



B A S M A A

Project: Refined Source Control Load Reduction Accounting for RAA

Description: The purpose of this project was to support revisions to the Interim Accounting Methodology for estimating load reductions from source control measures (i.e., Source Property Identification and Abatement, Enhanced Operations and Maintenance, Manage PCBs in Building Materials and Infrastructure, Pump Station Diversion, and others) for conducting RAAs.

A previous BASMAA project developed the *Bay Area RAA Guidance Document*, which established a regional framework and guidance for conducting RAAs in the Bay Area, including the types of modeling and data inputs that may be used for estimating loads reduced by green infrastructure. Section 4.2 of the *Bay Area RAA Guidance Document* states that load reductions for source controls should be calculated based on methods provided in an approved refinement of the Interim Accounting Methodology, which was previously developed by BASMAA and approved by the Water Board for use during MRP 2.0. This project refined the Interim Accounting Methodology Report for the purposes of source control load reduction accounting in the permittees' RAAs and MRP 3.0. Refinements included:

- Reviewed the description of each control measure in the Interim Accounting Methodology Report and revised to reflect current knowledge and practices.
- Developed a load reduction accounting method for electrical utilities as a categorical source referral.
- Built upon the results of the POC Monitoring for Source Identification and Management Action Effectiveness project and other information available on the effectiveness of treatment controls, developed better estimates for pollutants removed via full trash capture devices of all types.
- Reviewed and revised the Enhanced O&M control measure accounting.
- Built upon the final recommendations for data collection from the Managing PCBs-Containing Materials and Waste during Building Demolition project, established a data collection and analysis methodology to inform future estimates of loads reduced through implementation of measures to control PCBs in building materials during demolition.
- Reviewed how source controls may affect each other in reducing loads and incorporated agreed-upon concepts into the refined accounting methods.

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- Determined how source control load reduction credits should be adjusted to be consistent with adjustments to the baseline loading estimated through calibrated RAA baseline modeling.

FY: 18/19; 19/20

Overseer: Monitoring / POCs Committee

Contracting Agency: BASMAA; ACCWP

Contractor: Geosyntec; EOA

Budget: \$100,000

Status: Done

Deliverable(s): *Source Control Load Reduction Accounting for Reasonable Assurance Analysis*
(August 2020)
