

Attachment A – Storage Silo TAC Emission Calculations

For the material storage silos, including the two lime storage silos and the carbon storage silo, potential estimated TAC emissions are below the applicable thresholds in the CAO Exempt TEU Reporting document:

Product(s)	Maximum product usage (tons/year) ¹	Particulate matter (PM) emission factor (EF) (lb/ton)	TAC	CASRN	TAC weight percent in product ²	TAC emissions (lb/yr) ³	CAO reporting threshold (lb/yr) ⁴
High Calcium Quicklime, Dolomitic Hydrated Lime	3000	.0022	Crystalline silica	14808-60-7	0.50005	0.033	20

¹From page 25 of Covanta's Review Report, as cited in Attachment 5 of Covanta's October 18, 2022 submittal.

²Percent weight is the average of the range reported in Section 3 of the SDSs provided by Covanta.

³TAC emissions (lb/yr) = product usage (tons/year) x PM EF (lb/ton) x TAC weight percent/100.

⁴ From DEQ's Cleaner Air Oregon Exempt TEU Reporting document:

<https://www.oregon.gov/deq/aq/cao/Documents/ExemptTEUReporting-Appendices.pdf>.