This document summarizes the results of the health risk screening assessment prepared for Sunset View Cemetery in El Cerrito, California. Sunset View Cemetery wishes to cremate up to a total of 500 bodies annually in two crematory retorts. In order to do this, the facility must get a permit from the Bay Area Air Quality Management District (BAAQMD). The BAAQMD, as a routine part of the evaluation of a permit application, prepares a screening risk assessment. Very small quantities of toxic air contaminants (TACs) will be emitted during operation of the facility. The TACs of concern at this facility are acetaldehyde, arsenic, beryllium, cadmium, hexavalent chromium, copper, formaldehyde, hydrogen chloride, hydrogen fluoride, lead, mercury, nickel, selenium, zinc, chlorinated dibenzo dioxins and furans, and polycyclic aromatic hydrocarbons.

In the preparation of the risk screening assessment the results from the ISCST3 air dispersion computer model are used in the calculations. This model uses information about the facility and the TAC emission rates to estimate what concentrations would be expected in the air around the site. The estimated concentrations of TACs are used to calculate the possible risks that might be expected to arise from these exposures. The potential risk values were calculated using standard risk assessment methodology. They include the assumptions that exposures are continuous for 24 hours per day, 7 days per week for 70-years. The risk values are based in part on the "best estimates" of plausible cancer potencies as determined by the California Office of Environmental Health Hazard Assessment (OEHHA). The actual value of risk, which cannot be determined, may approach zero.

The TACs impact is expressed in terms of the increased risk of contracting cancer by individuals who live in the impact area. The proposed operation would result in a maximum risk of 3 chances in a million for residences near the facility. For the students who attend nearby schools, the increased maximum risks are 0.7 chances in a million at El Cerrito High School, 0.4 chances in a million at Harding Elementary, 1.0 chances in a million at St. Jerome Elementary and 0.8 chances in a million at Golden Gate Apple School. These results are presented in the table below.

The screening methods used by BAAQMD to estimate risk are based on a "worst-possible" estimate of the operating conditions for the facility. This type of analysis is considered to be health-protective.

Increased Maximum Cancer Risk (chances in a million)				
Residential	**El Cerrito High School**	**Harding Elementary**	**St. Jerome Elementary**	**Golden Gate Apple School**
2.5	0.7	0.4	1.0	0.8

School addresses:

El Cerrito High School
540 Ashbury Ave.
El Cerrito, CA 94530

Harding Elementary
7230 Fairmont Ave.
El Cerrito, CA 94530

St. Jerome Elementary
320 San Carlos Ave.
El Cerrito, CA 94530

Golden Gate Apple School
379 Colusa Ave.
Kensington, CA 94707