

13.0 MODIFICATIONS TO THE SWMP

This SWMP was updated from the March 2008 version to comply with the new requirements of the Municipal Permit and Industrial Permit, and to incorporate new developments and BMPs installed during the Green Build Northside Development and other redevelopments at SAN. As part of the iterative process for the WQIP and any required updates to the SWPPP, the SWMP may be modified to reflect programmatic changes and/or strategy improvements as a result of WQIP and NAL assessments required under the respective permits. Proposed changes to the SWMP or applicable program modifications are included in the Annual Reports for the Municipal Permit and the Industrial Permit.

Modifications Made to the Overall Structure of the SWMP and Incorporated into the SWMP June 2015 Revision to Bring this Document into Conformance with the Renewed Municipal Permit and the Industrial Permit:

- Previous Sections 3.0 and 9.0 were combined into the new Section 3.0 “Non-Storm Water Discharges/Illicit Discharge Detection and Elimination.”
- Previous Sections 10.0 and 11.0 were combined into the new Section 9.0 “Public Participation and Education Component.”
- Sections regarding compliance with the Industrial Permit were separated from the rest of the SWMP. Section 7.0 was modified so that it could be extracted from the remainder of the SWMP for uploading to SMARTS per Industrial Permit requirements. An attachment to Section 7.0 will include material from other sections of the SWMP that are referenced in Section 7.0 and will be uploaded with Section 7.0 into SMARTS. This attachment is for SMARTS upload purposes only and will not be included in this SWMP.
- Tables 1 through 9 were transferred from the end of the document into their corresponding sections.
- Appendices D-1 and D-2 were rearranged for wet and dry weather monitoring into Appendices D-1 and D-2 for Industrial Permit Monitoring Implementation Plan and Municipal and BMP Effectiveness Monitoring Plan, respectively.
- The JRMP was updated in accordance with the strategies identified in the WQIP.

Modifications Made to the SWMP in February 2016:

- The BMP Design Manual replaced the SUSMP in Appendix C, and related updates to Sections 4.0 and 12.0 were made.

Modifications Made to the SWMP Following the Annual Evaluations (2015 and 2016), ERA Site Assessment (2016) and WQIP Annual Report (2017) include:

- Updates were made to the Industrial Component, Section 7.0, following the Annual Evaluation and ERA, including update of the LRP and addition of the QISP.
- Appendix B was updated following the Annual Evaluations (2015 and 2016) and ERA (2016).
- Updates were made to Appendix D-1 following the Annual Evaluations (2015 and 2016) and ERA (2016).
- Updates were made to the tenant summary sheets and maps in Appendix E following the Annual Evaluations.
- Sampling locations were modified to collect samples representative of activities conducted in specified drainage basins.

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- Sampling procedures, sampling sites, data quality objective table, and sampled analytes were updated in Appendix D-1.
- The following BMPs were added to Appendix B as a result of the ERA Evaluation:
 - SC09-8 Repair damaged asphalt.
 - SC09-9 Reduce the exposure of galvanized or rusty metal structures to rainfall, where possible.
 - SC12-12 Roads, ramp areas, and apron areas are scrubbed on an as-needed basis.
- The SWMP was modified to enhance the information included in Section 7.0 and Appendices B, D and E for tenants Menzies Fuel Farm and Aircraft Services International Group (now Menzies), and to add information for the new tenant Conrac Solutions, in anticipation of their incorporation into the Authority's program and WDID number under the Industrial Permit. Incorporation of those tenants under the Authority's WDID is dependent upon approval by the state and RWQCB of the Authority's COI and tenant notices of termination.
- Tenant Summary Sheets and Appendix E figures were updated to reflect tenant operations.
- Figures 3-7 were updated to reflect changes in the tenant gates, sampling locations, and new TCBMPs installed.
- The WQIP sweeping goal was amended slightly in Section 11.0 to reflect the most up-to-date information collected on the runway/taxiway sweeping program, and older goals incorporated into draft versions of the WQIP (which are no longer included in the final WQIP) have been removed.

Modifications Made to the SWMP Following the Annual Evaluation (September 2017) and ERA (July/August 2017)

- Updates were made to the Industrial Component, Section 7.0, following the Annual Evaluation and ERA Evaluation;
- All BMP Summary Sheets and maps were updated in Appendix B to reflect tenant and tenant gate changes, to reflect the change of Aircraft Services International Group to Menzies, and to include the airline Edelweiss that began operations at SDIA in May 2017.
- Updates were made to Appendix D-1 to reflect changes in sampling locations for the 2017–2018 monitoring year.
- Updates were made to the tenant summary sheets and maps in Appendix E following the Annual Evaluation (September 2017).
- Figures 3 through 7 were updated to reflect changes in the tenant gates and sampling locations and to include the airline Edelweiss.
- The tenant Aircraft Services International Group was renamed Menzies during summer 2017, and the Industrial Component, Section 7.0, Appendix B, Appendix E, and Figures 3 through 7 were updated to reflect this change.
- The following BMPs were added to Appendix B as a result of the ERA Evaluation and Annual Evaluation:
 - SC01-10: Prohibit over-irrigation of landscaped areas.
 - SC07-13: Do not permanently store equipment and materials in the bed of a pickup truck. If storing temporarily, provide cover and containment.

Modifications Made to the SWMP Following the Annual Evaluation (September/October 2018) and ERA (August 2018)

- Updates were made to the Industrial Component, Section 7.0, following the Annual Evaluation and ERA Evaluation.
- All applicable BMP Summary Sheets and maps were updated in Appendix B to reflect any tenant and tenant gate changes.
- Updates were made to Appendix D-1 to reflect changes in sampling locations for the 2018–2019 monitoring year.
- Updates were made to the tenant summary sheets and maps in Appendix E following the Annual Evaluation (September/October 2018).
- Figures 3 through 7 were updated to reflect changes in the tenant gates and sampling locations.
- Minor updates were made to the drainage basins in Section 1.0.
- Updates were made to Authority departments in Section 2.0 following organizational changes at SAN, and subsequent assignment of roles and responsibilities.
- Further BMPs and details were added on the prohibition of over-irrigation in Section 3.0 (and throughout the SWMP), and details on the FOD Management Program at SAN. The outline of potential NSWDs at SAN was reorganized in Sections 3.1.1 through 3.1.2.
- Updates were made to Section 4.0 in January 2019, following finalization of the Strategic Master Drainage Plan and change in the storm water capture and reuse WQIP strategy from an optional to a jurisdictional strategy.
- Updates were made to Section 5.0 in January 2019, to add the current (as of January 2019) construction sites and the method of assigning TTWQ designations for construction sites.
- Updates were made to Section 6.0 in January 2019, following the designation of additional minimum BMPs, and addition of specific BMPs for preventing over-irrigation.
- Section 7.0 was modified in January 2019 to incorporate updates as a result of ERAs and the 2018 annual evaluation.
- Language was added to Section 9.0 to emphasize the over-irrigation education and outreach conducted and to add information on the Sustainability Fair.
- Section 11.0, Table 11-1 was updated to show all interim and final WQIP goals.
- Section 12.0 was updated to reflect the latest ERAs and reporting following the 2017-2018 monitoring season.

Modifications Made to the SWMP Following the Annual Evaluation (September/October 2019) and ERA (August 2019)

- Updates were made to the Industrial Component, Section 7.0, following the Annual Evaluation and ERA Evaluation.
- All applicable BMP Summary Sheets and maps were updated in Appendix B to reflect any tenant and tenant gate changes.
- Updates were made to the tenant summary sheets and maps in Appendix E following the Annual Evaluation (September/October 2019).

Modifications Made to the SWMP Following the Annual Evaluation (September 2020) and ERA (August 2020)

- Updates were made to the Industrial Component, Section 7.0, following the Annual Evaluation and ERA Evaluation.
- All applicable BMP Summary Sheets and maps were updated in Appendix B to reflect any tenant and tenant gate changes.
- Updates were made to the tenant summary sheets and maps in Appendix E following the Annual Evaluation (September 2020).
- Minor updates were made to Drainage Basin 3 in Attachment 1 Section 1.0.
- Minor updates were made to Attachment 1 Section 3.0 to update the name of the facility of Allied Aviation to Menzies Fuel Farm.
- Updates were made to Section 6.0 to include new TCBMPs and any other updates to the TCBMP inventory.
- Section 12.0 was updated to reflect the latest ERAs and reporting following the 2019-2020 monitoring season.

Modifications Made to the SWMP Following the Annual Evaluation (September 2021) and ERA (August 2021)

- Updates were made to the Industrial Component, Section 7.0, following the Annual Evaluation and ERA Evaluation.
- All applicable BMP Summary Sheets and maps were updated in Appendix B to reflect any tenant and tenant gate changes.
- Updates were made to the tenant summary sheets and maps in Appendix E following the Annual Evaluation (September 2021).
- Updates were made to descriptions of Drainage Basins 3, 4, 5a, 6, 7, 8, 9, 10, 11 and 14 in Section 1.0, and off-airport parcel descriptions were added.
- Updates were made to Section 6.0 to include new treatment control BMPs and any other updates to the treatment control BMP inventory.
- Section 12.0 was updated to reflect the latest ERAs and reporting following the 2020–2021 monitoring season.
- Updates were made to the escalated enforcement measures in Sections 3.0, 4.0, 6.0, and 7.0.

Modifications Made to the SWMP Following the Annual Evaluation (September/October 2022) and ERA (August 2022)

- Updates were made to the Industrial Component, Section 7.0, following the Annual Evaluation and ERA Evaluation.
- All applicable BMP Summary Sheets and maps were updated in Appendix B to reflect any tenant and tenant gate changes.

- Updates were made to the tenant summary sheets and maps in Appendix E following the Annual Evaluation (September/October 2022).
- Updates were made to descriptions of Drainage Basins 3, 4, 6, 7, 8, 14 and 15 in Section 1.0.
- Updates were made to Section 6.0 to include new treatment control BMPs and any other updates to the TCBMP inventory.
- Section 12.0 was updated to reflect the latest ERAs and reporting following the 2021–2022 monitoring season.
- Updates were made to Drainage Basins 3, 5, and 12 in the site maps to reflect the changes in directions of flow after completion of the FMD Cistern and NSU Force Main.
- Updates were made to the BMP descriptions in Appendix B:
 - SC04-02 was modified as follows, “Use dry washing and surface preparation techniques where feasible or submit a Wash Water Management Plan to P&EAD for review and approval if wet washing techniques will be used.”
 - SC09-10 was added: “Regularly inspect roof top conditions for deteriorated roof coating/sealant and accumulated dust.”