UPDATE ON THE CITY’S RULES RELATING TO WATER QUALITY
September 20, 2017
WHY ARE WE HERE?
WHY ARE WE HERE?
WHY ARE WE HERE?
WHY IS THIS IMPORTANT?
BACKGROUND

MUNICIPAL SEPARATE STORM SEWER SYSTEM

MS4 PERMIT
Reissued JAN 15, 2015
Permit Became Effective on FEB. 16, 2015
Permit Expires on JAN 15, 2020

(MS4)

discharge

RECEIVING WATERS
STORM WATER MANAGEMENT PROGRAM
REQUIRED ELEMENTS

Public Participation & Outreach

Pollution Prevention and Good Housekeeping

Construction Site Runoff Control

Post Construction Storm Water Management

Illicit Discharge Detection & Elimination

Monitoring & Implementation Plans

Industrial & Commercial Discharge
Water Quality Rules

- Public Notice published on July 1, 2016
- Public Hearing hearing held on August 4, 2016
- Rules adopted on October 10, 2016
- Effective on August 16, 2017
Flood control requirements will be separate
Plan Review and Implementation of BMPs before and during Construction
Regulated Projects

Any Development or Redevelopment project that involves land disturbing activity that requires a building, electric, plumbing, grading, grubbing, stockpiling, or trenching permit is considered a regulated project under the City’s Revised Water Quality Rules.
Erosion and Sediment Control Plans (ESCP)

Regardless of the project size, location or schedule, the new rules require:

1) Erosion Prevention BMPs

2) Sediment Control BMPs

3) Good Housekeeping BMPs

*No requirement for Soil Loss Calculations*
Category 1A/1B ESCP Small Project Template

Appendix A

Erosion and Sediment Control Plan
Category 1A Template

City and County of Honolulu

Construction Site Project Name: ____________________________

Physical Site Address: ___________________________________

Erosion and Sediment Control Coordinator: ________________ Phone Number: ____________________

Building Permit Number: _________________________________

Instructions:

This completed template is to be used as the Erosion and Sediment Control Plan (ESCP) for projects which fall under the City and County of Honolulu, Department of Planning and Permitting (DPP) Category 1A: Single-family or Two-family detached residential building projects that disturb less than 1,000 square feet of land and where there will not be land disturbing activities on slopes greater than 15%.

This ESCP must be submitted as part of the Building Permit application and made available on the job site at all times. The ESCP must be prepared by the owner of the project or an authorized representative designated by the owner. Both individuals must certify this ESCP below.

Read through the instructions for each of the three (3) sections on the next page, I. Erosion Prevention, II. Sediment Control, and III. Good Housekeeping. Any last management practices (BMP) boxes that are checked are mandatory during construction. For more information on each type of BMP, this template lists applicable fact sheet numbers from the City's Construction BMP Manual that may help you decide on which BMP types to use and how to use them. The manual is available on the DPP website. For any conflicting information between the Rules Relating to Water Quality and the Construction BMP Manual, the requirements of the Rules shall be followed. If either BMPs not listed are used to achieve the same or similar results, attach additional documentation.

I. EROSION PREVENTION: practices that prevent erosion from occurring.

<table>
<thead>
<tr>
<th>BMP</th>
<th>Check Appropriate Box</th>
<th>Reference Footnotes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Project Scheduling</td>
<td>Notify the DPP two (2) weeks prior to starting work. Attach a Project Schedule to the ESCP including dates when BMPs will be installed, when land disturbing activities will begin and end, and dates when BMPs will be removed.</td>
<td>EC-1</td>
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<tr>
<td>2. Permanent Stabilization</td>
<td>Prior to final approval and closing of the permits for work on the project site, permanent stabilization must be in place.</td>
<td>N/A</td>
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II. SEDIMENT CONTROL: practices to prevent soil and sediment from leaving the project site and entering storm drains during rain events.

<table>
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<tr>
<th>BMP</th>
<th>Check Appropriate Box</th>
<th>Reference Footnotes</th>
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</thead>
<tbody>
<tr>
<td>1. Perimeter Controls</td>
<td>Sediment fences or barriers shall be used at the perimeter of all disturbed areas if there is the potential for runoff to flow off the project site, and around the base of all material stockpiles. These may include gravel bags, sand bags, fiber rolls, silt fences, or compacted sod that intercept runoff.</td>
<td>SE-1, SE-5, SE-6, SE-7, SE-14</td>
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<tr>
<td>2. Storm Drain Inlet Protection</td>
<td>Inlet protection is required over storm drains within 50 feet of your project site unless those inlets drain to a sediment basin or trap.</td>
<td>SE-10</td>
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CERTIFICATION

By signing, you acknowledge that you understand that erosion prevention, sediment control, and good housekeeping BMPs on this plan are mandatory conditions of your building permit and are subject to inspection and enforcement by the Department of Planning and Permitting.

Owner Name: _______________ Signature: _______________ Date: _______________

ESCP Coordinator Name: _______________ Signature: _______________ Date: _______________
Category 3-5 & 1C ESCP:

Site Plan

BMP Inventory
Program Assessment - Inspections

- Self Inspections (Contractor)
- City Inspections (DDC/DPP/DTS/ENV)
- 3rd Party Oversight Inspections (DFM)
Monthly 3rd Party Inspections
CITY Projects

Data Represents:
• 426 inspections
• From 2/2/2016 to 9/23/2016
• 69 contractors
• 127 City projects
Monthly 3rd Party Inspections
CITY Projects

Outstanding Deficiencies
Contractor-A

Outstanding Deficiencies
Contractor-B

Outstanding Deficiencies
Contractor-C

Outstanding Deficiencies
Contractor-D
Monthly 3rd Party Inspections
CITY Projects

First 4 insp
Avg ~ 2.3

First insp
Avg ~ 3.9
Avg + 1sd ~ 8.2

Would first insp suggest problem contractor??
Plan Review and Implementation of BMPs following Construction
“Development”

“Development” means the sum of any and all actions that are undertaken to alter the natural or existing condition of real property or improvements on real property if a building, electric, grading, grubbing, plumbing, stockpiling or trenching permit is required for the Project. Development also includes Redevelopment and changes in land use that may result in different or increased Pollutant discharges to the MS4 or Receiving Waters.”
“Redevelopment”

“Redevelopment” means the creation, addition, and/or replacement of impervious surface on improved real property. Redevelopment does not include trenching and resurfacing associated with utility work, resurfacing and reconfiguring existing impervious surfaces, the repair of sidewalks or pedestrian ramps, pothole repair, ordinary road maintenance or the marking of vehicular or pedestrian lanes on existing roads.”

“Replacement of Impervious Surface” includes any activity that is not part of routine maintenance and where impervious materials are removed, exposing underlying soil during construction.
Best Management Practices (BMPs)

Collect

Reduce Pollutants by retaining, reusing and/or infiltrating stormwater.

Low Impact Development

Infiltrate

Filter

Reuse

Drain

CATCH BASIN
Bioretention/Rain Gardens
Vegetated Swales
Green Roofs
Cisterns/Rain Barrels/Catchment
Permeable Pavements
Porous Pavement
Rules Relating to Water Quality

City and County of Honolulu – Department of Planning and Permitting (click link below)

Complete Rules Relating to Water Quality & Related Resources

Summary:
- Rules Relating to Soil Erosion Standards and Guidelines, effective April 3, 1999, is repealed.
- §1-5 Section II - Standards for Storm Water Quality, Rules Relating to Storm Drainage Standards, effective June 1, 2013, is repealed.
- Rules Relating to Water Quality of the Administrative Rules, Title 20, Department of Planning and Permitting, Chapter 3, is adopted August 16, 2016 and effective August 16, 2017.

Click on image to download
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<td>Storm Water</td>
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Web-Based Certification/Training

Web-Based training certification

• **Erosion and Sediment Control Plan** or “ESCP” Coordinator: Designee responsible for the implementation, inspection and oversight of an approved Erosion and Sediment Control Plan (ESCP) during construction who has a current ESCP coordinator certificate from the City’s Department of Planning and Permitting. This person can be a homeowner, contractor or authorized representative approved by the property owner.

• **Certified Water Pollution Plan Preparer** or “CWPPP”: Architect, Engineer, Land Surveyor, or Landscape Architect licensed in the State of Hawaii who has a current Water Pollution Plan Preparer Certificate from the City’s Department of Planning and Permitting. This licensed professional is responsible for developing any post-construction Best Management Practices (BMP) plans that are approved by the department that addresses any source, treatment and Low Impact Development (LID) design requirements in accordance to the Rules Relating to Water Quality. CWPPPs are also responsible for conducting site observation(s) to attest that post construction BMPs and source control BMPs appear to have been installed in general conformance according to the approved construction plans and certifying as part of the Certificate of Completion prior to closing of any applicable building or grading permits.

**ESCP Coordinator training**

**CWPPP training**

**ESCP and CWPPP Annual Web-Training INSTRUCTIONS**

**WARNING:** Do not use the “Certificate” function at the end of the CWPPP training course. Please follow the instructions to print your certificate.

**Click here for a current listing of Pre-Qualified Certified Water Pollution Plan Preparers (CWPPP)**
Erosion and Sediment Control Plan Coordinator

• “ESCP Coordinator” means the designee responsible for the implementation of an ESCP who has a current ESCP coordinator certificate from the Department. The designation of an ESCP Coordinator does not relieve the property owner or other responsible parties from compliance with these Rules or liability for violations of the same.

• Requires a training, test, and certification from DPP.
• No professional credentials required.
• Responsible for implementation of BMPs and inspections.
Certified Water Pollution Plan Preparer

• “Certified Water Pollution Plan Preparer” means an Architect, Engineer, Land Surveyor, or Landscape Architect licensed in the State of Hawaii who has a current Water Pollution Plan Preparer Certificate from the Department.

• Requires a training, test, and certification from DPP.

• Required to prepare Storm Water Quality Report/Checklist.

• Required to certify that post-construction BMPs are installed properly.
THANK YOU

For More Information:

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City & County of Honolulu
Department of Facility Maintenance

www.cleanwaterhonolulu.com

Environmental Concern Line
768-3300