CITY OF LA QUINTA PUBLIC WORKS/ENGINEERING DEPARTMENT
Water Quality Management Plan (WQMP) Checklist

Title Page

- ☐ Name of Project
- ☐ Location Address
- ☐ Tract, Parcel, or Use Number
- ☐ Lot Number(s) if site is a portion of a Tract
- ☐ Design Review Number
- ☐ Owner/Developer Name
- ☐ Owner/Developer Address & Telephone Number
- ☐ Consulting/Engineering Firm that Prepared WQMP
- ☐ Consulting/Engineering Firm Address & Phone Number
- ☐ Name and Title of Preparer
- ☐ Date WQMP was Prepared/Revised

OWNER'S CERTIFICATION

- ☐ Project Owner Acknowledges and Accepts the Provisions of the WQMP

TABLE OF CONTENTS

- ☐ Table of contents including a list of all figures and appendices.

SECTION I, PROJECT DESCRIPTION

- ☐ Location of Facilities Completely and Accurately Described
- ☐ What and Where will Activities be Conducted
- ☐ What kinds of Materials and Products will be Used and/or Stored
- ☐ How and Where will Materials be Delivered
- ☐ Projects Pre and Post Quantity & Percentage of Pervious Area
- ☐ Projects Pre and Post Quantity & Percentage of Impervious Area
- ☐ Project Location Including:
  - o Site Address
  - o Planning Area/Community Name
  - o APN Number(s)
  - o Latitude & Longitude
  - o Project Watershed, Sub-Watershed and Reach
- ☐ Project Size to the Nearest 1/10 Acre
- ☐ Standard Industrial Classification (SIC) Code which Best Describes the Facilities Operations (Caltrans)
- ☐ Identification of Whether a Home Owner's Association or Property Owner's Association will be Formed
- ☐ Identifies Additional Permits/Approvals Required for the Project Including (if known at time of Preliminary Submittal):
  - o State Department of Fish and Game, 1601 Streambed Alteration Agreement
  - o State Water Resources Control Board, Clean Water Act (CWA) Section 401 Water Quality Certification;
  - o US Army Corps of Engineers, CWA Section 404 Permit;
  - o US Fish and Wildlife, Endangered Species Act Section 7 Biological Opinion
  - o Statewide Construction General Permit Coverage
  - o Statewide Industrial General Permit Coverage

SECTION II, SITE CHARACTERIZATION

- ☐ Identifies the Zoning or Land Use Designation
- ☐ Identifies Current Property Use
- ☐ Identifies Proposed Property Use
- ☐ Identifies the Availability of a Soils Report (Note: a soils report is required if infiltration BMP's are utilized)
- ☐ Identifies the Availability of a Phase I Assessment. (Note: if prepared, a remediation summary and use restrictions must be attached in Appendix H)
- ☐ Identifies Receiving Waters Including:
  - o 303(d) list impairments
  - o Designated beneficial uses
  - o Proximity to RARE beneficial use water bodies

SECTION III, POLLUTANTS OF CONCERN

- ☐ Identify Potential Pollutants from the Project Associated from Urban Runoff
- ☐ Compare Potential Pollutants with Identified Impairments from Receiving Waters.
- ☐ Due to Past Use of Project, Identify Presence of the Following:
  - o Legacy Pesticides
  - o Nutrients
  - o Hazardous Substances

SECTION IV, HYDROLOGIC CONDITIONS OF CONCERN – IF PROJECT RETAINS URBAN RUNOFF IN CONFORMANCE WITH CITY OF LA QUINTA ORDINANCE – SECTION IV DOES NOT NEED TO BE COMPLETED

- ☐ Hydrology Condition Documentation (General)
  - ☐ At each discharge point, identify the proximate Receiving Water(s).
  - ☐ List all pollutants for which the Receiving Water(s) is impaired with the potential pollutants of concern generated by the project.
  - ☐ Discuss and compare the list of pollutants for which the proximate Receiving Waters is impaired
  - ☐ If Project is Not Exempt, Document: Discharge Flow Rates, Velocities, Durations, Volumes

- ☐ Volumetric Treatment Control
  a. The 85th percentile 24-hour event determined as the maximized capture Storm Water volume for the area, from the formula recommended in Urban Runoff Quality Management, Water Environment Federation Manual of Practice No. 23/ASCE Manual of Practice No. 87, (1998); or
  b. Volume based on California Stormwater Best Management Practices Handbook – Industrial/Commercial (2003). (See Graph WQM1).
  c. The volume of runoff produced from a historical-record based reference 24-hour rainfall criterion fro "treatment" that achieves approximately the same reduction in Pollutant loads achieved by the 85th Percentile 24-hour runoff event; or
  d. The method approved in the County Water Quality Management Plan for Urban Runoff

  Method A
  1. Storing the entire volume of the post development 2-year, 24-hour hydrograph
  2. Releasing the post-development 2-year, 24-hour volume at flow rates less than or equal to the predevelopment 2-year, 24-hour peak flow rate.
  3. Releasing the post-development 10-year, 24-hour flow at rates less than or equal to the predevelopment 10-year, 24-hour peak flow rate.
  4. Passing the 100-year storm event without damage to the facility.
  5. Controlling outlet velocities such that downstream erosion and habitat loss is minimized.

  Method B

  Any method acceptable to the Co-Permittee that:
  1. Assesses the hydrologic impacts of the increased impervious area on downstream erosion, sedimentation and stream habitat.
  2. Implements side design, source control, and /or Treatment Control BMP's capable of mitigating the assessed hydrologic impacts.
     - o An alternative treatment design criteria, appropriate for the unique arid hydrologic conditions of the Whitewater River Region that has been proposed by the Permittees and is acceptable to the Executive Officer.

- ☐ Flow-Based BMP Design Criteria
  a. The maximum flow rate of runoff produced from a rainfall intensity of 0.2 inch of rainfall per hour, for each hour of a storm event; or
  b. The maximum flow rate of runoff produced by the 85th percentile hourly rainfall intensity (for each hour of the storm event), as determined from the local historical rainfall record, multiplied by a factor of two; or
  c. The maximum flow rate of runoff for each hour of a storm event, as determined from the local historical rainfall record that achieves approximately the same reduction in Pollutant loads and flows as achieved by mitigation of the 85th percentile hourly rainfall intensity multiplied by a factor of two; or
  d. An alternative treatment design criteria, appropriate for the unique arid hydrologic conditions for the Whitewater River Region proposed by the Permittees and accepted by the Executive Officer.

SECTION V, BEST MANAGEMENT PRACTICES & LEVEL OF MITIGATION - IF PROJECT RETAINS URBAN RUNOFF IN CONFORMANCE WITH CITY OF LA QUINTA ORDINANCE – SECTIONS V.1.A AND V.1.B DO NOT NEED TO BE COMPLETED

- ☐ All BMPs shall be located at least 500 feet horizontally from water supply wells.
- ☐ Site Design BMP's (Show on Site Plan in Appendix B)
    a. Completed Table 1. Site Design BMP's
    b. Includes Narrative Describing which Site Design Concepts were Incorporated into Project Plans
- ☐ List and describes all Routine Source BMPs (Non structural and Structural)
- ☐ Describes the implementation frequency and identifies the entity or party responsible for implementation of each Non-Structural BMP.
- ☐ Treatment Control BMPs not required for preliminary WQMP.
- ☐ Identify each BMP that requires Operation & Maintenance (O&M)
- ☐ Provides a thorough description of O&M activities, the O&M process, and the handling and placement of any wastes.
- ☐ Provides BMP start-up dates
- ☐ Provide a schedule of the frequency of O&M for each BMP
- ☐ Identify the parties responsible for O&M and
- ☐ Provide a written agreement with the entities responsible for O&M (i.e. HOA, POA, CC&Rs, formation of maintenance or assessment districts, Covenant and Agreement)
- ☐ Identify self-inspection and record-keeping requirements for BMPs including responsible parties.
- ☐ Provides thorough description of water quality monitoring including parameters and frequency, if applicable.

SECTION VI, OPERATION AND MAINTENANCE RESPONSIBILITY FOR BMPS

- ☐ Identify the operation and maintenance requirements for structural Site Design BMPs, Source Control BMPs, LID/Site Design, and Treatment Control BMPs

SECTION VII, FUNDING

- ☐ Identify the funding source(s) for the operation and maintenance of each Treatment Control BMP.
- ☐ Where a public agency is identified as the funding source and responsible party for Treatment Control BMPs, a copy of the written agreement stating the public agency's acceptance of these responsibilities will be included as part of Appendix G.
- ☐ Site Design BMP's (Show on Site Plan in Appendix B)

APPENDIX A (Not Required for Preliminary WQMP)

- ☐ Includes a complete copy of the final Conditions of Approval

APPENDIX B

- ☐ Includes a Vicinity Map (show site relevant to arterial streets).
- ☐ Includes a Site Plan depicting the following project features:
    A. Location and identification of all structural and treatment BMPs
    B. Landscape Areas
    C. Paved Areas and intended use
    D. Structures with Intended Use
    E. Facilities with Intended Use.
    F. Project Feature Areas with Intended Use.
    G. Infrastructure (streets, storm drains…etc) that will revert to public agency ownership and operation.
    H. Existing private and public storm drainage facilities (inlets, outlets, basins…etc).
    I. Proposed private and public storm drainage facilities (inlets, outlets, basins…etc).
    J. Location of Receiving Waters to which project directly or indirectly discharges.
    K. Location of points where onsite (or tributary offsite) flows exits the project site.
    L. Proposed drainage area boundaries, including tributary offsite areas, for each location where flows exit the property/project site (Each tributary area should be clearly denoted).
    M. Pre- and post-project topography.
- ☐ Includes a Receiving Waters Map

APPENDIX C

- ☐ Supporting detail (i.e., engineering studies, calculations, and reports) related to Hydrologic Conditions of Concern, if applicable.

APPENDIX D (NOT REQUIRED FOR PRELIMINARY WQMP)

- ☐ Include copies of educational materials that will be used in implementing the project-specific WQMP

APPENDIX E

- ☐ Includes the required Soils Report if infiltration BMPs are proposed

APPENDIX F (NOT REQUIRED FOR PRELIMINARY WQMP)

- ☐ Includes supporting engineering calculations for Treatment Control BMP sizing and Treatment Control BMP design details. If project retains urban runoff in conformance with City of La Quinta Oridinance, include 100 year storm retention facility volume sizing calculations and design details.

APPENDIX G (NOT REQUIRED FOR PRELIMINARY WQMP)

- ☐ Includes copies of the CC&Rs, Covenants and Agreements
- ☐ Other mechanisms used to ensure the ongoing operation, maintenance, funding, transfer and implementation of the project-specific WQMP requirements.

APPENDIX H

- ☐ Includes a Phase 1 Environmental Site Assessment- Summary of Site Remediation Conducted and Used Restrictions. (If Required for Planning Department). If Phase 1 not required, submit historic photos showing Phase I not required.
- ☐ Provide Phase 2 Environmental Site Assessment if applicable per the Phase I. (Required during Preliminary or Final submittal shall be based on applicable BMP requirements).

APPENDIX I

- ☐ Complete the project-specific WQMP summary data form

CITY OF LA QUINTA PUBLIC WORKS/ENGINEERING DEPARTMENT
Preliminary Water Quality Management Plan (WQMP) Scope of Work

Note: Referenced Sections refer to the City WQMP Checklist and Whitewater River Region Water Quality Management Plan for Urban Runoff

TITLE PAGE

SECTION I - Project Description - Facilities, Location, Size, Pre and Post Construction Quantity & Percentage of Pervious and Impervious Areas, Facility SIC Code, Permits required for the Project.

SECTION II - Site Characterization - Zoning, Current and Project Property Use, Soils Report, Phase 1 Assessment and Identification of Receiving Waters Including: 303(d) list impairments, Designated Beneficial Uses and Proximity to RARE Beneficial Use water bodies.

SECTION III - **Pollutants of Concern** - Table listing Pollutant Category, Potential for Presence on Project and Pollutants impairing Receiving Waters. Cross Reference with Appendix B.

SECTION IV - **Hydrologic Conditions of Concern** - Document Discharge Flow Rates, Velocities, Durations, Volumes per Treatment Method/Development. Cross Reference with Appendix B & F. Supporting Hydrology Calculations for Volumetric Treatment Control or Flow Rate Treatment Control. Segregate Developments by Treatment Method (as applicable using infiltration basins, drywells or alternative treatment systems) for pollutants of concern.

SECTION V - **Best Management Practices** - Site Design, Source Control and Treatment Control. Tables included which identify applicable Site Design BMPs, Non Structural and Structural Source Control BMPs and Treatment Control BMPs. Cross Reference with Appendix B.

APPENDIX B - Vicinity Map, WQMP Site Plan and Receiving Waters Map

APPENDIX F - Includes supporting engineering calculations (including completed Design Procedure Forms) for Treatment Control BMP sizing and Treatment Control BMP design details. If project retains urban runoff in conformance with City of La Quinta Ordinance, include 100 year storm retention volume calculation summary.

APPENDIX H - Includes a Phase I Environmental Site Assessment summary of site remediation conducted and use restrictions if required by Planning Department. If Phase I not required, submit historic photo research on history of site. Please call 760-777-7075 or Riverside County for links to historic photos.

APPENDIX I - Project specific WQMP summary data form.

CITY OF LA QUINTA PUBLIC WORKS/ENGINEERING DEPARTMENT
Final Water Quality Management Plan (WQMP) Scope of Work

Note: Referenced Sections refer to the City WQMP Checklist and Whitewater River Region Water Quality Management Plan for Urban Runoff

TITLE PAGE

OWNER'S CERTIFICATION - Signed Statement that the Owner acknowledges and accepts the provisions of the WQMP.

TABLE OF CONTENTS - Table of Contents including a list of all Figures and Appendices.

SECTION I - Project Description - Facilities, Location, Size, Pre and Post Construction Quantity & Percentage of Pervious and Impervious Areas, Facility SIC Code, Permits required for the Project.

SECTION II - Site Characterization - Zoning, Current and Project Property Use, Soils Report, Phase 1 Assessment and Identification of Receiving Waters Including: 303(d) list impairments, Designated Beneficial Uses and Proximity to RARE Beneficial Use water bodies. Cross Reference with Appendices E & H.

SECTION III - Pollutants of Concern - Table listing Pollutant Category, Potential for Presence on Project and Pollutants impairing Receiving Waters. Cross Reference with Appendix B.

SECTION IV - Hydrologic Conditions of Concern - Document Discharge Flow Rates, Velocities, Durations, Volumes per Treatment Method/Development. Cross Reference with Appendix B & F. Supporting Hydrology Calculations for Volumetric Treatment Control or Flow Rate Treatment Control. Segregate Developments by Treatment Method (as applicable using infiltration basins, drywells or alternative treatment systems) for pollutants of concern.

SECTION V - Best Management Practices - Site Design, Source Control and Treatment Control. Tables included which identify applicable Site Design BMPs, Non Structural and Structural Source Control BMPs and Treatment Control BMPs. Cross Reference with Appendix B.

SECTION VI - Operation and Maintenance Responsibility for BMPs - Table provided to identify O&M requirements, Inspection Frequency, Start Dates and Responsible Parties. Cross Reference with Appendix G.

SECTION VII - Identification of the Funding Source(s) - Define funding for BMP implementation, Operation and Maintenance prior to and following project completion and ownership changes. Cross Reference with Appendix G.

APPENDIX A - Final Conditions of Approval

APPENDIX B - Vicinity Map, WQMP Site Plan and Receiving Waters Map

APPENDIX C - Supporting background detail related to Hydrologic Conditions of Concern – Confirmation that runoff discharged into an applicable Channel, in compliance with current MS4 permit, design, source and treatment control BMP reduce pollutants and discharge is authorized by Co-Permittee.

APPENDIX D - Educational materials per Riverside County Education Staff (www.rcflood.org) used for implementing the project-specific WQMP.

APPENDIX E - Soils Report with Percolation Testing per City of La Quinta Engineering Bulletin EB06-16.

APPENDIX F - Includes supporting engineering calculations (including completed Design Procedure Forms) for Treatment Control BMP sizing and Treatment Control BMP design details. If project retains urban runoff in conformance with City of La Quinta Ordinance, include 100 year storm retention volume calculations and design details.

APPENDIX G - Includes copies of the CC&Rs, Maintenance Agreements or Other mechanisms used to ensure the ongoing operation, maintenance, funding, transfer and implementation of the project-specific WQMP requirements. Legal description and plat stamped by Registered Surveyor to be attached to the applicable CC&R or Maintenance Agreement for recordation at Riverside County.

APPENDIX H - Phase 2 Environmental Site Assessment if recommended by the Phase I ESA. Note, Phase 2 may be required submittal during the Preliminary WQMP if BMP are needed to mitigate Phase I or Phase 2 pollutants.

APPENDIX I - Project specific WQMP summary data form.