

Preliminary Stormwater Control Plan

Applicant shall provide a Preliminary Stormwater Control Plan for any regulated projects subject to a Development (Planning) Permit. Preliminary Stormwater Control Plan shall include the following information:

I. Project Information

- A. Project name, development application number, address, and assessor's parcel number
- B. Name and contact information of applicant, owner, and design engineer
- C. Project phase number (if project is being constructed in phases)
- D. Project Type (e.g., commercial, industrial, residential, mixed-use, public)
- E. Project description

II. Site and Design

- A. Topographic Map and Geology – Indicate wetlands or water courses, soil types, biologically sensitive areas.
- B. Project Layout and Design showing Drainage Management Areas (DMAs)

III. Stormwater Performance Criteria and Drainage Management

- A. Development Area and Performance Requirement
 - Threshold Determination Worksheet (on City's website):
<https://www.cityofsalinas.org/our-city-services/public-works/development-engineering>
- B. Drainage Management Areas - Map and tabulation of DMAs including:
 - DMA type and area (SF)

IV. SCM sizing and Calculations

- A. Calculations for each DMA to meet the requirements of [Resolution No. R3-2013-0032](#), including:
 - PR-2 Water Quality Treatment Calculations
 - PR-3 Runoff Retention Calculations (if applicable)
 - SCM sizing calculations to meet the water quality requirement and runoff retention requirement (if applicable)
 - PR-4 Peak Management Calculations (if applicable)
 - Flood Control Measure Calculations (applicable for project >5 ac.)
 - (if applicable) Documentation of runoff retention technical infeasibility where retention of the full volume is not practicable
 - (if applicable) Where technical infeasibility is documented, calculations for dedicating 10% of the project's equivalent impervious area to SCMs

Stormwater Control Plan Outline

Stormwater Control Plan (report) and exhibits shall be provided for regulated projects prior to issuance of a grading or building permit.

V. Project Information

- A. Project name, Stormwater Quality Permit number, address, and assessor's parcel number
- B. Name and contact information of applicant, owner, and design engineer
- C. Project phase number (if project is being constructed in phases)
- D. Project Type (e.g., commercial, industrial, residential, mixed-use, public)
- E. Comprehensive project description

VI. Site Assessment Summary

- A. Site topography.
- B. Geology and soil types - Description of site soil conditions based on geotechnical analysis, hydrological soil groups, and presence of unique geology (e.g., karst), geotechnical hazards
- C. Hydrologic Conditions – Description and map of wetlands, watercourses, seeps, and springs, depth to seasonal high groundwater, depth to an impervious layer such as bedrock, location of nearby drinking water wells
- D. Natural Areas – Description and map of protected undisturbed natural areas and trees
- E. Other Site Features and Constraints – Including existing drainage infrastructure for the site and nearby areas, run-on characteristics (source and estimated runoff from offsite which discharges to project area), documented soil and/or groundwater contamination, structures including retaining walls, other utilities, easements and setbacks, zoning/land use and covenants.

VII. Stormwater Performance Criteria and Drainage Management Areas

- A. Development Area and Performance Requirement
 - Total project site area and project type
 - From Threshold Determination Worksheet (on City's website):
<https://www.cityofsalinas.org/our-city-services/public-works/development-engineering>
 - Performance Requirement and Special Circumstances (including Urban Sustainability Areas, drainage to highly altered channel) applicable to the project
- B. Drainage Management Areas - Map and tabulation of DMAs including:
 - DMA Identification number
 - DMA type (self-treating areas, self-retaining areas, areas that drain to self-retaining areas, areas that drain to SCMs)
 - DMA area (SF) and surface type
 - For DMAs that are not self-treating or self-retaining, provide runoff coefficient and receiving SCMs

VIII. Site Design and SCMs

B. Summary of Site Design and Stormwater Control Measures included in the project

C. Description of each SCM, including:

- Tributary DMAs and total tributary area
- PR-2 (Water Quality) Treatment Volume calculations
 - For onsite retention and volume capture-based treatment systems:
$$\text{Water Quality Treatment Volume} = C \times 24\text{hr Rainfall Depth}_{85\text{th or }95\text{th}} \times \text{SCM Tributary Area}$$
- PR-2 (Water Quality) runoff calculations
 - For biofiltration and flow-based treatment systems:
$$\text{Runoff treatment capacity} = C \times 0.2 \text{ inches/hr} \times \text{SCM Tributary Area}$$
- PR-3 (Runoff Retention) runoff volume calculations (if applicable)
- SCM sizing calculations to meet the water quality requirement and runoff retention requirement (if applicable)
- (if applicable) Documentation of runoff retention technical infeasibility where retention of the full volume is not practicable
- (if applicable) Where technical infeasibility is documented, calculations for dedicating 10% of the project's equivalent impervious area to SCMs
- PR-4 (Peak management) calculations (if applicable)
- Certification that the selection, sizing, and design of the Stormwater Control Measures meet the Performance Requirements

D. Source control measures included in the project

IX. SCM Operation and Maintenance (O&M) Plan (30 days prior to Certificate of Occupancy)

- A. Site plan indicating location and type of SCM constructed
- B. SCM details
- C. Planting and Plant List
- D. Integrated Pest Management (IPM) plan
- E. O&M procedures for each structural SCM, onsite drainage system, LID facilities, self-retaining areas, and source control measures
- F. Short- and long-term maintenance requirements, recommended frequency of maintenance, and estimated cost for maintenance
- G. Signed and notarized Maintenance Declaration (see Appendix E)

X. Appendices Required for Stormwater Control Plan

- A. Threshold Determination Worksheet
- B. WMZ and 85th or 95th Percentile Map
(https://www.waterboards.ca.gov/centralcoast/water_issues/programs/stormwater/docs/lid/lid_hydro_mod_charette_index.html#percentile_rainfall)
- C. Map of Groundwater Depth (<https://wdl.water.ca.gov/waterdatalibrary/>)
- D. Map of Nearby USTS, Hazardous Waste Site and Cleanup Sites (<https://geotracker.waterboards.ca.gov/>)
- E. Map of Domestic Water Wells
(<https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/default.asp>)
- F. Infiltration Feasibility Worksheet
- G. Topographic Map
- H. Site Plan
- I. DMA Map
- J. Improvement Plans (Grading and Drainage Plan and Details pertaining to SCM design)
- K. NOAA Precipitation Data (https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=ca)
- L. SCM Sizing Calculations
- M. Geotechnical Report and Infiltration Testing or NRCS Soil Map
(<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>) &
(https://www.nrcs.usda.gov/Internet/FSE_MANUSCRIPTS/california/CA053/0/monterey.pdf)
- N. Owner's Certification
- O. Engineer's Certification
- P. Hydrology Report for Flood Control
- Q. Alternative Compliance Agreement
- R. Other Project Specific Reports

Stormwater Control Plan Checklist		
<p>Instructions: Applicant to complete 1-5 for ALL Regulated Projects, and all other sections as appropriate for the project's Performance Requirement(s).</p>		
1. Project Information		<u>Check</u>
A	Project Name	
B	Permit Number	
C	Address and Assessors' Parcel Number	
D	Name of and Contact Information of Applicant, Owner, and Design Engineer	
E	Project Phase Number (if constructed in phases)	
F	Project Type	
G	Project Description	
2. Project Areas		<u>Check</u>
A	Total Project Site Area	
B	Total New Impervious Area	
C	Total Replaced Impervious Area	
D	Total New Pervious Area	
E	Net Impervious Area	
3. Statement of Applicable Performance Requirement(s)		<u>Check</u>
A	PR-1 Site Design and Runoff Reduction	
B	PR-2 Water Quality Treatment	
C	PR-3 Runoff Retention	
D	PR-4 Peak Management	
E	PR-5 Special Circumstances	
F	Flood Control Measures (For Projects > 5 acres); provide hydrology report	
4. Delineation of Drainage Management Areas		<u>Check</u>
A	Table of Areas	
B	DMA Map	
5. PR-1 Site Design and Runoff Reduction		<u>Check</u>
A	Conserve natural areas, riparian areas and wetlands	
B	Limit clearing and grading of native vegetation at the site to the minimum area needed to build the project, allow access, and provide fire protection	
C	Set back development from creeks, wetlands, and riparian habitats	
D	Minimize compaction of highly permeable soils; Reserve areas with high permeability soils for either open space or infiltration BMPs	
E	Use pervious pavement (pervious concrete or asphalt, turf block, crushed aggregates, etc) for New Construction and Renovation	

F	Minimize impervious surfaces by concentrating improvements on the least-sensitive portions of the site, while leaving the remaining land in a natural undisturbed state	
G	Provide infiltration rate of synthetic turf (if applicable). Turf with infiltration rates < 0.5 in/hr is considered to be impervious.	
H	Minimize stormwater runoff by implementing one or more of the following site design measures: <i>check one or more that apply:</i>	
	• Direct roof runoff into cisterns or rain barrels for reuse	
	• Direct roof downspouts onto vegetated areas safely away from building foundations and footings, consistent with California building code	
	• Direct runoff from sidewalks, walkways, driveways, uncovered parking lots, and/or patios onto vegetated areas safely away from building foundations and footings, consistent with California building code	
I	Construct bike lanes, driveways, uncovered parking lots, sidewalks, walkways, and patios with permeable surfaces	
I	Provide location & type of trash full-capture device.	
J	Provide documentation demonstrating that trash full-capture device is on the State’s approved list.	
K	Provide Landscaping Plan	
6. PR-2 Water Quality Treatment		<u>Check</u>
A	Description of all post-construction structural SCMs	
B	Supporting calculations used to comply with PR2	
C	Documentation certifying that the selection, sizing, and design of the SCMs meet the full or partial PR2	
D	Water Quality Treatment calculations used to comply with Water Quality Treatment Performance Requirement and any analysis to support infeasibility documentation	
6a. Statement of Compliance for PR-2 – Water Quality Treatment		<u>Check</u>
A	Water Quality Treatment Performance has been met on-site, or, if not achievable:	
B	Documentation of the area/volume of runoff for which compliance cannot be achieved on-site and the associated off-site compliance requirements	
C	Statement of intent to comply with Water Quality Treatment Performance Requirement through an Alternative Compliance Agreement	
7. PR-3 Runoff Retention		<u>Check</u>
A	Site topography	
B	Hydrologic features including contiguous natural areas, wetlands, watercourses, seeps, or springs	
C	Depth to seasonal high groundwater	
D	Locations of groundwater wells used for drinking water	
E	Depth to an impervious layer such as bedrock	
F	Presence of unique geology (e.g., karst)	
G	Geotechnical hazards	
H	Documented soil and/or groundwater contamination	
I	Soil types and hydrologic soil groups	
J	Vegetative cover/trees	

K	Run-on characteristics (source and estimated runoff from offsite which discharges to the project area)	
L	Existing drainage infrastructure for the site and nearby areas including the location of municipal storm drains	
M	Structures including retaining walls	
N	Utilities	
O	Easements	
P	Covenants	
Q	Zoning/Land Use	
R	Setbacks	
S	Open space requirements	
T	Other pertinent overlay(s)	
U	Supporting calculations used to comply with PR3	
V	Documentation demonstrating infeasibility where Site Design and Runoff Reduction measures cannot retain required runoff volume	
W	Documentation demonstrating infeasibility where retention-based SCMs cannot retain and/or treat the required runoff volume	
X	Documentation demonstrating infeasibility where on-site compliance cannot be achieved	
Y	Documentation demonstrating percentage of the projects' Equivalent Impervious Surface Area dedicated to retention-based SCMs	
Z	Documentation of certification that the selection, sizing, and design of the SCM meets the applicable Water Quality Treatment and Runoff Retention Performance Requirement	
7a. Statement of Compliance for PR-3 - Runoff Retention		<u>Check</u>
A	Statement of Intent to Comply with Water Quality Treatment and Runoff Retention Performance Requirements have been met on-site, or if not achievable:	
B	Documentation of the volume of runoff for which compliance cannot be achieved on-site and the associated off-site compliance volume	
C	Statement of Intent to Comply with Water Quality Treatment and Runoff Retention Performance Requirements through an Alternative Compliance Agreement	
8. PR-4 Peak Management		<u>Check</u>
A	Summary of Runoff Reduction Measures and structural SCMs, by Drainage Management Area, as well as for the entire site	
B	Supporting calculations used to comply with the applicable Water Quality Treatment, Runoff Retention, and Peak Management Performance Requirements	
C	Documentation of certification that the selection, sizing, and design of the SCM meets the applicable Water Quality Treatment, Runoff Retention, and Peak Management Performance Requirement	
8a. Statement of Compliance for PR-4 - Peak Management		<u>Check</u>
A	Statement that the Water Quality Treatment, Runoff Retention, and Peak Management Performance Requirements have been met on-site, or, if not achievable:	

B	Documentation of the volume of runoff for which compliance cannot be achieved on-site and the associated off-site compliance requirements	
C	Statement of Intent to Comply with Water Quality Treatment, Runoff Retention, and Peak Management Performance Requirements through an Alternative Compliance Agreement	
9. Statement of Compliance for PR-5 - Special Circumstances		<u>Check</u>
A	Statement that the Special Circumstances Performance Requirements have been met, and there will be no adverse impacts downstream as a result of runoff from the Regulated Project	
B	Documentation that the project was approved by the Central Coast Water Board Executive Officer as a Special Circumstances Regulated Project	
10. Operation and Maintenance Plan (All Projects)		<u>Check</u>
A	O&M Plan for all structural SCMs to ensure long-term performance	
B	Owner’s Information for SCMs	
11. Flood Control Measures (Projects > 5 ac)		Check
A	Summary of Flood Control Measures for the entire site	
B	Supporting calculations used to comply with the 100-year Peak Flow Requirements	
12. Appendices (All Projects)		Check
	Appendices	

Example template:

<https://countyofsb.org/uploadedFiles/pwd/Content/sbpcw/Development/Stormwater%20Control%20Plan%20Template%202019%20ccg.pdf>

For small Tier 1 projects,

https://salinasca-my.sharepoint.com/:b:/g/personal/heidin_ci_salinas_ca_us/ET5fkpMkEttPucy7ofjUalEBs-Rc6H3Zh0eAticYSJ-Tpw?e=a2eKll