



FROM THE DESK OF
AHIMSA PORTER SUMCHAI MD

August 10, 2023

**To: Kathleen Davidson-Allen - Director Registry Operations
Greater Bay Area Cancer Registry
39141 Civic Center Drive, Suite 425
Fremont, CA 94538**

Good morning and thank you for your commitment to investigate mounting evidence of chemical and cancer clusters concentrated within the half mile perimeter of the Hunters Point Naval Shipyard system of Federal Superfund sites.

Two years have elapsed since request was made to the Greater Bay Area Cancer Registry to investigate the findings of the Hunters Point Community Biomonitoring Program. In the three years following completion of the 2020 census, the San Francisco County (South Central) Bayview & Hunters Point PUMA, CA Census Reporter tabulates data on the population and demographics of the region.

Of note the U.S. Census Bureau (2021) American Community Survey 5 -year estimates, retrieved from Census Reporter Profile page for San Francisco County (South Central) - Bayview Hunters Point PUMA, CA can be found at <http://censusreporter.org/profiles/79500US0607507-san-francisco-county-south-central-bayview-hunters-point-puma-ca/>.

The Greater Bay Area Cancer Registry disclaimer states, " According to the California Department of Public Health guidelines, cancer incidence rates cannot be reported if based on less than 15 cancer cases and/or a population of less than 10,000 to ensure confidentiality and stable statistical rates."

The South Central Bayview & Hunters Point PUMA population comprises 110,199 people in 8.6 square miles or 12,761.8 people per square mile from Census data ACS 2021.



**HUNTERS POINT BIOMONITORING FOUNDATION, INC
SAN FRANCISCO EXECUTIVE PARK
150 EXECUTIVE PARK BOULEVARD, SUITE 1000**

I am requesting a response by August 15, 2023 on the status of your cluster investigation. Additionally, for your information and documentation, I am uploading geospatial mappings of radiogenic cancers conducted by the Hunters Point Biomonitoring Program updated August 1, 2023.

The mappings identify the pattern of distribution of cancers identified by the Atomic Bomb registry to be induced by exposure to ionizing radiation. Of note, all cancer and chemical clusters to date are concentrated within the half mile perimeter of the main entry to the Naval Radiological Defense Laboratory Complex on the shipyards southern shoreline and the Parcel E-2 Landfill that was the subject of a 2012 CERCLA Action characterizing it to contain radionuclides and PCB's and designating it a Federal Superfund property.

Meg McKinley was assigned to investigate this matter according to an email communication sent by your office at the time of the original request made in 2021. Please respond to the status of the GBCR Investigation by August 15, 2023.

Sincerely yours,



Ahimsa Porter Sumchai, MD

Ahimsa Porter Sumchai, MD - Founder, Director, Principal Investigator





The "Breast Cancer Necklace" - Geospatial mapping of pattern of distribution of breast cancer cases diagnosed within the last ten years. Cases include a woman on Quesada Avenue diagnosed with breast cancer at age 26 whose father died of colon and prostate cancer in 2016 and mother died of pulmonary fibrosis linked to TAC exposure. A woman on Jennings died prematurely of breast cancer at age 56. All cases are within the one mile perimeter of the Parcel E-2 landfill. The majority of women live within half a mile of the base.



Pattern of Distribution of manual pins placed at residence or worksite of individual diagnosed with cancers induced by exposure to ionizing radiation.

amp.cancer.org

What do studies show?

Atomic bomb survivors

Much of what we know about cancer risks from radiation is based on studies of the survivors of the atomic bombs in Nagasaki and Hiroshima. These people had higher risks of some, but not all cancers. Studies have found an increased risk of the following cancers (from higher to lower risk):

- Most types of leukemia (although not chronic lymphocytic leukemia)
- Multiple myeloma
- Thyroid cancer
- Bladder cancer
- Breast cancer
- Lung cancer
- Ovarian cancer
- Colon cancer (but not rectal cancer)
- Esophageal cancer
- Stomach cancer
- Liver cancer
- Lymphoma
- Skin cancer (besides melanoma)

For most of these cancers, the risk was found to be highest for those exposed as children, and was lower as the age at exposure increased. Those exposed while still in the womb (in utero) had lower risks than those exposed during childhood.

Exposure to higher doses of radiation exposure was linked to higher risk of cancer, but even low amounts of radiation were linked to an



Cc: Tomas Aragon MD, DrPH - Director California Department of Public Health & State Public Health Officer

Cc: Lauren Zeise, PhD - Director, Office of Environmental Health Hazard Assessment

Cc: James Dahlgren, MD - James Dahlgren Medical - Environmental Toxicology

Cc: Ramona Tascoe, MD - 2019 President UCSF Medical Alumni Association and co-founder Hunters Point Community Biomonitoring Program

