

## 7.0 DPCC EMISSIONS SUMMARY TABLE AND CONCLUSIONS

DPCC Emissions Summary Table-2021										
Contaminant Name	Contaminant CAS#	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Maximum POI Concentration (ug/m <sup>3</sup> )	Averaging Period (hours)	MECP POI Benchmark (ug/m <sup>3</sup> )	Limiting Effect	Benchmark Type	Benchmark Category	Percentage of MECP POI Benchmark (%)
Acetonitrile	75-05-8	2.71E-01	AERMOD	62.7	24	70	Health	Standard	B1	89.6%
n-Butene	25167-67-3	5.28E+00	AERMOD	3.25	24	700	Health	SL- JSL	B2	Below SL-JSL
n-Butane	106-97-8	4.47E+00	AERMOD	2.89	24	3600	Health	SL-JSL	B2	Below SL-JSL
1,2-Butadiene	590-19-2	1.14E-01	AERMOD	9.8	24	10	Health	MECP	B2	Below MECP
Isobutylene	115-11-7	6.58E+00	AERMOD	4.10	24	7000	Health	SL-JSL	B2	Below SL-JSL
Isobutane	78-28-5	1.12E+00	AERMOD	0.72	24	3600	Health	SL-JSL	B2	Below SL-JSL
Nitrogen Oxides	10102-44-0	1.06E-01	AERMOD	0.04	24	200	Health	Standard	B1	<1%
Nitrogen Oxides	10102-44-0	1.13E+00	AERMOD	0.03	1	400	Health	Standard	B1	<1%
Isoprene	78-79-5	4.20E-04	AERMOD	0.14	24	0.1	Health	SL-JSL	B2	Above SL-JSL
4-Vinyl-1-Cyclohexene	100-40-3	8.10E-03	AERMOD	4.68	24	5	Health	SL-JSL	B2	Below SL-JSL

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