“One can find so many pains when the rain is falling.”

--John Steinbeck

O.1 Introduction

A Total Maximum Daily Load (TMDL) specifies the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and allocates the acceptable pollutant load to point and nonpoint sources.

As delineated in the Clean Water Act (CWA) section 303(d) list, the Central Coast Water Board has found that there is a reasonable potential that municipal stormwater and non-stormwater discharges from MS4s cause or may cause or contribute to levels above water quality standards. In accordance with CWA section 303(d), the Central Coast Water Board is required to establish TMDLs for discharge of these pollutants to these waters to eliminate impairment and attain water quality standards. Since provisions in NPDES permits must reflect the assumptions and requirements of available TMDLs (40 CFR 122.44 (d) (1) (vii) (B)).

The Order requires the Permittee to develop and implement Wasteload Allocation Attainment Plans for any current or future TMDL approved by the Office of Administrative Law where the Permittee is assigned a wasteload allocation for pollution loading through storm drain discharges to MS4s.

Therefore, the City’s Stormwater Permit requires the development of a Wasteload Allocation Attainment Plan (WAAP) within one-year of the Office of Administrative Law (OAL) approval of the fecal coliform Total Maximum Daily Load (TMDL). The goal of this Chapter is to allow the City to develop a meaningful attainment plan in concert with the community and stakeholders, including the Regional Water Quality Control Board (RWQCB) while integrating new control measures required by the 2012 Stormwater Permit.
The strategic plan is to identify and review what is currently known about fecal coliform sources and controls within the City; identify what information may be needed (information gaps) to answer the questions about sources and controls; and provide a work plan to begin implementation while filling the critical data gaps.

**O.2 Best Management Practices**

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<tr>
<th>Permit Provision</th>
<th>O1</th>
<th>Total Maximum Daily Loads</th>
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<tr>
<td><strong>Best Management Practice or Activity</strong></td>
<td>O1</td>
<td>For each Total Maximum Daily Load (TMDL) that assigns the City a wasteload allocation due to its MS4 discharges, the City will achieve its assigned wasteload allocation according to the schedule specified in the TMDL.</td>
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<tr>
<td><strong>Implementation Plan</strong></td>
<td>O1-a</td>
<td>a) Lower Salinas River Watershed Fecal Coliform TMDL - The City will implement BMPs capable of achieving its Lower Salinas River Watershed Fecal Coliform TMDL wasteload allocation by December 20, 2024. The City's Lower Salinas River Watershed Fecal Coliform TMDL wasteload allocation is: Lower Salinas River Watershed Fecal Coliform TMDL – Wasteload Allocation for the City of Salinas</td>
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<tr>
<th>Waterbody</th>
<th>Receiving Water Fecal Coliform (MPN/100mL)</th>
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| • Gabilan Creek  
• Santa Rita Creek,  
• Reclamation Ditch,  
• Natividad Creek, and  
• Lower Salinas River | Fecal coliform concentration, based on a minimum of not less than five samples for any 30-day period, will not exceed a log mean of 200MPN/100mL, nor will more than ten percent of total samples during any 30-day period exceed 400 MPN/100mL. |

2) Within one year of TMDL approval by the Office of Administrative Law, the City will submit a plan for meeting its wasteload allocation to the Central Coast Water Board, for every TMDL that assigns the City a wasteload allocation due to its MS4 discharges. Within 60 days of submitting the plan to the Central Coast Water Board, the City will start implementing the plan. The City will incorporate new BMPs (structural, non-structural, and/or other measures to attain the required source control) and other stormwater management program modifications identified in the Wasteload Allocation Attainment Plan(s) into the City's stormwater management program. The Wasteload Allocation Attainment Plan(s) will include, at a minimum, each of the principle components listed below,
unless the City provides justification for why specific components are in conflict with specific TMDL provisions.

a) A detailed description of the City’s strategy for BMP selection, assessment, and implementation, to ensure that implemented BMPs will effectively abate pollutant sources, reduce pollutant discharges, and achieve wasteload allocations according to TMDL schedule.

b) Identification of sources of the impairment within the Permit coverage area, including specific information on various source locations and their magnitude within the Permit coverage area.

c) Prioritization of sources within the Permit coverage area, based on suspected contribution to the impairment, ability to control the source, and other pertinent factors.

d) Identification of BMPs that will address the sources of impairing pollutants and reduce the discharge of impairing pollutants.

e) Prioritization of BMPs, based on expected effectiveness at abating sources and reducing impairing pollutant discharges, as well as other pertinent factors.

f) A detailed BMP implementation schedule. For each BMP, identify milestones the City will use for tracking implementation, measurable goals the City will use to assess implementation efforts, and measures the City will use to assess BMP effectiveness. The City will include expected BMP implementation for future implementation years, with the understanding that future BMP implementation plans may change as new information is obtained.

g) A quantifiable numeric analysis demonstrating the BMPs selected for implementation will likely achieve, based on published BMP pollutant removal performance estimates, best professional judgment, and other available tools, the City’s wasteload allocation according to the schedule identified in the TMDL. This analysis will most likely necessitate modeling efforts. The City will conduct repeat numeric analyses as the BMP implementation plans evolve and information on BMP effectiveness is generated. Once the City has water quality data from the TMDL monitoring program per Section O.2.h; the City will incorporate water quality data into the numeric analyses to validate BMP implementation plans.

h) A detailed description, including a schedule, of the monitoring program the City plans to implement or use to assess discharge and receiving water quality, BMP effectiveness, and progress towards any interim targets and ultimate attainment of the City’s wasteload allocation. The monitoring program will be consistent with any monitoring program information included in the
TMDL documentation. The monitoring program will be designed to validate BMP implementation efforts and quantitatively demonstrate interim target and wasteload allocation attainment. If the approved TMDL does not explicitly include interim targets, the City will establish interim targets (and dates when stormwater discharge conditions will be evaluated) that are equally spaced in time over the TMDL compliance schedule and represent measurable, continually decreasing MS4 discharge concentrations or other appropriate interim measure of pollution reduction and progress towards the wasteload allocation. At least one interim target and date must occur during the five-year term of this Order. The City will achieve its interim targets by the date it specifies in the Wasteload Allocation Attainment Plan. If the City does not achieve its interim target by the date specified, the City will develop and implement more effective BMPs that it can quantitatively demonstrate will achieve the next interim target.

i) A detailed description of how the City will assess BMP and plan effectiveness. The description will incorporate assessment methods described in the CASQA Municipal Stormwater Program Effectiveness Assessment Guide and this Order.

j) A description of how the City will modify the plan to improve upon BMPs that the effectiveness assessment highlights as ineffective.

k) A detailed description of information the City will include in Annual Reports to illustrate progress towards meeting wasteload allocations according to TMDL schedule.

l) A detailed description of how the City will collaborate with other agencies, stakeholders, and the public to develop and implement the Wasteload Allocation Attainment Plan.

m) Any other items identified by TMDL Project Reports or Resolutions or currently being implemented to address TMDL provisions.

3) Reporting

a) Within one year of TMDL approval by the Office of Administrative Law, the City will submit a plan for meeting its wasteload allocations, pursuant to the requirements of this Section, for every TMDL where the City is assigned a wasteload allocation due to its MS4 discharges.

b) In each Annual Report after the City has submitted at least one Wasteload Allocation Attainment Plan, the City will provide a summary of Wasteload Allocation Attainment Plan implementation pursuant to Section O.2.k. The Annual Report will describe all
activities implemented by the City to attain its wasteload allocation. The Annual Report will provide all monitoring data results and include an analysis of the data to determine progress towards attaining the City’s interim targets and its wasteload allocation.

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<th>Implementation Schedule</th>
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Within 6 months of adoption of this order (December 2012):
- Wasteload Allocation Attainment Strategic Plan for the Lower Salinas River Fecal Coliform TMDL
- Within one year of TMDL approval by the Office of Administrative Law:
- Every TMDL where the City is assigned a wasteload allocation due to its MS4 discharges.

Implementation of:
The City will implement the requirements of this provision of the Order.

Effectiveness Assessment
The developed Wasteload Allocation Attainment Plan will incorporate adaptive management to allow the City to make adjustments as new information becomes available and assessments of the effectiveness of control measures are initiated. Key elements in adaptively managing efforts to meet the fecal coliform Wasteload Allocation will be numeric analysis and program effectiveness assessments.
O. Total Maximum Daily Loads

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