

**BART Agreement Number: 6M5164**

**Approval Date: 06/01/23**

**Work Plan No. C.06-01 Industrial General Permit Stormwater Compliance**

**Scope:**

**TASK 1 – ONGOING STORM WATER MONITORING SUPPORT**

In this task, AEW will provide storm water monitoring and sampling services at the five 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 of the SOW. 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.

AEW plans to have three persons per event to complete the sampling within four hours of each event. Sample collection of storm water discharges occurs when conditions are safe (during daylight hours) and samples are collected using grab sampling techniques. Upon completion of sampling, AEW will submit the samples to a California Certified Laboratory for the following analyses under a normal one week turn around time:

- pH by United States Environmental Protection Agency Method 9045C or field instrument;
- Total Suspended Solids by Standard Method 2540-D;
- Oil and Grease by USEPA Method 1664A; and
- Up to five total metals (Cadmium, Copper, Nickel, Selenium, and Zinc) by USEPA Method 200.8.

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

Prior to the first sampling event, AEW will review the existing Storm Water Pollution Prevention Plan (SWPPP) for each of the facilities subjected for the sampling and will conduct a site visit on the sampling points.

#### **TASK 2A – PROGRAM OVERVIEW AND MEETINGS**

At BART’s request, AEW will provide appropriate BART personnel with an overview of the BART MS4 program activities to-date. AEW will generate presentation materials and gather appropriate data and documentation to summarize BART actions in response to the Phase II MS4 General Permit. For budgetary purposes, AEW assumes a total of 76 technical hours for this task.

#### **TASK 2B – ANNUAL REPORT FOR APPLICABLE PERMIT YEAR**

In this task, AEW will complete the required annual reporting in SMARTS for the above-listed five BART’s facilities. Our activities will include gathering documentation and preparing summaries of work performed prior to 1 July 2023. For budget purposes, AEW assumes a total of 78 professional hours for this task.

#### **TASK 2C – ASSIST WITH PUBLIC INVOLVEMENT AND PARTICIPATION MATERIALS**

Upon request by BART, AEW will assist BART to produce or update public involvement signage and online content about stormwater. In addition, when request by BART, AEW will involve meetings with appropriate BART departments, drafting of materials for BART to finalize, and gathering data from BART for annual reporting purposes. For budget purposes, AEW assumes a total of 108 professional hours for this task.

#### **TASK 2D – EVALUATE THE EFFECTIVENESS OF THE MS4 PROGRAM TO DATE**

AEW will work with BART to evaluate program effectiveness assessment and identify recommendations on improvement of the program including 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 will include site evaluations and observations of work performed by various BART departments, as directed and coordinated by BART at each of the five above-mentioned BART's facilities. For budgetary purposes, AEW assumes a total of 168 professional hours for this task.

#### **TASK 3 – STORMWATER COMPLIANCE SUPPORT**

Upon requested by BART, AEW 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 these five BART's facilities. In the event that any sampling results exceed the Numeric Action Level (NAL) of the IGP, AEW 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 respective facility.

AEW will provide the services of a QISP to assist with the evaluation and report, as required by the IGP. In the event that a Level 2 ERA support is required, AEW 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, AEW will also update the facility SWPPPs as needed. For budgetary purpose, AEW assumes a total of 240 professional hours for this task.

#### **TASK 4 – 12 MONTHS OF PROJECT MANAGEMENT**

In this task, AEW will provide project management of Tasks 1 through 3. Budget assumes that AEW assumes project duration of 12 months.

**Prime: AEW Engineering**

**Subconsultants: None**

**Total Work Plan Value: \$ 138,762**