

5.3.8 Model Results

Table 5-3 presents the maximum modeled concentrations for the 5-year meteorological data set. All modeled maximum concentration results are less than the AAC.

Table 5-3: Toxics Air Dispersion Modeling Results

TAP	Meteorological Data Year	Averaging Period	Maximum Model Concentration ($\mu\text{g}/\text{m}^3$)	AAC ($\mu\text{g}/\text{m}^3$)	% of AAC	UTM Easting	UTM Northing
HCl	2017	15-min	2.18	700	0.3%	275335.19	3409573.00
	2021	Annual	0.0533	20	0.3%	275935.19	3409573.00
HF	2018	15-min	1.97	245	0.8%	275335.19	3409573.00
	2018	24-hour	0.70	5.84	12%	275606.57	3409271.11
Pb	2020	24-hour	0.08	0.12	67%	275615.81	3408621.17
Se	2020	24-hour	0.08	0.48	17%	275615.81	3408621.17

* Per GA EPD guidance, the 1-hour model result is adjusted by a factor of 1.36 to convert to a 15-minute average

Electronic versions of the AERMOD input and output files as well as BPIP-Prime files, AERMAP files, and meteorological data were provided electronically to GA EPD.