



San Diego County Air Pollution Control District

December 6, 2023

Alicia Appel

Encina Wastewater Authority

6200 Avenida Encinas

Carlsbad, CA 92011

APPROVAL OF REVISED AB2588 “HOT SPOTS” HEALTH RISK ASSESSMENT

As required by the California Health and Safety (H&S) code, section 44360, the San Diego County Air Pollution Control District (District) requested a Health Risk Assessment (HRA) from Encina Wastewater Authority (Encina) on November 10, 2022, for the Wastewater Treatment Plant at 6400 Avenida Encinas in Carlsbad based on emissions that occurred in calendar year 2021. Encina submitted an HRA to the District on May 9, 2023. The District provided our comments on the HRA along with comments provided from the Office of Environmental Health Hazard Assessment (OEHHA) to Encina on September 6, 2023. Encina submitted a revised HRA to the District on November 3, 2023.

In accordance with the California Health and Safety (H&S) Code, Section 44362, the District is hereby approving the revised 2021 HRA with the following results:

Maximum Individual Excess Cancer Risk (PMI)	66.1 in a million
Maximum Residential Excess Cancer Risk	16.0 in a million
Maximum Occupational Excess Cancer Risk	6.53 in a million
Maximum Chronic Non-Cancer Health Hazard Index (PMI)	0.513
Maximum Residential Chronic Non-Cancer Health Hazard Index	0.125
Maximum Occupational Chronic Non-Cancer Health Hazard Index	0.213
Maximum 8-Hour Occupational Non-Cancer Health Hazard Index	0.501
Maximum Acute Health Hazard Index (PMI)	1.25
Maximum Residential Acute Health Hazard Index	1.01
Maximum Occupational Acute Health Hazard Index	1.17
Population Excess Cancer Burden	0.046

The approved HRA results are used to determine public health risk notification and risk reduction requirements under District Rule 1210. The approved HRA results indicate that the

residential cancer risk and acute HHI do exceed the public notification and risk reduction levels specified in District Rule 1210, sections (d)(1) and (e)(1), respectively.

Therefore, by January 20, 2024, (within 45 days of the date of this letter), your facility must submit a public notification plan that specifies the procedures you intend to use to notify the public within 30 days of District approval of the plan and hold a public meeting within 30 days of the public notification date. Encina should work with the District to find a mutually agreeable date for the public meeting to be included in the provided public notification letter template. Prior to June 3, 2024, (within 180 days of the date of this letter), Encina must submit a risk reduction audit and plan that details methods that will be used to reduce the residential cancer risk and the acute HHI, based on the results of the HRA. The required elements of the plans are described in District Rule 1210, Subsections (d)(2)(i) through (d)(2)(xi) and (e)(2)(i) through (e)(2)(vi), respectively.

If you have any questions regarding this matter, you may contact the undersigned at 858-831-8710 or at Stephen.Amberg@sdapcd.org

Sincerely,

A handwritten signature in black ink, appearing to be 'S. Amberg', with a stylized flourish at the end.

Stephen Amberg
Air Quality Specialist