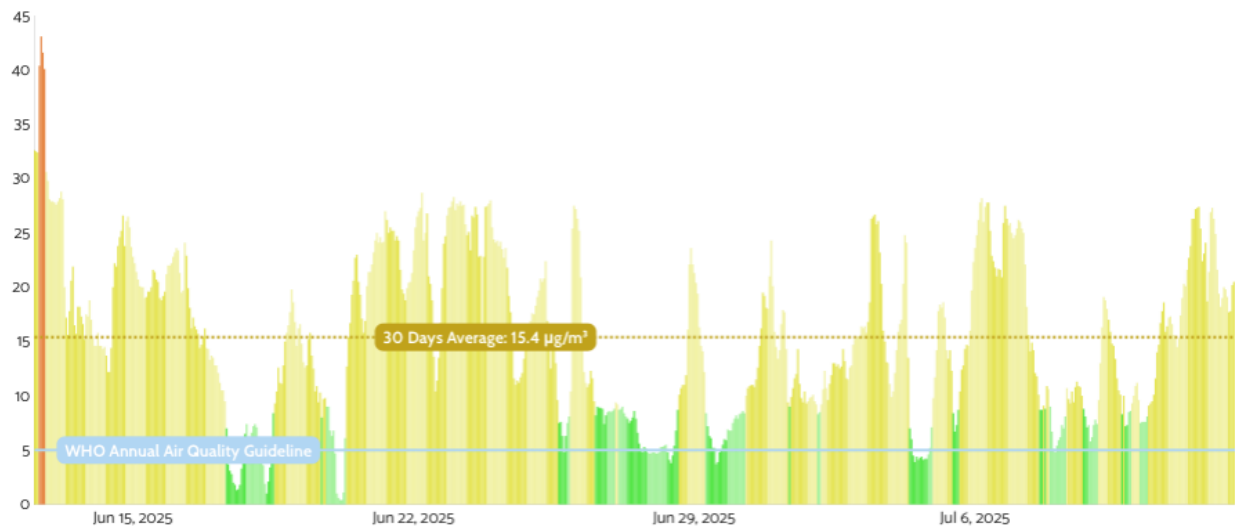


Dear Hudson Planning Board,

I lead a data science team for UNICEF, and as part of our activities we design air quality monitoring programs at children's schools. I have been monitoring the air quality at the Hudson waterfront since early June using a new factory calibrated particulate matter sensor from the same reputable manufacturer we use for monitoring air quality at children's schools. The below graph shows the air quality levels over the last month. It indicates chronic exposure to unsafe air quality for residents in the area with an average that is triple the level considered safe by the World Health Organization (WHO). Many days show PM2.5 levels above $25 \mu\text{g}/\text{m}^3$ which is extremely high. Only a handful of days fall below the WHO guidelines, suggesting that safe air quality is the exception at the Hudson waterfront, not the norm.

Long-term exposure to PM2.5 at this level is linked to cardiovascular disease, asthma, and reduced lung development in children. Considering that the industrial dock at Hudson's waterfront is adjacent to recreational park land designated for the public and for children's activities, this level of pollution is ethically and legally troubling for the city.

These preliminary findings merit a full assessment by an independent environmental monitoring company at applicant's expense before a permit for any industrial activity at the waterfront can even be considered. We need to understand why the air is already unsafe at the waterfront, and what impacts the suggested increase in mining operations will create. Your legacy and reputation as a planning board entrusted with the task of keeping Hudson residents safe and healthy is on the line. In the absence of such a study your course of action is crystal clear, you must deny any industrial use of the waterfront. To put the profits of a private sector company over our own children's health without even attempting to measure the impacts is morally bankrupt and puts the city in legal jeopardy.



Best

Yves Jaques

Hudson city resident

Third Ward