance Issues

- Loose sediments and soils
- Stockpiles are not bermed or covered
- Hazardous waste and materials may need secondary containment or cover prior to rain events
- Excess trash and debris
- IC/IDs from wash waters or product use





















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A blue spray indicator for turf and termiticide pretreatments

- See where you spray
- Indicates skips and overlaps
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Keep Out of Reach of Children

Net Contents: 2.5 Gallons (9.46 Liters)



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FREEZING



You have successfully completed the Industrial/Commercial Training

- Questions may be asked via:
 - Contacting your NPDES coordinator
 - Contacting Charlene Warren at RCFC & WCD, cwarren@rivco.org
 - Contacting the CASC presenter, Joyce Goode, at jgoode@cascinc.com