

Appendix C: Project Planning and Design

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¹ Dashes (-) in this appendix's tables indicate that data is not available.

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Treatment BMPs Planned for Projects

The table below summarizes the number of projects and the corresponding number of treatment best management practices (BMPs) in those projects planned for completion during the reporting period. The information provided is based on the completion end dates documented in the Plans, Specifications and Estimate (PS&E) Stormwater Data Report (SWDR). The actual number of BMPs installed during this reporting period might vary due to shifting construction schedules. Treatment BMPs are included as appropriate to the maximum extent practicable based on Total Maximum Daily Load (TMDL) commitments, 303(d) water bodies, location specific requirements, and the requirements in the Project Planning and Design Guide (PPDG) using the Targeted Design Constituent (TDC) approach.

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Table C-1: Treatment BMPs Incorporated Based on SWDR Data for Fiscal Year 2015-2016

District	Total # Projects Required to Incorporate Treatment BMPs	# Biofiltration Strips	# Biofiltration Swales	# Detention Basins	# Infiltration Devices	# Gross Solids Removal Devices	# Traction Sand Traps	# Dry Weather Diversion	# Media Filters	# Multi-Chambered Treatment Trains	# Wet Basins	Total
1	5	4	1	-	-	-	1	-	-	-	-	6
2	9	1	-	-	3	-	6	-	-	-	-	10
3	4	-	2	3	1	-	57	-	-	-	-	63
4	11	13	1	-	29	-	-	-	-	-	-	43
5	2	6	4	1	-	-	-	-	-	-	-	11
6	4	-	1	2	4	-	-	-	-	-	-	7
7	51	65	198	6	216	38	-	-	61	-	-	584
8	10	-	-	10	1	-	-	-	-	-	-	11
9	0	-	-	-	-	-	-	-	-	-	-	0
10	3	-	-	-	1	-	-	-	-	-	-	1
11	30	2	45	9	7	-	-	-	-	-	-	63
12	6	10	15	-	1	-	-	-	-	-	-	26
Total:	135	101	267	31	263	38	64	-	61	-	-	825

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Design Self-Audit Results

The Design Compliance Monitoring Program uses the SWDR as a tool for documenting compliance with the design pollution prevention and treatment BMP requirements of the Caltrans Conformed National Pollutant Discharge Elimination System Permit and Draft Statewide Stormwater Management Plan. The SWDR and its checklists are reviewed by District staff to ensure that BMPs are being considered and appropriately incorporated into Caltrans' projects. This review also ensures stormwater compliance throughout the project planning and design phases. Headquarters Office of Stormwater Management Design then selects SWDRs and reviews them as part of a quality improvement process. These reviews are used to determine if improvements are needed in the design guidance and training classes.

Table C-2 and Table C-3 present the compiled SWDR data from the previous fiscal year and the current fiscal year, respectively, from the District SWDR submittals.

Table C-2: SWDR Submittals and Reviews Approved by District (July 2014-June 2015)

District	Number of SWDRs							Total Treatment BMPs Planned
	Total	Project Phase			SWDR Form Type		SWPPP Required	
		PID	PA/ED	PS&E	Long	Short		
1	44	5	-	1	7	37	5	308
2	34	-	-	1	5	29	4	-
3	51	5	-	-	9	42	10	4
4	50	14	8	27	10	40	9	1
5	50	12	7	31	8	42	9	38
6	-	-	-	-	-	-	-	-
7	164	62	20	82	65	99	62	509
8	149	47	37	65	26	123	38	52
9	30	5	7	18	5	25	5	-
10	-	-	-	-	-	-	-	-
11	49	10	17	21	21	28	21	31
12	22	6	9	7	6	16	5	3
Total	643	166	105	253	162	481	168	946

BMP – Best Management Practice

PA/ED – Project Approval/Environmental Document

PID – Project Initiation Document

PS&E – Plans, Specifications, and Estimate

SWDR – Stormwater Data Report

SWPPP – Stormwater Pollution Prevention Plan

Table C-3: SWDR Submittals and Reviews Approved by District (July 2015-June 2016)

District	Number of SWDRs							Total Treatment BMPs Planned
	Total	Project Phase			SWDR Form Type		SWPPP Required	
		PID	PA&ED	PS&E	Long	Short		
1	39	6	0	0	9	30	9	8
2	22	2	3	17	6	16	7	10
3	70	5	11	54	22	48	24	63
4	60	15	7	34	12	48	13	8
5	84	20	23	41	25	59	22	67
6	101	23	25	53	30	71	31	19
7	152	50	32	70	57	95	54	584
8	107	12	50	45	20	87	33	11
9	19	4	3	12	3	16	3	8
10	15	4	6	5	4	11	4	3
11	59	8	11	40	30	29	30	53
12	49	9	12	28	13	36	13	26
Total	777	158	183	399	231	546	243	860

BMP – Best Management Practice
 PA/ED – Project Approval/Environmental Document
 PID – Project Initiation Document
 PS&E – Plans, Specifications, and Estimate
 SWDR – Stormwater Data Report
 SWPPP – Stormwater Pollution Prevention Plan