The background of the slide features a light blue to medium blue gradient. Scattered across the top and bottom edges are several realistic water droplets of various sizes, some with highlights and shadows, giving a fresh and clean aesthetic.

PBC MS4 NPDES PERMIT ANNUAL STAFF TRAINING

MARCH 11, 2020

MS4 NPDES PERMIT

BACKGROUND

- FEDERAL LAW REQUIRES THAT MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4S) THAT DISCHARGE TO WATERS OF THE STATE OR U.S., BE COVERED BY A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
- BASED ON ITS POPULATION, PALM BEACH COUNTY WAS DESIGNATED A PHASE I MS4 PERMITTEE AND HAS TO COMPLY WITH THE REQUIREMENTS OF THE INDIVIDUAL MS4 PERMIT ISSUED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).

MS4 NPDES PERMIT

ANNUAL STAFF
TRAINING

SPCR

(SPILL PREVENTION, CONTAINMENT AND RESPONSE)

IDDE

(ILLICIT DISCHARGE DETECTION AND ELIMINATION)

CONSTRUCTION SITE EROSION & SEDIMENTATION CONTROL

(FOR CONSTRUCTION SITE PLAN REVIEWERS, SITE
OPERATORS, SITE INSPECTORS)

SPCR



WHAT SHOULD I KNOW ABOUT SPILLS?



At your job, if you work with pollutants that can harm our water bodies, you should know how to do the following:

- Prevent a spill
- Recognize and quickly assess the nature of a spill
- Contain a spill
- Promptly report hazardous material and chemical spills to the appropriate authorities



SPCR

MS4 Permit
Compliance

AN SPCR PROGRAM REVIEW:

- **PREVENT** SPILLS, THROUGH PROPER STORAGE AND HOUSEKEEPING PRACTICES
- **CONTAIN** SPILLS WHEN THEY OCCUR TO MINIMIZE OR ELIMINATE ANY IMPACT TO THE MS4
- **RESPOND** TO SPILLS IN THE APPROPRIATE MANNER, WITH THE APPROPRIATE STAFF, USING THE APPROPRIATE MEASURES

SPCR

PREVENTION:

- **PROPER STORAGE (CONTAINER AND LOCATION)**

- APPROPRIATE CONTAINER
- SAFE LOCATION (INSIDE OR COVERED)
- CORRECT LABELING



- **SMART HANDLING PRACTICES**

- USE OF DRIP PANS AND/OR ABSORBENT PADS WHEN FILLING/DISPENSING
- PROPER DISPOSAL
- PROMPT STORAGE WHEN NOT IN USE



- **ROUTINE EQUIPMENT INSPECTION & MAINTENANCE
(TO PREVENT LEAKS)**

SPCR

PREVENTION:

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- PROMPT STORAGE WHEN NOT IN USE



- **ROUTINE EQUIPMENT INSPECTION & MAINTENANCE
(TO PREVENT LEAKS)**

SPCR

CONTAINMENT:

- SWIFT PLACEMENT OF BOOMS, INLET PROTECTION DEVICES, DAMS, DIVERSIONS, ETC. TO PREVENT THE SPILLED MATERIAL FROM ENTERING THE MS4, ANY NEARBY WATERWAY, OR FROM SATURATING THE GROUND.



SPCR

RESPONSE:

- CONTACT YOUR DESIGNATED EMERGENCY RESPONSE COORDINATOR.

- ONLY CLEAN-UP SPILLS IF YOU KNOW WHAT THE MATERIAL IS, AND YOU'VE HAD PROPER TRAINING.



SPCR

KEY NOTE: PREPARATION!

- KNOW HOW TO CONTACT YOUR DESIGNATED EMERGENCY RESPONSE COORDINATOR
- BE FAMILIAR WITH YOUR MUNICIPAL, COUNTY, AGENCY, OR DEPARTMENT SPCR
- KNOW THE LOCATION OF ALL SPILL KITS AND/OR SPILL LOCKERS IN THE AREAS WHERE YOU WORK
- KNOW HOW TO USE THE SPILL KIT

SPCR

Today's Videos:

NPDES Refresher Training: Spill Prevention & Response (17.19 min)

https://youtu.be/NSXT_OGuelw

**ILLICIT DISCHARGE
DETECTION AND
ELIMINATION
(IDDE)**



IDDE

Finding & Fixing Hidden Sources of Water Pollution: Illicit
Discharge Detection & Elimination



IDDE

How to Spot and Report Stormwater Pollution



IDDE

SOME OF THE MOST COMMON FORMS OF ILLICIT DISCHARGE :

- CHEMICALS
- PETROLEUM
- FERTILIZER
- DETERGENTS AND WASH WATERS
- TRASH AND DUMPING
- SEWAGE
- SEDIMENTS, LAWN DEBRIS, & PET WASTE
- CONCRETE WASHOUT

IDDE



IDDE



IDDE



IDDE



IDDE



IDDE



IDDE



IDDE



IDDE

MS4 Permit Compliance

- LEGAL AUTHORITY: EACH PERMITTEE PASSED AN ORDINANCE WHICH PROHIBITS THE DISCHARGE OF ALMOST EVERYTHING BUT STORMWATER RUNOFF INTO ITS MS4.
- COMPLIANCE: AS PART OF THEIR IDDE PROGRAM, MOST PERMITTEES RELY ON PROPERLY TRAINED STAFF TO HELP REPORT ILLICIT DISCHARGES.
- TRAINING: TODAY'S TRAINING IS TO ENSURE YOU KNOW BOTH WHAT YOU ARE LOOKING FOR, AND REMIND YOU THAT YOU SHOULD KNOW HOW TO REPORT A SUSPECTED ILLICIT DISCHARGE IN YOUR MUNICIPALITY, COUNTY, OR AGENCY.

IDDE

3 SIMPLE STEPS:

1. KEEP A KEEN EYE OUT FOR POSSIBLE ILLICIT DISCHARGES
2. TAKE PHOTOGRAPHS OF WHAT YOU OBSERVE
3. REPORT THE SUSPECTED ILLICIT OBSERVATION TO YOUR DESIGNATED HOTLINE AND TO YOUR IMMEDIATE SUPERVISOR.
 - DATE, TIME, AND SPECIFIC LOCATION

IDDE

BEYOND REPORTING:

AFTER A SUSPECTED ILLICIT DISCHARGE IS FOUND OR REPORTED, EACH PERMITTEE HAS SOMEONE THAT CONDUCTS REACTIVE ACTIVITIES IN ORDER TO COMPLETE THE ELIMINATION PORTION OF IDDE:

- INVESTIGATION
- NOTIFICATION
- ELIMINATION
- ENFORCEMENT

IDDE

TRAINING VIDEO:

IDDE: ILLICIT DISCHARGE DETECTION AND ELIMINATION

Today's Videos:

Finding & Fixing Hidden Sources of Water Pollution: Illicit Discharge
Detection & Elimination (4:31 min)

https://youtu.be/AhiS_5ZNbL0

How to Spot and Report Stormwater Pollution (total length 7.06)

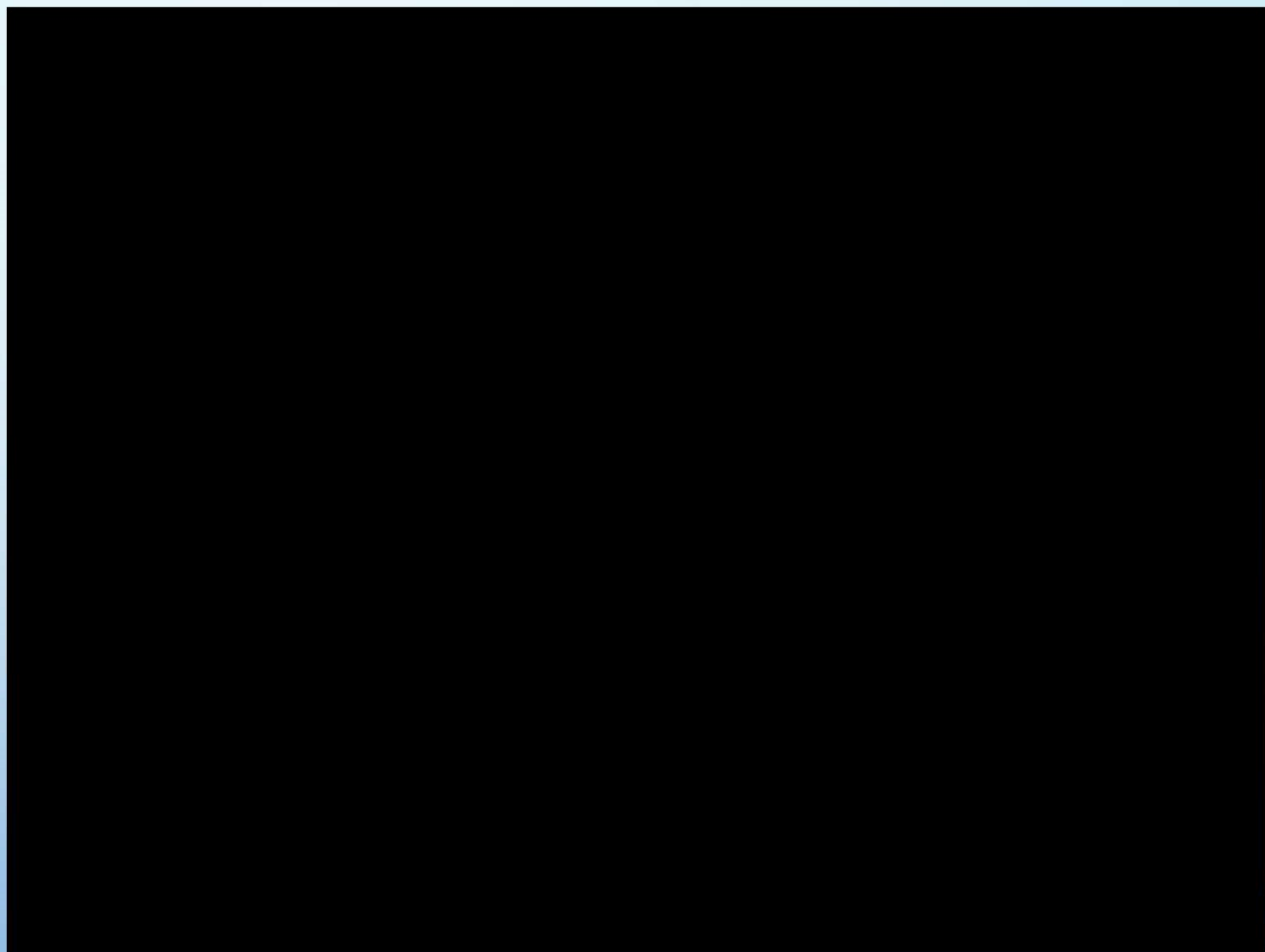
<https://youtu.be/hnXMalmmcKo>

CONSTRUCTION
SITE
EROSION &
SEDIMENTATION
CONTROL





CONSTRUCTION
SITE
EROSION &
SEDIMENTATION
CONTROL



CONSTRUCTION SITE EROSION & SEDIMENTATION CONTROL

MS4 PERMIT REQUIREMENTS:

- PERMITTEE CONSTRUCTION SITE PLAN REVIEWERS (SPRS), CONSTRUCTION SITE OPERATORS (CSO), AND CONSTRUCTION SITE INSPECTORS (CSI) ARE REQUIRED TO HAVE ANNUAL (REFRESHER) TRAINING ON CONSTRUCTION SITE EROSION AND SEDIMENTATION CONTROL PRACTICES.
- PERMITTEE CSI MUST BE CERTIFIED THROUGH THE STATE'S STORMWATER, EROSION, AND SEDIMENTATION CONTROL COURSE. (NEXT PALM BEACH COUNTY COURSE IS: MAY 12, & 13, 2020)
- PRIVATE CONSTRUCTION SITE OPERATORS THAT WORK WITHIN PERMITTEE'S MS4 AREA, MUST ALSO BE TRAINED. *

* SOME PERMITTEES HAVE INDICATED THAT THEY MEET THIS REQUIREMENT DURING THE PRE-CONSTRUCTION MEETINGS HELD PRIOR TO THE START OF ANY CONSTRUCTION PROJECT THEY PERMIT.

CONSTRUCTION SITE EROSION & SEDIMENTATION CONTROL

(PLAY FROM 9:30 – END)

Today's Videos:

Stormwater Pollution Prevention NPDES Refresher Training: Erosion & Sedimentation Control (4:00 – 4:5 min) and (9:30 – end)

https://youtu.be/AhiS_5ZNbL0

MS4 NPDES PERMIT

ANNUAL STAFF
TRAINING

**YOU HAVE NOW COMPLETED YOUR
ANNUAL/REFRESHER TRAINING FOR:**

SPCR (SPILL PREVENTION, CONTAINMENT AND RESPONSE)

IDDE (ILLICIT DISCHARGE DETECTION AND ELIMINATION)

CONSTRUCTION SITE EROSION & SEDIMENTATION CONTROL
(FOR CONSTRUCTION SITE PLAN REVIEWERS, SITE OPERATORS,
SITE INSPECTORS)

PLEASE BE SURE YOU SIGNED THE LOG!