Exhibit E

Project Specific SMR 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. *Note: Original signature and notarization certification for the project owner will be required for each approval document(s).*			
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. R9-2010-0016, 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 A.1: Maps and Site Plans			
Includes a WQMP site plan • Refer to Appendix 1 for specific WQMP site plan information to be provided.			
Section A.2: 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 A.3: Drainage System Susceptibility to Hydromodification			
Includes fully completed Table A.3: Identification of Susceptibility to Hydromodification			
Section A.4: Additional Permits/Approvals required for the Project:			
Includes fully completed Table A.2: Other Applicable Permits - Identifies additional permits/approvals required for the project: • State Department of Fish and Wildlife, 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. • Drainage Management Areas (DMAs) 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 BMPs. • 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 D.1: Infiltration Applicability			
Indicates if Harvest and Use BMPs will be implemented to address the DCV for all DMA or if there is an approved downstream 'Highest and Best Use' for stormwater runoff. • If Yes, Infiltration BMPs shall not be used for the site, and the Highest and Best Use is documented in the WQMP. • If No, a project site-specific evaluation of the feasibility of Infiltration BMPs shall be performed and is included with the WQMP. • Existence of an approved 'Highest and Best Use' should be verified with Copermittee.			
Indicates if the project meets criteria for classification as a 'small project' consistent with the requirements of Chapter 2 of the WQMP Guidance Document by providing supporting evidence that the project meets the following criteria: • Project must not be larger than size criteria listed on Page 27 of the 2014 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 D.2: 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 *Effective Irrigated Area per Tributary Impervious Area* (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 *toilet users per tributary impervious acre* (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 2-5 of the WQMP Guidance Document).			
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 D.3: Bioretention and Biotreatment Assessment			
Lists LID Bioretention/Biotreatment BMPs that will be used for some or all DMAs of the Project.			
If LID BMPs are infeasible throughout the site, a site-specific technical infeasibility analysis is included in Appendix 5.			
Section D.4: Other Limiting Geotechnical Conditions			
Indicates if onsite retention is not feasible due to specific geotechnical concerns identified in Geotechnical Report			
Provides brief narrative describing why onsite retention is not feasible.			
Section D.5: Feasibility Assessment Summaries			
Includes fully completed Table D.3 Feasibility Assessment Summary Table			
Provides brief narrative describing all DMAs where LID BMPs are not feasible for implementation.			
Section D.6: LID BMP Sizing			
Provides a completed Table D.4: DCV Calculations for LID BMPs			
Provides a completed Table D.5: LID BMP Sizing			
Indicates if LID BMPs will be used.			
SECTION E: IMPLEMENT HYDROLOGIC CONTROL BMPs AND SEDIMENT SUPPLY BMPs			
Section E.1: Onsite Feasibility of Hydrologic Control BMPs			
Indicates Yes or No that onsite Hydrologic Control BMPs are feasible or infeasible.			
Indicates that infeasibility has been approved by Copermittee.			
Section E.2: Meeting the HMP Performance Standard for Small Project Sites			
Indicates that the project is either greater or less than 1 acre.			
Provides a Simplified Technical Feasibility Study in Appendix 7.			
Indicates if onsite Hydrologic Control BMPs are feasible or not feasible .			
Section E.3: Hydrologic Control BMP Selection			
Includes fully completed Table E.1: LID & Hydromodification BMP Location.			
Section E.4: Hydrologic Control BMP Sizing			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Includes fully completed Table E.2: Hydrologic Control BMP Sizing			
Section E.5: Implement Sediment Supply BMPs			
Completed Step 1: Identify if site is a Significant Source of Bed Sediment Supply			
• Step 1.A: Identifies bed sediment similarity as…High, Medium or Low. • Results from geotechnical report attached in Appendix 7			
• Step 1.B: Identifies onsite streams capable of delivering bed sediment to receiving channel as…High, Medium or Low. • Results from analysis attached in Appendix 7			
• Step 1.C: Identifies if receiving channel will adversely respond to change in Bed Sediment Load as…High, Medium or Low. • Results from in-stream analysis provided in Appendix 7			
• Step 1.D: Provides summary of Step 1 in Table E.3: Triad Assessment Summary			
Completed Step 2: Preservation of identified onsite channels			
- Indicates whether site design will or will not avoid onsite channels that are identified as Significant Source of Bed Sediment…Yes or No.			
- Provides map identifying all onsite channels that are Significant Source of Bed Sediment in Appendix 7			
Completed Step 3: By-Pass of Upstream Drainage(s)			
- Indicates if site design avoids or doesn't avoid all onsite channels			
- Provides a site map identifying all upstream channels that are Significant Source of Bed Sediment in Appendix 7			
SECTION F: ALTERNATIVE COMPLIANCE			
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 F is not required to be completed. Preparer may skip to Section E.			
Indicates that some project DMAs are unable to be addressed using LID & Hydrologic Control BMPs. • Includes site-specific infeasibility analysis, approved by the Copermittee, in Appendix 5. • Indicates that no downstream regional and/or sub-regional LID & Hydrologic Control BMPs exist or are available for use by the project. • Includes list of DMAs that are unable to be addressed using LID & Hydrologic Control BMPs.			
Section F.1: Identify Pollutants of Concern			
Includes fully completed Table E.1: Potential Pollutants by Land Use Type. • 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 F.2: Stormwater Credits			
Includes fully completed Table E.2: Water Quality Credits – Provides credit reduction percentage of DCV.			
Section F.3: 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 F.4: Treatment Control BMP Selection			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Includes fully completed Table F.4: Treatment Control BMP Selection. • Lists proposed treatment control BMP. • List project's priority pollutants of concern. • List removal efficiency percentage, as documented in Copermittee approved study. Include study in Appendix 6.			
Section F.5: Hydrologic Performance Standard – Alternative Compliance Approach			
Provides an Technical Feasibility Study or Simplified Technical Feasibility Study in Appendix 7 • Written approval from Copermittee has been given prior to development of study			
Indicates if offsite hydrologic control management within the same channel system will be pursued.			
Provides a completed Table F.5: Offsite Hydrologic Control BMP Sizing			
Indicates if in-stream restoration project is being pursued			
Provides a technical report detailing in-stream restoration option in Appendix 7			
Section F.6: Sediment Supply Performance Standard – Alternative Compliance			
Copermittee has given approval to investigate alternative Bed Sediment Supply options and the approval document is provided in the WQMP			
Provides narrative of alternative Bed Sediment Supply approach in Appendix 7 • Includes long-term monitoring program • Includes findings of the numerical modeling			
SECTION G: SOURCE CONTROL BMPS			
Includes completed Table G.1: Structural and Operational Source Control BMP – Table is consistent with Stormwater Pollutant Sources/Source Control Checklist located in Appendix 8 for the following: • Potential sources of runoff pollutants. • Structural source control BMPs. • Operational source control BMPs.			
SECTION H: CONSTRUCTION PLAN CHECKLIST			
Includes completed Table H.1: Construction Plan Cross-reference: • For Final WQMP only. • Reference tool to be used for easy reference of related construction plans.			
SECTION I. OPERATION, MAINTENANCE AND FUNDING			
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.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Includes WQMP Site Plan that provides the following: • DMAs 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 2-6 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.			
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. • Analysis should be approved by Copermittee.			
Appendix 6: BMP Design Details			
Includes Design procedure sheets for LID BMPs. • 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 *LID BMP Design Handbook.* • Sizing of the LID BMP is performed using worksheets found in the *LID BMP Design Handbook* or other approved method by the Copermittee, and all worksheets are included. • Calculation values are consistent with those provided in Table D.3.			
Appendix 7: Hydromodification			
Includes supporting documentation for exemption of receiving waters that were not evaluated in the SMR HMP			
Includes Simplified Technical Feasibility Study			
Includes SMRHM summary reports			
Includes sieve analysis from Geotechnical Report, including soil erodibility factor.			
Includes analysis of sediment delivery potential to receiving channel			
Includes in-stream analysis			
Includes a site map identifying all onsite/upstream channels that are a significant source of bed sediment supply			
Includes site specific Technical Infeasibility Study of Hydrologic Control and Sediment Supply BMPs, including, but not limited to: • Modeling analysis • Long-term monitoring program • Potential corrective actions • SMRHM summary reports for alternative approach BMPs			
Includes supporting documentation for alternative compliance option for offsite/in-stream restoration			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Includes analysis of sediment delivery potential to receiving channel.			
Includes full design plans for in-stream restoration project that has been approved by Copermittee.			
Appendix 8: Source Control			
Includes Pollutant Sources/Source Control Checklist. • Checklist is consistent with Table G.1: Structural and Operational Source Control BMP • 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 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, 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: