

Atmospheric pollution and particulate matter concentration at petrol station in semi-urban site

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The road traffic is the major source of air pollution in the agglomeration of Algiers. As part of the assessment and management of the ambient air quality, we have studied the impact of a petrol station located in a semi-urban site west of Algiers, a weighting of the frequency, the non-detection and the severity of the impact on air quality has been determined. The petrol stations were chosen for their wide setting up throughout the national territory, the proximity service they represent and the nature of services they provide (storage and distribution). The survey has enabled to identify six significant environmental aspects including a major emission of VOC known to be precursors of ozone in the presence of NOX we concluded that the petrol stations could be sites creating oxidant smog. A qualitative analysis by taking of dust by filter sampling system is in agreement with the obtained environmental weighting.