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# Contractor's Perspective

Presented by  
Chester Saito  
GCA of Hawaii  
Environmental Committee Member



# **GCA of Hawaii**

**1065 Ahua Street**

**Honolulu, Hawaii 96819-4493**

**Phone No. (808) 833-1861**

**Fax (808) 839-4167**

**Website: [www.gcahawaii.org](http://www.gcahawaii.org)**





# GCA of Hawaii

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- Formed in 1932
- Is a voluntary non-profit organization
- Members include –
  - ❖ 125 General Contractors
  - ❖ 250 Subcontractors
  - ❖ 130 Equipment/Material Suppliers and Affiliate Members



# GCA Mission Statement

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The GCA of Hawaii will represent members and be their voice in all matters relating to the construction industry. The Association will provide a full range of services satisfying the needs and concerns of its members, thereby improving the quality of construction and protecting the public interest.



# GCA of Hawaii

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*Can and will in partnership with government agencies and other organizations develop and implement programs through its Environmental Committee to effectively minimize polluted storm water and non-storm water discharges associated with construction activities.*



# Introduction

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To summarize in twenty-five words or less, I will be focusing on the 3 Cs: **Cooperation, Consistency, Competence** necessary for the prevention of storm water pollution during the pre-construction, construction, and post construction with emphasis on erosion control.



# PRE-CONSTRUCTION REQUIREMENTS

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- NOI Prepared and submitted by owner or duly authorized representative  
(HAR §11-55, Appendix C, 4 (a))
- Erosion Control Measures designed  
(HAR §11-55, Appendix C, 6.(a) and Guideline for Form C para 15.b.)
- Drainage and Erosion Control Plan designed by an Engineer  
(Sec. 14-14.2 Revised Ordinance of Honolulu)



# Erosion & Sediment Control

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- *Emphasis on Erosion Control*
- *E&SC designed for –*
  - *10, 15, 25, 50, 75, 100 year storm event?*
- *Clearly Specified in Contract Documents (“level the playing field”)*



# Construction BMPs

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- Site Specific BMP Plan submitted DOH-CWB 30 days prior to start of activities.
  - (HAR §11-55, Appendix C, para. 4(b)(2)(I).
- Temporary Erosion Control Plans and Procedures (includes BMPs) submitted for Chief Engineers Approval Prior to Grading (ROH 14-14.2(c)(2) and sent to DOH-CWB 30 days prior to start of Construction Activities (HAR §11-55, Appendix C, para. 4(b)((2)(H)



## Construction BMPs (Cont.)

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- *Implement & Maintain by Contractor*
- Immediately stop, reduce, or modify construction, or implement new or revised BMPs as needed (HAR § 11-55, Appendix C para 8)



# Construction BMPs (Cont.)

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- Permittee shall immediately notify DOH-CWB of non-compliance
  - (HAR §11-55, Appendix A, Section 16)
- Permittee shall retain all records and information for a minimum of 5 years (HAR §11-55, Appendix C, para. 13)



## Post Construction BMPs

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- HAR §11-55, Para 4(J)
- Designed by Owner's Engineer
- *Installed by Contractor*
- *Maintained by Separate Contractor*
- *Contract completion prior to end of maintenance period.*



# Permanent Erosion Control BMPs

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“the chief engineer may require the permittee to prepare and submit permanent erosion control BMPs for the control of storm runoff pollutants and erosion after construction has been completed.”

(Revised Ordinance of Honolulu, Sec. 14-14.2  
(c)(4))



# Contractor's Training Course

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- *Require a trained individual on site at all times.*
- *Course taught by a Certified Professional in Erosion & Sediment Control (CPESC)*



# Compliance Inspections

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- *Conducted by Contractor or 3<sup>rd</sup> Party Inspector*
- *Uniform Inspections*
- *Inspector should be qualified (certified)*
- *Credit should be given for immediate corrections*
- *Inspections should be reasonable*



# “Standard of Performance”

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“A standard for the control of the discharge of pollutants which reflects the greatest degree of effluent reduction which the director determines to be achievable through application of the best available demonstrated control technology, processes, operating methods, or other alternatives, including, where practicable, a standard permitting no discharge of pollutants; provided that the standard shall not be less stringent than required under Section 306 of the Act, 33 U.S.C. §1316.”  
(HAR §11-55-01)



## “Maximum Extent Practicable”

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“Economically achievable measures for the control of the addition of pollutants from existing and new categories and classes of nonpoint sources of pollution, which reflect the greatest degree of pollutant reduction achievable through the application of the best available nonpoint source pollution control practices, technologies, processes, siting criteria, operating methods or other alternatives.”

(Revised Ordinances of Honolulu, 14-12.2)



Questions ?