

HDOT HIGHWAYS OAHU CONSTRUCTION CONTINGENCY PLAN

The HDOT Highways Oahu Construction Contingency Plan will be implemented by HDOT and the General Contractor to prevent and respond to any discharge resulting from a severe storm or natural disaster or from improperly designed or implemented BMP measures. A severe storm is any event that exceeds a 2-year, 24 hour event. It is the General Contractor's responsibility to abide by the following plan as well as any other binding plan, agreement, regulation, rule, law or ordinance applicable. The Contingency Plan defines actions that are required in Preparation for a Storm Event, Following a Storm Event, and when a discharge of pollutants has occurred or is occurring.

Preparation Before Storm

Is there a Storm Approaching? NO Continue to Maintain Accepted BMPs and required monitoring defined in the AMAP WES Monitor for Storm Events Is there Forecast for Storm Event/Advisory/Warning or Alert? YES

SECURE CONSTRUCTION SITE (as applicable)

In-Stream and/or In-Water:

- Remove all equipment, machinery, and construction materials from State Receiving Waters, including streams.
- Cleanup and remove all construction debris from State Receiving Waters.
- Stabilize unstabilized/exposed areas with approved BMPs.
- Look for potential pollutant sources. Engineer will use their discretion as to whether to remove installed BMPs that may become a pollutant source (i.e. silt curtains).
- Inspect all BMPs to verify they are properly installed.

On Land:

- Remove or secure equipment, machinery, construction materials, and portable toilets. If portable toilets are to remain on-site, they shall be pumped the day prior to the event.
- Look for potential pollutant sources, such as uncovered stockpiles and unstabilized areas. Cover or remove stockpiles from site and stabilize unstabilized areas. Implement BMPs to address potential pollutant sources.
- Cleanup all construction debris.
- Stop all scheduled material deliveries.
- Locate and turn off jobsite utilities, including electricity, water and gas.
- Implement all BMPS for materials management, spill prevention, and erosion and sediment control that complies with HAR 11-55, Appendix C.
- To protect human health, the Engineer will use their discretion as to whether to remove BMPs which may impede flow into inlets causing ponding on the roadway. These changes shall be noted and accepted by the Engineer.

Work crews shall finish securing the project site, and evacuate until severe weather conditions has passed.

Inspect and document condition of all BMPs on the day prior to the storm event.

Document by taking color photos with date and time stamp.

After Storm or When the Discharge of Water Pollutants has Occurred or is Occurring

CONDUCT BMP INSPECTION Upon returning to the project site, document BMP Inspection with a BMP Inspection Report, and color photographs with a Date and Time Stamp. POLLUTANTS LEAVING SITE? Is there evidence of pollutants leaving the confined work area or project area, or evidence of pollutants discharging into a storm drain inlet or State Receiving Waters? BMP REPAIR? Implement HDOT DISCHARGE

EVALUATE BMP EFFECTIVENESS

Immediately evaluate the effectiveness of the BMPs and determine whether BMPs need to be modified to prevent pollutants from leaving the site.

YES

FIX BMPS* Immediately make resources available and initiate the repair/re-installation of BMPs on land within 24 hours of BMP Inspection. As weather allows, restore the

accepted in-stream BMPs.

Do BMPs require repair

or re-installation?

AMEND BMP PLAN**

Propose an amendment to the BMPs

for HDOT review and acceptance.
For projects with 401 WQC/Section
404/Section 10 Permits, any
amendment to in-stream BMPs require
submittal and acceptance by
DOH-CWB and as applicable, the
Army Corps of Engineers.

RESPONSE FLOW

CHART

INSTALL ACCEPTED BMP AMENDMENT Install BMPs per Accepted BMPAmendment.

INSPECT AND MAINTAIN BMPS

Conduct BMP Inspections per the frequency indicated in the SWPPP, Contract Documents and Requirements, and applicable environmental permits.

Maintain BMPs to ensure that they are effective in preventing polluted runoff from leaving the project site.

*FIX BMPs

The Contractor shall contract a BMP supplier prior to the initiation of in-water work to have contingency BMP materials readily available and to have the ability to supply them within 24 hours of a severe storm event. The Contractor shall mobilize manpower and equipment to the site immediately upon returning to the site. BMP repair and re-installation shall be initiated immediately.

**AMEND BMP PLAN

Upon returning to the project site after the storm, the Contractor shall immediately assess and document which portions of the BMP Plan need to be modified and require an amendment.

In the event that the in-stream BMPs, or a portion of them, requires an amendment, the BMPs will need to be re-designed. The Contractor shall submit the proposed amended BMPs to HDOT and HDOT will request acceptance from DOH-CWB/ACOE to implement the BMPs. The Contractor shall immediately implement the accepted BMPs to prevent pollutant discharge and discharge of materials from leaving the project site.

HDOT will have the contracted design consultant (as applicable) re-design the BMPs and HDOT will submit to DOH-CWB/ACOE (as applicable) for review and acceptance.