
Executive Summary

The San Diego County Regional Airport Authority (Authority) was established by the California Legislature as a local regional government entity with authority to operate the San Diego International Airport (SAN). On January 1, 2003, the Authority was required to obtain coverage under the applicable sections of the National Pollutant Discharge Elimination System (NPDES) permit program of the Clean Water Act and to prepare any associated documentation that was required.

This Storm Water Management Plan (SWMP) was prepared by the Authority in accordance with the requirements of two NPDES stormwater permits:

- "State Water Resources Control Board (SWRCB) Water Quality Order No. 97-03-DWQ, NPDES General Permit No. CAS000001, Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities; (referred to in this document as the General Industrial Permit); and
- "California Regional Water Quality Control Board, San Diego Region (RWQCB), Order No R9. 2007-0001, NPDES No. CAS0108758, Waste Discharge Requirements for Discharges of Urban Runoff from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds of the County of San Diego (County), the Incorporated Cities of San Diego County, the San Diego Unified Port District, and the San Diego County Regional Airport Authority; (referred to in this document as the Municipal Permit).

As an airport, SAN has been subject to the requirements of the General Industrial Permit since 1992. The General Industrial Permit requires a Permittee to develop a Storm Water Pollution Prevention Plan (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 San Diego RWQCB has determined that coverage under this local permit is the most appropriate method of regulating the Authority's MS4 discharges. The Municipal Permit requires a Permittee to develop comprehensive programs, collectively referred to as a Jurisdictional Urban Runoff Management Program (JURMP) Document, to reduce and eliminate the pollutants entering and discharging from its storm drain systems. A JURMP is required to address numerous aspects of an jurisdiction's operations, including the management of the lands under their jurisdiction, approval of development, facility maintenance, and education. A Permittee is also required to identify BMPs that must be implemented for areas and activities within the jurisdiction, including industrial, commercial, and construction areas and activities.

This document serves as a SWPPP in terms of the General Industrial Permit and a JURMP Document in terms of the Municipal Permit. Because the requirements of the two permits overlap so extensively, the Authority has chosen to address the documentation requirements of the two permits with a single, comprehensive document, namely this Storm Water Management Plan.

The SWMP addresses the Municipal Permit requirements of the Jurisdictional URMP 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 permit. It complies with the General Industrial Permit requirements of a SWPPP by describing potential pollutant sources and the BMPs implemented to address them.

Below is a summary of the various sections of this document and the permit requirements that they address. The organization of these sections is based on a standardized format developed and agreed upon by the Municipal Permit Copermittees (Copermittees) and stormwater management approaches that have been developed as guidance by others, including Copermittees and the U.S. Environmental Protection Agency. The Authority is unique compared to other Copermittees and other MS4-communities in that there are no residential uses within the jurisdiction and the Authority holds a master-lease for all of the land under its jurisdiction. Therefore, this SWMP is different in some respects to organization and approach. The SWMP includes the following elements:

- **Executive Summary** - a clear and concise description of the purpose and major elements of the SWMP.
- **Signed Certified Statements** - a signed statement addressing the certification requirements of both the General Industrial Permit and Municipal Permit, and a signed, certified statement of the Authority General Counsel that the Authority has adequate legal authority to implement and enforce each of the requirements contained in 40 CFR 122.26(d)(2)(i)(A-F) and the Municipal Permit, as required by Municipal Permit Sections C.2 and J.1.a.(3)(b)i.
- **Introduction** - an outline of the purpose of the document, an overview of the Authority and the Authority's obligations to manage stormwater runoff at the airport, and a presentation of the environmental setting of the airport.
- **Administrative and Legal Procedures** - an identification of all departments and staff that conduct urban runoff management activities. This section also identifies and describes all relevant legal authorities.
- **Non-stormwater Discharges** - an identification of all potential authorized and unauthorized non-stormwater discharges, and the BMPs in place to control or eliminate those discharges (as required by Section D.4 of the Municipal Permit and Section A of the General Industrial Permit).
- **Development and Planning Component** - a description of the Authority's development and environmental review processes and the incorporation of stormwater management elements into those processes.
- **Construction Component** - a description of the approval processes, methods of generating an inventory and the prioritization of construction activities, the BMPs required to address construction activities, and construction activity inspection and enforcement.
- **Municipal Component** - a description of methods of generating an inventory and prioritization of municipal activities and areas, characterization of potential pollutant sources from these activities and areas, the BMPs required to address municipal activities, and inspection and enforcement (as required by Section D.3.a of the Municipal Permit and Section A of the General Industrial Permit).
- **Industrial and Commercial Component** - a description of methods of generating an inventory and prioritization of industrial and commercial activities and areas, characterization of potential pollutant sources from these activities and areas, the BMPs required to address industrial and commercial activities, and inspection and enforcement (as required by Section D.3.a of the Municipal Permit and Section A of the General Industrial Permit). This section presents the bulk of documentation required by Section A of the General Industrial Permit regarding the development and implementation of a SWPPP.

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- **Residential Component** - brief explanation of the non-existent residential land uses or activity areas within the Authority's jurisdiction and the absence of stormwater management program elements relative to the Residential Component (Section D.3.c) of the Municipal Permit.
 - **Illicit Discharge Detection and Elimination Component** - a description of mechanisms for reporting illicit discharges, spill prevention and response measures, wet and dry weather monitoring programs, and inspection and enforcement activities (as required by Section D.4 of the Municipal Permit and Section A of the General Industrial Permit).
 - **Education Component** - a description of the program elements designed to address both the training requirements of the General Industrial Permit and the education requirements of the Municipal Permit (Section D.5). The section discusses education for Authority staff, as well as tenants and the public.
 - **Public Participation Component** - a description of the mechanisms in place to enable the public to participate in the implementation of the Authority's SWMP.
 - **Fiscal Analysis Component** - a description of the methods to secure funds for stormwater programs, program expenditures and budgets, and the strategy for developing standardized fiscal analysis and annual reporting.
 - **Effectiveness Assessment** - a discussion of the strategy to assess the effectiveness of the Authority's SWMP through water quality assessments, various levels of program assessment, and program review and modification.
 - **Modifications to the SWMP** - an outline of the modifications made to the SAN SWMP January 2005 to meet the requirements of the renewed Municipal Permit and to incorporate results of recent studies conducted by the Authority in 2005 and 2006.
 - **Conclusions and Recommendations** - a discussion of any key conclusions or recommendations derived as a result of updating the SWMP in response to the renewed Municipal Permit.
 - **Appendices** - The appendices to the SWMP contain supporting information such as Authority regulations, detailed BMP information, the Authority's Standard Urban Stormwater Mitigation Plan (SUSMP), and monitoring programs. Of specific relevance to permit requirements, Appendix D (Monitoring Programs) addresses the Monitoring Program and Reporting requirements of the General Industrial Permit and the dry and wet weather monitoring requirements of the Municipal Permit.