

CERTIFIED PROFESSIONAL IN INDUSTRIAL STORMWATER MANAGEMENT™

CPISM™

SCOPE OF PRACTICE





CERTIFIED PROFESSIONAL IN INDUSTRIAL STORMWATER MANAGEMENT™

The Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity (MSGP) is a federally mandated permit which encompasses stormwater discharges for industrial facilities. EnviroCert International, Inc. (ECI) provides a Professional Certification in Industrial Stormwater Management to verify that Certified Professionals have demonstrated a comprehensive and in-depth knowledge and understanding of the overall industrial practices from a Federal perspective.

The ECI industrial certification (CPISM) ensures the professional has met the Federal requirements outlined by the EPA's MSGP. This Professional Certification provides individual states the ability to rely on this ECI program to address national requirements, which in turn allows the state or their agencies to focus on developing additional state-specific testing and education programs as appropriate.

The CPISM certification ensures that a professional passing the exam has a detailed in-depth knowledge and understanding of the following concepts for industrial sites, professional practice, inspection requirements, and reporting requirements:

- Permit coverage guidelines and requirements
- Eligibility under the permit
- Compliance, violations and corrective action measures
- Discharge sources, outfall locations and monitoring
- Effluent and pollutant control measures and limitations
- Appropriate sampling and testing procedures
- Maintenance and good housekeeping
- Mitigation design elements
- Development of BMP measures to reduce and prevent industrial stormwater discharges
- Post Construction BMPs and LID Methods
- Preparing SWPPP and monitoring program



CERTIFIED PROFESSIONAL IN INDUSTRIAL STORMWATER MANAGEMENT™ MINIMUM QUALIFICATIONS

CPISM™ *Certified Professional in Stormwater Management™*

Education

- High School Diploma or GED Required: **Yes**
- College Diploma Required: **No**
- Required Total Professional Experience / Education Credit (min): **7 years**

Education Credit

Associate** (Science, Planning, or Construction Management)	1 year / 1/2 year
No degree but Professional License (PE, LA, PG, PH)*	4 years
Bachelors Degree** (Science, Planning, or Construction Mgmt. areas)	4 years / 2 years
Graduate (All of the above areas or Law)***	5 years

In-Training

- In-Training Program: **N/A**
- Required Total Experience (min.): **N/A**

* ECI reserves the right to review various State licensing not listed to determine applicability

** Not all science, planning, and construction management degrees apply to every certification.
Non-related degrees will be given half-credit

*** Graduate degrees not in the sciences will not receive any additional credit above a Bachelors



CERTIFIED PROFESSIONAL IN INDUSTRIAL STORMWATER MANAGEMENT™ SCOPE OF PRACTICE

A CPISM must have knowledge of the United States Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NDPES) Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (MSGP) including but not limited to:

COVERAGE UNDER THE MSGP

Eligibility:

- Facilities Covered
- Allowable Stormwater Discharges
- Allowable Non-Stormwater Discharges
- Limitations on Coverage
 - Discharges Mixed with Non-Stormwater
 - Stormwater Discharges Associated with Construction Activity
 - Discharges Covered Under Other Current or Previous Permits
 - Stormwater Discharges Subject to Effluent Limitation Guidelines
 - Endangered and Threatened Species and Critical Habitat Protection
 - Historic Property Preservation
 - New Discharges based on Water Quality Standards
 - New Discharges to Water Quality Impaired Waters
 - New Discharges to Waters Designated as Tier 3 for Anti-Degradation Purposes
 - No Exposure Certification



Authorization Under the MSGP:

- How to Obtain Authorization
- Continuation of this Permit
- Coverage under Alternative permits

Terminating Coverage:

- Submitting a Notice of Termination
- When to Submit a Notice of Termination

Conditional Exclusion for No Exposure:

Permit Compliance:

Alternative Permits:

- EPA Requiring Coverage under an Alternative Permit
- Permittee Requesting Coverage under an Alternative Permit

Severability:

CONTROL MEASURES AND EFFLUENT LIMITS

Control Measures:

- Control Measure Selection and Design Considerations
- Non-Numeric Technology-based Effluent Limits
 - Minimize Exposure
 - Good Housekeeping
 - Maintenance
 - Spill Prevention and Response Procedures
 - Erosion and Sediment Controls
 - Management of Runoff



- Salt Storage Piles or Piles Containing Salt Controls
- Sector Specific Non-Numeric Effluent Limits
- Employee Training
- Non-Stormwater Discharges Controls
- Waste, Garbage and Floatable Debris Controls
- Dust Generation and Vehicle Tracking of Industrial Materials Controls
- Numeric Effluent Limitations Based on Effluent Limitation Guidelines Water Quality-Based Effluent Limitations:
 - Water Quality Standards
 - Discharges to Water Quality Impaired
 - Waters Tier 2 Antidegradation

Requirements Relating to Endangered Species and Historic Properties:

Requirements Relating to the National Environmental Policy:

CORRECTIVE ACTIONS

Conditions Requiring Review, Revisions and Modifications:

Corrective Action Deadlines:

Corrective Action Reports:

Effect of Corrective Action:

Substantially Identical Outfalls:

INSPECTIONS

Routine Facility Inspections:

Quarterly Visual Assessments:

Comprehensive Site Inspections:



STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

Contents of the SWPPP: Control Measures: Schedules and Procedures:

SWPPP Modifications:

SWPPP Availability:

Additional Documentation Requirements:

MONITORING

Monitoring Procedures:

- Outfalls
- Commingled Discharges
- Measurable Storm Events
- Sample Type
- Adverse Weather Conditions
- Irregular Storm Runoff
- Monitoring Periods
- Allowable Non-Stormwater Discharges
- Reports

Required Monitoring:

- Effluent Limitations
- State or Tribal Provisions
- Discharges to Impaired Waters
- Exceedance Reports
- Record Keeping and Reporting
- Training Personnel



REPORTING AND RECORDKEEPING

- Reporting Data to EPA
- Annual Report
- Exceedance Report for NEL
- Additional Reporting
- Recordkeeping

SPECIAL REQUIREMENTS

Plastic Materials:

SECTOR SPECIFIC REQUIREMENTS

All Subparts - Sectors A through AD:

STATE TRIBAL REQUIREMENTS

PERMANENT WATER QUALITY BMP DESIGN AND HYDROLOGY

Site Design Principles and Techniques:

Stormwater BMP Design:

- Basic Slope (rise/run) calculations
- Basic understanding of infiltration rates and soil parameters
- Understanding of basic hydrology terminology and principles
- Basic Unit conversions



Certified Professional in Industrial Stormwater Management™ References

1. United States Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NDPES) Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (MSGP) - August 12, 2015
2. “Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (MSGP)” United States Environmental Protection Agency - May 27, 2009.
3. 2015 Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (MSGP) – Fact Sheet
4. Code of Federal Regulations, Title 40, Subchapter N
5. “Developing Your Stormwater Pollution Prevention Plan – A guide for Industrial Operators”; United States Environmental Protection Agency, February 2009 – EPA 833-B-09-002
6. “Industrial Stormwater Monitoring and Sampling Guide”; United States Environmental Protection Agency, March 2009
7. Industrial Stormwater Monitoring and Sampling Guide – EPA 832-B-09-003
8. Guidance Manual for Conditional Exclusion from Storm Water Permitting Based on “No Exposure” of Industrial Activities to Storm Water – EPA 833-B-00-001