SC DEPARTMENT of ENVIRONMENTAL SERVICES

MODELING ANALYSIS SUMMARY Valara Holdings High Performance Compute Center					
Pollutant	**Averaging Time**	**Total Modeled Emissions (lb/hr)**	**Max Modeled Concentration ($\mu g/m^3$)**	**Standard ($\mu g/m^3$)**	**Percent of Standard (%)**
PM_{10}	**24-Hour**	35.88	40	150	27
$PM_{2.5}$	**24-Hour**	35.88	20	35	57
	Annual	35.88	8.7	12.0	73
NO_2	**1-Hour**	49.26	104	188	55
	Annual	49.26	16	100	16
CO	**1-Hour**	49.84	1160	40,000	3
	8-Hour	49.84	720	10,000	7
Formaldehyde	**24-Hour**	2.14	3.41	15.00	23
These results demonstrate that the facility will comply with all relevant air quality standards.					

Compare

MODELING ANALYSIS SUMMARY Kohler (Prior facility)					
Pollutant	**Averaging Time**	**Total Modeled Emissions (lb/hr)**	**Max Modeled Concentration ($\mu g/m^3$)**	**Standard ($\mu g/m^3$)**	**Percent of Standard (%)**
PM_{10}	**24-Hour**	12.89	85	150	57
$PM_{2.5}$	**24-Hour**	*	*	*	*
	Annual	*	*	*	*
NO_2	**1-Hour**	*	*	*	*
	Annual	18.17	33	100	33
CO	**1-Hour**	25.54	1597	40,000	4
	8-Hour	25.54	989	10,000	10
Hydrogen Fluoride	**24-Hour**	1.71	1.86	2.05	91
* Not modeled (no standard existed at the time).					