

Air Quality Management Plan

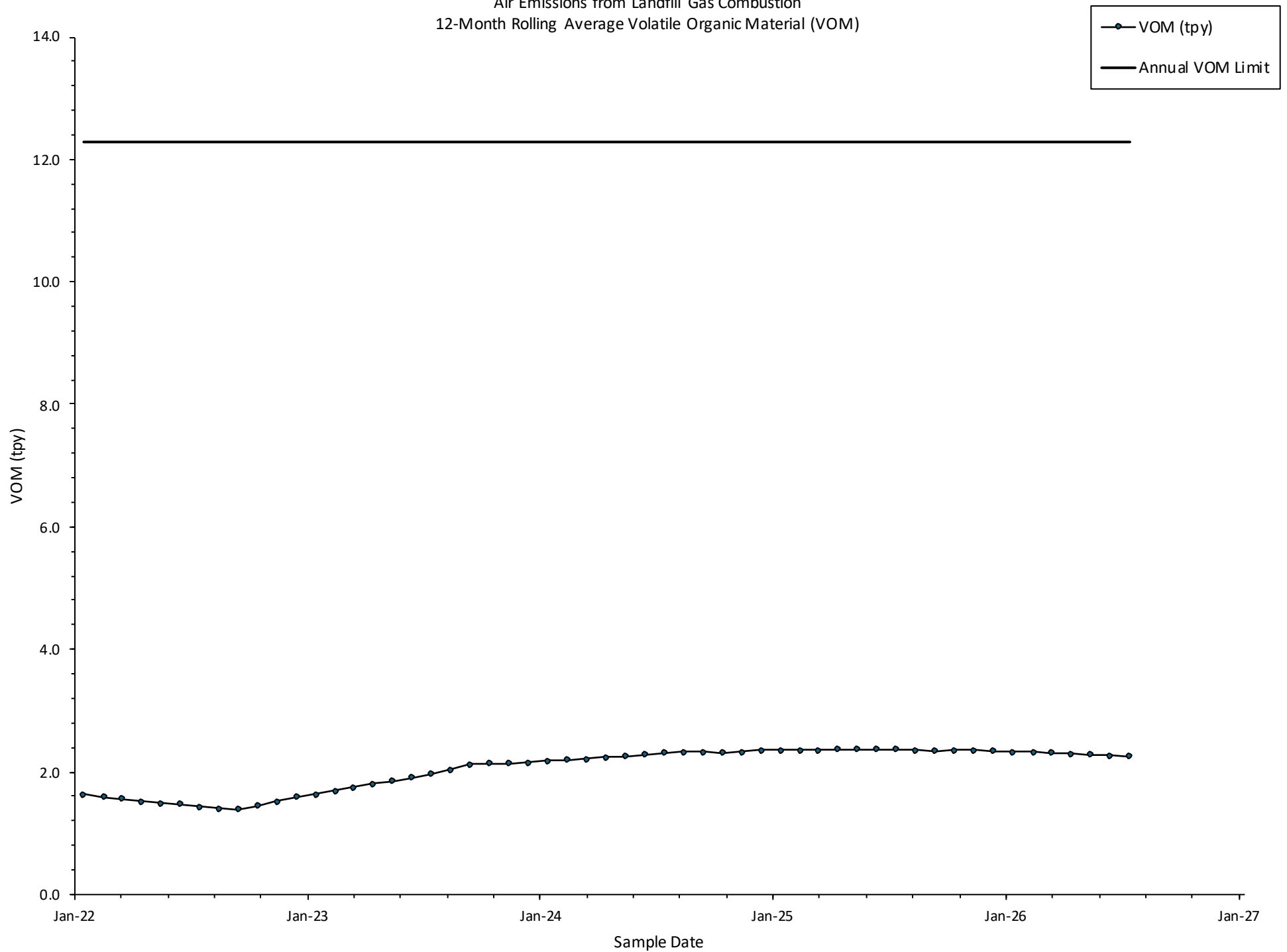
Zion Landfill monitors emissions to air in accordance with its Illinois EPA Title V permit. Emission control devices include a candlestick flare and an enclosed flare. The following parameters are monitored and tracked relative to their permitted annual emission limits expressed in units of tons/year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

Monitored Parameter	Annual Emission Limit (tpy)
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

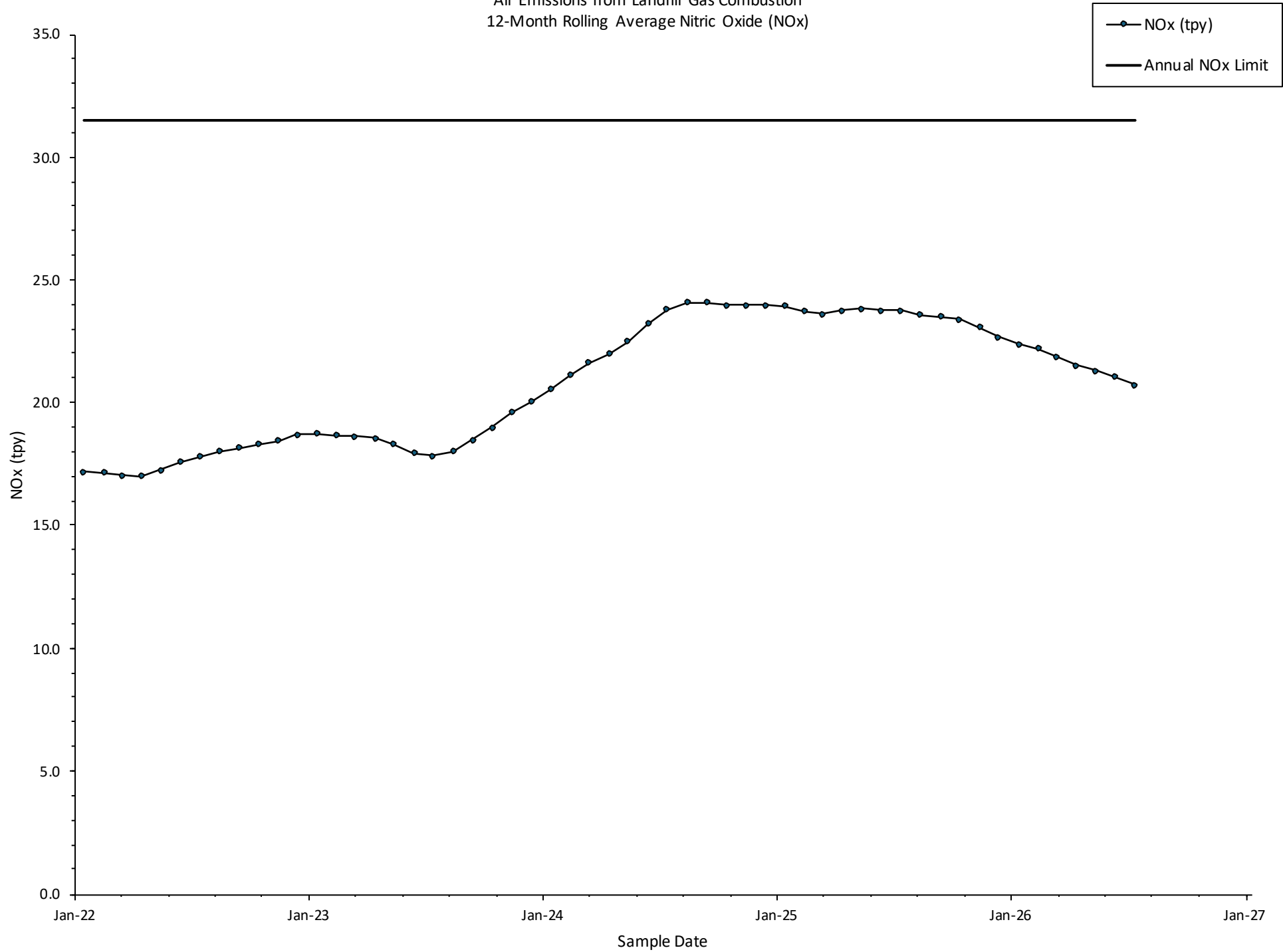
The following time-series analyses of the 12-month rolling average of monthly monitoring results for VOM, NOx, SOx, CO, TSP, and HAPs plotted against the permitted annual emission limits in the May 22, 2019 Title V permit renewal demonstrates that Zion Landfill is in compliance with its Illinois EPA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

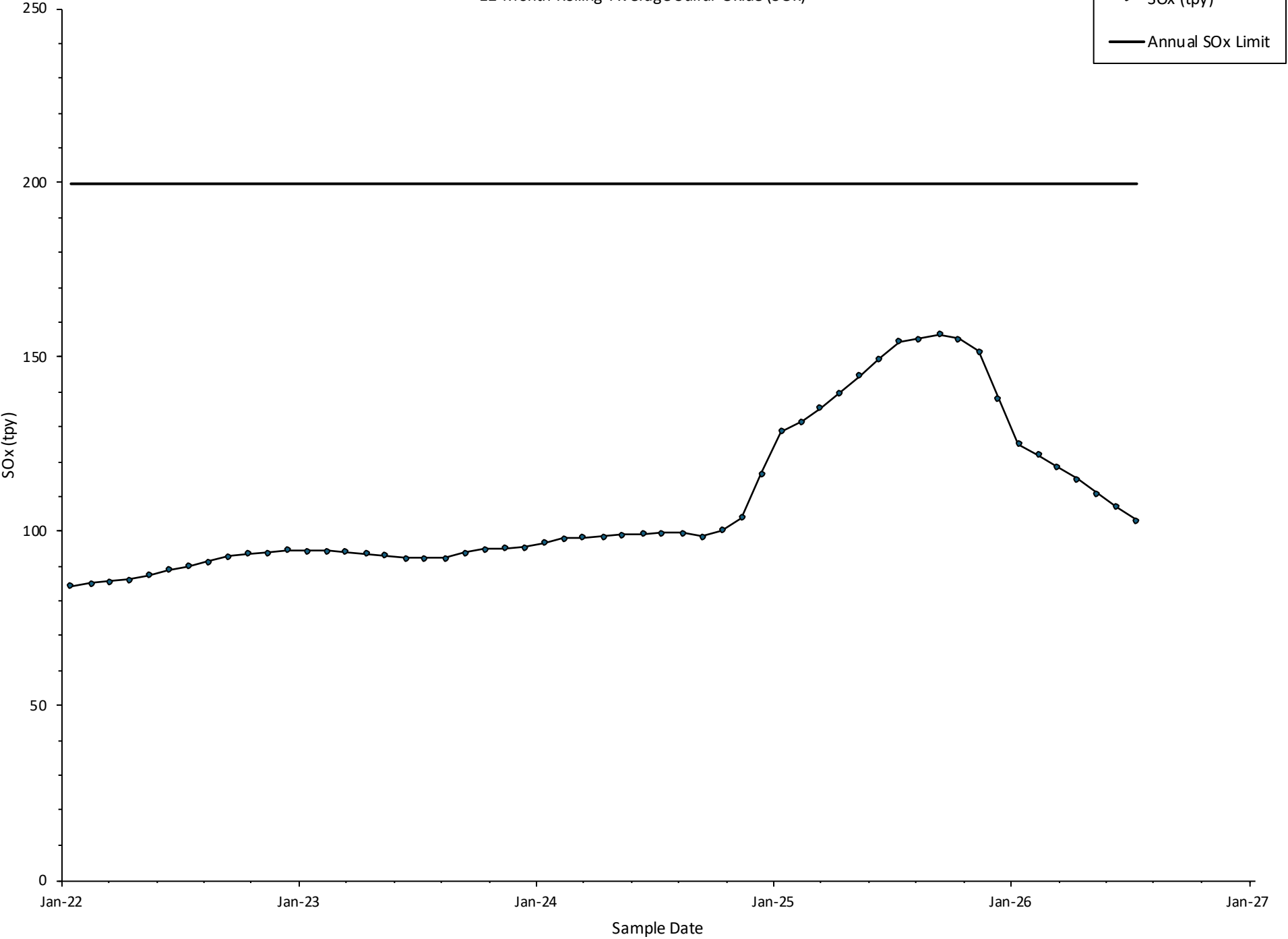
Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Volatile Organic Material (VOM)



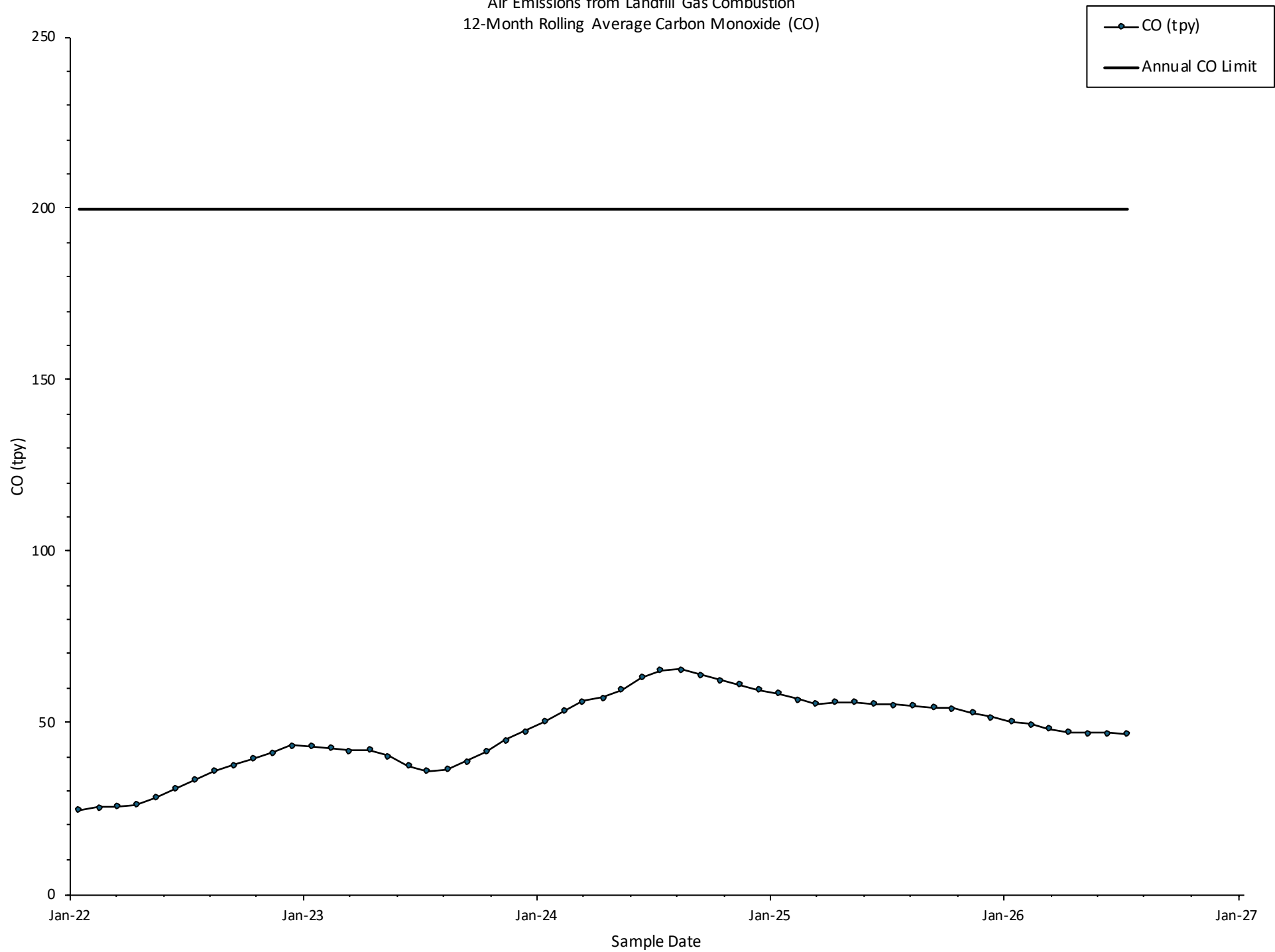
Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Nitric Oxide (NOx)



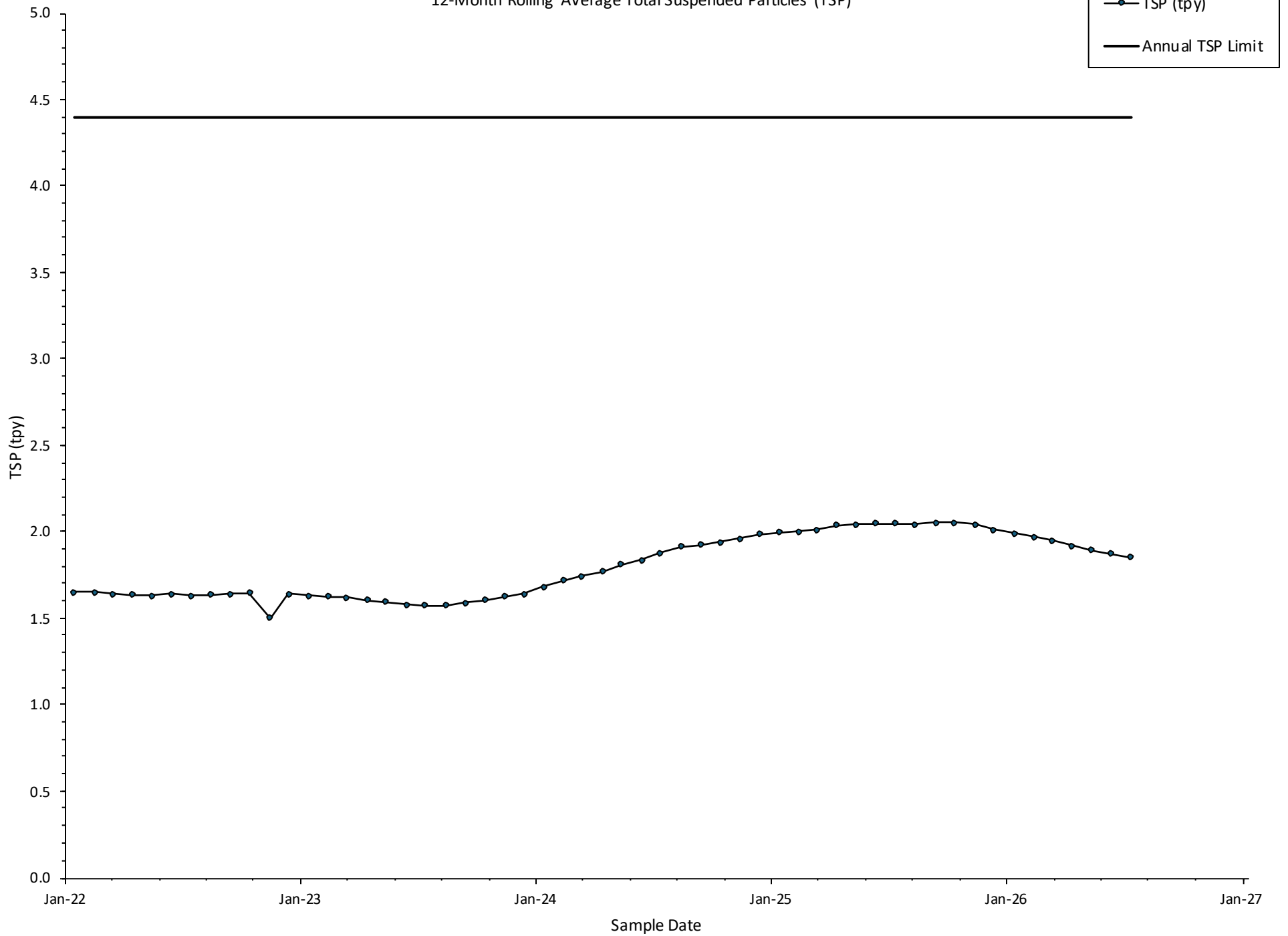
Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Sulfur Oxide (SOx)



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)



Air Emissions from Landfill Gas Combustion
12-Month Rolling Average Hazardous Air Pollutants (HAPs)

