

Small Development Project Checklist*

Applicability. Small Development Projects include all projects that create and/or replace between 2,500 to 5,000 square feet of impervious surface. Impervious surfaces may include: roads, structures, driveways, sidewalks, patios, etc.

**This checklist is required to be submitted with construction/improvement plans to verify Regulated Projects have been designed to conform to Chapter 9.53 of the Merced County Code, "Regulation of Stormwater".*

Exemptions. The following projects are exempt from Chapter 9.53 of the Merced County Code. If applicable, check the appropriate exemption and complete all of Page 1 and the Developer Contact information on the bottom of Page 2.

- Detached single family home included in a residential subdivision approved before 8/12/2014
- Interior remodel
- Routine maintenance or repair project (as included on following list):
 - Repair or replacement work of existing underground utilities (water, sanitary sewer, etc.)
 - Exterior wall surface replacement
 - Roof replacement
 - Pavement or asphalt resurfacing within the existing footprint
 - Pavement grinding and resurfacing of existing roadways
 - Pavement repair such pothole repair or replacement of short, non-contiguous sections of roadway
- New Sidewalk or pedestrian ramp along existing roadway
- New bike lane along existing roadway
- Linear Underground Project with less than 5,000 SF of new contiguous impervious surface
- Project will retain 100% of storm water runoff on-site (no possible connectivity to Waters of the U.S.)

Project Name:

Enter Project Number

Project Number:

Enter Project Number

Project Location:

Enter Project Location.

APN: _____ Enter APN _____ (Assessor's Parcel Number)

Project Type (Check one or more):

- Subdivision Construction
- Single Family Home
- Landscaping (Includes: patios, pools, supplemental structures, walkways, etc.)
- Commercial Development
- Office Development
- Industrial Development
- Institutional Development (Church, School, Community Center, etc.)
- Parking Lot, Paved/Concrete Outdoor Storage Area, or other similar impervious surface
- Road Widening
- Other: _____ Describe Other _____

Project Category (Check one or more):

- New Construction
- Addition to Existing
- Reconstruction
- Other: _____ Describe Other _____

Description of Project:

Enter Project Description

Project Area (in square feet):

Total Project Area: Enter Area SF Area to be Disturbed: Enter Area SF

Existing Impervious Surface Area Enter Area SF

New Impervious Surface Area: Enter Area SF

Replaced Impervious Surface Area: Enter Area SF

Total Post-Project Impervious Surface Area: Enter Area SF

Will more than 50% of the Existing Impervious Surface be Replaced?* Yes No

**If yes, then runoff from all existing, new, and replaced impervious surfaces must be included in the storm water treatment and design calculations.*

Status of Project (to be completed by County):

Application Date: Click to Select Date

Application Deemed Complete Date: Click to Select Date

Project Approval Date: Click to Select Date

Project Developer Contact Information:

Name: Enter Name

Company: Enter Company

Mailing Address: Enter Address City ZIP
(Street or P.O. Box) (City) (ZIP)

Phone: Enter Phone Number

e-mail: Enter e-mail Address

PART A – SITE DESIGN MEASURES:

Designate the Site Design Measures to be implemented to reduce project site runoff (Check one or more).

The SMARTS Post-Construction Water Balance Calculator is required to be used to quantify the runoff reduction resulting from implementation of the specified Site Design Measures. If post-construction water balance cannot be achieved with Site Design Measures, then additional storm water treatment and baseline hydromodification measures (See Part B of this Checklist) must be incorporated in the project design.

- Stream Setbacks and Buffers**
(A vegetated area including trees, shrubs, and herbaceous vegetation shall be retained or established to protect an adjacent stream system or lake reservoir.)
- Soil Quality Improvement and Maintenance**
(Improve and/or maintain the soil through the incorporation of soil amendments and creation of microbial community.)
- Tree Planting and Preservation**
(Plant and/or preserve healthy established trees including both evergreen and deciduous varieties.)
- Rooftop and Impervious Area Disconnection**
(Reroute of rooftop drainage pipes to drain rainwater to rain barrels, cisterns, or on-site permeable areas instead of to the storm drainage system.)
- Porous Pavement/Concrete**
(Incorporate use of porous pavement, porous concrete and/or other permeable materials for on-site flat work (driveways, walkways, patios, parking areas, etc.) instead of traditional pavement or concrete.)
- Green Roofs**
(Incorporate use of a vegetative layer grown on a roof (rooftop garden).)
- Vegetated Swales**
(Construct an on-site vegetated, open-channel swale designed to treat and attenuate storm water runoff.)
- Rain Barrels and Cisterns**
(Install a system that collects and stores storm water runoff from a roof or other impervious surface.)

Additional Description of Site Design Measures to be Implemented for Project (if necessary):

Enter Additional Description

Post-Construction Water Balance Calculator Results*:

Pre-Project Runoff Volume: Enter Volume CF

Project-Related Runoff Volume Increase:
(Before Implementation of Site Design Measures) Enter Volume CF

Project-Related Runoff Volume Increase:
(After Implementation of Site Design Measures) Enter Volume CF = Treatment Volume (T_v)

*Must attach a copy of the Post-Construction Water-Balance Calculator Spreadsheet to this Checklist.

PART B – SOURCE CONTROL MEASURES:

Small Development Projects with pollutant generating activities and sources are required to implement permanent and/or operation source control measures. From the following list, check all of the potential pollutant generating activities and sources that apply to this project.

- | | |
|---|---|
| <input type="checkbox"/> Accidental spills or leaks | <input type="checkbox"/> Outdoor storage of equipment and materials |
| <input type="checkbox"/> Interior floor drains | <input type="checkbox"/> Vehicle and equipment cleaning |
| <input type="checkbox"/> Parking/storage areas and maintenance | <input type="checkbox"/> Vehicle and equipment repair and maintenance |
| <input type="checkbox"/> Indoor and structural pest control | <input type="checkbox"/> Fuel dispensing areas |
| <input type="checkbox"/> Landscape/outdoor pesticide use | <input type="checkbox"/> Loading docks |
| <input type="checkbox"/> Pools, spas, ponds, decorative fountains, etc. | <input type="checkbox"/> Fire sprinkler test water |
| <input type="checkbox"/> Refuse areas | <input type="checkbox"/> Unauthorized non-storm water discharges |
| <input type="checkbox"/> Industrial Processes | <input type="checkbox"/> Building and grounds maintenance |
| <input type="checkbox"/> Restaurants, grocery stores, and other food service operations | <input type="checkbox"/> Drain or was water from boiler drain lines, condensate drain lines, rooftop equipment, drainage sumps, and other sources |

Describe the Source Control BMPs that will be implemented for the project for all pollutant generating activities checked above.

Describe Source Control BMPs