Checklist: Water Quality in Proposed LCP Implementation Plan vs. Coastal Commission's Model LCP Water Quality Guidance

[Name of Local Government; Title & Date of Proposed IP Draft]
[WQ Sections Reviewed; Reviewed by CCC Staff Name & Date]

Model IP Row	***SUMMARIZED MODEL WATER QUALITY IP STANDARDS (from CCC Model LCP Water Quality Guidance 11-12-15)***	***COMMENTS Does Proposed IP Fully Address This Model IP Standard?***	***Rate 0-4***
		0 none, 1 little, 2 half, 3 mostly, 4 fully →	
7-14	**B. Application Information about Existing Site Conditions:**		
8-14	**1. & 2. Map & Site Info.:** Topography, drainage, nearby coastal waters & ESHA, structures & pavement, impaired waters, contamination		
15-46	**C. *Construction Pollution Prevention Plan* (CPPP)**		
16	**1. Applicability:** Projects entail construction, with potential impacts		
17	**2. Submittal:** Submit Preliminary CPPP with application, and submit Final CPPP prior to construction		
18-41	**3. Requirements of *Construction Pollution Prevention Plan*:**		
19-27	a. Minimize pollutant discharge & runoff. BMPs, as applicable:		
20-23	(1) BMPs to minimize erosion and sedimentation		
24-26	(2) BMPs to minimize discharge of other construction pollutants		
27	(3) BMPs to infiltrate or treat runoff, where necessary		
28	b. Stabilize soil as soon as feasible.		
29	c. Minimize land disturbance and soil compaction		
30	d. Minimize damage or removal of vegetation		
31	e. Avoid plastic netting in temp. erosion & sediment control products		
32-36	f. Use additional BMPs for construction over, in, or near water		
37-39	g. Avoid grading during the rainy season		
40	h. Manage construction-phase BMPs		
41	i. Use an appropriate BMP guidance manual.		
42-46	**4. Content of *Construction Pollution Prevention Plan*:**		
43	a. Construction site plan map showing boundaries, phasing, and BMPs		
44	b. Describe BMPs to be implemented to meet all CPPP requirements		
45	c. Schedule of BMP installation and construction phasing		
46	d. Description of BMP management (O&M, inspection, & training)		
47-97	**D. *Post-Development Runoff Plan* (PDRP)**		
48	**1. Applicability:** Projects with potential WQ or hydrology impacts		
49	**2. Submittal:** Submit Preliminary PDRP with CDP application; also Final PDRP prior to construction, if project entails construction		
50-89	**3. Requirements of *Post-Development Runoff Plan*:**		
51	a. Address runoff management early in Site Design planning; strategies to minimize stormwater pollution & changes in runoff flow regime		
52-73	b. Give precedence to a Low Impact Development (LID) approach to stormwater management in all development. LID Site Design strategies & BMPs include:		
53-55	(1) Protect and restore natural hydrologic features		
56-58	(2) Preserve or enhance non-invasive vegetation		
59-62	(3) Maintain or enhance on-site infiltration		
63-65	(4) Minimize impervious surfaces area		
66-71	(5) Disconnect impervious areas from storm drain system		
72-76	c. Use alternative BMPs where on-site infiltration is not appropriate		
77	d. Use pollutant Source Control BMPs in all development		
78	e. Address runoff from impervious & semi-pervious surfaces		
79	f. Prevent adverse impacts to ESHA from runoff		

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80-82	g. Minimize discharges of dry weather runoff to coastal waters		
83-88	h. Avoid adverse impacts of discharges from stormwater outfalls		
89-92	i. Prevent erosion at stormwater outlets		
93	j. Manage BMPs for life of the development (O&M, inspect, training)		
94	k. Use an appropriate BMP guidance manual		
95-102	**4. Content of *Post-Development Runoff Plan*:**		
96	a. PDRP site plan showing post-development structural BMPs, stormwater conveyances & discharges, structures, and pavements		
97	b. Identification of pollutants potentially generated		
98	c. Estimate of changes in impervious surface area		
99	d. Describe BMPs to be implemented to meet all PDRP requirements		
100	e. Description of LID approach, or justification if not implemented		
101	f. BMP installation or implementation schedule		
102	g. Description of BMP management (O&M, inspection, training)		
103-150	**E. *Water Quality and Hydrology Plan***		
104-117	**1. Applicability:** Developments of Water Quality Concern (DWQC)		
105-117	Specify DWQC categories based on extent of impervious surface area, type of land use, and/or proximity/discharge to coastal waters		
118	**2. Submittal:** Submit Preliminary WQHP with CDP application, and submit Final WQHP prior to issuance of CDP		
119-141	**3. Requirements of *Water Quality and Hydrology Plan*:**		
120	a. Prepare plan by a qualified licensed professional		
121	b. Conduct a polluted runoff and hydrologic site characterization		
122	c. Address runoff from impervious & semi-pervious surfaces		
123	d. Design BMPs using 85th percentile design storm standard		
124	e. Use LID to retain on-site the design storm runoff volume		
125-128	f. Conduct an alternatives analysis if design storm runoff volume will not be retained on-site using LID		
129-132	g. Use Treatment Control BMPs to remove pollutants if necessary:		
130	(1) From any portion of design storm runoff not retained using LID		
131	(2) Use Treatment Control BMPs prior to infiltration if necessary		
132	(3) Use Treatment Control BMPS effective for pollutants of concern		
133-135	h. Use Runoff Control BMPs if add >15,000 ft^2 net impervious surface:		
134	(1) Use Flow Retention techniques to retain on-site the 85th percentile 24-hour design storm runoff volume; and		
135	(2) If add > 22,500 ft^2 net impervious surface area, also use Peak Management to prevent post-development peak flow rates from exceeding pre-development for 2-year through 10-year design storms		
136	i. Use appropriate BMPs for high-pollutant land uses		
137-140	j. Design and manage parking lots to minimize polluted runoff		
141	k. Manage BMPs for the life of the development		
142-150	**4. Content of *Water Quality and Hydrology Plan*:**		
143	a. All information required for the *Post-Development Runoff Plan*		
144	b. Polluted runoff and hydrologic site characterization		
145	c. BMPs to be implemented to meet all WQHP requirements		
146	d. Calculations for sizing BMPs using design storm standard		
147	e. Document that WQHP addresses runoff from all impervious surfaces		
148	f. Description of LID approach to retain design storm volume on-site		
149	g. Alternatives analysis documenting site-specific constraints		
150	h. Description of BMP management (O&M, inspection, & training)		