

Air Quality Management Plan

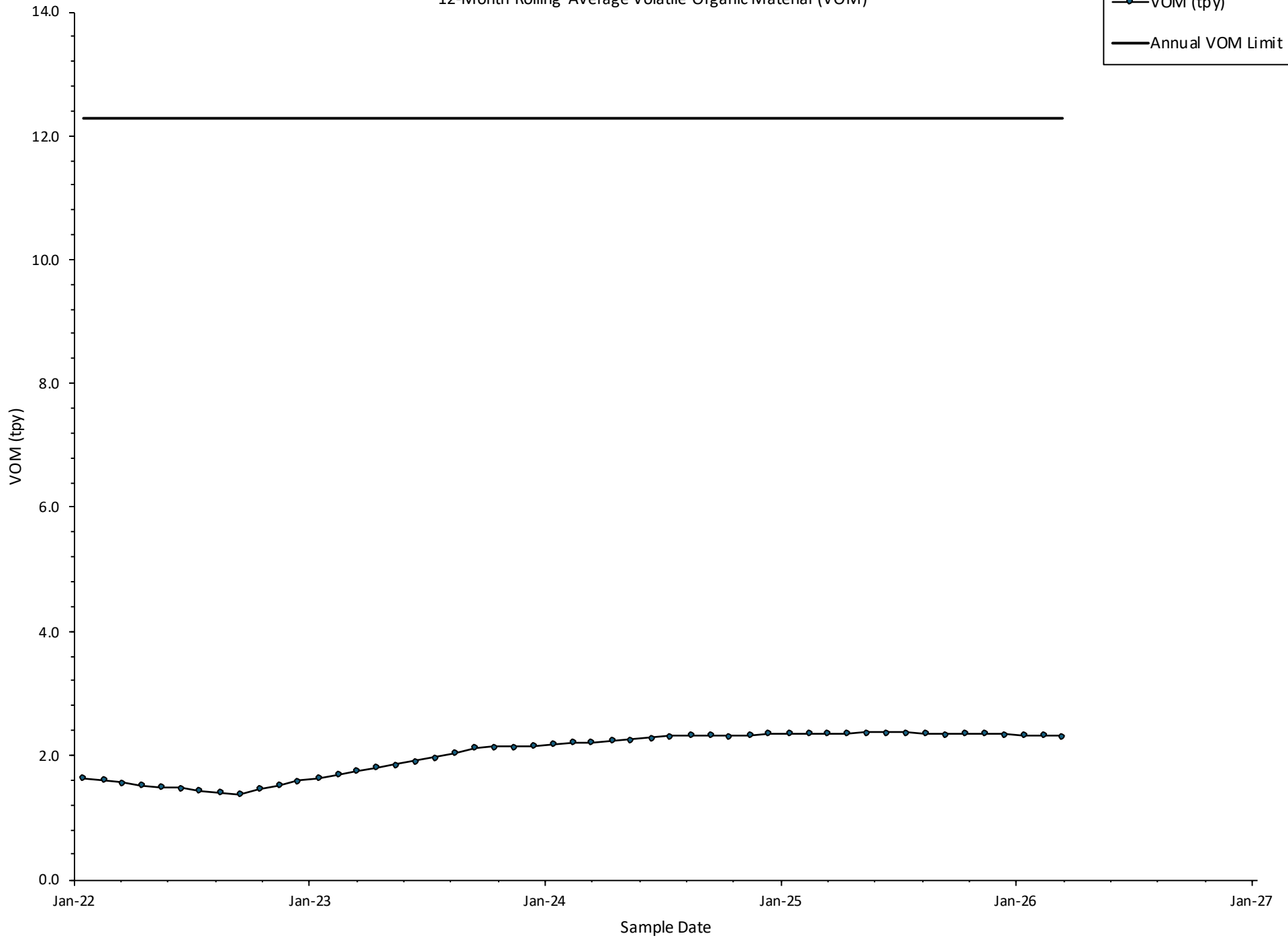
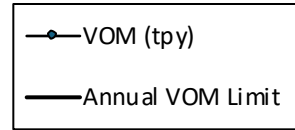
Zion Landfill monitors emissions to air in accordance with its Illinois EPA Title V permit. Emission control devices include a candlestick flare and an enclosed flare. The following parameters are monitored and tracked relative to their permitted annual emission limits expressed in units of tons/year (tpy).

<u>Monitored Parameter</u>	<u>Annual Emission Limit (tpy)</u>
Volatile Organic Material (VOM)	12.3
Nitric Oxide (NOx)	31.5
Sulfur Oxide (SOx)	200
Carbon Monoxide (CO)	200
Total Suspended Particles (TSP)	4.4
Hazardous Air Pollutants (HAPs)	2.2

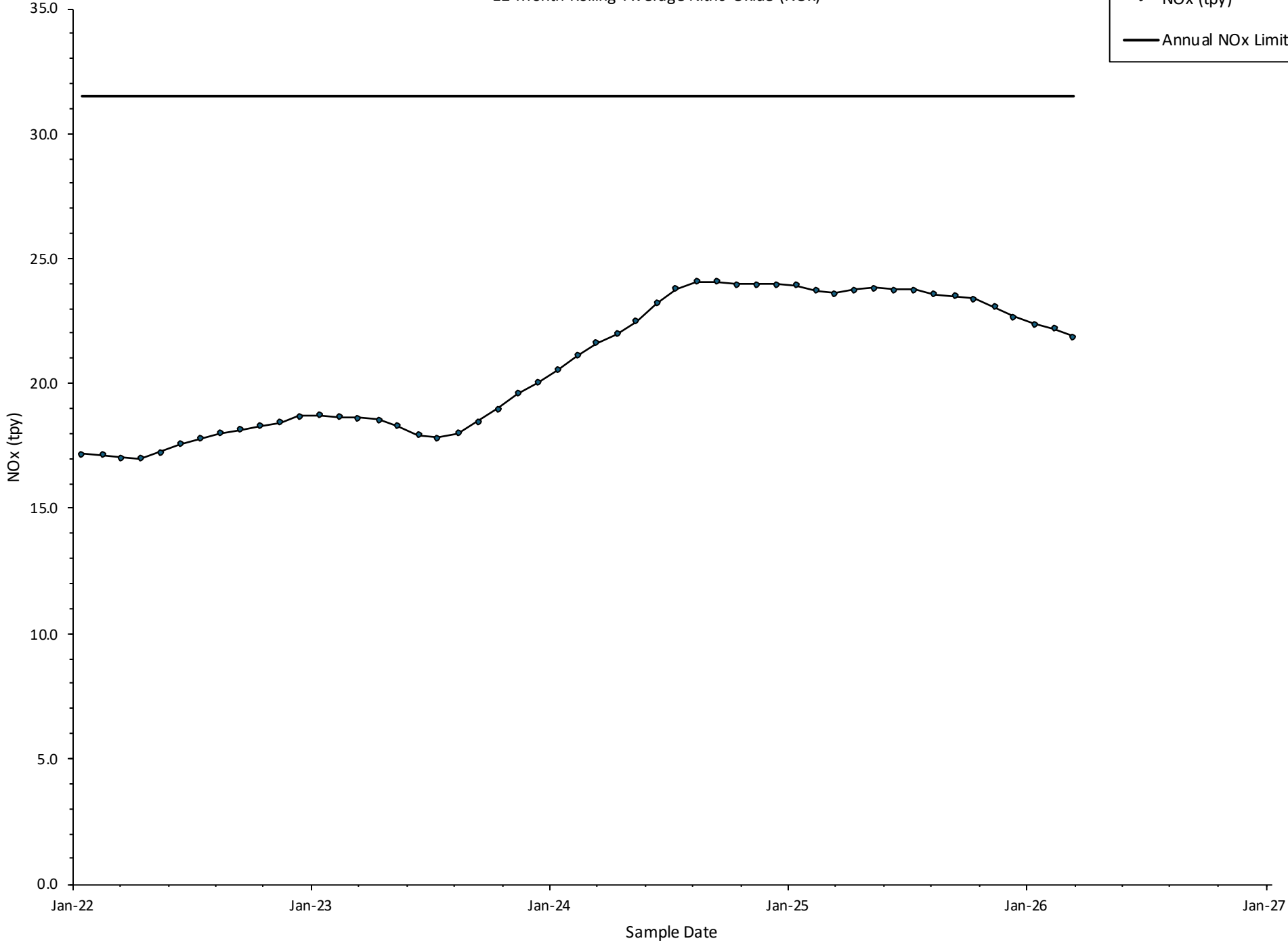
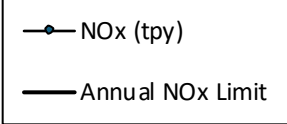
The following time-series analyses of the 12-month rolling average of monthly monitoring results for VOM, NOx, SOx, CO, TSP, and HAPs plotted against the permitted annual emission limits in the May 22, 2019 Title V permit renewal demonstrates that Zion Landfill is in compliance with its Illinois EPA air permit.

In the event a monitored parameter exceeds a permitted emission limit, Zion Landfill will install/implement additional treatment or control systems or seek Illinois EPA approval to modify the permitted emission limit.

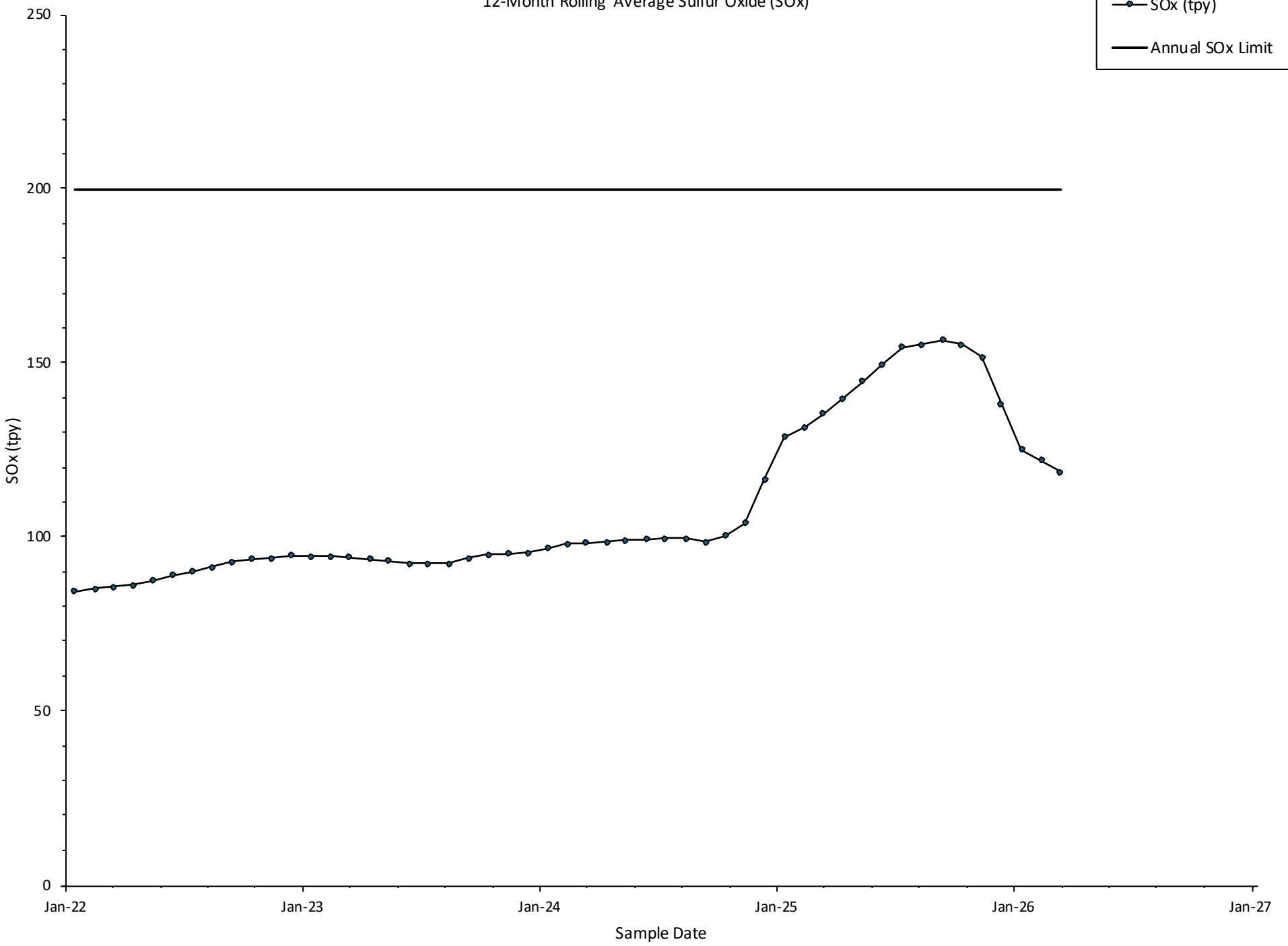
Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Volatile Organic Material (VOM)



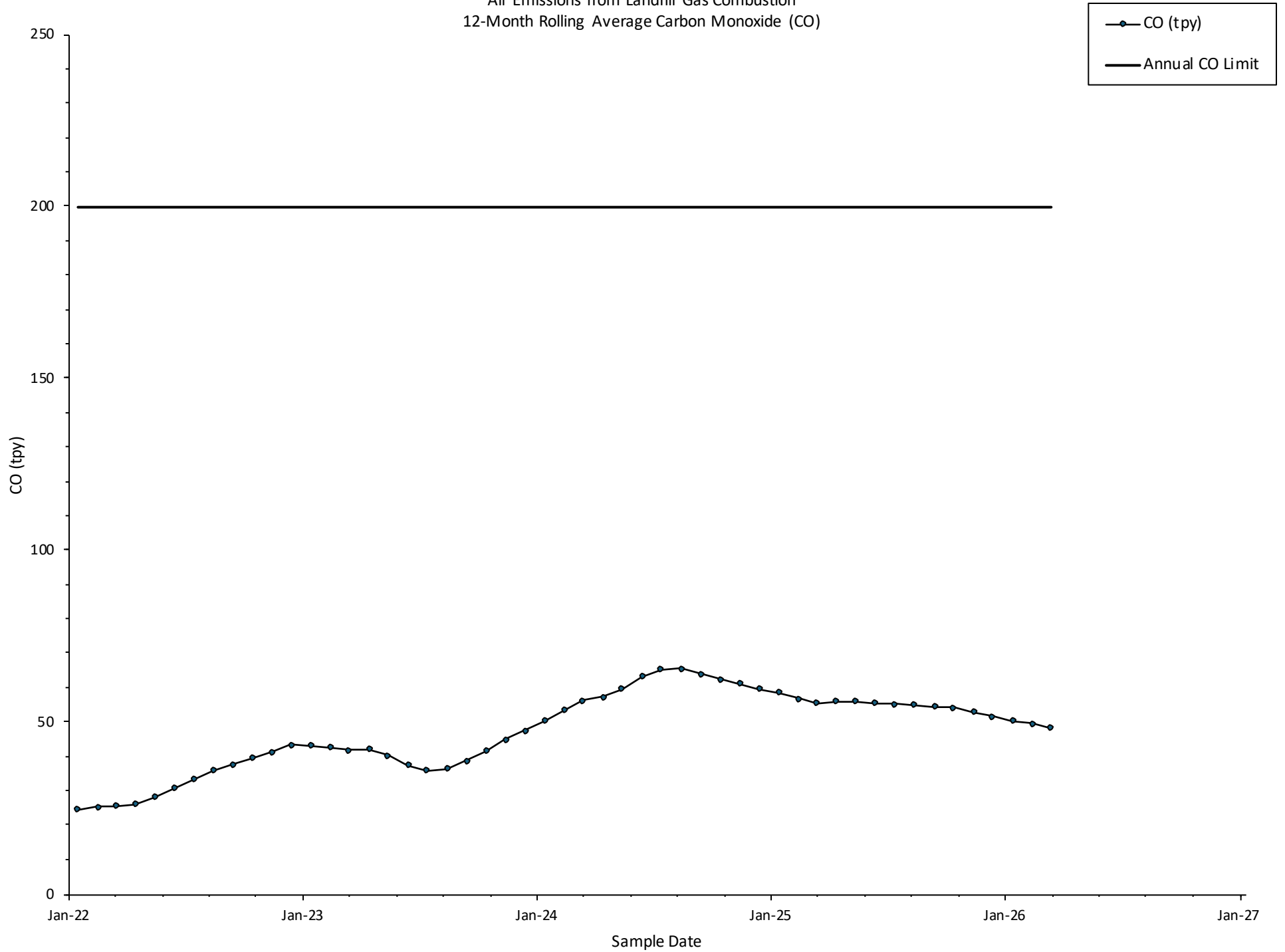
Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Nitric Oxide (NOx)



Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Sulfur Oxide (SOx)



Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Carbon Monoxide (CO)



Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Total Suspended Particles (TSP)

