

Exhibit F
WQMP Review Checklist

Water Quality Management Plan Review Checklist

The purpose of this checklist is to provide a format for uniform, comprehensive, and well-documented reviews of the Water Quality Management Plans (WQMPs) submitted by project applicants. The completed checklist should be transmitted to the project applicant with the project WQMP. A copy of the completed checklist should be retained with the project planning/permitting file.

Planning Project/Design Review Number: _____

Project Name: _____

Project Address: _____

First Review

WQMP Received on: _____

Review Completed on: _____

Second Review

WQMP Received on: _____

Review Completed on: _____

Third Review

WQMP Received on: _____

Review Completed on: _____

Signature of Reviewer: _____

Date: _____

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Title Page			
The Title Page includes the following:			
Project Title			
Development No. (Tract, Parcel, or Use number)			
Design Review/Case number			
Prepared for: (Owner/Developer name and contact information)			
Prepared by: (Consulting/Engineering firm that prepared WQMP with contact person, title and information)			
Date WQMP was prepared and appropriate revision date(s)			
Preliminary or Final box checked			
Owner's Certification			
Includes a fully completed and signed certification statement, in which the project owner acknowledges and accepts the provisions of the WQMP, follows the title page. <i>Note: Original signature and notarization certification for the project owner will be required for each approval document(s).</i>			
Includes a fully completed and signed certification statement, in which the preparer acknowledges that the WQMP meets the requirements of Regional Water Quality Control Board Order No. R8-2010-0033, follows the title page.			
Table of Contents			
Includes a fully completed Table of Contents, list of figures, and appendices, as applicable.			
SECTION A: PROJECT AND SITE INSPECTION			
Includes an accurate description of project information, project location, project characteristics, and existing site characteristics.			
Section A1: Maps and Site Plans			
Includes a WQMP site plan <ul style="list-style-type: none"> Refer to Appendix 1 for specific WQMP site plan information to be provided. 			
Section A2: Identify Receiving Waters			
Includes fully completed Table A.1: Identification of Receiving Waters - All receiving waters that the project site is tributary to, are listed in order of upstream to downstream.			
Section A3: Additional Permits/Approvals required for the Project:			
Includes fully completed Table A.2: Other Applicable Permits - Identifies additional permits/approvals required for the project: <ul style="list-style-type: none"> State Department of Fish and Game, 1602 Streambed Alteration Agreement. State Water Resources Control Board, Clean Water Act (CWA) section 401 Water Quality Certification. US Army Corps of Engineers, CWA section 404 permit. US Fish and Wildlife, Endangered Species Act section 7 biological opinion. Statewide Construction General Permit Coverage. Statewide Industrial General Permit Coverage. Western Riverside MSHCP Consistency Approval (e.g. JPR, DBESP). Other. 			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
SECTION B: OPTIMIZE SITE UTILIZATION (LID PRINCIPLES)			
Includes narrative describing approach to identifying and preserving existing drainage patterns.			
Includes narrative describing approach to identifying and protecting existing vegetation.			
Includes narrative describing approach to identifying and preserving natural infiltration capacity.			
Includes narrative describing approach to identifying and minimizing impervious area.			
Includes narrative describing approach to identifying and dispersing runoff to adjacent pervious areas.			
SECTION C: DELINEATE DRAINAGE MANAGEMENT AREAS (DMA'S)			
Includes fully completed Table C.1 DMA Classifications. <ul style="list-style-type: none"> • Drainage Management Areas (DMAs) should be broken down by soil type and surface type (e.g. landscaping, pervious paving, or roofs). • The total project site area should total the sum of all DMAs, plus the area of any stormwater BMPs. 			
Includes fully completed Table C.2 Type 'A' Self-Treating Areas.			
Includes fully completed Table C.3 Type 'B' Self-Retaining Areas.			
Includes fully completed Table C.4 Type 'C' Areas that Drain to Self-Retaining Areas.			
Includes fully completed Table C.5 Type 'D' Areas draining to LID BMPs. <ul style="list-style-type: none"> • Where possible, site drainage should be designed so that only impervious roofs and pavement drain to LID BMPs. This yields a simpler, more efficient design and minimizes the potential for clogging by sediment. 			
SECTION D: IMPLEMENT LID BMPS			
Section D1: Infiltration Applicability			
Indicates if there is an approved downstream 'Highest and Best Use' for stormwater runoff. <ul style="list-style-type: none"> • Existence of an approved 'Highest and Best Use' should be verified with Co-Permittee. 			
Indicates if the project meets criteria for classification as a 'small project' consistent with the requirements of Chapter 2 of the WQMP Guidance Document. <ul style="list-style-type: none"> • Project must not be larger than size criteria listed on Page 34 of the WQMP Guidance Document. • Project must be underlain with hydrologic soils group (HSG) "D" soils only, according to available regional soils maps. • No data should be available that conflicts with the above HSG "D" designation. 			
Includes fully completed Table D.1 Infiltration Feasibility, listing any affected DMAs.			
Section D2: Harvest and Use Assessment			
Indicates if reclaimed water will be used for the non-potable water demands for the project.			
Indicates if downstream water rights may be impacted by Harvest and Use, as approved by the Regional Board.			
Indicates if the Design Capture Volume (DCV) will be addressed using Infiltration Only BMPs.			
Irrigation Use Feasibility			
Step 1: Identifies the total area of irrigated landscape (Acres).			
Step 1: Identifies the type of landscaping – Conservation Design or Active Turf.			
Step 2: Identifies total area of impervious surfaces (Acres).			
Step 3: Identifies the minimum area of <i>Effective Irrigated Area per Tributary Impervious Area</i> (EIATIA factor).			
Step 4: Identifies minimum required irrigated area (Acres).			
Step 5: Determines if harvesting stormwater runoff for irrigation use is feasible.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Toilet Use Feasibility			
Step 1: Identifies the total number of daily toilet users and the project type (Residential, Commercial, Industrial or School).			
Step 2: Identifies total area of impervious surfaces (Acres).			
Step 3: Identifies minimum number of <i>toilet users per tributary impervious acre</i> (TUTIA) Factor.			
Step 4: Identifies minimum number of toilet users.			
Step 5: Determines if harvesting stormwater runoff for toilet use is feasible.			
Other Non-Potable Use Feasibility			
Provided narrative description of other non-potable uses for stormwater runoff.			
Step 1: Identifies average daily demand: Projected average daily use in (GPD).			
Step 2: Identifies total area of impervious surfaces (Acres).			
Step 3: Identifies minimum demand for non-potable uses per tributary impervious acre (see Table 2-4).			
Step 4: Identifies minimum number of gallons per day of non-potable use that would be required.			
Step 5: Determines if harvesting stormwater runoff for other non-potable use is feasible.			
Section D3: Bioretention and Biotreatment Assessment			
Indicates if LID Bioretention/Biotreatment BMPs will be used for some or all DMAs of the project as noted in Section D.4.			
Indicates if a site-specific analysis demonstrating the technical infeasibility for all LID BMPs has been performed. <ul style="list-style-type: none"> If project owner plans to submit an analysis demonstrating the technical infeasibility of LID BMPs, a pre-submittal meeting with the Co-Permittee should be requested to discuss this option. An approved infeasibility analysis should be included in Appendix 5 of the WQMP submittal. 			
Section D4: Feasibility Assessment Summaries			
Includes fully completed Table D.2 LID Prioritization Summary Matrix			
Provides brief narrative describing all DMAs where LID BMPs are not feasible for implementation. <ul style="list-style-type: none"> If an approved infeasibility analysis for the entire project has been included in Appendix 5, preparer may skip Section D.5 and proceed to Section E to document compliance. However, if any project DMAs are utilizing LID Bioretention/Biotreatment BMPs, then Sections D.4 and D.5. must be completed for those DMAs only. 			
Section D5: LID BMP Sizing			
Includes fully completed Table D.3 DCV Calculations for LID BMPs. <ul style="list-style-type: none"> Only required for DMAs draining to LID BMPs. Calculates V_{BMP} for each DMA using worksheets from Appendix F of the <i>LID BMP Design Handbook</i>. Sizing of the LID BMP is performed using worksheets found in the <i>LID BMP Design Handbook</i> or other approved method by the Co-Permittee. (Appendix 6 of the WQMP submittal should include all worksheets and calculations.) 			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
SECTION E: ALTERNATIVE COMPLIANCE (LID WAIVER PROGRAM)			
Indicates if LID Principles and LID BMPs have been incorporated into the site design to fully address all DMAs. If checked, no alternative compliance measures are required for this project and thus, Section E is not required to be completed. Preparer may skip to Section F.			
Indicates that some project DMAs are unable to be addressed using LID BMPs. <ul style="list-style-type: none"> Includes site-specific infeasibility analysis, approved by the Co-Permittee, in Appendix 5. Indicates that no downstream regional and/or sub-regional LID BMPs exist or are available for use by the project. Includes list of DMAs that are unable to be addressed using LID BMPs. 			
Section E1: Identify Pollutants of Concern			
Includes fully completed Table E.1 Potential Pollutants by Land Use Type. <ul style="list-style-type: none"> Indicates all applicable project categories. Identifies the project's Pollutants of Concern by comparing general pollutant categories to those listed as impairments in the project's receiving waters. 			
Section E2: Stormwater Credits			
Includes fully completed Table E.2 Water Quality Credits – Provides credit reduction percentage of DCV.			
Section E3: Sizing Criteria			
Includes fully completed Table E.3 Treatment Control BMP Sizing – Includes appropriate V_{BMP} or Q_{BMP} calculations and are analyzed using method described in Section 2.3.1 of the Guidance Document.			
Section E4: Treatment Control BMP Selection			
Includes fully completed Table E.4 Treatment Control BMP Selection. <ul style="list-style-type: none"> Lists proposed treatment control BMP. List project's priority pollutants of concern. List removal efficiency percentage, as documented in Co-Permittee approved study. Include study in Appendix 6. 			
SECTION F: HYDROMODIFICATION			
Section F1: Hydrologic Conditions of Concern (HCOC) Analysis			
Indicates if project qualifies for HCOC Exemption 1 – Project disturbs less than 1 acre.			
Indicates if project qualify for HCOC Exemption 2 – Insignificant difference between pre-developed and post-developed 2 yr – 24hour storm conditions, in terms of stormwater runoff volume and time of concentration. A difference of 5% or less is considered insignificant.			
If project qualifies for HCOC Exemption 2, provides complete Table F.1 Hydrologic Conditions of Concern Summary demonstrating difference is insignificant.			
Indicates if project qualifies for HCOC Exemption 3 – Project drains to adequate sump that meets listed criteria.			
If project qualifies for HCOC Exemption 3, adequate sump is identified.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Section F2: HCOC Mitigation			
Identifies if project meets one of the following conditions: <ul style="list-style-type: none"> Additional LID BMPs are implemented to mitigate potential erosion or habitat impacts. Evaluation performed utilizing accepted professional methodologies listed in WQMP Guidance Document. Project is consistent with an Approved watershed Action Plan which addresses HCOC in receiving waters. Post development hydrograph significantly mimics pre-development hydrograph. Significantly is defined as not greater than 10% of pre-developed. All documentation supporting selected condition should be included in Appendix 7. 			
SECTION G: SOURCE CONTROL BMPS			
Includes completed Table G.1 Permanent and Operational Source Control Measures – Table is consistent with Stormwater Pollutant Sources/Source Control Checklist located in Appendix 8 for the following: <ul style="list-style-type: none"> Potential sources of runoff pollutants. Permanent structural source control BMPs. Operational source control BMPs. 			
SECTION H: CONSTRUCTION PLAN CHECKLIST			
Includes completed Table H.1 Construction Plan Cross-reference: <ul style="list-style-type: none"> For Final WQMP only. Reference tool to be used for easy reference of related construction plans. 			
SECTION I. OPERATION AND MAINTENANCE RESPONSIBILITY FOR TREATMENT CONTROL BMPS			
Describes Maintenance Mechanism that is included in Appendix 9.			
Indicates if proposed BMPs will be maintained by a Home Owners' Association (HOA) or Property Owners Association (POA)			
APPENDICES			
Appendix 1: Maps and Site Plans			
Includes an accurate project location Map.			
Includes a fully complete and labeled map of all project identified receiving waters.			
Includes WQMP Site Plan that provides the following: <ul style="list-style-type: none"> DMA's and drainage paths. Proposed structural LID BMPs and design details. Drainage infrastructure, inlets, and overflows. Source Control BMPs consistent with those specified in Appendix 8. Buildings, roof lines, and downspouts. Impervious, pervious and total project site areas. Area made available for LID BMPs (Effective Area) – include floor area ratio in calculation as described in Table 2-5 of the WQMP Guidance Document. Standard drawing labeling. 			
Appendix 2: Construction Plans			
Includes grading, drainage, landscape/plant palette and other pertinent construction plans.			
Appendix 3: Soil Information			
Includes Geotechnical Study.			
Includes infiltration testing data.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Appendix 4: Historical Site Conditions			
Includes Phase 1 Environmental Site Assessment and/or other information on past site use.			
Appendix 5: LID infeasibility			
Includes LID Technical Infeasibility Analysis. <ul style="list-style-type: none"> Analysis should be approved by Co-Permittee. 			
Appendix 6: BMP Design Details			
Includes Design procedure sheets for LID BMPs. <ul style="list-style-type: none"> Includes separate calculations for each DMAs draining to an LID BMP. Includes calculations of V_{BMP} for each DMA using worksheets from Appendix F of the <i>LID BMP Design Handbook</i>. Sizing of the LID BMP is performed using worksheets found in the <i>LID BMP Design Handbook</i> or other approved method by the Co-Permittee, and all worksheets are included. Calculation values are consistent with those provided in Table D.3. 			
Appendix 7: Hydromodification			
Includes supporting documentation for HCOC Exemption 2.			
Includes supporting documentation for HCOC Exemption 3.			
Includes HCOC mitigation supporting documentation and analysis.			
Appendix 8: Source Control			
Includes Pollutant Sources/Source Control Checklist. <ul style="list-style-type: none"> Checklist is consistent with Table G.1. Checklist is consistent with the WQMP Site Plan. 			
Appendix 9: O&M			
Includes a mean to finance and implement facility maintenance in perpetuity, including replacement cost.			
Includes acceptance of responsibility for maintenance from the time the BMPs are constructed until the responsibility for operation and maintenance is legally transferred.			
Includes an outline of general maintenance requirements for the Stormwater BMPs you have selected.			
Includes figures delineating and designating pervious and impervious areas, location, and type of Stormwater BMP, and tables of pervious and impervious areas served by each facility. Geo-locating the BMPs using a coordinate system of latitude and longitude is recommended to help facilitate a future statewide database system.			
Includes a separate list and location of self-retaining areas, or areas addressed by LID Principles, that do not require specialized O&M or inspections, but will require typical landscape maintenance as noted in Chapter 5, pages 85-86, in the WQMP Guidance. Includes a brief description of typical landscape maintenance for these areas.			
Includes Maintenance and Recording Mechanisms			
Appendix 10: Educational Materials			
Includes BMP Fact Sheets			
Includes Maintenance Guidelines			
Includes Other End-User BMP Information			

WQMP REVIEW COMMENTS

The following is a summary of major comments and/or questions relative to this project-specific WQMP: