

EXECUTIVE SUMMARY

Amendment 2 to the San Diego County Regional Airport Authority (Authority) Storm Water Management Plan (SWMP) was developed during the period from January 2018 to January 2019, with final updates completed in January 2019. The amendment reflects incorporation of language to prohibit over-irrigation, as requested by the California Regional Water Quality Control Board, San Diego Region (RWQCB) following an audit performed in August 2016. Other amendments include updates to the Water Quality Improvement Plan (WQIP) strategies following submittal of the WQIP Annual Reports, and updates to the Jurisdictional Runoff Management Program (JRMP) and the Storm Water Pollution Prevention Plan (SWPPP).

The Authority was created by state legislation to operate the San Diego International Airport (SAN), and to lead the regional strategic air transportation planning effort. As of January 1, 2003, the Authority became the new owner and operator of SAN, a role previously held by the San Diego Unified Port District. Because of this transfer of responsibility, the Authority was required to obtain its own coverage under the appropriate permits and to prepare the associated documentation required as part of the National Pollutant Discharge Elimination System (NPDES) permit program of the Clean Water Act.

This SWMP was prepared by the Authority in accordance with the requirements of two NPDES storm water permits:

- California State Water Resources Control Board Water Quality Order No. 2014-0057-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001, *General Permit for Storm Water Discharges Associated with Industrial Activities* (Industrial Permit); and
- RWQCB, Order No R9. 2013-0001, as amended by Order No. R9-2015-0001 and R9-2015-0100, NPDES No. CAS0109266, *NPDES and Waste Discharge Requirements for Discharges from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds within the San Diego Region* (Municipal Permit).

Pursuant to these permits, this document serves as a SWPPP in terms of the Industrial Permit and a JRMP document in terms of the Municipal Permit. WQIP goals and strategies also have been incorporated into the SWMP, as part of the JRMP. The permits requiring these documents and the relationships between them are shown in Figure ES.1.

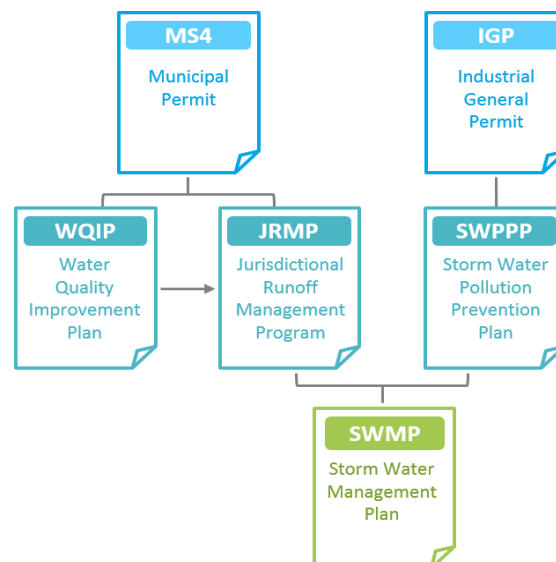


Figure ES 1. Relationship between Permit Required Documents and Storm Water Management Plan

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The Authority is subject to the requirements of the Industrial Permit because it operates SAN. Airports that include maintenance, cleaning, and deicing operations require coverage under the permit; however, only those portions of the facility involved with operations associated with industrial activity are required to be addressed. For example, those involved with mechanical repairs, fueling, deicing, etc. The Industrial Permit requires a Permittee to develop a SWPPP for the facility that is covered by the permit, which identifies and evaluates sources of pollutants from the industrial activities at that facility and identifies, describes, and implements best management practices (BMPs) to reduce or prevent the discharge of those pollutants.

The Authority is subject to the Municipal Permit because it owns and operates an MS4 and the RWQCB has determined that coverage under this local permit is the most appropriate method of regulating the Authority's MS4 discharges (rather than coverage under the statewide general small MS4 permit or an individual permit). The Municipal Permit requires an agency listed under the Municipal Permit (Copermittee) to develop comprehensive programs, collectively referred to as a JRMP, to reduce and eliminate the pollutants entering and discharging to its storm drain systems. JRMPs are required to address numerous aspects of a Copermittee's operations, including the management of the lands under its jurisdiction, and approval of development, maintenance, and education. A Copermittee is also required to identify BMPs that must be implemented for the Copermittee's areas and activities, including, among others, industrial, commercial, and construction areas and activities under the Copermittee's jurisdiction.

Because the requirements of the two permits overlap so extensively, the Authority has chosen to address the documentation requirements of the two permits in a single, comprehensive document, namely, this SWMP.

The SWMP addresses the Municipal Permit requirements of the JRMP document by serving as an informational document that provides a written account of the overall program to be conducted by the Authority to comply with the Municipal Permit. It complies with the Industrial Permit requirements of a SWPPP by describing potential pollutant sources, the BMPs implemented to address them, and other Industrial Permit requirements.

The various sections of this document and the permit requirements that they address are summarized below. The organization of these sections is based on a standardized format developed and agreed upon by the Municipal Permit Copermittees and storm water management approaches that have been developed as guidance by the Copermittees, the County of San Diego's Project Clean Water, and the U.S. Environmental Protection Agency. However, compared with the other Copermittees and MS4 communities, the Authority is unique in that it has no residential uses and owns all of the land under its jurisdiction; therefore, this SWMP is different with respect to organization and approach. It has also been adapted to reflect reorganization under the 2013 Municipal Permit and has been updated to incorporate strategies from the WQIP for the San Diego Bay Watershed Management-Area, developed under Provision B of the Municipal Permit.

The SWMP includes the following elements:

- **Executive Summary** – In response to the reporting requirements of the Municipal Permit, the SWMP contains an Executive Summary, which clearly and concisely describes the purpose and major elements of the SWMP.
- **Signed Certified Statement** – The SWMP contains a signed certified statement that addresses the certification requirements of the Industrial Permit and Municipal Permit.
- **Introduction, Section 1.0** – This section briefly describes the Authority and its environmental setting, and provides regional and general vicinity maps and the Authority's legislative background. The section also outlines the component of this SWMP and describes the storm water drainage system at SAN.
- **Administrative and Legal Procedures, Section 2.0** – This section identifies the departments and staff that conduct urban runoff management activities. The purpose of this section is also to identify and describe relevant legal authorities and enforcement tools.

- **Non-Storm Water Discharges/Illicit Discharge Detection and Determination, Section 3.0** – This section addresses Provision E.2 of the Municipal Permit and Section III of the Industrial Permit, including identifying all potential authorized and unauthorized non-storm water discharges, BMPs in place to control or eliminate those discharges, reporting of illicit discharges, spill response and prevention measures, dry weather monitoring, and inspection and enforcement.
- **Development Component, Section 4.0** – This section addresses the Development Planning Component for New Development and Redevelopment requirements in Provision E.3 of the Municipal Permit. It discusses the Authority's development and environmental review processes and the incorporation of storm water management into those processes, and enforcement procedures.
- **Construction Component, Section 5.0** – This section addresses the Construction Component requirements in Provision E.4 of the Municipal Permit, including the description of approval processes, inventory and prioritization of construction activities, implementation of construction BMPs, and inspection and enforcement.
- **Municipal and Commercial Component, Section 6.0** – This section addresses the requirements of the municipal and commercial components in Provision E.5 of the Municipal Permit, including an inventory and prioritization of municipal and commercial activities and areas, characterization of potential pollutant sources from these activities and areas, implementation of BMPs, and inspection and enforcement.
- **Industrial Component, Section 7.0** – This section addresses the requirements of the Industrial Components in Provision E.5 of the Municipal Permit and Sections X.D.1, X.D.2, X.F, X.G.1, X.G.2, and X.H.1 through 4, of the Industrial Permit, including the pollution prevention team, an inventory and prioritization of industrial activities and areas, characterization of potential pollutant sources from these activities and areas, authorized and unauthorized non-storm water discharges, implementation of BMPs, exceedance response actions, and inspection and enforcement.
- **Residential Component, Section 8.0** – There are no residential land uses or activity areas within the Authority's jurisdiction. For this reason, the SWMP contains no discussion of activities conducted by the Authority relative to the Residential Component of the Municipal Permit.
- **Public Participation and Education Component, Section 9.0** – This section addresses the training requirements of the Industrial Permit and the requirements in Provision E.7 of the Municipal Permit. It discusses education for Authority staff, airport tenants, and the public, as well as mechanisms for the public to participate in the implementation of the Authority's SWMP.
- **Fiscal Analysis Component, Section 10.0** – This section addresses the requirements of Provision E.8 of the Municipal Permit, including methods to secure funds for storm water programs, the strategy for developing a Fiscal Analysis, and annual reporting.
- **Effectiveness Assessment Component, Section 11.0** – As required by the Municipal Permit, this section discusses a strategy to assess the effectiveness of the Authority's SWMP through water quality assessments, various levels of program assessment, and program review and modification. It also includes assessments of monitoring results required to fulfill the requirements in Section XII of the Industrial Permit.
- **Reporting, Section 12.0** – This section outlines reporting required by the Municipal Permit, including JRMP and WQIP annual reports and updates, and the Industrial Permit, including Annual and Exceedance Response Action reports.
- **Modifications to the SWMP, Section 13.0** – The section provides the modifications made to the previous SWMP to meet the requirements of the new Municipal Permit and the new Industrial Permit.

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- **Conclusions and Recommendations, Section 14.0** – This section is included in response to Municipal Permit Attachment B requirements.
- **References, Section 15.0** – This section provides a list of documents referred to during the preparation of this SWMP.
- **Appendices** – The appendices to the SWMP contain supporting information such as Authority regulations, detailed BMP information, the Authority’s BMP Design Manual, and monitoring programs. Of specific relevance to permit requirements, Appendix D (Monitoring Programs) addresses the Monitoring Program requirements of Section X.I of the Industrial Permit and the dry and wet weather monitoring requirements of the Municipal Permit.