

Work Plan No. C.10-01 Stormwater Industrial General Permit Support

Scope:

Task 1 - Ongoing Storm Water Monitoring Support

Vendor will provide storm water monitoring and sampling services at the BART Shops to fulfill the sampling requirements of the Industrial General Permit (IGP). The annual scope includes the collection of storm water samples from two qualifying storm events (QSEs) within the first half of the reporting year (July 1 to December 31) and from two QSEs within the second half of the reporting year (January 1 to June 30) at sample locations summarized in Table 1.

Please note that the BART Hayward Shop storm water flows to a detention basin that produces no discharge; therefore, storm water sampling is not required for that Shop.

When targeting a QSE for storm water sampling, vendor should consult the National Oceanographic and Atmospheric Administration (NOAA), or similar, for weekly weather forecasts. Weather reports with precipitation data are printed and provided to BART shop personnel to be maintained with the SWPPP to document precipitation totals and antecedent moisture conditions (preceding wetness conditions).

A QSE is defined as any precipitation event that:

- Produces a discharge from at least one drainage area; and
- Is preceded by 48 hours with no discharge from any drainage area.

Sample collection occurs within four hours of:

- The start of discharge; or
- The start of facility hours if the QSE occurred within the previous 12 hour period representing non-business hours.

Sample collection of storm water discharges occurs when conditions are safe (during daylight hours) and samples are collected using grab sampling techniques.

The proposal assumes that two visits will be required at each of the BART maintenance shops to obtain the required QSE samples for the year (with the exception of Hayward).

Upon receipt of the laboratory analytical reports, vendor will perform a data quality review, resolve data quality issues (if any), and then submit the analytical reports to the BART Project Director. If requested by BART, vendor will also enter the storm water results into SMARTS.

This proposal is to support BART with MS4 services including the following:

- Compliance with the Phase II MS4 General Permit

SERVICES

The services provided in this work directive proposal are summarized in this section. Details of these services are provided in the Work Breakdown Structure section below.

Task 2 – On-Call MS4 Compliance Services

Vendor may provide on-call services to BART in support of the MS4 program. Vendor may assist with some or all of the scope items as described in the work breakdown structure below, at the direction of the BART Project Director.

Task 3 – Stormwater Compliance Support

Vendor will provide on call stormwater compliance support for the General Permit for Storm Water Discharges Associated with Industrial Activities (Order No. 2014-0057-DWQ).

This includes as regulatory compliance support including online Storm Water Multiple Application and Report Tracking System (SMARTS) support, Storm Water Pollution Prevention Plan (SWPPP) revisions, Qualified Industrial Stormwater Practitioner (QISP) assistance and expertise, and Annual Report support, Level 1 Exceedance Response Action (ERA) Reporting, and Level 2 Technical Reporting for various yards as needed.

One annual inspection will be conducted concurrently with the site inspections supported under the IGP ongoing stormwater compliance support.

Task 2 – On-Call MS4 Compliance Services

A detailed description of the services vendor will provide under Task 2 are presented below.

Task 2A – Program Overview and Meetings

At BART's request, vendor will provide appropriate BART personnel with an overview of the BART MS4 program activities to-date. Vendor will generate presentation materials and gather appropriate data and documentation to summarize BART actions in response to the Phase II MS4 General Permit.

Task 2B - Annual Reporting for applicable Permit Year

To help BART complete the required annual reporting in SMARTS, vendor will gather documentation and summaries of work performed prior to 1 July 2023. This task includes costs for vendor to assist BART with annual reporting.

Task 2C – Assist with Public Involvement and Participation Materials

BART may consider producing or updating public involvement signage and online content about stormwater. Task 2C is for vendor to assist BART with development of such public involvement content. This task may involve meetings with appropriate BART departments, drafting of materials for BART to finalize, and gathering data from BART for annual reporting purposes.

Task 2D – Evaluate the Effectiveness of the MS4 Program to Date

As required in Section F.5.h.2, related to program effectiveness assessment and improvement, vendor may assist BART as needed with analysis of the effectiveness of the existing storm water quality control measures employed by BART. The purpose of the analysis would be to help BART determine what modifications, if any, may be recommended to improve BART's MS4 program.

This task may involve site evaluations and observations of work performed by various BART departments, as directed and coordinated by BART. To perform this task, vendor should draw from their experience with other commuter rail Clients tackling similar challenges.

Task 3 – Stormwater Compliance Support

To the extent requested by BART. Vendor will provide as-needed IGP support, including online SMARTS support, SWPPP revisions, QISP assistance and expertise, and Annual Report support, Level 1 Exceedance Response Action (ERA) Reporting, and Level 2 Technical Reporting for various yards as needed.

Should any sampling results exceed the Numeric Action Level (NAL) of the IGP, vendor will prepare a Level 1 ERA Report to summarize additional BMPs required and provide a detailed description of the SWPPP and Monitoring Implementation Plan revisions for the shop.

Vendor will provide the services of a QISP to assist with the evaluation and report, as required by the IGP. Should further compliance help be needed beyond the ERA report, vendor will provide a Level 2 ERA Technical Report to present the selected demonstrations and evaluation of potential pollutant sources that may be related to the NAL exceedances in storm water samples. As part of this task, vendor will also update the facility SWPPPs.

Vendor will also prepare the Annual Reports in SMARTS for BART approval and certification.

Prime: AEW Engineering

Subconsultants: None

Total Work Plan Value: \$ 158,478