

Summary for Electronic Document Submittal

Form F

15 copies of this document may be included when a Lead Agency is submitting electronic copies of environmental impact reports, negative declarations, mitigated negative declarations, or notices of preparation to the SCH. The SCH will still accept other summaries, such as an EIR summary prepared pursuant to CEQA Guidelines Section 15123, attached to the electronic copies of the document.

SCH

Lead Agency: City of Pittsburg

Project Title: Carbon Capture and Mineralization Project

Project Location: Pittsburg, CA; Contra Costa County

Please provide a Project Description (Proposed Actions, location, and/or consequences).

Project Description: The proposed project, consists of a carbon capture and mineralization pilot facility that would operate for a 12-month period. The facility would remove carbon dioxide (CO₂) from a slipstream of flue gas from Calpine's Los Medanos Energy Center or an outlet stream of gas from the gas-fired steam boiler and combine the removed CO₂ with locally sourced demolished/returned concrete to produce new "CO₂ sequestered" and "upcycled" rock products. These products would be sold to Bay Area businesses, governments and consumers for use in a wide range of low carbon and high-performance concrete applications. The project site has been previously disturbed and permanently capped. Construction of the project would consist of skid-mounted equipment with no below grade construction activities of facilities or pipelines.

Project Location: The proposed Project is located on a 2.5 acre parcel of land located at 895 East 3rd Street, Pittsburg, California 94565 in Contra Costa County. The Assessor's Parcel Number for the proposed project site is 073-020-019-3.

The following environmental factors have been identified as having a potentially significant impact: Air Quality, Biological Resources, Hazards and Hazardous Materials, and Transportation.

Please identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

Impacts associated with cumulatively considerable net increase of any criteria pollutant for which the region is non-attainment under an applicable federal or state ambient air quality standard would be less than significant with implementation of Mitigation Measure Air-1 Minimize Dust Generation to PM₁₀ and PM_{2.5} levels from concentrations that could be cumulatively considerable in the local area. During construction and full operations of the proposed project, surface wetting of the project site shall occur every 2-3 hours for a total of three times a day.

Project implementation would not impact any sensitive species. Construction and operation of the proposed project would not result in take of the species, or significant adverse effects. However, because of the sensitivity of the aquatic species and their habitat are in close proximity to the project activities, the importance of contact avoidance and prevention of upsets necessitates protections that are included in Mitigation Measure Bio-1 Protection of Special-Status Fish Species, Bio-2 Protection of Pacific Pond Turtle, Bio-3 Protection of Special Status Plants, and Bio-4 Protection of Special Status and Migratory Birds.

An ammonia vapor release could create a hazard to the public resulting in a significant impact. Impacts associated with reasonably foreseeable upset and accident conditions involving the release of hazardous materials would be reduced to less than significant with implementation of Mitigation Measure Hazards-1. A Risk Management Plan (RMP) shall be developed for the use of ammonia concentration of 1% or greater exceeding 500 lbs (60 gallons) per requirements of the California Accidental Release Prevention (CalARP) Program. Trucks filled with upscaled rock product could spill materials on roadways. This could increase traffic hazards or require the City to provide additional street cleanup on transport routes resulting in a significant impact. Implementation of Mitigation Measure Traffic-1 would reduce hazards created by potential material spillage to less than significant by requiring trucks to be covered and have 6 inches of freeboard while hauling rock materials.

If applicable, please describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

There are no known controversies associated with the production of up-cycled rock materials from recycled concrete and flue gas for cement products used in construction.

Please provide a list of the responsible or trustee agencies for the project.

Bay Area Air Quality Management District
San Francisco Regional Water Quality Control Board