

Construction BMP Plan

CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP) PLAN (FOR SOIL DISTURBANCES OF LESS THAN ONE ACRE OR NO SOIL DISTURBANCE)

PROJECT NAME: _____

CONTRACTOR NAME: _____

DATE: _____

Prepared for:

Port of San Diego
3165 Pacific Highway
San Diego, CA 92101-1128

Note: This Construction BMP Plan must be maintained at the site and available for review upon request by the Port of San Diego and the Regional Water Quality Control Board.



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**PORT OF SAN DIEGO CONSTRUCTION BMP PLAN
PROJECT INFORMATION AND SIGNATURE PAGE**

This Construction BMP Plan shall be effective immediately upon approval of the Port of San Diego (Port) and signature of the Water Pollution Control Manager (WPCM). The person listed as the WPCM shall be responsible for ensuring that the elements of this plan are implemented.

Work Location/Address:

Project Size (including staging area):

Total Area of Disturbed Soil:

Estimated Project Start Date:

Estimated Project Duration:

Detailed Work Description (include any/all work that will be necessary to complete the project):

Project Owner:

Address:

Phone:

Contractor Name:

Address:

Phone:

Email*:

Water Pollution Control Manager (WPCM)¹:

Signature:

Phone:

Email*:

Preparer of Construction BMP Plan:

Signature:

Phone:

Email*:

* Email address may be used to send notice of an upcoming rain event and/or inspection results.

¹Refer to page 21 of this document regarding the role and responsibilities of the WPCM.

Location Map and Water Pollution Control Drawings

Project Location and Water Pollution Control Drawings (WPCDs) are required to include the following elements:

Location Map

- Vicinity map showing major roadways.
- Boundaries of proposed construction activity.
- Construction area shaded.
- Label project site.
- General topography.
- North arrow and scale.

Project Site Map(s)

- Existing and proposed buildings, lots, and roadways.
- An area extending 50' beyond the perimeter of the work area.
- Boundaries of the actual construction site.
- Storm water collection and discharge points.
- Vehicle and equipment parking areas.
- Areas to be used to store soils, construction materials, and wastes, including loading and unloading areas.
- Areas of non-soil disturbing activities with the potential to impact water quality (painting, abrasive blasting, etc.).
- Areas of cut and fill.
- Outlines of all areas of soil disturbance that will be stabilized during the rainy season¹.
- Outlines of all areas of soil disturbance that will not be stabilized during the rainy season.
- Locations of storm water run-on and discharge from the construction site.
- Locations of non-storm water discharge (if recurring and if known).
- Existing graded condition and final graded condition (if the work will alter the existing landform).
- Drainage patterns and slopes of the existing and ultimate graded condition, as appropriate.
- Existing and proposed relevant drainage areas.
- Areas of existing vegetation to be preserved.
- Location of primary site vehicle and equipment entrance and exit points.
- Area(s) to be used for vehicle and equipment fueling and service/maintenance.
- Proposed construction BMPs and where they will be installed.

If one of the above items is not applicable to the project describe below:

¹ The rainy season is defined as October 1 through April 30.

THE CONSTRUCTION BMP PLAN DOCUMENT

The Construction BMP Plan must be retained at the construction site from the date of project initiation to the date of project termination. The Construction BMP Plan should be available at all times to site employees, and to representatives of the San Diego Region Water Quality Control Board (RWQCB), State Water Quality Control Board (SWQCB), United States Environmental Protection Agency (EPA), the Port, and/or local jurisdictional municipality or storm water management agency.

This Construction BMP Plan document is a requirement of the Order No R9-2013-0001 Municipal Stormwater Permit (Municipal Permit), the Port's Jurisdictional Runoff Management Program (JRMP)¹. **Failure to comply with the conditions of the JRMP or failure to implement and maintain the approved Construction BMP Plan or the BMPs described in the approved plan is a violation of the Port's stormwater ordinance; Article 10.**

The contractor is required to maintain a paper or electronic copy of all required records for three years from the date generated or after project completion. These records must be available at the construction site until construction is completed. Any additional permits (e.g., 404 Permit, 401 Certification, Dewatering Permit) obtained by the project are to be attached to this document and available at all times on site.

The contractor is required to amend the Construction BMP Plan and make notes or changes to the water pollution control drawings(s) (WPCD) whenever there is a change in project design, construction, or operations that may have an effect on the potential for discharge of pollutants to surface waters, groundwater, or municipal separate storm sewer systems (MS4). The Construction BMP Plan shall also be amended if the discharger violates any condition of the Municipal Permit or JRMP or has not achieved the general objective of eliminating or minimizing pollutants in storm water discharges. If the contractor is in violation, the Construction BMP Plan should be amended and implemented in a timely manner, but in no case more than 14 calendar days after notification. In addition, the plan must be amended to identify any new contractor and/or subcontractor that will implement a measure of the Construction BMP Plan. All amendments shall be dated and directly attached to the Construction BMP Plan. Each amendment shall be signed by the contractor and logged on Table 1.

Contractor Acknowledgment: _____

¹ The Port of San Diego Jurisdictional Runoff Management Program Document is located on the Port's website at <https://www.portofsandiego.org/>

BEST MANAGEMENT PRACTICES (BMPs)

This section contains a series of BMPs to eliminate or reduce pollutants in storm water runoff and authorized non-storm water discharges from the project site during construction. The Municipal Permit and Article 10 prohibit the discharge of storm water that causes or threatens to cause pollution, contamination or nuisance. It also allows the developer/owner to choose the most economical, effective, and possibly innovative BMPs to reduce or eliminate pollutants in runoff. The BMPs described in this section are designed to meet the Port's JRMP minimum BMP requirements for construction.

BMPs used for this project are indicated by checked boxes (). BMPs are shown on the WPCD where possible.

Erosion and Sediment Control

The project will implement and maintain an effective combination of erosion and sediment control BMPs. The following principles will be followed to the maximum extent practicable to control erosion and sedimentation in disturbed areas at the site:

- Fit grading to the surrounding terrain.
- Time grading operations to minimize soil exposure.
- Retain existing vegetation whenever feasible.
- Vegetate and mulch or otherwise stabilize disturbed areas.
- Minimize the length and steepness of slopes.
- Keep runoff velocities low.
- Prepare drainage ways and outlets to handle concentrated runoff until permanent drainage structures are constructed.
- Trap sediment onsite.
- Inspect and maintain control measures frequently.

Note: Erosion control is a required minimum BMP that must be implemented at all inactive areas of a construction site. An area is considered "inactive" if no construction activity including soil disturbing activities such as clearing, grading, disturbances to ground such as stockpiling and excavation is occurring. An area is also considered inactive if soil disturbing activities had previously occurred but are not scheduled or planned to be re-disturbed for at least 14 days. Disturbed areas of the construction site that will not be re-disturbed will be stabilized by the day after the last disturbance.

Soil Stabilization (Erosion Control)

Soil stabilization, also referred to as erosion control, consists of source control measures that are designed to prevent soil particles from detaching and becoming transported in storm water runoff. Soil stabilization BMPs protect the soil surface by covering and/or binding soil particles. Soil stabilization or erosion control measures are required for projects that anticipate the disturbance of soil on site. If no soil disturbance is anticipated during the project, then these measures are not required.

- No soil will be disturbed as a part of this project, therefore soil stabilization or erosion control measures are not required for this project.

This project will incorporate minimum temporary soil stabilization requirements, temporary soil stabilization measures required by the contract documents, and other measures selected by the Contractor. This project will implement the following practices for effective temporary and final soil stabilization during construction:

- Preserve existing vegetation and hydrologic features where required and when feasible.
- Apply temporary soil stabilization (erosion control) to remaining active and non-active areas. Reapply as necessary to maintain effectiveness.
- Implement temporary soil stabilization measures at regular intervals throughout the defined rainy season to achieve and maintain the contract's disturbed soil area requirements.
- Control erosion in concentrated flow paths by applying erosion control blankets, check dams, erosion control seeding, and lining swales as shown on plans.
- Apply seed to areas deemed substantially complete during the defined rainy season.
- At completion of construction, apply permanent erosion control to all remaining disturbed soil areas as early as feasible and as shown on plans.

Sufficient soil stabilization materials will be maintained onsite to allow implementation in conformance with this Construction BMP Plan. This includes implementation requirements for active and non-active areas that require deployment before the onset of rain.

The following soil stabilization BMP consideration checklist indicates the BMPs that will be implemented to control erosion on the construction site.

Table A-1 TEMPORARY EROSION CONTROL BMPs					
BMP No.	BMP	BMP MINIMUM REQUIREMENT	CHECK IF USED	DESCRIBE WHERE AND HOW THE BMP WILL BE USED OR DESCRIBE WHY BMP WAS NOT SELECTED	CONSTRUCTION PHASE⁽²⁾
EC-1	Scheduling	✓	<input type="checkbox"/>		
EC-2	Preservation of Existing Vegetation	✓	<input type="checkbox"/>		
None	Minimize exposure time of DSA	✓ ⁽¹⁾			
EC-3	Hydraulic Mulch	✓ ⁽¹⁾	<input type="checkbox"/>		
SS-4	Hydroseeding	✓ ⁽¹⁾	<input type="checkbox"/>		
EC-5	Soil Binder	✓ ⁽¹⁾	<input type="checkbox"/>		
EC-6	Straw Mulch	✓ ⁽¹⁾	<input type="checkbox"/>		
EC-7	Geotextiles, Plastic Covers, & Erosion Control Blankets/Mats	✓ ⁽¹⁾	<input type="checkbox"/>		
EC-8	Wood Mulching	✓ ⁽¹⁾	<input type="checkbox"/>		
EC-15	Soil Preparation/ Roughening	✓ ⁽¹⁾	<input type="checkbox"/>		
	Other		<input type="checkbox"/>		
	Other		<input type="checkbox"/>		

- (1) The Contractor shall select one of the measures listed or a combination thereof to achieve and maintain the contract's disturbed soil area (DSA) protection requirements.
- (2) Provide the phase of construction (e.g., demo, grading) for which the BMP will be implemented. Dates the BMP will be implemented can also be used.

Implementation of Soil Stabilization BMPs

BMPs will be deployed in a sequence to follow the progress of grading and construction. As the locations of soil disturbance change, erosion and sedimentation controls will be adjusted accordingly to control storm water runoff at the downgrade perimeter and drain inlets. BMPs will be mobilized as follows:

Year-round:

- The WPCM will monitor weather using National Weather Service reports to track conditions and alert crews to the onset of rainfall events.

During the rainy season:

- Disturbed soil areas (DSAs) will be stabilized with temporary or permanent soil stabilization (erosion control) before rain events.
- Disturbed soil areas that are substantially complete will be stabilized with permanent soil stabilization (erosion control) and vegetation (if within seeding window for seed establishment).
- Prior to forecasted storm events, temporary soil stabilization BMPs will be deployed and inspected.

During the non-rainy season:

- The project schedule will sequence construction activities with the installation of both soil stabilization and sediment control measures. The construction schedule will be arranged as much as practicable to leave existing vegetation undisturbed until immediately prior to grading.

Sediment Control

Sediment controls are structural measures that are intended to complement and enhance the soil stabilization (erosion control) measures and reduce sediment discharges from construction areas. Sediment controls are designed to intercept and settle soil particles that have been detached and transported by the force of water. This project will incorporate minimum temporary sediment control requirements, temporary sediment control measures required by the contract documents, and other measures selected by the Contractor.

- No soil will be disturbed as a part of this project, therefore sediment control measures are not required for this project.

Sediment control BMPs will be installed at all appropriate locations along the site perimeter and at all operational internal inlets to the storm drain system at all times during the rainy season. During the nonrainy season, adequate sediment control materials will be available to control sediment discharges at the downgrade perimeter and operational inlets in the event of a predicted storm.

Temporary sediment control materials, equivalent to 10% of the installed quantities on the site during the rainy and non-rainy seasons will be maintained onsite throughout the duration of the project to allow implementation of temporary sediment controls in event of predicted rain, rapid response to failures or emergencies, and as described in the Construction BMP Plan. This includes implementation requirements for active areas and non-active areas before the onset of rain.

Prior to the opening of new DSA in the rainy season, additional temporary sediment control materials necessary to protect this DSA will be stored onsite.

The following sediment control BMP consideration checklist indicates the BMPs that will be implemented to control sediment on the construction site.

Table A-2 TEMPORARY SEDIMENT CONTROL BMPs					
BMP No.	BMP	BMP MINIMUM REQUIREMENT	CHECK IF USED	DESCRIBE WHERE AND HOW THE BMP WILL BE USED OR DESCRIBE WHY BMP WAS NOT SELECTED	CONSTRUCTION PHASE⁽²⁾
SE-1	Silt Fence	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-2	Sediment Basin	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-3	Sediment Trap	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-4	Check Dam	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-5	Fiber Rolls	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-6	Gravel Bag Berm	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-7	Street Sweeping and Vacuuming	✓	<input type="checkbox"/>		
SE-8	Sandbag Barrier	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-13	Compost socks and Berms	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-10	Storm Drain Inlet Protection	✓	<input type="checkbox"/>		

- (1) The Contractor shall select one of the measures listed or a combination thereof to achieve and maintain the contract's disturbed soil area (DSA) protection requirements.
- (2) Provide the phase of construction (e.g., demo, grading) for which the BMP will be implemented. Dates the BMP will be implemented can also be used.

Implementation of Temporary Sediment Controls

- During the rainy season, temporary sediment controls will be implemented at the draining perimeter of disturbed soil areas, at the toe of slopes, at storm drain inlets and at outfall areas at all times.
- During the non-rainy season, temporary sediment controls will be implemented at the draining perimeter of disturbed soil areas and at the storm drain downstream from disturbed areas before rain events.
- Sediment controls will be deployed along the toe of exterior slopes to settle out sediment from storm water runoff.
- Storm drain inlet protection will be used at all operational internal inlets to the storm drain system during the rainy season.
- During the non-rainy season, in the event of a predicted storm, temporary sediment control materials will be maintained onsite.

Tracking Control

The following tracking control BMP consideration checklist indicates the BMPs that will be implemented to reduce sediment tracking from the construction site onto private or public roads.

Table A-3 TEMPORARY TRACKING CONTROL BMPs					
BMP No.	BMP	BMP MINIMUM REQUIREMENT	CHECK IF USED	DESCRIBE WHERE AND HOW THE BMP WILL BE USED OR DESCRIBE WHY BMP WAS NOT SELECTED	CONSTRUCTION PHASE ⁽²⁾
TC-1	Stabilized Construction Entrance/Exit	✓ ⁽¹⁾	<input type="checkbox"/>		
TC-2	Stabilized Construction Roadway	✓ ⁽¹⁾	<input type="checkbox"/>		
TC-3	Entrance/Outlet Tire Wash	✓ ⁽¹⁾	<input type="checkbox"/>		
SC-7	Street Sweeping and Vacuuming	✓	<input type="checkbox"/>		

(1) The Contractor shall select one of the measures listed or a combination thereof to achieve and maintain the contract's disturbed soil area (DSA) protection requirements.

(2) Provide the phase of construction (e.g., demo, grading) for which the BMP will be implemented. Dates the BMP will be implemented can also be used.

Wind Erosion Control BMPs

The following wind erosion control BMP consideration checklist indicates the BMPs that will be implemented to control wind erosion on the construction site.

Table A-4 TEMPORARY WIND EROSION CONTROL BMPs					
BMP No.	BMP	BMP MINIMUM REQUIREMENT	CHECK IF USED	DESCRIBE WHERE AND HOW THE BMP WILL BE USED OR DESCRIBE WHY BMP WAS NOT SELECTED	CONSTRUCTION PHASE⁽²⁾
WE-1	Wind Erosion Control	✓	<input type="checkbox"/>		
TC-1	Stabilized Construction Entrance/Exit	✓ ⁽¹⁾	<input type="checkbox"/>		
TC-2	Stabilized Construction Roadway	✓ ⁽¹⁾	<input type="checkbox"/>		
SE-7	Street Sweeping and Vacuuming	✓	<input type="checkbox"/>		
EC-3	Hydraulic Mulch		<input type="checkbox"/>		
EC-5	Soil Binder		<input type="checkbox"/>		
EC-6	Straw Mulch		<input type="checkbox"/>		
EC-7	Geotextiles, Plastic Covers, & Erosion Control Blankets/Mats		<input type="checkbox"/>		
EC-8	Wood Mulch		<input type="checkbox"/>		
WM-3	Stockpile Management ⁽³⁾		<input type="checkbox"/>		

- (1) The Contractor shall select one of the measures listed or a combination thereof to achieve and maintain the contract's disturbed soil area (DSA) protection requirements.
- (2) Provide the phase of construction (e.g., demo, grading) for which the BMP will be implemented. Dates the BMP will be implemented can also be used.
- (3) See additional BMP requirements for stockpile management under Waste Management and Materials Pollution Control BMPs below.

(4) Non-Storm Water Management BMPs

The following BMP consideration checklist indicates the BMPs that have been selected to control non-storm water pollution on the construction site.

Table A-5 NON-STORM WATER MANAGEMENT BMPs					
BMP No.	BMP	BMP MINIMUM REQUIREMENT	CHECK IF USED	DESCRIBE WHERE AND HOW THE BMP WILL BE USED OR DESCRIBE WHY BMP WAS NOT SELECTED	CONSTRUCTION PHASE ⁽²⁾
NS-1	Water Conservation Practices	✓ ⁽¹⁾	<input type="checkbox"/>		
NS-2	Dewatering Operations		<input type="checkbox"/>		
NS-3	Paving and Grinding Operations	✓ ⁽¹⁾	<input type="checkbox"/>		
NS-5	Clear Water Diversion		<input type="checkbox"/>		
NS-6	Illicit Discharge/Illegal Dumping Reporting	✓ ⁽³⁾	<input type="checkbox"/>		
NS-7	Potable Water/Irrigation	✓ ⁽¹⁾	<input type="checkbox"/>		
NS-8	Vehicle and Equipment Cleaning	✓ ⁽³⁾	<input type="checkbox"/>		
NS-9	Vehicle and Equipment Fueling	✓	<input type="checkbox"/>		
NS-10	Vehicle and Equipment Maintenance	✓	<input type="checkbox"/>		
NS-11	Pile Driving Operations		<input type="checkbox"/>		
NS-12	Concrete Curing		<input type="checkbox"/>		
NS-13	Material and Equipment Use Over Water		<input type="checkbox"/>		
NS-14	Concrete Finishing		<input type="checkbox"/>		
NS-15	Structure Demolition/Removal Over or Adjacent to Water		<input type="checkbox"/>		
	other				

- (1) The Contractor shall select one of the measures listed or a combination thereof to achieve and maintain the contract's disturbed soil area (DSA) protection requirements.
- (2) Provide the phase of construction (e.g., demo, grading) for which the BMP will be implemented. Dates the BMP will be implemented can also be used.
- (3) Failure to implement WQIP BMPs which target priority pollutants including metals, trash and bacteria will result in an automatic administrative citation.

Over Water Work

Tarps or other containment will be used by the Contractor for any work conducted over water with the potential to impact water quality (painting, blasting, construction, maintenance, etc.). Refer to BMPs NS-13 and NS-15 in Table A-5.

Waste Management and Materials Pollution Control BMPs

The following BMP consideration checklist indicates the BMPs that have been selected to control construction site wastes and materials.

Table A-6 WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs					
BMP No.	BMP	BMP MINIMUM REQUIREMENT	CHECK IF USED	DESCRIBE WHERE AND HOW THE BMP WILL BE USED OR DESCRIBE WHY BMP WAS NOT SELECTED	CONSTRUCTION PHASE⁽³⁾
WM-1	Material Delivery and Storage In addition, all stockpiles of treated lumber must be covered during the rainy season	✓	<input type="checkbox"/>		
WM-2	Material Use	✓ ⁽⁴⁾	<input type="checkbox"/>		
WM-3	Stockpile Management ⁽⁵⁾	✓	<input type="checkbox"/>		
WM-4	Spill Prevention and Control	✓ ⁽⁴⁾	<input type="checkbox"/>		
WM-5 ¹	Solid Waste Management	✓ ⁽⁴⁾	<input type="checkbox"/>		
WM-6 ¹	Hazardous Waste Management	✓ ^{(2) (4)}	<input type="checkbox"/>		
WM-7 ¹	Contaminated Soil Management	✓ ^{(2) (4)}	<input type="checkbox"/>		
WM-8 ¹	Concrete Waste Management	✓ ⁽²⁾	<input type="checkbox"/>		
WM-9 ¹	Sanitary/Septic Waste Management	✓ ⁽⁴⁾	<input type="checkbox"/>		
WM-10 ¹	Liquid Waste Management		<input type="checkbox"/>		
PO-18	Cover stockpiles of treated lumber during wet weather	✓ ⁽⁴⁾	<input type="checkbox"/>		

- (1) In the narrative description of Waste Management BMPs (WM-5 through WM-10), a list of waste disposal facilities and type of waste to be disposed at each facility should be provided.
- (2) The Contractor shall select one of the measures listed or a combination thereof to achieve and maintain the contract's disturbed soil area (DSA) protection requirements.
- (3) Provide the phase of construction (e.g., demo, grading) for which the BMP will be implemented. Dates the BMP will be implemented can also be used.

- (4) Failure to implement WQIP BMPs which target priority pollutants including metals, trash and bacteria will result in an automatic administrative citation.
- (5) The following BMPs are required when implementing stockpiles during construction:
 - Stockpiles must be protected to prevent discharge of sediment or other pollutants beyond the immediate area of the stockpile and offsite either by transport via wind or water.
 - All stockpiles must be stabilized at the end of each day. In addition, all stockpiles must be bermed (i.e. perimeter controls) at the end of each day.
 - Stockpiles in the right-of-way must be stabilized with an erosion control product and bermed (i.e. perimeter control) at the end of each day.
 - All stockpiles must be stabilized with an erosion control product and bermed (i.e. perimeter control) prior to rain.
 - For stockpiles where only a portion (or “face”) is actively being used, the remaining inactive portion (or faces) must be designated on the site map and stabilized with an erosion control product and bermed at all times. Active faces must be bermed and stabilized at the end of each day and prior to rain as described above in notes 3 and 4.
 - Stockpile perimeter controls must be inspected on a daily basis by the Contractor for sediment accumulation. Sediment accumulation must be removed when sediment reaches 1/3 of BMP height and prior to a rain event. For perimeter controls within the right-of-way, sediment accumulation must be removed daily and prior to rain event.
 - All stockpiles must be placed at least 18 inches from the curb face and are prohibited where they obstruct flow including storm drain inlets and drainage ditches.

Spill Prevention and Control

All sewage or petroleum spills that enter a storm drain and are not fully contained, and/or reach San Diego Bay, or spills 5 gallons or greater of potentially hazardous materials, and/or any spill of hazardous material of Federal Reportable Quantity (as established under 40 CFR Parts 110, 117, or 302), shall be documented in Table A-7 and the WPCM shall notify Port Planning and Green Port Department (619-686-6254) within 48 hours who will notify the National Response Center by telephone at (800) 424-8802, if appropriate. Additionally, the WPCM will notify the Coast Guard (619-295-3121) of any petroleum spill that reaches San Diego Bay, or the County of San Diego Department of Environmental Health (619-338-2222) of any sewage spill that reaches San Diego Bay or any waters of the state.

Table A-7 CONSTRUCTION BMP PLAN REPORTABLE QUANTITY RELEASES

This table will be completed for any release of petroleum products or sewage that enters a storm drain and are not fully contained and/or reach a receiving water body; any release 5 gallons or greater of potentially hazardous material, and/or any Reportable Quantity spill of hazardous materials (as established under 40 CFR Part 110¹, 40 CFR Part 117², or 40 CFR 302³) that occurs on site.

1. 40 CFR Part 110 addresses the discharge of oil in such quantities as may be harmful pursuant to Section 311(b)(4) of the Clean Water Act.
2. 40 CFR Part 117 addresses the determination of such quantities of hazardous substances that may be harmful pursuant to Section 311(b)(3) of the Clean Water Act.
3. 40 CFR Part 302 addresses the designation, reportable quantities, and notification requirements for the release of substances designated under Section 311(b)(2)(A) of the Clean Water Act.
4. Copies of the above regulations are available by contacting the Port of San Diego (619-686-6254).

Date of Spill	Material Spilled	Approximate Quantity	Agencies Notified	Date Notified

Non-Compliance

The minimum BMPs are required to ensure a reduction of potential pollutants from the project site to the MEP. These BMPs also ensure that all construction and grading activities are in compliance with applicable Port ordinances and other environmental laws.

Sites are considered non-compliant if one or more violations are discovered at a site. If an incident or practice of non-compliance occurs, Port Planning and Green Port staff will then determine if the incident poses a threat to human or environmental health by considering the following criteria:

- Characteristics, quantity, and toxicity of substances/materials involved;
- Proximity of site to a sensitive water body (San Diego Bay or its tributaries);
- Proximity of site to a 303(d) listed impaired water body (San Diego Bay, Chollas Creek);
- Proximity of site to a sensitive habitat/endangered species;
- Estimated volume of actual and/or potential discharge; and
- Discharges to storm drain and condition of storm drain (clog, etc.).

Reporting of any non-compliance issues are required to be documented in the project Construction BMP Plan. An example non-compliance documentation form is located in Appendix B of this Construction BMP Plan.

1

BEST MANAGEMENT PRACTICE (BMP) IMPLEMENTATION RECORD

The dates that selected BMPs are implemented, along with the contractor or other party responsible for installation, are listed below.

CONSTRUCTION START DATE: _____
(Rainy season is October 1 to May 30)

Best Management Practices Implemented	Responsible Party	Date Implemented	Installed Prior to Construction Start ⁽¹⁾
Erosion And Sediment Controls			
Drainage Controls			
Wind Erosion Controls			
Tracking Controls			
Non-Storm Water Controls			

⁽¹⁾ Place a check in the right-hand column to indicate which BMPs will be implemented prior to the start of construction (e.g. perimeter sediment controls)

INSTRUCTIONS FOR COMPLETION OF THE BMP INSPECTION AND REPORTING (FORM 2)

The following BMP inspection and reporting procedures shall be followed:

1. The WPCM shall inspect BMPs implemented under the Port Construction BMP Plan at varying intervals based upon the likelihood of precipitation. During the rainy season, the Contractor shall conduct weekly BMP inspections. During the dry season², the Contractor shall conduct monthly BMP inspections. When precipitation is eminent, the Contractor shall inspect BMPs just prior to, during and after storms. Care should be taken during inclement weather to ensure the safety of inspection personnel.
2. Only the WPCM or qualified persons may conduct the inspections. The inspections are intended to ensure the proper installation of BMPs and identify the effectiveness of the BMPs in minimizing the effects of storm water runoff. The inspections are also intended to indicate repairs, maintenance requirements, or design changes that need to be implemented as soon as field conditions permit.
3. As part of the inspections, the WPCM shall note and make recommendations to eliminate or control non-storm water flows from irrigation, construction water application or other uses of water on the site.
4. The Contractor shall include a copy of the WPCD which is included as part of the Construction BMP Plan. The manager shall make notes and sketches on this copy that indicate any required changes to BMPs, failures of BMPs, locations of soil erosion, changes in drainage patterns and locations, and sites for additional BMPs.
5. Contractor shall file BMP Inspection Records and maps on site during the length of the construction project. The Contractor shall make available the BMP Inspection Records and maps for review by the Port staff upon request.

² The dry season is defined as May 1 through September 30.

2

BEST MANAGEMENT PRACTICE (BMP) INSPECTION REPORT

INSPECTION TYPE: Routine Weekly/Monthly Pre-Rain During Rain Post Rain

DATE: _____ FOR WEEK ENDING: _____

WEATHER: _____ STORM START TIME: _____ STORM DURATION: _____

TIME ELAPSED SINCE LAST STORM: _____

INSPECTED BY: _____
(print name) (title)

(signature)

Check "Yes," "No" or "N/A" if not applicable.

NO.	DESCRIPTION	YES	NO*	N/A
1	Are sediment controls in place at site perimeter and storm drain inlets, including offsite tracking controls?			
2	Are all discharge points free of any noticeable pollutant discharges?			
3	Is sediment, debris, or mud being cleaned from public roads where they intersect with site access roads?			
4	Are all temporary stockpiles or construction materials located in approved areas and protected from erosion?			
5	Are dust control measures being appropriately implemented?			
6	Are all materials and equipment properly covered?			
7	Are all <u>material</u> handling and storage areas clean and free of spills, leaks, or other deleterious materials?			
8	Are all hazardous materials properly stored in bermed, covered area, and free of spills, leaks, or other deleterious materials?			
9	Are all <u>equipment</u> storage and maintenance areas clean and free of spills, leaks, or any other deleterious materials?			
10	Are all on-site traffic routes, parking, and storage of equipment and supplies restricted to designated areas?			
11	Are all sediment traps, barriers, and basins clean and functioning properly?			
12	Are all erosion control devices in-place and functioning in accordance with the erosion control plan?			
13	Are all exposed slopes protected from erosion through the implementation of acceptable soil stabilization practices?			
14	Are stockpiles of treated lumber protected from wet weather?			
15	Other? (explain below)			

** If any answer is "no," describe needed correction(s) below. Indicate the location of needed correction(s), along with the date corrections are made, on attached maps.*

Training and WPCM Responsibilities

The Construction BMP Plan must include procedures to ensure that all personnel implement the Construction BMP Plan and that trained personnel perform the inspections. When properly trained, site personnel are more capable of managing materials properly, preventing spills, and implementing BMPs efficiently and correctly.

The Contractor shall designate a WPCM who shall be the primary contact for issues related to the Construction BMP Plan or its implementation. The WPCM is responsible for Construction BMP Plan modifications and amendments, and is responsible for the implementation and adequate functioning of various water pollution control practices employed. Specifically, the WPCM is responsible for the following tasks unless his/her designee is approved by the Port:

- Responsible for overall Construction BMP Plan implementation, ensuring that materials and manpower are made available for the successful maintenance of all erosion and sediment control and other BMPs specified in the Construction BMP Plan.
- Responsible for maintaining an up-to-date copy of this Construction BMP Plan onsite at all times, from commencement of construction to final site stabilization.
- Responsible for making a copy of the Construction BMP Plan available for inspection by outside authorized regulatory authorities upon request.
- Ensuring the new Contractors/subcontractors are made aware of their responsibilities in this Construction BMP Plan.
- Responsible for ensuring that field engineering activities are planned and conducted in accordance with the Construction BMP Plan.
- Responsible for directing ongoing regular BMP maintenance activities (e.g., silt fence repair, damaged gravel bag replacement, sediment removal in retention basin, timely waste disposal, etc.).
- Responsible for implementing and overseeing necessary corrective actions to the erosion/sediment control devices and other BMPs.
- Responsible for maintaining all site records pertaining to inspection and maintenance of erosion and sediment controls and other BMPs as well as records detailing the dates on which major construction activities began and were completed.
- Responsible for conducting Environmental Awareness Training for site personnel (including subcontractor personnel). This involves increasing awareness of the need to comply with Construction BMP Plan which includes: minimizing sediment in storm water discharges off-site as well as keeping a clean site and minimizing the potential for construction materials and wastes from entering storm water discharges. Required documentation of training will be recorded on Form 3 of this Construction BMP Plan and kept on site.
- Responsible for conducting regular documented inspections of erosion and sediment control devices and other BMPs contained in this Construction BMP Plan. Required documentation of the inspections will be kept on site.

- Responsible for conducting regular site environmental inspections and noting the conditions of those areas onsite that have the potential to result in pollution of storm water. Required documentation of the inspections and any corrective actions will be kept on site.
- Responsible for acting as the site spill coordinator to document spills, direct clean-up activities, minimize impact to storm water, and ensure that the proper reporting, if necessary, is completed.
- Responsible for ensuring that all subcontractors involved with construction activities, which may potentially affect storm water quality at the site, are made aware of, and their contracts reflect that they must comply with the applicable provisions of this Construction BMP Plan.

It is recommended that the WPCM have certified formal storm water management training, certification as a certified erosion, sediment and storm water inspector, or certification as a Certified Professional in Erosion and Sediment Control (CPESC). Credentials of the WPCM shall be included in the CONSTRUCTION BMP PLAN. WPCMs that have not received formal training must arrange for a tailgate meeting with the Port stormwater inspector to be held within the first 5 days of the project start, to go over expectations and requirements for implementing the SWPPP.

Personnel shall be trained in the components and goals of the Construction BMP Plan. Specifically, employees of the Contractor and any subcontractors working on the construction site shall be informed of the goals of the storm water pollution prevention plan at a training meeting prior to commencing construction activities. The training meeting shall cover basic storm water information as well as the specific requirements of the General Construction Permit. Specifically, the meeting will focus on implementation, inspection, and maintenance of storm water BMPs.

Employees responsible for implementing, inspecting, maintaining, or repairing storm water BMPs will receive copies of relevant portions of the Construction BMP Plan. The Contractor shall train all new employees and subcontractors before they will be permitted to work on the site. For projects that start during the dry season, refresher sessions on storm water pollution control will be conducted prior to the wet season. Additional training will be provided as necessary based on site inspections and evidence of storm water quality problems.

All training must be documented in the Construction BMP Plan document (Form 3) and documentation records should be kept for at least three years from the date generated or after project completion.

Appendix A

BMPs Selected for Project

Appendix B

Non-Compliance Form

NON-COMPLIANCE REPORT

Dischargers who cannot certify compliance with the permit and/or who have had other instances of non-compliance, excluding exceedances of water quality standards, shall notify the Port within 30 days.

Inspector Name:	
Inspector Phone Number:	
Non-Compliance Identification Date:	

Description of Non-Compliance:
Initial assessment of any impact caused by the non-compliance:
Actions required to achieve compliance:
Time schedule of remediation activities:
When compliance will be achieved: