



**PUBLIC WORKS DEPARTMENT
DEVELOPMENT SERVICES DIVISION
SUBDIVISION SERVICES SECTION**

City Hall East – 200 S. Anaheim Boulevard. 2nd Floor
Anaheim, California 92805
www.anaheim.net/publicworks

WATER QUALITY MANAGEMENT PLAN PROCEDURES

I. GENERAL

WATER QUALITY MANAGEMENT PLANS REQUIRED

NPDES Water Quality Management Plans are required for private new development and significant redevelopment projects and equivalent City of Anaheim capital projects that qualify as a priority project or a non priority project. The following definitions are taken from the Orange County 2003 Drainage Area Management Plan (DAMP):

New Development – means land disturbing activities; structural development, including construction or installation of a building or structure, the creation of impervious surfaces; and land subdivision.

Significant Redevelopment – means development that would add 5,000 or more square feet of impervious surface on an already developed site. Significant redevelopment includes, but is not limited to:

- Expansion of a building footprint;
- Addition of a building and/or structure;
- Addition of an impervious surface that is not part of a routine maintenance activity such as construction of a new parking lot.

Priority Project

- Residential development of 10 units or more
- Commercial and industrial development greater than 100,000 square feet including parking areas.
- Restaurant where the land area of development is 5,000 square feet or more including parking areas.
- Hillside development on 10,000 square feet or more, which is located on areas with known erosive soil conditions or where the natural slope is 25 percent or more.
- Parking lot area of 5,000 square feet or more, or with 15 or more parking spaces, and potentially

exposed to urban runoff.

- All Significant redevelopment projects, where significant redevelopment is defined as the addition of 5,000 or more square feet of impervious surface on an already developed site.

There are no Environmentally Sensitive Areas within the City of Anaheim or within 200 feet of the City limit lines.

Non-Priority Project – means a new development or equivalent City of Anaheim capital project that does not qualify as a priority project and

- Requires discretionary action (i.e. *public hearing before the City Council, Planning Commission, Zoning Administrator or City Engineer*) that will include a precise plan of development, except those projects exempted by the Water Quality Ordinance (i.e. *Chapter 10.09 of the Anaheim Municipal Code exempts exempt*) Or ;
- Requires a non-residential plumbing permit (*a municipal, commercial or residential plumbing permit, excluding potable water or sewage – typically for gasoline piping systems*).

PRELIMINARY/CONCEPTUAL WATER QUALITY MANAGEMENT PLAN – INITIAL SUBMITTAL

A Preliminary Water Quality Management Plan is required for new development and significant redevelopment projects that require approval by the Zoning Administrator, Planning Commission or City Council. Applicants are encouraged to submit the Preliminary WQMP concurrently with the PREFILE submittal. The Preliminary WQMP must be approved prior to filing for the public hearing.

For private developments that do not require discretionary approval, developers are encouraged to submit a Preliminary WQMP

The submittal for the Preliminary WQMP shall consist of the following:

1. Three (3) copies of Preliminary Water Quality Management Plans. The plan must include Site Design Best Management Practices (BMPs) and Treatment Control BMPs. The Source Control BMPs and BMP Maintenance can be excluded from the Preliminary WQMP and can be added when the Project WQMP is submitted.
2. Three (3) copies of the following items
 - a. A conceptual grading plan
 - b. A preliminary drainage report, including hydrology calculations, map, and calculations for sizing treatment control Best Management Practices (BMPs)
 - c. A preliminary geotechnical report
3. A plan review deposit in the amount approved by City Council Resolution and listed in the current fee schedule.

PROJECT WATER QUALITY MANAGEMENT PLAN – INITIAL SUBMITTAL

The initial submittal of the Project WQMP shall consist of the following:

1. Three (3) copies of Water Quality Management Plans prepared according to
2. Three (3) copies of the grading plan package including
 - a. The Grading Plan
 - b. The Drainage Report, including hydrology calculations, map, and hydraulic calculations for storm drain plans and sizing treatment control Best Management Practices (BMPs). The drainage study shall conform to the requirements listed in the City's Drainage Design Manual.
 - c. The Geotechnical Report
3. A plan review deposit in the amount approved by City Council Resolution and listed in the current fee schedule.

Incomplete plans will not be reviewed or processed, the civil engineer will be notified and the WQMP package will be returned. The project WQMP must be approved prior to approval of the grading plan, subdivision map or issuance of building permit whichever occurs first.

III. WATER QUALITY MANAGEMENT PLANS FORMAT

The Water Quality Management Plan shall be prepared in conformance to the requirements of Section 7 "New Development/Significant Redevelopment" of the Orange County 2003 Drainage Area Management Plan. The City of Anaheim is in the Santa Ana Region. The DAMP is available on the County's Stormwater Program website www.ocwatershed.com Link to the Stormwater section and click on the Documents section on the left side of the page.

The following items are specific to the City of Anaheim:

Watershed and Pollutants of Concern. The City of Anaheim contains portions of four watersheds within its boundaries. The watersheds are:

- Coyote Creek (Watershed A)
- Carbon Creek (Watershed B)
- Westminster (Watershed C)
- Santa Ana River (Watershed E)

The watershed descriptions and known pollutants of concern are listed in Exhibit A for incorporation into the WQMP. The civil engineer/designer shall add any additional information that becomes available during project research. The Watershed Map is available on the Development Services website or can be picked up at the Subdivision Services counter.

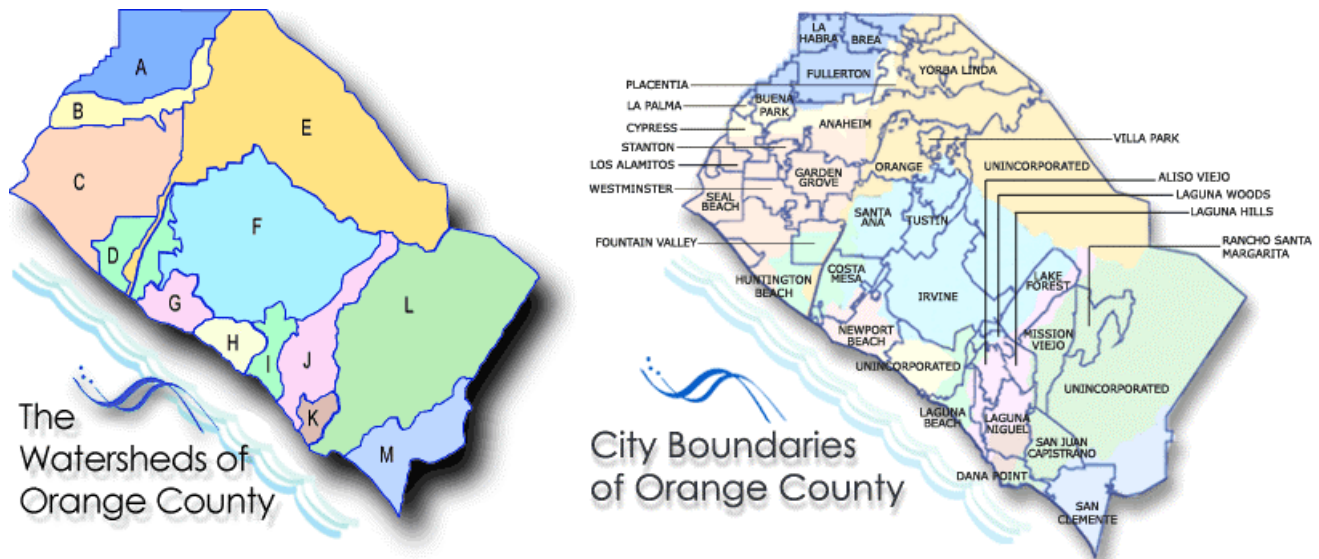
The maps in **Figures 1 and 2** illustrate watershed delineation and portions of watersheds (A, B, C, and E) that fall within the City of Anaheim's boundaries. These watersheds are based on hydrologic areas delineated by the Regional Water Quality Control Board (RWQCB) in the Water Quality Control Plan for the Santa Ana River Basin (Basin Plan).

The Storm Drain Key Map displays the major storm drains and waterways in the City of Anaheim as well as

the four major watersheds to which the City drains. The Storm Drain Key Map is available on the Development Services website or can be picked up at the Subdivision Services.

With regard to drainage from outside of Anaheim, the greatest volume of flow by far is attributed to dry weather flow in the Santa Ana River (primarily fed by wastewater treatment plants upstream in Riverside County) and intermittent large flows in the River from storm events. Additionally, a small portion of the flow in Carbon Creek comes to Anaheim from the Cities of Fullerton, Placentia and Yorba Linda. Anaheim is only tributary to the Coyote Creek and Westminster watersheds, draining to them, rather than receiving flow from outside its boundaries, as is the case with the other two watersheds.

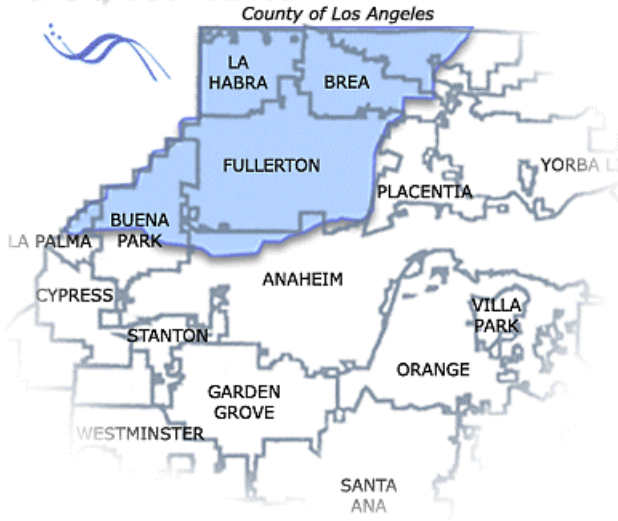
Figure 1 Watersheds and City Boundaries of Orange County



Source: <http://www.ocwatersheds.com>

Figure 2 Watersheds Portions That Fall Within City of Anaheim Boundaries

Coyote Creek Watershed & City Boundaries



Carbon Creek Watershed & City Boundaries



Westminster Watershed & City Boundaries



Santa Ana River Watershed & City Boundaries



Source: <http://www.ocwatersheds.com>

Site Characteristics The City of Anaheim is divided into 45 Drainage Districts. Identify which drainage district the site is within. Include a copy of the district map and a project Plot Plan showing drainage flow arrows and how the drainage ties to drainage of surrounding properties.

SITE DESIGN BEST MANAGEMENT PRACTICES

No exceptions are noted at this time.

SOURCE CONTROL BEST MANAGEMENT PRACTICES

Routine Non-Structural Source Control BMPs

The City of Anaheim Fire Department has oversight for BMPS **N5** (Title 22 CCR Compliance), **N7** (Spill Contingency Plan), **N8** (Underground Storage Tank Compliance), **N9** Hazardous Materials Disclosure Compliance and **N10** (Uniform Fire Code Implementation) pertain.

Routine Structural Source Control BMPs

- Design Trash Storage Areas to Reduce Pollutant Introduction
See City of Anaheim Public Works Standard Detail. The project civil engineer may design a project specific area as conditions warrant.
- Use Efficient Irrigation Systems and Landscape Design
See Anaheim Municipal Code Chapter 10.19 Landscape Water Efficiency

TREATMENT CONTROL BEST MANAGEMENT PRACTICES

No exceptions to the Orange County DAMP have been identified at this time.

ONGOING STORMWATER BMP MAINTENANCE

No exceptions have been identified at this time

V. PLAN CHECKING

A. FIRST PLAN CHECK

Plans will be scheduled for plan checking in the order they are received. The first plan check will be thorough and every attempt will be made to mark all plan deficiencies (except in those cases where the plan is incomplete or unclear). The designer will be notified as soon as the plan check is complete and ready for pick-up. The first plan check will take approximately 3-4 weeks.

When the plan checking backlog exceeds an estimated 3 weeks, the plan may be sent to a consulting engineer that has contracted with the City. All checking done by a consulting engineer will be returned to the City for review before being forwarded to the designer. The designer will be notified as soon as the plan check is complete and ready for pick-up.

All plan checks will be returned with a letter or checklist listing items to be submitted with the next plan check. Items marked "required for further processing" must be submitted with the next plan check.

C. SUBSEQUENT SUBMITTALS

Corrected plans will not be accepted for rechecking when items "required for further processing" are missing. It shall be the responsibility of the designer and/or developer to submit all items together with the corrected plans and previous check print.

Subsequent plan checks will be completed in approximately three weeks. The previous check print will be used as a guide for rechecks, the entire plan will be rechecked only in instances where the first check was incomplete or unclear. The designer will be notified as soon as the plan check is complete and ready for pick up.

In an effort to expedite the project, the plan checker assigned to the project will contact the developer and request a meeting with the designer and the developer if the plans are not ready for approval after the third plan check.

VI. WQMP APPROVAL

The plan checker will request two (2) copies of the Water Quality Management Plan with signature of the owner/developer in the plan check letter when the corrections requested are minor and will be sufficient to complete the plans.

After a final check has been made to verify that all corrections have been incorporated into the WQMP, the WQMP will be stamped approved. One stamped copy will be returned to the owner/developer. The second copy will be retained in the City Records Section.

VII. REVISIONS

All changes to an approved WQMP must be submitted and approved by the City as a revision.

Submit the following items to process a revision:

- 1) Two (2) copies of the revised WQMP, clearly identifying the items that are proposed to be revised.
- 2) A checking deposit in an amount determined by the City based on the estimated time for review.

EXHIBITS

EXHIBIT A..... WATERSHED DESCRIPTIONS

EXHIBIT B PROJECT REVIEW CHECKLIST FOR WQMP REQUIREMENTS

EXHIBIT C OWNER CERTIFICATION

EXHIBIT D NOTICE OF TRANSFER OF RESPONSIBILITY

Exhibit A

WATERSHED DESCRIPTIONS

Coyote Creek, Watershed A – This watershed covers 41.3 square miles in the northwest corner of Orange County. Coyote Creek, its main tributary, flows from Riverside County to the San Gabriel River. Coyote Creek Watershed is highly urbanized with residential, commercial, and industrial development. There are currently no impaired water bodies within this watershed, however, Coyote Creek ultimately empties into Reach 1 of the San Gabriel River, which is impaired for abnormal fish histology, algae, and high coliform count on Region 4's 2002 303(d) list.

Carbon Creek, Watershed B – This watershed covers 21.4 square miles in west Orange County. Carbon Creek, its main tributary, begins in the foothills and empties into the San Gabriel River. Like Coyote Creek Watershed, the watershed area is highly urbanized with residential, commercial, and industrial development. There are currently no impaired water bodies within this watershed, however, Carbon Creek ultimately empties into Reach 1 of the San Gabriel River, under Los Angeles County jurisdiction, which is impaired for abnormal fish histology, algae, and high coliform count on Region 4's 2002 303(d) list.

Westminster, Watershed C – This watershed covers 74.1 square miles in the southwestern corner of Orange County. Surface water from the southwestern portion of Anaheim drains through the storm drain system to the Anaheim Barber City Channel, which connects to the Bolsa Chica Channel, and drains to Huntington Harbour with its ocean outlet through Anaheim Bay. The Westminster watershed is mostly urbanized and lies on a level coastal plain. Land use is primarily comprised of residential and commercial development, but also includes military, light industrial, schools, parks, and transportation facilities. Tidal influence extends about two miles inland in the lower portion of Bolsa Chica Channel. Impaired water bodies within this watershed include Seal Beach, impaired for enterococci, Huntington Harbour, impaired for pathogens, metals (copper, nickel), pesticides (dieldrin), and priority organics (PCBs), Anaheim Bay, impaired for metals (copper, nickel), pesticides (dieldrin), and priority organics (PCBs), and Bolsa Chica wetlands, impaired for metals (copper, nickel).

Santa Ana River, Watershed E – This watershed covers 153.2 square miles in Orange County, including most of the eastern portion of Anaheim. Santa Ana River begins 75 miles away in the San Bernardino Mountains, crossing through eastern Anaheim before emptying into the Pacific Ocean. Impaired water bodies within this watershed include Reach 4 of Santiago Creek, impaired for salinity, TDS, and chlorides, and Silverado Creek, impaired for pathogens, salinity, TDS, and chlorides. Both Santiago Creek Reach 4 and Silverado Creek are upstream of the City of Anaheim.

Exhibit B
Project Review Checklist for WQMP Requirements

Project Name: _____

Project Address: _____

Reviewer: _____ Date ____/____/____

Project Requires a WQMP? NO YES

A Project WQMP is required if either of the following boxes apply:

- New Development - means land disturbing activities; structural development, including construction or installation of a building or structure, the creation of impervious surfaces; and land subdivision.
- Significant Redevelopment - means development that would create or add at least 5,000 square feet of impervious surfaces on an already developed site. Significant redevelopment includes, but is not limited to:
 - the expansion of a building footprint; addition to or replacement of a structure;
 - replacement of an impervious surface that is not part of a routine maintenance activity;
 - and land disturbing activities related with structural or impervious surfaces.

Replacement of impervious surfaces includes any activity that is not part of a routine maintenance activity where impervious material(s) are removed, exposing underlying soil during construction. Significant redevelopment does not include trenching and resurfacing associated with utility work; resurfacing and reconfiguring surface parking lots; new sidewalk construction, pedestrian ramps, or bike lane on existing roads; and replacement of damaged pavement.

Priority Project? NO YES

If a Project WQMP is required, then it is a Priority Project if any of the following boxes apply:

Table 7-1. Priority Projects

<input type="checkbox"/> Residential development of 10 units or more
<input type="checkbox"/> Commercial and industrial development greater than 100,000 square feet including parking areas
<input type="checkbox"/> Automotive repair shop (SIC codes 5013, 5014, 5541, 7532-7534, and 7536-7539)
<input type="checkbox"/> Restaurant where the land area of development is 5,000 square feet or more including parking areas (SIC code 5812)
<input type="checkbox"/> Hillside development on 10,000 square feet or more, which is located on areas with known erosive soil conditions or where natural slope is 25 percent or more within the jurisdiction of the Santa Ana RWQCB
<input type="checkbox"/> Parking lot area of 5,000 square feet or more, or with 15 or more parking spaces, and potentially exposed to urban runoff
<input type="checkbox"/> All significant redevelopment projects, where significant redevelopment is defined as the addition of 5,000 or more square feet of impervious surface on an already developed site

Exhibit C

Signed Statement (with/date) certifying that the provisions of the WQMP have been accepted by the applicant and that the applicant will strive to have the plan carried out by all future successors in accordance with the City of Anaheim's "Notice of Transfer of Responsibility" procedures (see pages 8 & 9)

OWNER'S CERTIFICATION
WATER QUALITY MANAGEMENT PLAN FOR PERMIT/PLANNING APPLICATION
NUMBER _____ & TRACT/PARCEL MAP NUMBER (if applicable) _____

This Water Quality Management Plan has been prepared for (Owner/Developer Name) by (consulting/engineering firm name). It is intended to comply with the requirements of the City of Anaheim, Planning and Public Works Departments, Tract Map No. _____, Condition Number(s) _____, and/or Site Development Permit _____ Condition Number(s) requiring the preparation of a Water Quality Management Plan (WQMP). The undersigned is aware that Best Management Practices (BMPs) are enforceable pursuant to the City's Anaheim Municipal Code, Chapter 10.09. The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the current Orange County Drainage Area Management Plan (DAMP) and the intent of the non point source NPDES Permit for Waste Discharge Requirements for the County of Orange, Orange County Flood Control District and the incorporated cities of Orange County within the Santa Ana Region Stormwater Runoff Management Program. Once the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement and amend the WQMP. An appropriate number of approved-signed copies of this document shall be available on the subject site in perpetuity.

By: _____
Name: _____
Title: _____
Company: _____
Address: _____
Phone #: _____

Date: _____.

Exhibit D

Water Quality Management Plan
Notice of Transfer of Responsibility

Tracking No. Assigned by the City of Anaheim: _____

Submission of this Notice of Transfer of Responsibility constitutes notice to the City of Anaheim that responsibility for the Water Quality Management Plan (“WQMP”) for the subject property identified below, and implementation of that plan, is being transferred from the Previous Owner (and his/her agent) of the site (or a portion thereof) to the New Owner, as further described below.

I. Previous Owner/Previous Responsible Party Information

Company/Individual Name		Contact Person	
Street Address		Title	
City	State	ZIP	Phone

II. Information about Site Transferred

Name of Project (if applicable)	
Title of WQMP Applicable to site:	
Street Address of Site (if applicable)	
Planning Area (PA) and/or Tract Number(s) for Site	Lot Numbers (if Site is a portion of a tract)
Date WQMP Prepared (and revised if applicable)	

III. New Owner/New Responsible Party Information

Company/Individual Name		Contact Person	
Street Address		Title	
City	State	ZIP	Phone

IV. Ownership Transfer Information

General Description of Site Transferred to New Owner	General Description of Portion of Project/Parcel Subject to WQMP Retained by Owner (if any)
Lot/Tract Numbers of Site Transferred to New Owner	
Remaining Lot/Tract Numbers Subject to WQMP Still Held by Owner (if any)	
Date of Ownership Transfer	

Note: When the Previous Owner is transferring a Site that is a portion of a larger project/parcel addressed by the WQMP, as opposed to the entire project/parcel addressed by the WQMP, the General Description of the Site transferred and the remainder of the project/parcel not transferred shall be set forth as maps attached to this notice. These maps shall show those

Exhibit D

portions of a project/parcel addressed by the WQMP that are transferred to the New Owner (the Transferred Site), those portions retained by the Previous Owner, and those portions previously transferred by Previous Owner. Those portions retained by Previous Owner shall be labeled “Previous Owner,” and those portions previously transferred by Previous Owner shall be labeled as “Previously Transferred.”

V. Purpose of Notice of Transfer

The purposes of this Notice of Transfer of Responsibility are: 1) to track transfer of responsibility for implementation and amendment of the WQMP when property to which the WQMP is transferred from the Previous Owner to the New Owner, and 2) to facilitate notification to a transferee of property subject to a WQMP that such New Owner is now the Responsible Party of record for the WQMP for those portions of the site that it owns.

VI. Certifications

A. Previous Owner

I certify under penalty of law that I am no longer the owner of the Transferred Site as described in Section II above. I have provided the New Owner with a copy of the WQMP applicable to the Transferred Site that the New Owner is acquiring from the Previous Owner.

Printed Name of Previous Owner Representative	Title
Signature of Previous Owner Representative	Date

B. New Owner

I certify under penalty of law that I am the owner of the Transferred Site, as described in Section II above, that I have been provided a copy of the WQMP, and that I have informed myself and understand the New Owner’s responsibilities related to the WQMP, its implementation, and Best Management Practices associated with it. I understand that by signing this notice, the New Owner is accepting all ongoing responsibilities for implementation and amendment of the WQMP for the Transferred Site, which the New Owner has acquired from the Previous Owner.

Printed Name of New Owner Representative	Title
Signature	Date