



HDOT Highways Oahu District

Have You Ever Seen the Rain – Intro/Overview of Storm Water Requirements for Construction

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HDOT Construction Storm Water Requirements

- NPDES MS4 Permit – Highways, Oahu District
- Standard Specifications/Special Provisions
- Construction BMP Field Manual
- NPDES Construction Permit
- Stormwater Pollution Prevention Plan (SWPPP)
- Inspections
- Other Environmental Beyond Storm Water



NPDES MS4 Permit



PERMIT NO. HI S000001

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Clean Water Act, as amended,
(33 U.S.C. §1251 et. seq.; the "Act"); Hawaii Revised Statutes, Chapter 342D; and
Hawaii Administrative Rules (HAR), Department of Health (DOH), State of Hawaii,
Chapters 11-54 and 11-55;

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION (DOT-HWYS)**

(PERMITTEE)

is authorized to discharge storm water runoff and certain non-storm water discharges
as identified in Part B.2. of this permit from the DOT-HWYS Municipal Separate Storm
Sewer System (MS4); storm water runoff from the Keehi, Kakaio, Pearl City, Waianae,
and Windward Baseyards; and additional storm sewer outfalls that may be identified
from time to time by the Permittee,

into State Waters in and around the Island of Oahu, Hawaii,

in accordance with the general requirements, discharge monitoring requirements, and
other conditions set forth herein, and in the attached DOH "Standard NPDES Permit
Conditions," that is available on the DOH, Clean Water Branch (CWB) website at
<http://health.hawaii.gov/cwb/site-map/home/standard-npdes-permit-conditions>.


All references to Title 40 of the Code of Federal Regulations (CFR) are to
regulations that are in effect on July 1, 2011, except as otherwise specified. Unless
otherwise specified herein, all terms are defined as provided in the applicable
regulations in Title 40 of the CFR.

This permit became effective on October 28, 2013.

**This major modification (Pages 3, 29, 30, 31, 38, 44, 45, 52, and 55) shall be
effective on April 1, 2016.**

This permit and the authorization to discharge will expire at midnight,
September 26, 2018.

Signed this 27th day of September, 2013.


(For) Director of Health

**FINAL PERMIT
September 27, 2013**

This Page was modified on
January 29, 2016.

Municipal Separate Storm Sewer System (MS4)

*Conveyance or system of conveyances owned by a public entity
designed or used to collect or convey storm water (e.g. storm
drains, pipes, ditches)*

- Highways Division, Oahu District - NPDES MS4 Permit HI S000001
- Effective 10/28/13
- Expired 9/26/18
- Administratively Extended, Draft Permit issued 8/29/19

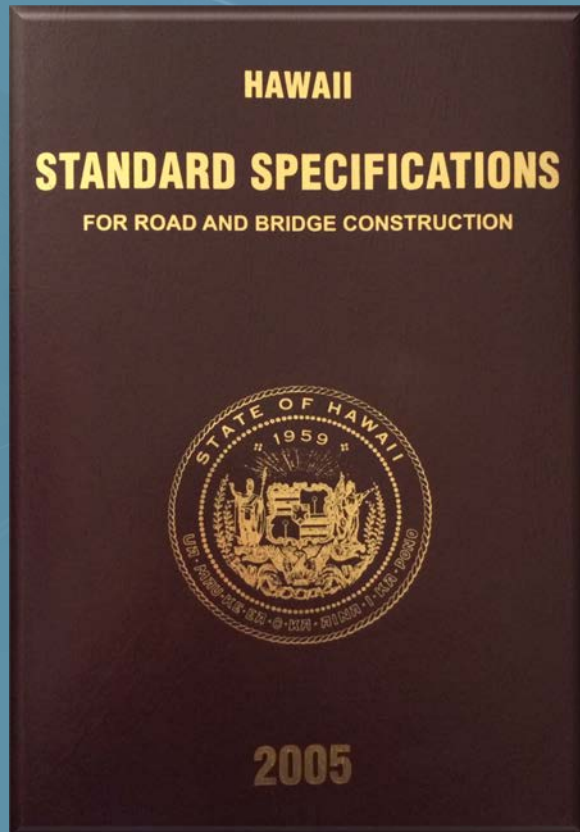
NPDES MS4 Permit

Construction Site Runoff Control Program

- Implement BMPs
- Maintain an inventory of construction projects
- SWPPP development & review
- Verification of NPDES permit coverage
- Inspections – (pre-construction and independent)
- Enforcement Response Plan
- Education & Training



HDOT Standard Specifications/ Special Provisions



2005 Hawaii Standard Specifications for Road and Bridge Construction

- Section 209 – Temporary Water Pollution, Dust, and Erosion Control
- Includes Pre-Construction Requirements
- Includes Construction Requirements

Construction BMP Field Manual

Construction Best Management Practices Field Manual



PROTECT
OUR
WATER
MĀLAMA I KA WAI
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION



State of Hawaii
Department of Transportation
Highways Division

January 2008

- Guidance on BMP installation and maintenance
- Implementation of BMPs is intended to prevent or reduce the discharge of pollutants
- List of BMPs is not exhaustive
- BMPs focused on site management, erosion control and sediment control

NPDES Construction Permit

CHAPTER 11-55 APPENDIX C

NPDES GENERAL PERMIT
AUTHORIZING DISCHARGES OF STORM WATER
ASSOCIATED WITH CONSTRUCTION ACTIVITY

This General Permit is effective on
FEB 9 2019

and expires five years from this date.

1. Coverage under this General Permit

1.1.

This general permit covers discharges composed entirely of storm water runoff associated with construction activities, including, but not limited to, clearing, grading, excavation, and construction support activities that result in the disturbance of one acre or more of total land area. This general permit also covers activities that disturb less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb one acre or more of total land area.

Construction support activities include, but are not limited to, concrete or asphalt batch plants, rock crushing plants, equipment staging yards/areas, material storage areas, excavated material disposal areas, borrow areas, etc. Coverage under this general permit for construction support activities is allowed provided that the support activity is directly related to the construction site required to have permit coverage for storm water discharges; is not a commercial operation, nor does it serve multiple unrelated construction projects; does not continue to operate beyond the completion of the construction activity at the project it supports; and storm water controls are implemented in accordance with this

55-C-1

- Land disturbance ≥ 1 acre or part of a larger common plan of development
- Develop a storm water pollution prevention plan (SWPPP)
- Submit a Notice of Intent (NOI) to DOH-CWB
- Receive Notice of General Permit Coverage (NGPC) from DOH-CWB
- Implement SWPPP

Storm Water Pollution Prevention Plan

A SWPPP is dynamic, just like a construction site. It changes all the time.

- Storm Water Pollution Prevention Plan (SWPPP) – includes the storm water team, site map, discharge points, staging areas, schedule, BMPs, solid waste disclosure, amendments, NOI, NGPC, signature, cut sheets, and more....
- Contractor develops SWPPP
- HDOT reviews SWPPP and provide comments
- Contractor addresses comments
- HDOT accepts SWPPP
- Contractor implements SWPPP

BMP Inspections



- Pre-construction verification
- Weekly
- After .25" rain event
- Independent inspections – monthly/quarterly



Other Environmental Beyond Storm Water

- Solid Waste
- Noise
- Department of Army Permits
- 401 Water Quality Certification
- Historic Preservation
- Endangered Species



HDOT Highways storm water
website:

stormwaterhawaii.com

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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

www.stormwaterhawaii.com

