

12.0 REPORTING

12.1 MUNICIPAL PERMIT REPORTS

The Municipal Permit requires Copermittees to submit deliverables in the form of Annual Reports and updates to ensure compliance. The Authority's JRMP implementation and results will be documented and communicated to the RWQCB and the public through the reports described in Sections 12.1.1 through 12.1.4. When requested, the Authority, along with the other Responsible Parties, will appear before the RWQCB to present progress reports on implementation of the San Diego Bay WQIP program and individual JRMPs.

12.1.1 TRANSITIONAL REPORTS

Until the first WQIP Annual Report was submitted, the Authority continued to submit a JRMP Annual Report by October 31 of each year for the previous reporting period of July 1 to June 30. The JRMP Annual Report includes a completed JRMP Annual Report Form (Attachment D of the Municipal Permit) and any required additional information to explain or clarify the responses in the form.

The Copermittees jointly submitted a Transitional Monitoring and Assessment Annual Report by January 31 of each year following each transitional monitoring and assessment reporting period of October 1 through September 30 until the first WQIP Annual Report was submitted. The Transitional Monitoring and Assessment Program Annual Report included receiving water and MS4 outfall discharge monitoring data, as well as the assessments of those data, and any required reporting from the previous Municipal Permit (R9-2007-0001).

12.1.2 WATER QUALITY IMPROVEMENT PLAN ANNUAL REPORT

The San Diego Bay WQIP Annual Report provides updates to, and results from, the WQIP program. The Authority and other Responsible Parties submit the WQIP Annual Report for each reporting period of July 1 to June 30 before January 31 of the following year. In accordance with Provision II.F.3.b.(3) of the Municipal Permit, the WQIP Annual Report includes the following information:

- Receiving water and MS4 outfall discharge monitoring data;
- Updates on the Authority's (and other Responsible Parties') contribution and progress toward completing special studies, including the results, interpretations, and conclusions following completion of each phase;
- Assessments, conclusions, and recommendations for receiving water quality, MS4 outfall discharge reduction, special studies, and WQIP program monitoring;
- Progress toward achieving interim and final numeric goals for highest and focused priority water quality conditions for the WMA;
- Description of the implemented WQIP strategies and those planned for implementation during future reporting periods;
- Description of WQIP strategies that were removed or anticipated but not implemented during the current and previous reporting periods;
- Proposed modifications to the WQIP strategies and supporting rationale;
- Comments received during the WQIP update public comment period;
- Previous modifications or updates incorporated into the WQIP and/or JRMP document;

- Proposed modifications to the WQIP and/or JRMP document and supporting rationale;
- Completed JRMP Annual Report Form (Attachment D of the Municipal Permit) for each responsible party, certified by a Principal Executive Officer, Ranking Elected Official, or DAR;
- Data or documentation used in the WQIP Annual Report, if requested by the RWQCB; and
- Monitoring and assessment data used in the WQIP Annual Report, which will be uploaded to the California Environmental Data Exchange Network and made available on the Regional Clearinghouse described in Section 12.1.4.

In FY 2022, the Authority met their WQIP goals of less than 20 percent and 25 percent exceedances for dissolved copper and dissolved zinc in wet weather discharges respectively, and continued to meet the FY 2018 goal of sweeping 21 acres in Drainage Basins 1, 3, and 5.

Water Quality Improvement Plan Update

As part of the adaptive management process, the WQIP will be updated in response to the results of the assessment presented in the WQIP Annual Report. As required under Provision F.2.c.(1)(a) of the Municipal Permit, the Authority and the other Responsible Parties will implement a public participation process to incorporate information, recommendations, and comments from the general public into the WQIP update. The WQIP Consultation Panel held a meeting in early 2017 to provide an opportunity for representatives of the RWQCB, environmental community, development community, and the public to comment on all aspects of the WQIP update, including the highest and focused priority water quality conditions, sources, and water quality improvement strategies, and to recommend additional updates. The Authority will continue to work with the other Responsible Parties to incorporate any proposed updates to the WQIP, and the supporting rationale, either as part of the WQIP Annual Report or the ROWD.

Final updates will be implemented 90 days after submission of the WQIP updates, unless otherwise directed by the RWQCB. Updates to the WQIP will be made available on the Regional Clearinghouse within 30 days following acceptance by the RWQCB.

12.1.2.1 Jurisdictional Runoff Management Program Document Update

This SWMP represents the Authority's updated JRMP, in accordance with the requirements in Municipal Permit Provisions F.2.a.(1) and F.2.a.(2). The Authority will also update its SWMP as necessary during submittal of WQIP Annual Reports or as part of the ROWD. The updated JRMP will be made available on the Regional Clearinghouse within 30 days following the WQIP Annual Report submittal.

12.1.2.2 BMP Design Manual Update

The BMP Design Manual was developed regionally by the Copermittee Land Development Workgroup and replaces the previous SUSMP. The BMP Design Manual includes the elements described in Section 4.7. The Authority continued to implement the SUSMP until the new BMP Design Manual was adopted in February 2016 and amended in January 2022. Subsequent updates to the BMP Design Manual will be submitted with the WQIP Annual Reports or the ROWD. The updated BMP Design Manual is available on the Regional Clearinghouse via a link to the Authority's webpage.

12.1.3 REPORT OF WASTE DISCHARGE

The Authority and the other Municipal Permit Copermittees reapplied for coverage prior to expiration of the Municipal Permit on June 27, 2018, in accordance with the CFR Duty to Reapply [40 CFR 122.41]. The ROWD was submitted no later than December 24, 2017, as part of the application for reissuance of Order number R9-2013-0001 (NPDES Permit number CAS0109266).

The ROWD included the following information:

- Names and addresses of Copermittees;
- Names and titles of Authority and Copermittee primary contacts;
- Proposed updates and supporting rationale for changes to the WQIP;
- Proposed updates and supporting rationale for changes to the JRMP;
- Additional updates to the JRMP, WQIP, or BMP Design Manual that were not included in the WQIP Annual Reports; and
- Applicable information required under federal regulations for reissuance of the NPDES Permit.

12.1.3.1 Regional Monitoring and Assessment Report

The Regional Monitoring and Assessment Report was submitted no later than December 24, 2017, as part of the ROWD. In compliance with Provision II.F.3.c of the Municipal Permit, the Regional Monitoring and Assessment Report considered receiving water and MS4 outfall discharge monitoring and assessment data, results, and conclusions from previous reporting years. Based on these considerations, the report assesses, within the San Diego region, the following:

- Are beneficial uses of receiving waters being supported or adversely impacted by MS4 discharges?
- What is the progress toward protecting the beneficial uses of receiving waters?
- What are the pollutants or conditions of emerging concern that may impact the beneficial uses of receiving waters?

Recommendations for improving strategies, implementation, and assessment of the WQIP and JRMP were included in the Regional Monitoring and Assessment Report. Any Authority data used in preparation of the report will be made available on the Regional Clearinghouse described in Section 12.1.4.

12.1.4 REGIONAL CLEARINGHOUSE

The Authority and the Responsible Parties will continue to maintain and update the internet-based Regional Clearinghouse (www.projectcleanwater.org) in accordance with Provision II.F.4 of the Municipal Permit. This Regional Clearinghouse will be organized according to WMA and will continue to be used to make responsible party documents available to the public. These documents include, but are not limited to, the following (per WMA):

- WQIPs and all updates;
- Annual Reports;
- Jurisdictional Runoff Management Program documents and all updates;
- BMP Design Manual and all updates;
- Special Study reports;
- Monitoring data links to California Environmental Data Exchange Network (where data will be uploaded); and
- GIS data, layers, and/or shapefiles used to develop applicable maps.

In addition, the Authority will provide contact information, the public storm water hotline telephone number and email address, a link to the Authority webpage, information on Authority-sponsored public participation activities available, reports from regional monitoring programs where the Authority is a participant, the

Regional Monitoring and Assessment Program, and additional data or information that the Authority deems appropriate for public access.

12.1.5 STANDARD PERMIT PROVISIONS AND GENERAL PROVISIONS

Federal regulation 40 CFR 122.41(l) requires the Authority to notify the RWQCB as soon as possible of any changes to the airport property or activities that may result in any of the following:

- Planned physical alterations or additions to airport facilities that may result in a new source of pollutants, or a significant change in the nature or quantity of pollutants discharged; and
- Anticipated non-compliance with the requirements of the Municipal Permit.

Any occurrence of non-compliance that may threaten health or the environment, such as an unanticipated bypass or upset that exceeds effluent limitations, or any violation of maximum daily discharge limitations, will be verbally reported to the RWQCB within 24 hours from the time the Authority becomes aware of the incident, followed by a written notification within 5 days (unless the RWQCB waives this requirement). The written report must include:

- A description of the incident and its cause;
- The period of non-compliance (dates/times);
- If not corrected, anticipated time until correction; and
- Steps taken or planned to prevent reoccurrence of the non-compliance.

All other instances of non-compliance will be included annually in the monitoring reports.

General Provisions of the Municipal Permit require any reports submitted to comply with any Municipal Permit requirements to include an executive summary, introduction, conclusion, recommendations, and signed certified statement covering the Authority's responsibilities, in a hard copy and an electronic copy to the RWQCB, unless requested otherwise, and one electronic copy to the USEPA.

12.2 INDUSTRIAL PERMIT REPORTS

An Annual Report is submitted each year in accordance with Section XVI of the Industrial Permit. Currently, SAN is at Level 2 for copper, zinc, and pH. Iron went from Level 1 to baseline on July 1, 2023, following four QSEs without an annual average NAL exceedance. There were two instantaneous maximum NAL exceedances for pH during the 2022-2023 monitoring year, and as a result SAN entered Level 2 status for pH. .

Sampling results from the 2015–2016 reporting period indicated an NAL exceedance for copper ,and SAN entered Level 1 status for that parameter beginning on July 1, 2016. The Authority also submitted an ERA Report because of this NAL copper exceedance. By the end of the 2016–2017 reporting period, sampling results indicated NAL exceedances for copper and zinc. Subsequently, SAN entered Level 1 status for zinc and Level 2 status for copper, beginning on July 1, 2017. An ERA Evaluation and Report was submitted for the Level 1 status for zinc. An ERA Action Plan was submitted for the Level 2 status for copper, and an ERA Technical Report will be submitted in December 2025 once all tasks in the Action Plan are completed. By the end of the 2017–2018 reporting period, sampling results indicated NAL exceedances for copper, zinc, BOD, and COD. Subsequently, SAN entered Level 1 status for BOD and COD and Level 2 status for copper and zinc, beginning July 1, 2018. An ERA Evaluation and Report was submitted for the Level 1 status for BOD and COD. A revised ERA Action Plan was submitted for the Level 2 status for copper and was modified to incorporate zinc, and two extension requests for the ERA Technical Report were submitted to allow time for all tasks in the Action Plan to be completed. For the monitoring years 2018–2019 and 2019–2020, sampling results indicated NAL exceedances for copper but no additional NAL exceedances for zinc,

BOD, or COD. However, SAN will remain in Level 2 for zinc until requirements of the ERA Level 2 Technical Report extension are completed. COD and BOD concentrations were below the NAL for three storms in 2018–2019 and the consecutive first storm of the 2019–2020 monitoring season. As a result, SAN returned to Baseline status for both COD and BOD. Beginning on July 1, 2020, SAN remained in ERA Level 2 status for copper and zinc. Zinc concentrations did not exceed the NAL in the 2020–2021 reporting period, but SAN remains in ERA Level 2 status for these parameters because the technical report has not yet been completed. By the end of the 2020–2021 reporting period, sampling results indicated NAL exceedances for iron. Subsequently, SAN entered Level 1 status for iron and remained in Level 2 status for copper and zinc beginning on July 1, 2021. By the end of the 2021–2022 reporting period, sampling results for copper, zinc, iron, and pH indicated NAL exceedances or SAN was already at ERA Level or Level 2 status for these parameters and was awaiting four consecutive storms with concentrations lower than NAL levels or completion of ERA actions to return to Baseline status. Three sites had instantaneous NAL exceedances for pH, and as a result SAN entered Level 1 status for pH. These reports are described in Section 12.2.2.

12.2.1 INDUSTRIAL PERMIT ANNUAL REPORT

The Industrial Permit Annual Report, in a standardized format generated under the Industrial Permit, must be submitted in SMARTS by July 15 following each reporting year (July 1 through June 30). The Annual Report includes the following:

- A Compliance Checklist indicating compliance with all applicable Industrial Permit requirements;
- An explanation of any noncompliant activities or events within the reporting year;
- A description of any revisions applied to the SWPPP during the reporting year and their location within the SWPPP; and
- The date of the Annual Evaluation, as described in Section 7.16.

The Authority submits any sampling and analytical results via the SWRCB's SMARTS website within 30 days of obtaining all results for each sampling event.

12.2.2 EXCEEDANCE RESPONSE ACTION REPORTING

An ERA Report is submitted by January 1, only if SAN enters Level 1 or Level 2 status at any point during the previous reporting period. ERAs are conducted in response to an annual or instantaneous maximum NAL exceedance, as defined in Section XII of the Industrial Permit. ERA analyses, plans, and reports are completed by a certified QISP and submitted in SMARTS. The ERA documents required for each level include the following:

Level 1

- ERA Report:
 - A description of any revisions to the SWPPP necessary to address the potential pollutant source(s) related to the NAL exceedance;
 - BMP additions or modifications necessary to prevent future NAL exceedances;
 - A summary of the required SWPPP revisions; and
 - The name, identification number, and contact information for the QISP assigned to perform the ERA evaluation and prepare the report.

Level 2

- ERA Action Plan:

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- A separate ERA Action Plan is submitted for each new parameter detected at a concentration that exceeded the NAL or for equivalent parameters detected at concentrations that exceeded NALs in different drainage areas. The Action Plan identifies the BMP demonstration(s) to be performed in each corresponding drainage area to prevent future NAL exceedances.
- The ERA Action Plan that includes a schedule and description of tasks required to complete the BMP demonstration(s).
- ERA Technical Report:
 - The Authority selects a BMP demonstration from the list provided in Sections XII.D.2.a through XII.D.2.c of the Industrial Permit to address the source(s) of each pollutant with a NAL exceedance. The ERA Technical Report includes a detailed description of the BMP demonstration chosen to address each NAL exceedance.
 - The ERA Technical Report is updated annually to include additional NAL exceedances of the same parameter and drainage area, activity or operational changes, pollutant source(s) changes, and/or additional information acquired through visual observations, evaluations, and sampling as applicable. If no changes are necessary, the Authority explains in the Annual Report why resubmittal of the ERA Technical Report is not necessary.

Further information about the ERA levels, evaluations, planning, and reporting is provided in Section 7.15.