

Cannabis Regulatory Program
San Francisco Bay Regional Water Quality Control Board
Site Management Plan Template

May 1, 2019, Version

County:		Tier:	
Operation Name:		Risk:	
Site Name:		Disturbed Area (ft²):	
Site Address:		Cultivation Area (ft²):	
APN(s):		Cumulative Disturbed Area (ft²)*:	
Application ID #:		Cumulative Cultivation Area (ft²)*:	
WDID #:			

**For sites with multiple enrollments on the same property, or for adjacent sites with the same ownership, report the combined disturbed area and cultivation area of all cannabis cultivation on the property/properties. If this does not apply, leave this section blank.*

This Site Management Plan template may be used to satisfy the Site Management Plan requirements of the Cannabis General Order. All Tier 1 and Tier 2 Dischargers must submit a Site Management Plan to the Regional Water Board that describes how a cultivator is implementing the best practical treatment or control (BPTC) measures listed in Attachment A of the Cannabis General Order.

Fill out the form electronically, save as a PDF file, and email the completed PDF along with maps and photos to sanfranciscobay.cannabis@waterboards.ca.gov. If the sections below do not provide enough space, you may attach additional pages. Please do not submit forms that have been printed and scanned.

If applicable, please refer to Attachment D of the General Order for further technical report guidance on preparing Site Erosion and Sediment Control Plans, Nitrogen Management Plans, Disturbed Area Stabilization Plans, and Site Closure Reports.

1. Site Characteristics

A. Site Map

Attach a map of the site. The map should contain the following features with labels:

- Access roads
- Vehicle parking areas
- Streams
- Stream crossings
- Cultivation site(s)
- Disturbed areas
- Buildings
- Other site features that are referenced in this plan (e.g., BPTC measures, pesticide/ fertilizer storage, trash/refuse storage, etc.)
- erosion prevention BPTC measures (1.2.1.1)
- sediment control BPTC measures (1.2.2.1)
- storage locations of pesticides (2.2)
- storage locations of petroleum products (3.2)
- trash/refuse storage locations (4.1.1)
- domestic wastewater treatment, storage, or disposal area (4.2.2.3.1)

The map should also include:

- A legend
- A north arrow
- A scale bar
- Topographic lines

B. Access Road Conditions

a. What is the road surface type(s)? Check all that apply.

- Asphalt Gravel Dirt Concrete Other (describe): _____

b. Is there evidence of erosion of the access roads, such as gullies or rills? If yes, describe current conditions and how they will be remediated in the space below.

c. Does any portion of the access road(s) act as a conveyance for water? If yes, describe in the space below.

d. What is the estimated vehicle traffic on these roads?

Commuter vehicles: _____ per Choose an item.

Commercial vehicles: _____ per Choose an item.

Heavy equipment: _____ per Choose an item.

Other: _____ per Choose an item.

e. How is storm water drained from the roads? Check all that apply. Refer to *The Handbook for Forest Ranch and Rural Roads* for information on the methods listed below. (Available at <http://www.pacificwatershed.com/PWA-publications-library>.)

Crowned Out slope Armored ditch Culverts Rolling dips Other (describe below):

f. Describe the number, spacing, and discharge location of water drainage features.

g. Select the erosion control and sediment capture measures used on the access roads and water drainage features. Check all that apply.

Erosion Control Measures

- Erosion control blankets Geotextiles Straw mulch Hydromulch Wood mulch
 Vegetation preservation Vegetation planting Hydroseeding Vegetated channels
 Check dams Other: _____

Sediment Capture Measures

- Fiber Rolls Silt fences Other: _____

Describe the selected measures in the space below:

h. What activities are done to maintain the roads? What activities are done to maintain erosion control measures? What is the maintenance schedule?

C. Streams

a. Do you have any streams, drainages, or channels on or adjacent to your property?

Yes No

b. If applicable, provide the name(s) of the stream(s). One resource that you can use to locate waterbody names is the National Map of the United States Geological Survey: <https://viewer.nationalmap.gov/advanced-viewer/> (click "Layer List" in the top bar and select the "National Hydrography Dataset" layer). If the stream, drainage, or channel doesn't have a name, write "Unnamed Stream":

c. If there is a stream, what is the distance between the edge of the stream bank and the edge of the disturbed area at the closest point? How did you take this measurement?

_____ feet Measurement method: _____

d. Does the site have any stream crossings?

Yes No

e. If yes, what types of crossings are they? If there are multiple crossings, check all that apply.

Bridge Culvert Low water Other (describe): _____

f. If yes, was the crossing designed by a Qualified Professional (e.g. licensed engineer)?

Yes No

g. Provide a description of all stream crossings, including who designed them, number of crossings, material, size, frequency of use, and any other relevant details. Indicate the location of stream crossings on your site map. Attach photos of all stream crossings and cross-sectional areas of all engineered flow conveyances (e.g., culverts and ditches) used at crossings.

2. Sediment Erosion Prevention and Sediment Capture

If you are classified as moderate or high risk and are submitting a Site Erosion and Sediment Control Plan that includes the following information, you may skip this section.

A. Erosion Prevention BPTC Measures

On your site map, indicate the location of erosion prevention BPTC measures described below. Describe erosion prevention BPTC measures around all disturbed areas and features. Include BPTC measures implemented to address erosion resulting from storm water runoff from impervious surfaces, including but not limited to parking lots and roofs of greenhouses, warehouses, or storage facilities. Attach photos documenting implemented measures and locations for planned implementation.

a. How is storm water drained from buildings, greenhouses, and other structures? How are storm water conveyance systems monitored and maintained to protect water quality?

b. What physical BPTC measures have been implemented to prevent or limit erosion? Check all that apply.

- Straw mulch Wood mulch Hydromulch Plastic covers Slope stabilization Soil binders
 Erosion control blankets Geotextiles Culvert outfall armoring Other: _____

Describe the physical BPTC measures checked above, including when they are used and where they are placed:

c. What biological BPTC measures have been implemented to prevent or limit erosion? (e.g., vegetation preservation/replacement, hydroseeding, etc.)? Check all that apply.

- Vegetation preservation Vegetation planting Hydroseeding Other: _____

Describe the biological BPTC measures checked above, including when they are used and where they are employed.

B. Sediment Control BPTC Measures

On your site map, indicate the location of sediment control BPTC measures described below. Describe sediment control BPTC measures around all disturbed areas and features. Attach photos documenting implemented measures and locations for planned implementation.

a. What physical BPTC measures have been implemented to capture sediment that has been eroded? Check all that apply.

Silt fences Fiber rolls Settling ponds/areas Other: _____

Describe the physical BPTC measures checked above, including when they are used and where they are placed.

b. What biological BPTC measures have been implemented to capture sediment that has been eroded? Check all that apply.

Vegetated outfalls Other: _____

Describe the biological BPTC measures checked above, including when they are used and where they are employed.

C. Maintenance Activities- Erosion Prevention and Sediment Control

a. How will erosion prevention BPTC measures, sediment control BPTC measures, and stormwater conveyance systems be monitored and maintained to protect water quality? Describe all required maintenance tasks and a schedule for implementation.

b. How will captured sediment be handled? Check all that apply.

- Stabilized in place Excavated and stabilized on site Removed from the site

Describe the procedure for handling captured sediment below:

B. Product Storage Location

a. Do you use secondary containment* for the storage of fertilizers, pesticides, herbicides, and rodenticides?

Yes No

**Secondary containment is a passive system that captures substances in the event of a spill/failure and prevents their discharge to the environment.*

Describe your secondary containment:

b. Where are products stored onsite? Indicate the storage location on your site map.

c. Describe your storage location.

C. Bulk Fertilizers and Chemical Concentrates

a. How are empty containers disposed of for each product?

D. Spill Prevention and Cleanup Plan

a. What procedures are in place to prevent spills of fertilizers, pesticides, herbicides, and rodenticides?

b. What procedures are in place to clean up spills if they occur?

4. Petroleum Product BPTC Measures

A. Product List

In the sections below, list all products used and describe how they are delivered to the site, how they are stored, and how they are used at the site. Also describe how products will be removed from the site or stored to prevent discharge if they are not consumed before the winter season.

<i>Product Name</i>	<i>Product Description and Delivery</i>

B. Product Storage Location

a. Do you use secondary containment for the storage of petroleum products, separate from the storage area for fertilizers, pesticides, herbicides, and rodenticides?

Yes No

b. Where are products stored on site? Indicate the storage location on your site map.

c. Describe your storage location.

C. Product Use

a. How are empty containers disposed of for each product?

D. Spill Prevention and Cleanup Plan

a. What procedures are in place to prevent spills of petroleum products?

b. What procedures are in place to clean up spills if they occur?

5. Trash/Refuse, and Domestic Wastewater BPTC Measures

A. Type of Trash/Refuse

a. What types of trash/refuse will be generated at the site? Include a description of all solid waste materials (e.g., spent hydroponic growing media, organic materials, plastic, paper, glass, clay, etc.)?

b. How will trash/refuse be contained and properly disposed of?

B. Personal Waste

a. How many employees, visitors, and residents will you have at the site?

Employees: _____ per **Choose an item.**

Residents: _____ per **Choose an item.**

Visitors: _____ per **Choose an item.**

b. What types of domestic wastewater will be generated at the site? Check all that apply.

Household generated wastewater Chemical toilet waste Other: _____

c. How will domestic wastewater be disposed? Check all that apply.

Sewer

Permitted onsite wastewater treatment system (e.g., septic tank and leach lines) Provide a schematic and a copy of your permit for the system.

Chemical toilets or holding tank. If so, provide the name of the servicing company and frequency of service:

Outhouse, pit privy, or similar. (Use of this alternative requires approval from the Regional Board Executive Officer. Attach the approval from the Executive Officer and any conditions imposed if using this alternative. Indicate the location of any domestic wastewater treatment, storage, or disposal areas on your site map, as well as the locations of all water wells (e.g., drinking water, irrigation water, commercial water, etc.) inside or within 0.5 miles of the boundary of the property/properties.)

6. Winterization BPTC Measures

A. Winterization Activities Performed

What activities will be performed to winterize the site and prevent discharges of waste?

B. Maintenance of Drainage and Sediment Capture Features

What maintenance activities will be performed to remove debris and soil blockages from drainage and sediment capture features (e.g., drainage culverts, drainage trenches, settling ponds, etc.) and ensure adequate capacity exists? Include a description of how all solid waste materials are managed.

C. Revegetation Activities

What revegetation activities will occur at the beginning or end of the precipitation season?

D. Compliance Schedule

If any Winterization BPTC measure cannot be completed before the onset of the winter period, contact the Regional Water Board to establish a compliance schedule.

Provide a timeline for implementation of these measures:

7. Cannabis Cultivation Details

A. Growing Methods
a. Where is cannabis grown? <input type="checkbox"/> Fully outdoor <input type="checkbox"/> Hoop house <input type="checkbox"/> Greenhouse with permeable floors <input type="checkbox"/> Other (please describe): _____
b. What type of container is cannabis grown in? Check all that apply. <input type="checkbox"/> In the ground <input type="checkbox"/> Raised beds <input type="checkbox"/> Pots/grow bags/trays on the ground <input type="checkbox"/> Pots/grow bags/trays elevated off the ground <input type="checkbox"/> Other (describe): _____
c. If cannabis is grown in containers elevated off the ground, is irrigation tailwater collected? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> A portion of it is collected <input type="checkbox"/> N/A If yes, describe what you do with the captured irrigation tailwater:
B. Irrigation Water Treatment
a. Is irrigation water filtered prior to use? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If irrigation water is filtered, answer the questions below:</i>
b. What type of filtration is used (e.g., reverse osmosis, ion exchange, etc.)?
c. What is the maximum volume of water filtered per day?
d. How are filter residuals (e.g., brines, backwash, etc.) disposed of?
e. What is the volume of residual produced? _____ gallons per Choose an item.

8. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

I have read and accept the above terms.

Operator/Responsible Party _____ Date Prepared _____