SECTION 2A: SEPARATE SEWER AREA BMP SELECTION FORM

This form guides the applicant through the BMP selection process in alignment with the Separate Sewer Area BMP Hierarchy, as required in Chapter 6 of the Stormwater Management Requirements and Design Guidelines (SMR). Complete this form ONLY if your project is located in the separate sewer area.

1st Priority BMPs
- Rainwater Harvesting*
- Unlined Bioretention
- Bioretention Swales
- Infiltration Trench/Basin
- Subsurface Infiltration System
- Permeable Pavement
- Vegetated Roofs

2nd Priority BMPs
- Lined Bioretention (i.e., flow-through planter)
- Constructed Wetlands (appropriate for large or multi-parcel sites)

3rd Priority BMPs
- Media filters (i.e. tree-box filters, cartridge filters, etc.)

*Rainwater harvesting must be assessed before all other 1st Priority BMPs, as required by the NPDES Phase II Municipal Separate Storm Sewer System Permit.

STEP 1 - Rainwater Harvesting

Is the site required to implement dual plumbing per the Recycled Water Ordinance and does your project have high non-potable water demand?

☐ Yes  Use Rainwater Harvesting or justify in the Narrative why Rainwater Harvesting is not feasible. If SMR performance requirements are not fully met, continue to Step 2.

☐ No  Move to Step 2.

Note: High non-potable water demand in MS4 areas is defined as demand in excess of 4,000 gallons per day per acre of potential rainwater capture area (roughly equivalent to 320 residential units/acre or for commercial sites, 300,000 gross square feet/acre). Use the Separate Sewer Area BMP Sizing Calculator (Rainwater Harvesting tab) to estimate non-potable demand.

STEP 2 - Infiltration

Is infiltration feasible at the site?

☐ Yes  Use 1st Priority BMPs to the maximum extent feasible or justify in the Narrative why and where they are not feasible. If SMR performance requirements are not fully met, continue on to Step 3.

☐ No  Move to Step 3.

Note: Infiltration is considered feasible unless a majority of the site is subject to infiltration constraints defined in SMR Appendix C: Infiltration-based BMP Criteria such as high groundwater, shallow bedrock, and contaminated soils.

STEP 3 - Biotreatment

Can 2nd Priority BMPs be used to meet SMR separate sewer area requirements?

☐ Yes  Use 2nd Priority BMPs to the maximum extent feasible or justify in the Narrative why and where they are not feasible. If SMR performance requirements are not fully met, continue on to Step 4.

☐ No  Move to Step 4.

STEP 4 - High Rate Filtration

If SMR performance requirements cannot be met using 1st & 2nd Priority BMPs to the maximum extent feasible, 3rd Priority BMPs may be allowed under special circumstances with SFPUC or Port review and approval.