SITE HISTORY REPORT AND SAMPLING AND ANALYSIS PLAN

CALTRAIN DOWNTOWN EXTENSION PROJECT
CALTRAIN

The Caltrain Downtown Extension Project involves the construction of an underground rail connection from the existing Caltrain Terminal at Fourth and King streets to a new Transbay Transit Center near Second and Natoma streets, track improvements and realignments within and south of the existing Caltrain Terminal, and a new underground station adjacent to the Caltrain Terminal under Townsend Street.

Based on a Site History Report, prepared by BASELINE, and the project design components, we prepared a Sampling and Analysis Plan, in compliance with San Francisco Article 22A, to determine if soil, once excavated, could constitute a hazardous waste.

The analytical data were evaluated in accordance with U.S. EPA SW-846 guidance. For this project, statistical calculations were required to determine the 90 percent upper confidence level of the mean concentration for evaluation of the representative concentration of specific compounds in the shallow fill for waste classification purposes. BASELINE performed these statistical calculations using ProUCL, a software program developed by Lockheed Martin under a contract with the U.S. EPA. Based on the analytical results and the statistical data evaluation, BASELINE provided recommendations to the Transbay Joint Powers Authority (TJPA) regarding classification of soil from the project. The classification of in-situ materials will allow TJPA to develop project construction specifications that will segregate various soil types, thus ensuring that waste from the project is properly disposed of at an appropriate landfill, while minimizing cost.

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