

**TABLE 4.5.16
SUMMARY OF HEALTH RISKS FOR SDG&E POWER PLANTS**

Plant	Existing Conditions ^a			1999 Baseline (low priced oil) ^b			1999 A-Max (low priced oil) ^b			1999 (Mitigated) ^b		
	Cancer Risks ^d (in a million)	Hazard Index ^c Chronic	Hazard Index ^c Acute ^e	Cancer Risks (in a million)	Hazard Index ^c Chronic	Hazard Index ^c Acute ^e	Cancer Risks ^d (in a million)	Hazard Index ^c chronic	Hazard Index ^c acute ^e	Cancer Risks ^d (in a million)	Hazard Index ^c chronic	Hazard Index ^c Acute ^e
Encina	0.96	0.003	0.10	0.96	0.003	0.10	0.96	0.003	0.10	0.96	0.003	0.10
Incremental Increase ^f	NA	NA	NA	NC	NC	NC	0.001	3.95E-5	NA	0.0003	9.54E-6	NA
South Bay	0.72	0.002	0.20	0.65	0.001	0.20	1.40	0.021	0.20	0.74	0.002	0.20
Incremental Increase ^f	NA	NA	NA	NC	NC	NC	0.76	0.020	NA	0.10	0.001	NA

Plant	2005 Cumulative A-Max					
	Variant 1 (South Bay operational) ^b			Variant 2 (South Bay Retired) ^b		
	Cancer Risks ^d (in a million)	Hazard Index ^c Chronic	Hazard Index ^c Acute ^e	Cancer Risks (in a million)	Hazard Index ^c Chronic	Hazard Index ^c Acute ^e
Encina	0.96	0.003	0.10	0.96	0.003	0.10
Incremental Increase ^f	0.0004	1.8E-5	NA	0.0001	2.2E-5	NA
South Bay	0.88	0.006	0.20	NA	NA	NA
Incremental Increase ^f	0.23	0.005	NA	NA	NA	NA

- ^a Cancer risks and Hazard Indices are based on the results reported in San Diego Gas and Electric Company Air Toxics Hot Spots Risk Assessments (1993), adjusted to current emissions (1996).
- ^b Risks are adjusted to projected 1999 and 2005 emissions.
- ^c Hazard index is the ratio of the maximum exposure level and the reference dose of each toxic substance. The reference dose is the level with no observed health effect. A hazard index less than 1.0 indicates no health effect.
- ^d The significance threshold for incremental cancer risk is 10 in a million.
- ^e The acute hazard risk index is not expected to change since it is based on a one-hour maximum.
- ^f The incremental increase is the difference between the 1999 Baseline and the scenario.

SOURCE: Environmental Science Associates