

Appendix C: Project Planning and Design

Table of Contents

Treatment BMPs Planned for Projects.....	1
Design Self-Audit Results.....	5

Tables¹

Table C-1: Treatment BMPs Incorporated Based on SWDR Data for Fiscal Year 2017-2018.....	3
Table C-2: SWDR Submittals and Reviews Approved by District (July 2016-June 2017)	5
Table C-3: SWDR Submittals and Reviews Approved by District (July 2017-June 2018)	6

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

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Treatment BMPs Planned for Projects

The table below summarizes the number of projects and the corresponding number of treatment BMPs in those projects planned for completion during the reporting period. The information provided is based on the completion end dates documented in the PS&E SWDR. The actual number of BMPs installed during this reporting period might vary due to shifting construction schedules. Treatment BMPs are included in projects as appropriate to the maximum extent practicable based on TMDL commitments, 303(d) water bodies, location specific requirements, and the requirements in the 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 2017-2018

District	Total Number of Projects Required to Incorporate Treatment BMPs	# Biofiltration Strips	# Biofiltration Swales	# Detention Basins	# GSRD-Inclined Screen	# GSRD-Linear Radial	# Infiltration Basins	# Infiltration Trench	# Austin Sand Filters	# Delaware Sand Filters	# Traction Sand Traps	# Dry Weather Diversion	# Multi-Chambered Treatment Trains	# Wet Basins	# Fish Passage	# DPP Infiltration Area	# Stabilization Areas	# Pilot and Nonstandard Treatment BMPs	# All Other	Total
1	21	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
2	10	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
3	47	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
4	9	2	18	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	23
5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0	0	1	49
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	44	35	145	4	20	2	29	77	23	1	0	0	0	0	0	57	9	0	6	408
8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10
10	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	4	0	29	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	35
12	6	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total:	172	45	199	5	20	2	30	80	23	1	5	0	0	0	0	115	9	0	11	545

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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 NPDES Permit and 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 Hydraulics and 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 2016-June 2017)

District	Number of SWDRs							Total Treatment BMPs Planned
	Total	Project Phase			SWDR Form Type		SWPPP Required	
		PID	PA/ED	PS&E	Long	Short		
1	8	5	1	2	6	2	6	2
2	3	0	0	3	2	1	2	16
3	50	13	7	30	16	34	20	5
4	90	46	12	32	26	64	22	53
5	73	22	18	34	15	58	17	1
6	99	24	15	62	25	74	26	22
7	174	71	40	68	66	108	62	746
8	3	1	2	0	3	0	3	50
9	29	3	5	23	6	23	7	4
10	68	16	19	33	6	62	10	1
11	54	24	4	26	15	39	17	0
12	33	12	9	13	7	26	8	12
Total	684	237	132	326	193	491	200	912

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 2017-June 2018)

District	Number of SWDRs							Total Treatment BMPs Planned
	Total	Project Phase			SWDR Form Type		SWPPP Required	
		PID	PA&ED	PS&E	Long	Short		
1	10	3	4	3	5	5	4	0
2	34	2	5	28	10	24	15	24
3	55	6	8	41	6	49	6	2
4	102	0	45	57	29	73	19	23
5	96	27	20	49	21	75	30	86
6	150	28	36	86	33	33	31	0
7	187	59	50	78	60	127	52	399
8	1	1	0	0	0	1	1	1
9	21	3	4	14	2	19	2	10
10	101	14	19	70	6	95	14	1
11	70	14	13	43	27	43	27	35
12	43	10	13	20	12	31	13	38
Total	870	167	217	489	211	575	214	619

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