

Air Quality Dashboard | November | 2025

AIR QUALITY MONITORING IN TOWNSVILLE

Air Quality Monitoring in Townsville is conducted separately by both the Department of Environment, Tourism, Science and Innovation (DETSI), and Port of Townsville Limited.

Click here to visit the Port of Townsville's monitoring network

Click here to visit DETSI monitoring network

Information



Dust Monitoring Equipment – an explanation

What cargo is handled at the Townsville Port?

Subscribe, ask questions, provide feedback

Queensland Health statement on lead and safe levels in air around humans

What does this Dashboard show me?

Data



Live Air Quality Monitoring data

Air Quality Bulletin

Live Shipping Schedule

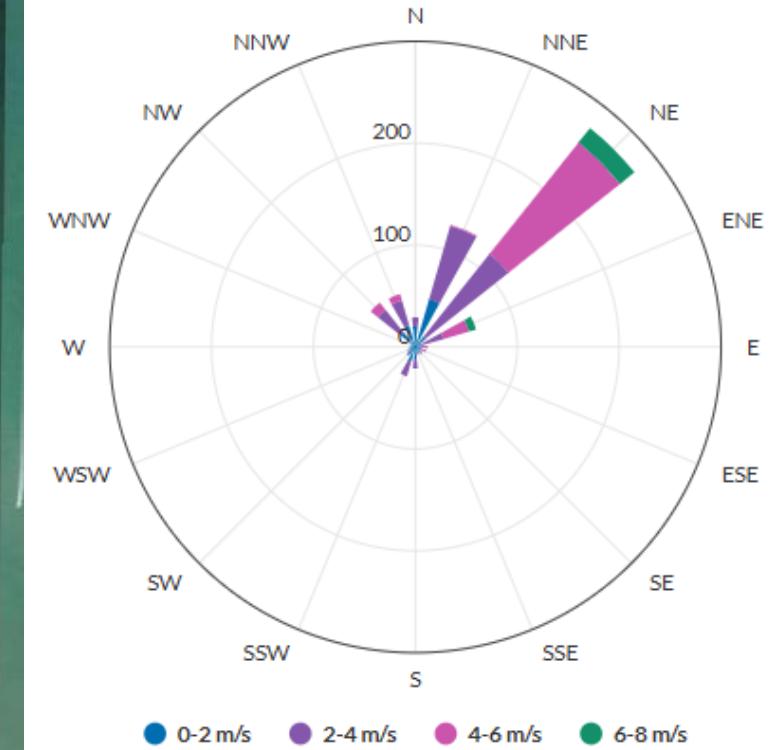
Rainfall Data - BOM

Air Quality Monitoring Plan

Air Quality Monitoring Locations



Wind speed ranges correlating to wind direction



Shipping Movements in November 2025

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Date In/Out	Vessel Name	Cargo	Berth
27 Oct 2025 - 01 Nov 2025	OCEAN ERSIA	FERTILIZER (IMPORT)	4
30 Oct 2025 - 01 Nov 2025	STELLINA		8
31 Oct 2025 - 01 Nov 2025	SIRIUS HIGHWAY	MOTOR VEHICLES (IMPORT)	3 NTH
01 Nov 2025 - 03 Nov 2025	ADF		10
02 Nov 2025 - 02 Nov 2025	SOFRANA SURVILLE	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
03 Nov 2025 - 06 Nov 2025	ANL MOUNT WILHELM	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
03 Nov 2025 - 04 Nov 2025	NEW SENA	MOLASSES (EXPORT)	9
04 Nov 2025 - 06 Nov 2025	XINGTONG 799	FUELS (IMPORT)	1
04 Nov 2025 - 06 Nov 2025	KOTA GABUNG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
06 Nov 2025 - 09 Nov 2025	BBC SEINE	COPPER REFINED (EXPORT)	3 NTH
06 Nov 2025 - 07 Nov 2025	JAWAN	CATTLE (EXPORT)	10
06 Nov 2025 - 08 Nov 2025	WYUNA	CEMENT (IMPORT)	4
07 Nov 2025 - 12 Nov 2025	FRANBO BRAVO	SULPHUR (IMPORT)	8
08 Nov 2025 - 08 Nov 2025	GOLDEN SAGITTARIUS	FUELS (IMPORT)	1
08 Nov 2025 - 09 Nov 2025	THERESA MICRONESIA	MOLASSES (EXPORT)	9
09 Nov 2025 - 11 Nov 2025	ADF		10
09 Nov 2025 - 10 Nov 2025	CAPE BONAVISTA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
10 Nov 2025 - 10 Nov 2025	PMG EMERALD		4
10 Nov 2025 - 11 Nov 2025	DAIWAN MIRACLE	SUGAR (EXPORT)	9
10 Nov 2025 - 11 Nov 2025	STAVANGER PRIDE	FUELS (IMPORT)	1
10 Nov 2025 - 12 Nov 2025	CS JADEN	LEAD INGOTS (EXPORT)	3 STH
11 Nov 2025 - 11 Nov 2025	CARNIVAL LUMINOSA		10
11 Nov 2025 - 12 Nov 2025	LEO ASPHALT II	BITUMEN (IMPORT)	4
12 Nov 2025 - 13 Nov 2025	ALTAIR LEADER	MOTOR VEHICLES (IMPORT)	10
12 Nov 2025 - 13 Nov 2025	SUNGKIANG	FERTILIZER (IMPORT)	9
12 Nov 2025 - 13 Nov 2025	CS JADEN	LEAD INGOTS (EXPORT)	2
12 Nov 2025 - 14 Nov 2025	KANAVU BENEFIT	CONCENTRATES (IMPORT) CONCENTRATES (EXPORT)	3 STH
13 Nov 2025 - 13 Nov 2025	LORD VISHNU	MOTOR VEHICLES (IMPORT)	10
13 Nov 2025 - 15 Nov 2025	ONYX ARROW	MOTOR VEHICLES (IMPORT)	4
13 Nov 2025 - 15 Nov 2025	VIPHA NAREE	FERTILIZER (EXPORT)	8
14 Nov 2025 - 19 Nov 2025	KANAVU BENEFIT	CONCENTRATES (IMPORT) CONCENTRATES (EXPORT)	10
14 Nov 2025 - 17 Nov 2025	KYOWA ROSE	TYRES (IMPORT) COPPER REFINED (EXPORT)	3 STH
14 Nov 2025 - 16 Nov 2025	DANCEFLORA SW	SUGAR (EXPORT)	9
15 Nov 2025 - 15 Nov 2025	TORM AGNETE	FUELS (IMPORT)	1
16 Nov 2025 - 22 Nov 2025	UNI SUNSHINE	SCRAP (EXPORT)	8
17 Nov 2025 - 19 Nov 2025	ANL KOKODA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4

Date In/Out	Vessel Name	Cargo	Berth
17 Nov 2025 - 24 Nov 2025	JUMEIRAH BEACH	COKE (IMPORT)	3 STH
18 Nov 2025 - 19 Nov 2025	HPC WISDOM	SUGAR (EXPORT)	9
19 Nov 2025 - 22 Nov 2025	SE MARINA	CONCENTRATES (EXPORT)	11
20 Nov 2025 - 21 Nov 2025	PMG EMERALD		10
21 Nov 2025 - 23 Nov 2025	HONIARA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
21 Nov 2025 - 22 Nov 2025	ELEGANT SW	SUGAR (EXPORT)	9
22 Nov 2025 - 25 Nov 2025	TORM EVOLVE	FUELS (IMPORT)	1
23 Nov 2025 - 26 Nov 2025	ESL WINNER	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
23 Nov 2025 - 26 Nov 2025	LIGNUM MESH	FERTILIZER (EXPORT)	8
24 Nov 2025 - 24 Nov 2025	VIKING VENUS		10
25 Nov 2025 - 28 Nov 2025	HAPPY DOVER	CONCENTRATES (IMPORT)	3 STH
26 Nov 2025 - 26 Nov 2025	VIKING ORION		10
26 Nov 2025 - 28 Nov 2025	JUMEIRAH BEACH	CONCENTRATES (EXPORT)	8
26 Nov 2025 - 29 Nov 2025	LUGA	CEMENT (IMPORT)	4
27 Nov 2025 - 28 Nov 2025	GOLDEN AUSTRALIS	TALLOW (EXPORT)	9
27 Nov 2025 - 28 Nov 2025	EUROPEAN HIGHWAY	MOTOR VEHICLES (IMPORT)	10
28 Nov 2025 - 30 Nov 2025	CETUS SEI	FERTILIZER (EXPORT)	8
28 Nov 2025 - 30 Nov 2025	LOWLANDS BLOSSOM	CONCENTRATES (EXPORT)	3 STH
29 Nov 2025 - 29 Nov 2025	GREYMAN EXPRESS	CATTLE (EXPORT)	4



Port of Townsville Overview

First established in 1864, the Port of Townsville operates eight berths handles around \$8 billion in trade; servicing more than 136 ports around the globe.

In 2020-21, the Port of Townsville delivered strong financial results and continued to roll-out major infrastructure investments despite the impacts of the ongoing global pandemic, COVID-19. In a year where supply chains across the world have been tested, a total of 7.7 million tonnes of freight passed over our wharves, which was a 6.3 per cent decrease on last year. With a focus on cost management, the Port also reported a \$14.33 million net profit for 2020/21, see the Annual Report.

The role of mining, resources and agricultural industries have never been more significant with our growth primarily driven by exports of mineral concentrates (down 8.14%), fertiliser (up 9.7%) and livestock (down 6%). Townsville is the number one port in Australia for copper, zinc, lead and sugar exports and services 75% of the Northern Australia population. More than 20 shipping lines operate out of the Townsville Port offering more than 40 different services. Townsville is also a strategic Navy port and facilitates cruise ship visits.

Commodities/cargo that passes over the Townsville Port's berths include:

Imports

Containers and general cargo, motor vehicles, tyres, bulk products - cement, sulphuric acid, fertiliser, sulphur, zinc concentrate and petroleum (fuel) products.

Exports

General cargo, containers, timber, cattle, tallow, refined metal products, bulk products - sugar, molasses, fertiliser and mineral concentrates (zinc, copper, lead).

delivering sustainable prosperity

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OR

Visit the [Port of Townsville Facebook page](#) and click on “Sign up” at the top of the page.

OR

Phone 07 4781 1500 and asked to be added to the list.

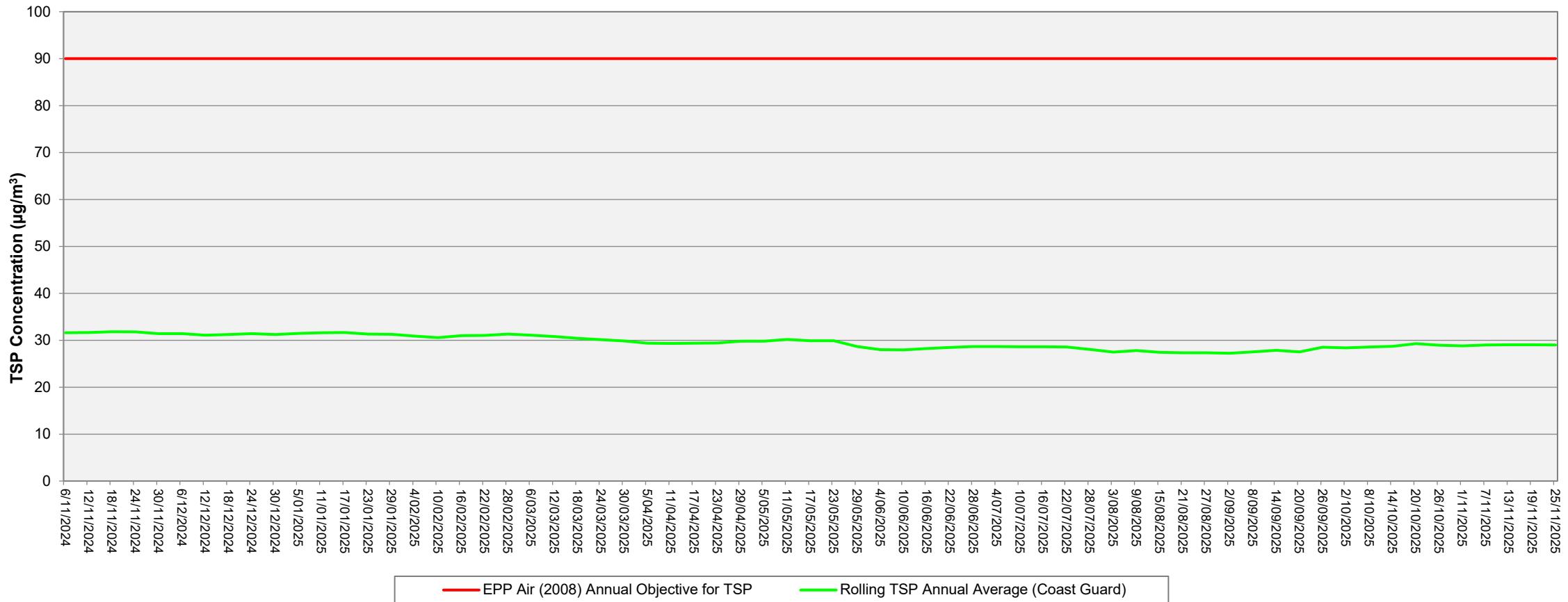
Ask a Question / Provide Feedback

Send your enquiry or feedback to community@townsvilleport.com.au

[Click here](#) for information on how to interpret this data

Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site

November 2024 – November 2025



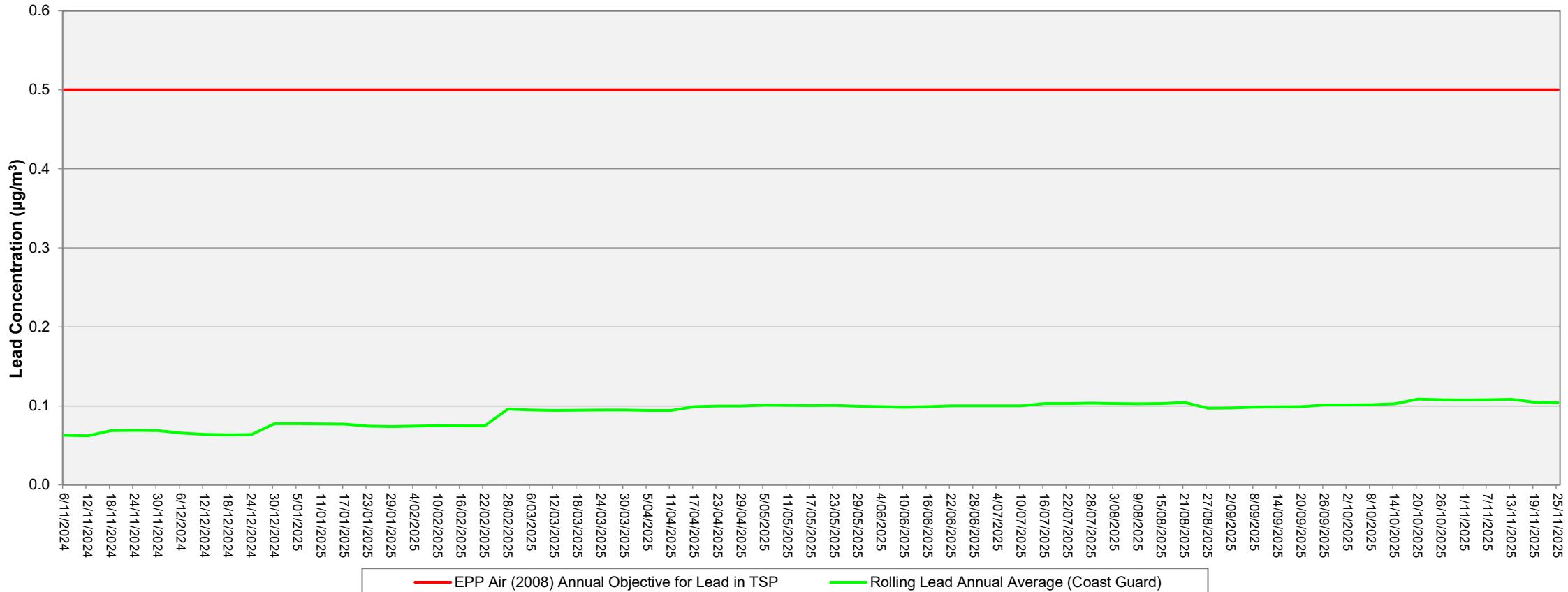
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period

Rolling annual average = the moving average of the previous 11 results and the current result

[Click here](#) for information on how to interpret this data

Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site

November 2024 – November 2025

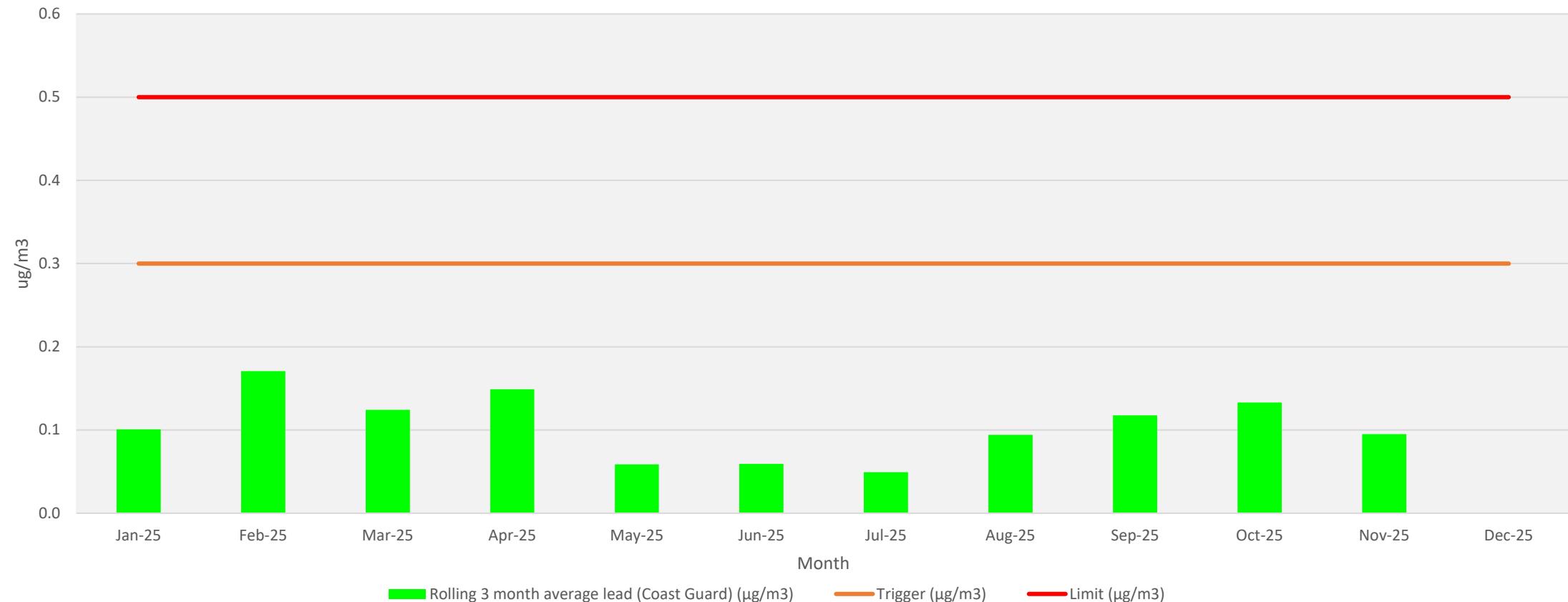


Note: Lead Concentration units = micrograms per cubic metre per 24-hour period

Rolling annual average = the moving average of the previous 11 results and the current result

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Hi-Volume Sampler - Lead in dust levels (one in six days) at Coast Guard Site 2025

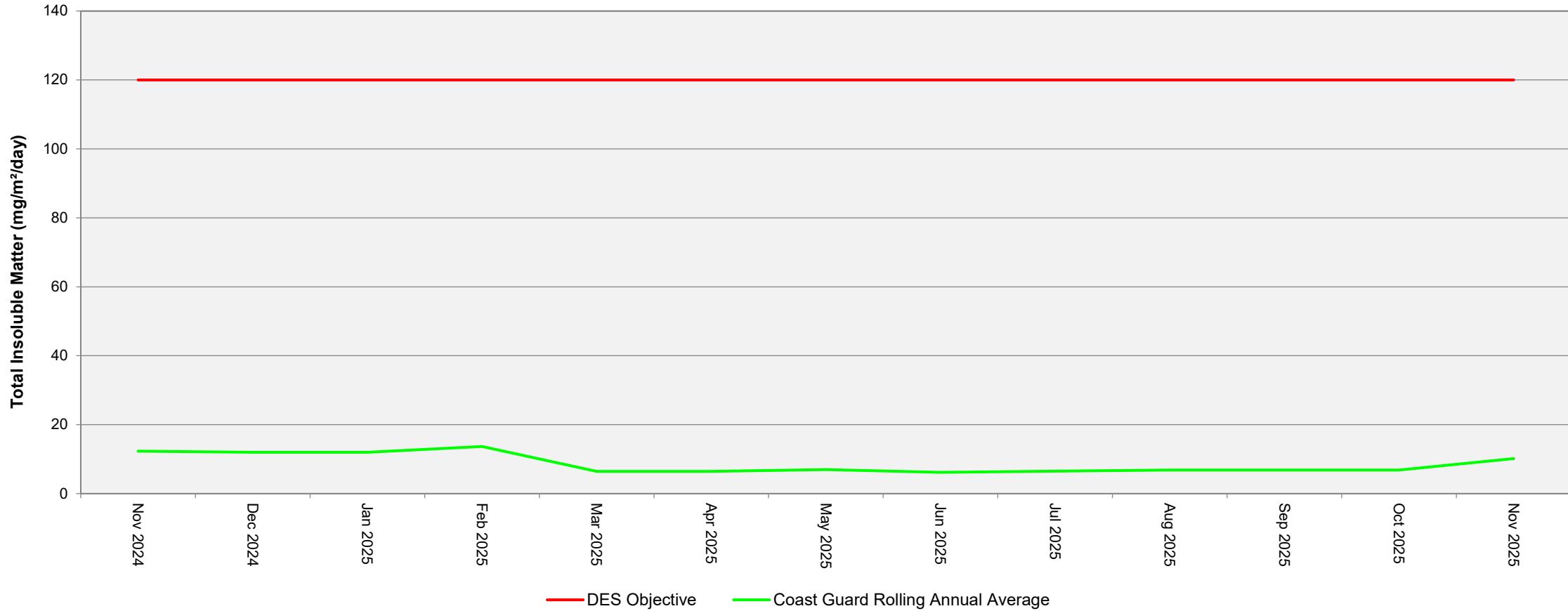


Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

[Click here](#) for information on how to interpret this data

Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site

November 2024 – November 2025



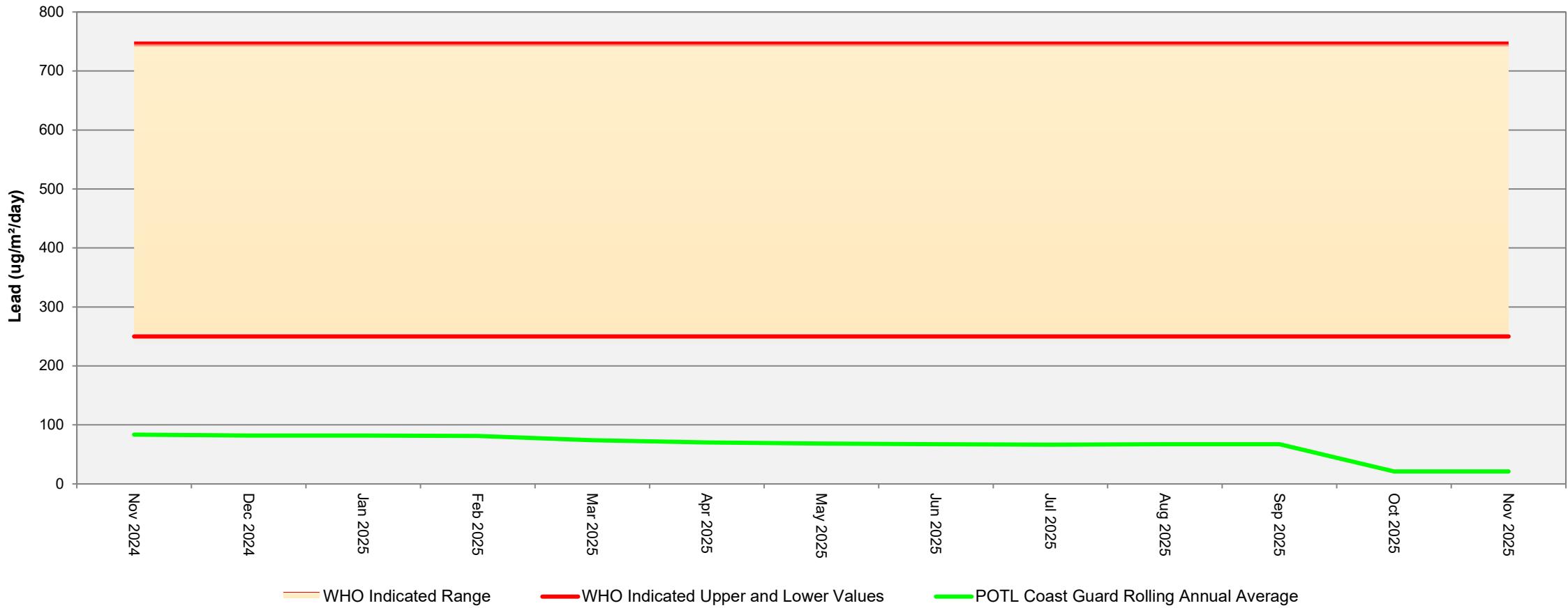
Note:

Total Insoluble Matter Concentration units = micrograms per square metre per day

Rolling annual average = the moving average of the previous 11 results and the current result

[Click here](#) for information on how to interpret this data

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Coast Guard Site November 2024 – November 2025



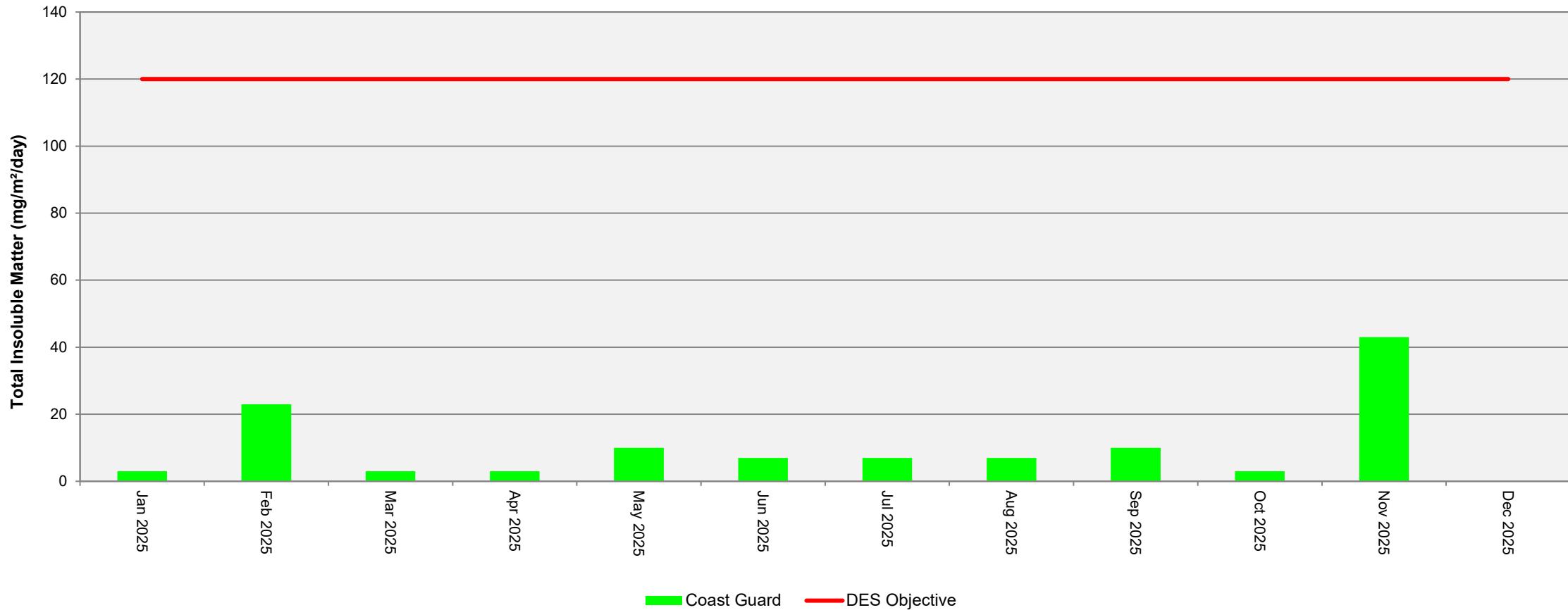
Note:

Lead Concentration units = micrograms per square metre per day

Rolling annual average = the moving average of the previous 11 results and the current result.

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Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site 2025

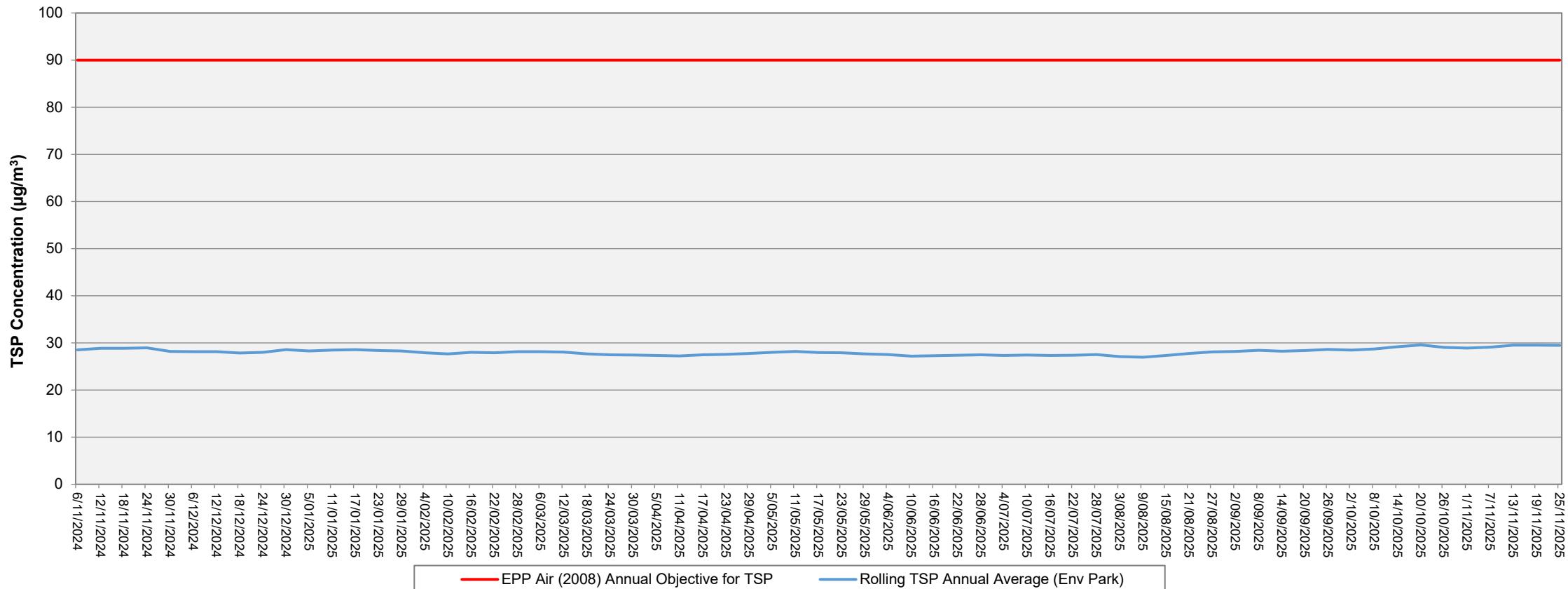


Note: Total Insoluble Matter Concentration units = milligrams per square metre per day.

[Click here](#) for information on how to interpret this data

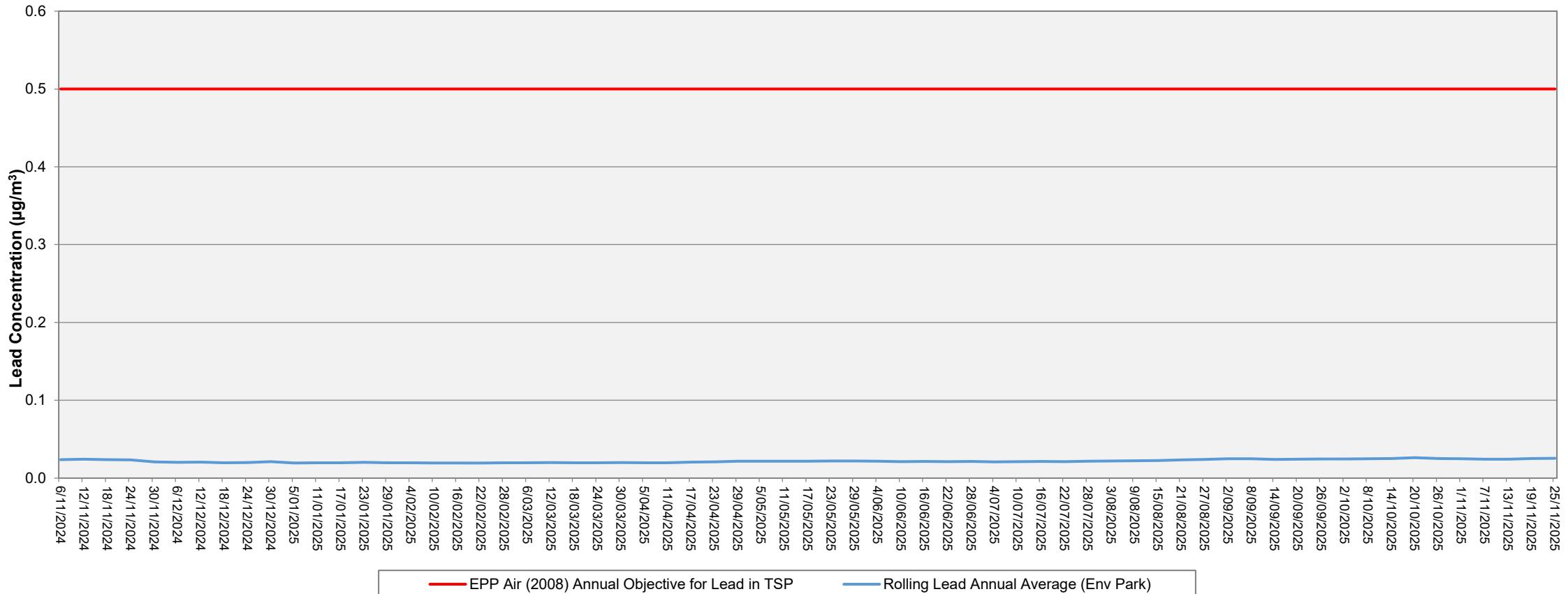
Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site

November 2024 – November 2025



[Click here](#) for information on how to interpret this data

Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site November 2024 – November 2025



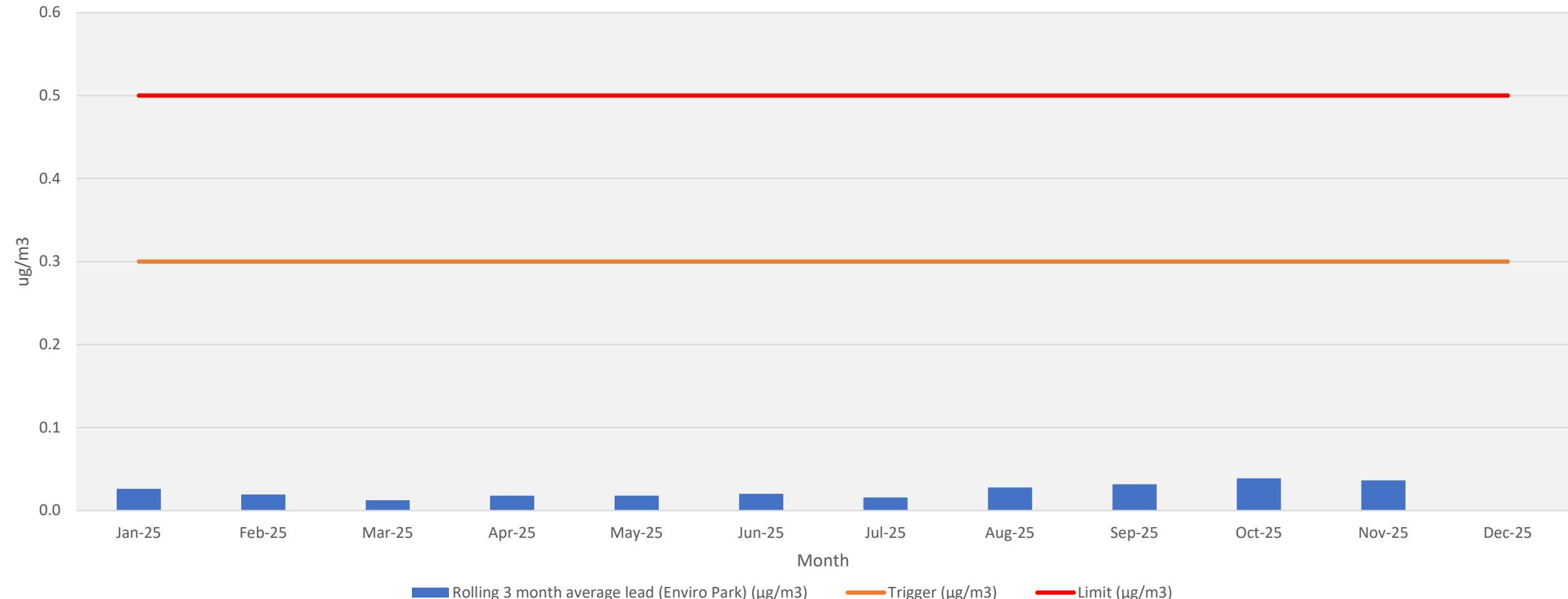
Note:

Lead Concentration units = micrograms per cubic metre per 24-hour period

Rolling annual average = the moving average of the previous 11 results and the current result

[Click here](#) for information on how to interpret this data

Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site 2025

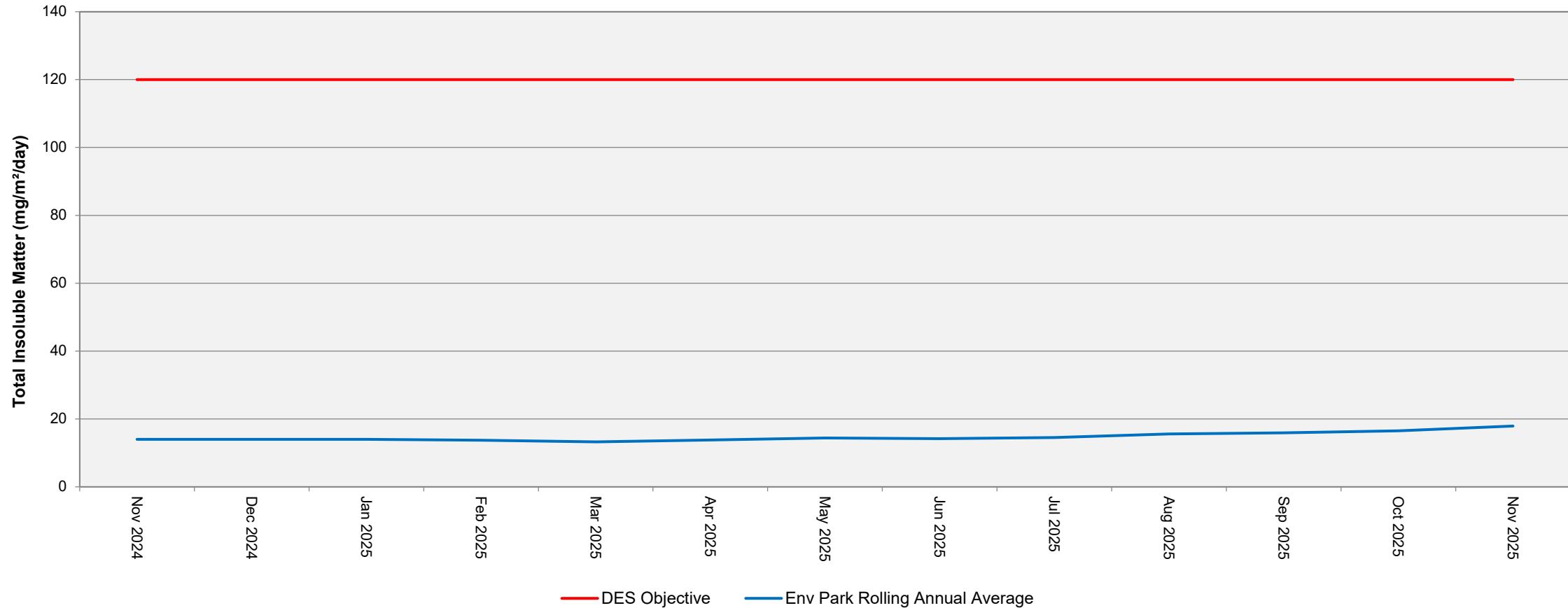


Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

[Click here](#) for information on how to interpret this data

Dust Deposition Gauge - General dust deposition levels (monthly) at Environment Park site

November 2024 – November2025



Note:

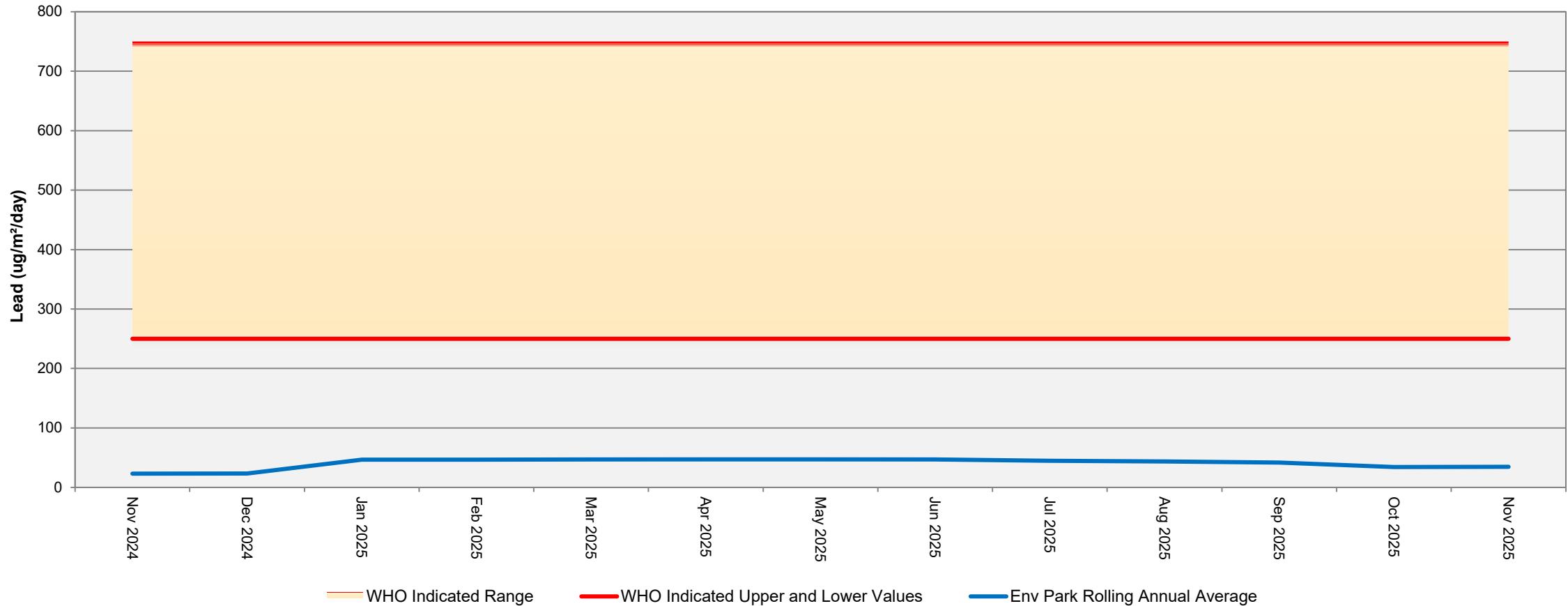
Total Insoluble Matter Concentration units = micrograms per square metre per day

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Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site

November 2024 – November 2025



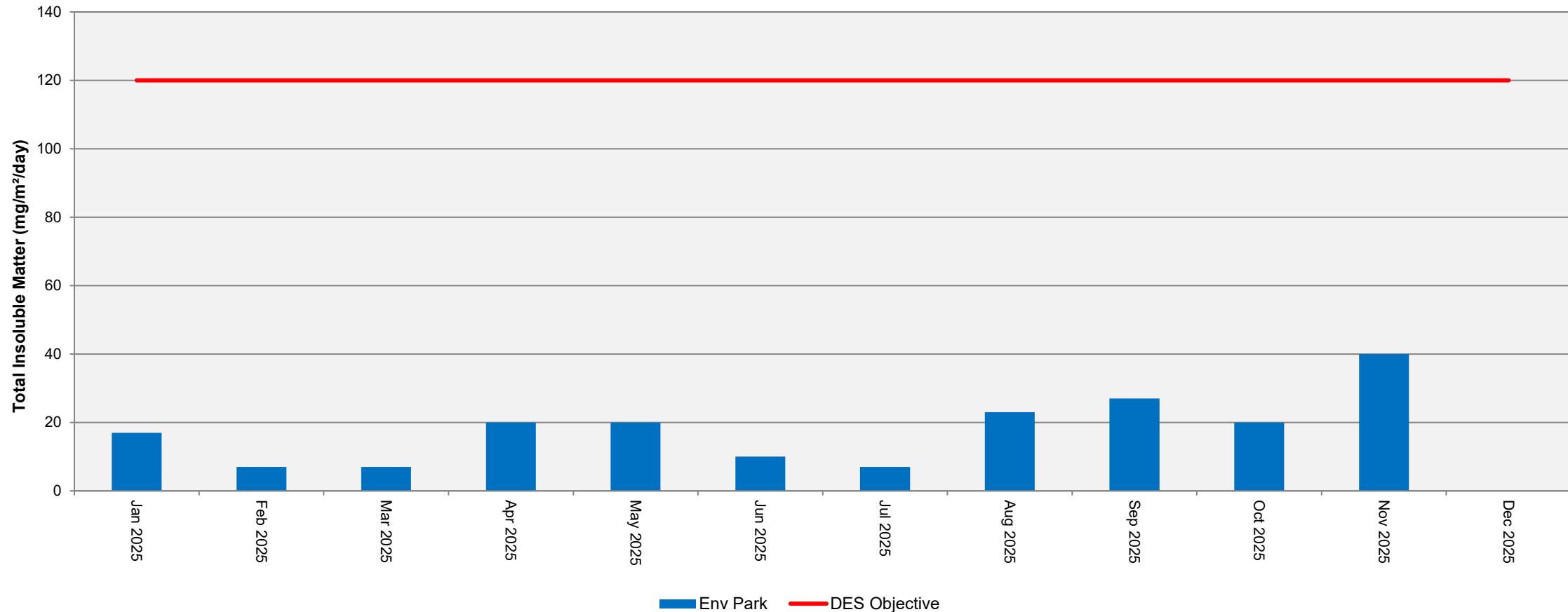
Note:

Lead Concentration units = micrograms per square metre per day

Rolling annual average = the moving average of the previous 11 results and the current result

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Dust Deposition Gauge – General dust deposition levels (monthly) at Environment Park Site 2025



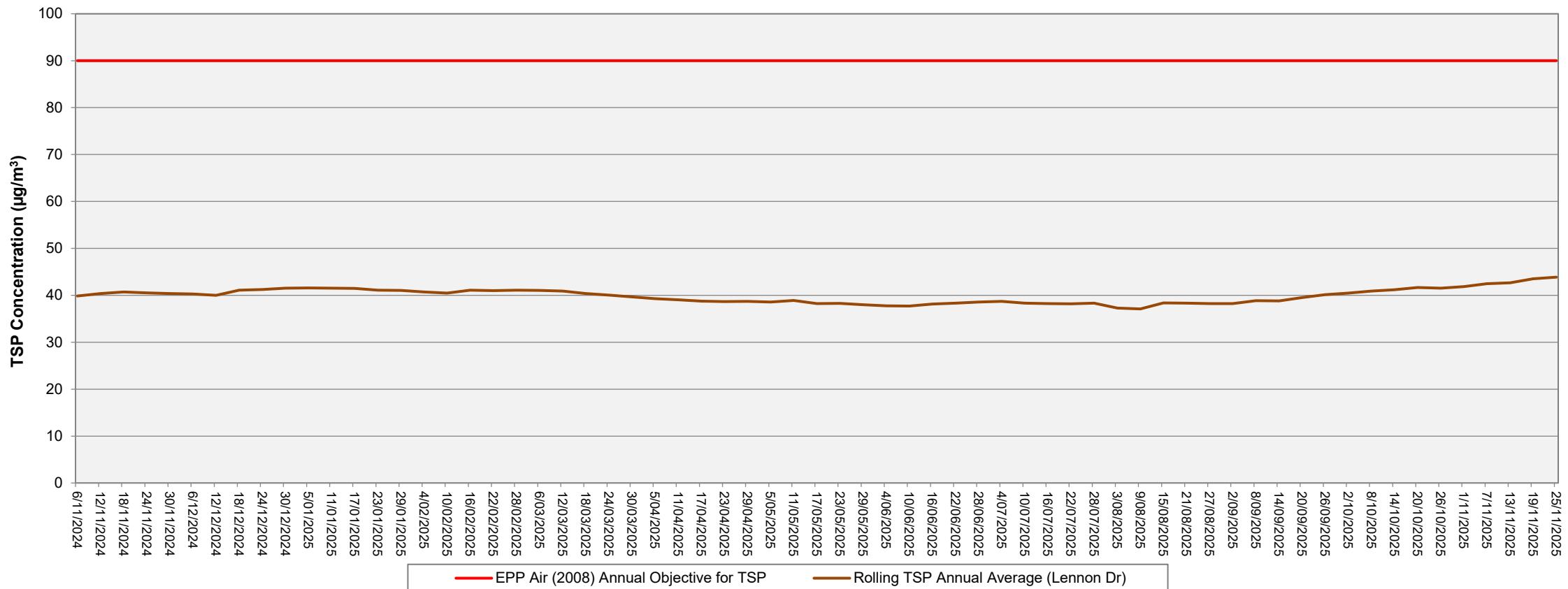
Note:

Total Insoluble Matter Concentration units = milligrams per square metre per day

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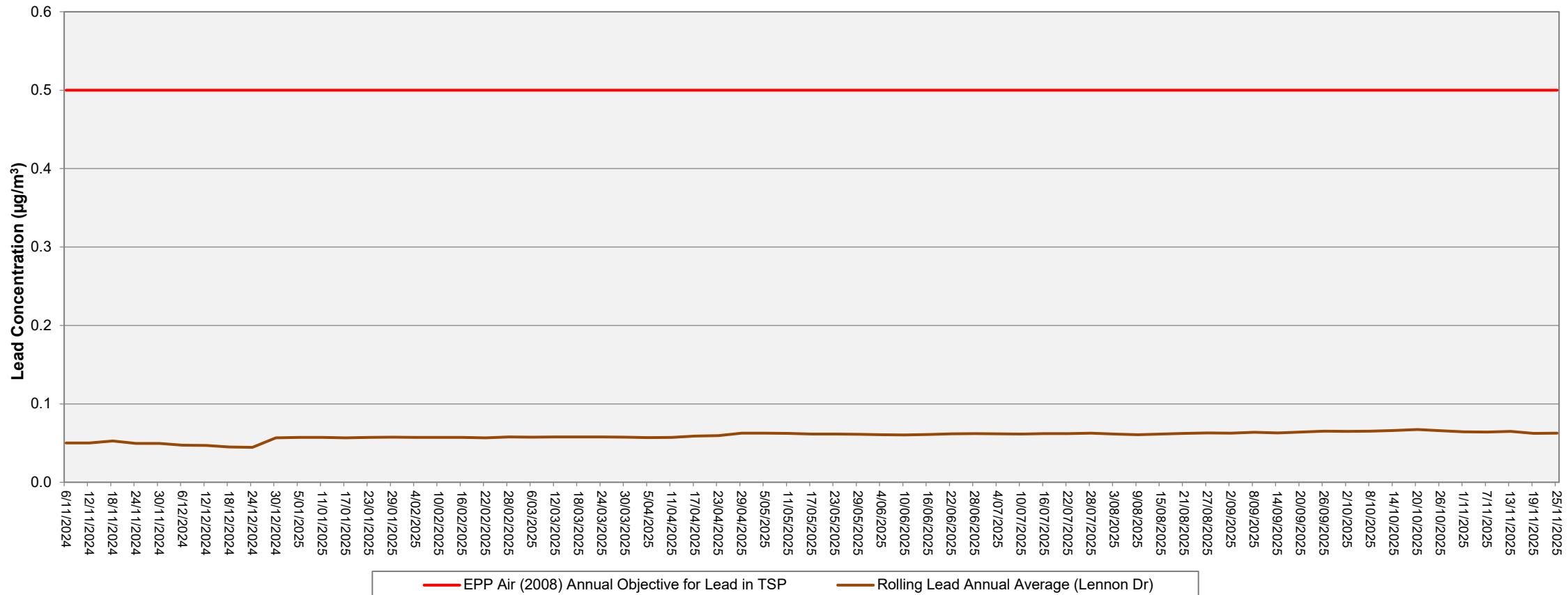
Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site

November 2024 – November 2025



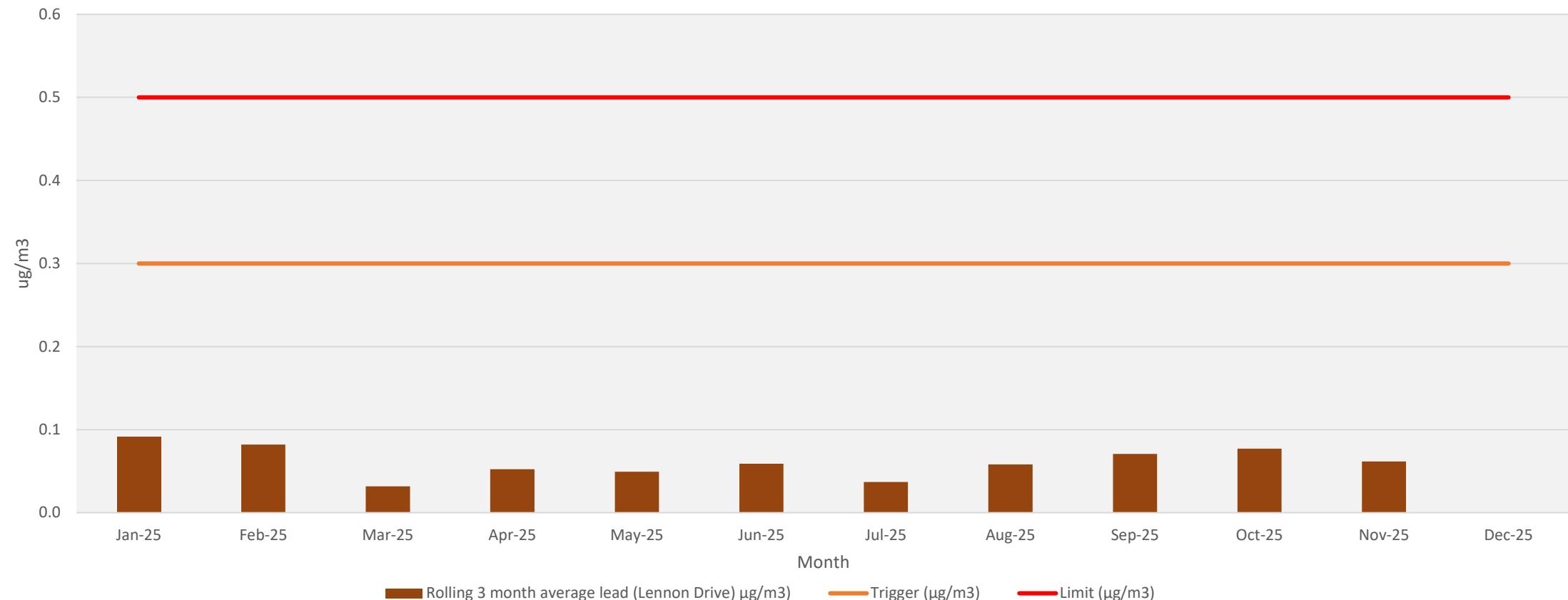
[Click here](#) for information on how to interpret this data

Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site November 2024 – November 2025



[Click here](#) for information on how to interpret this data

Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site 2025

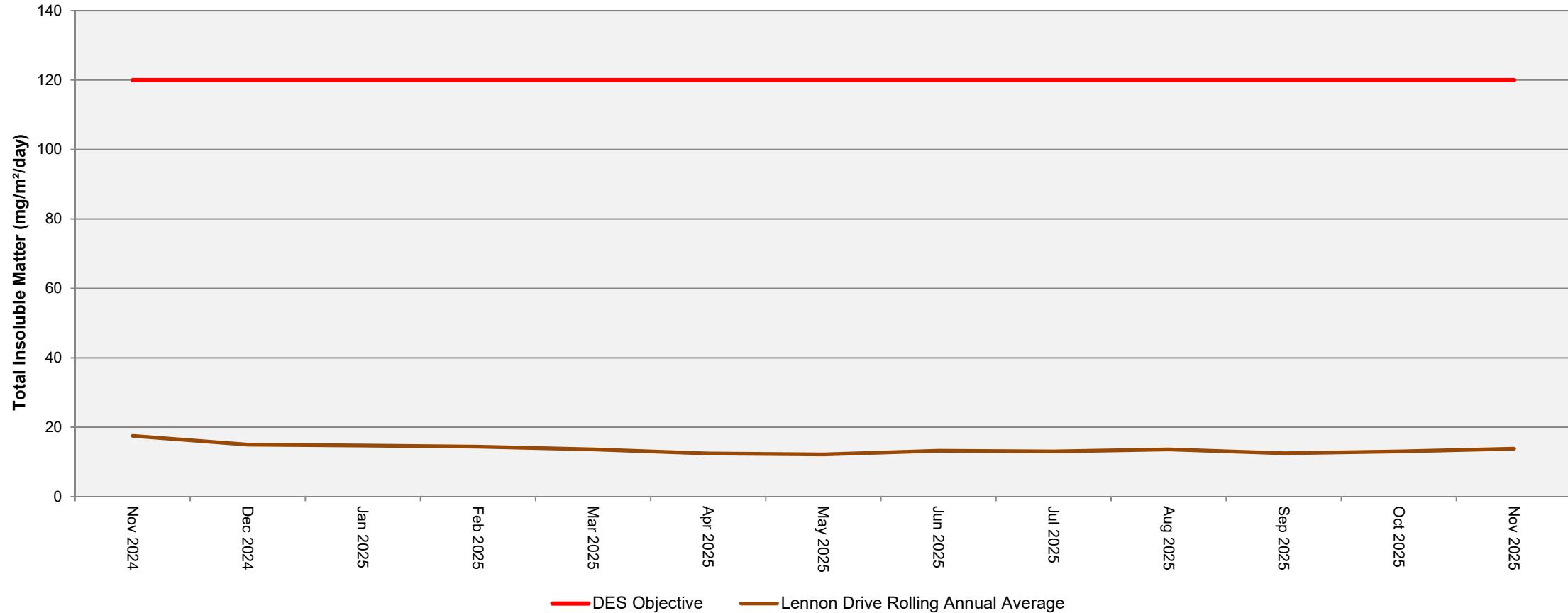


Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

[Click here](#) for information on how to interpret this data

Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site

November 2024 – November 2025



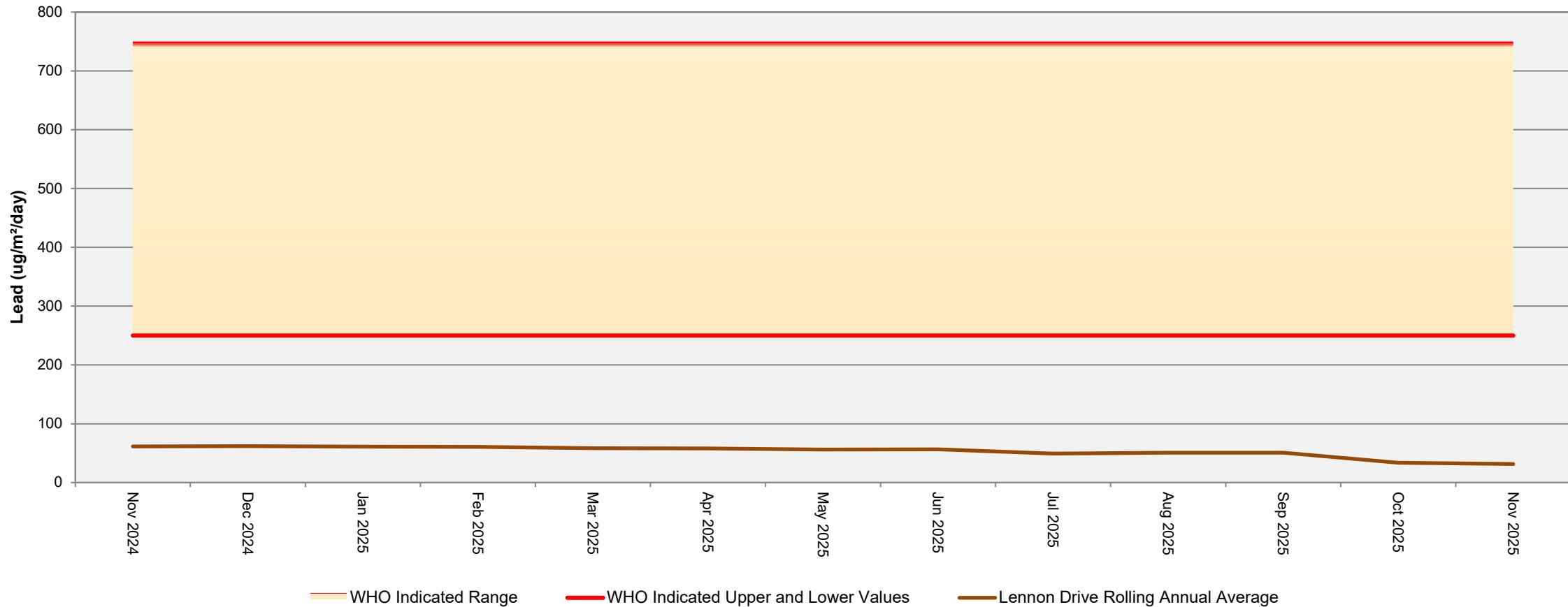
Note:

Total Insoluble Matter Concentration units = micrograms per square metre per day

Rolling annual average = the moving average of the previous 11 results and the current result

[Click here](#) for information on how to interpret this data

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Lennon Drive Site November 2024 – November 2025



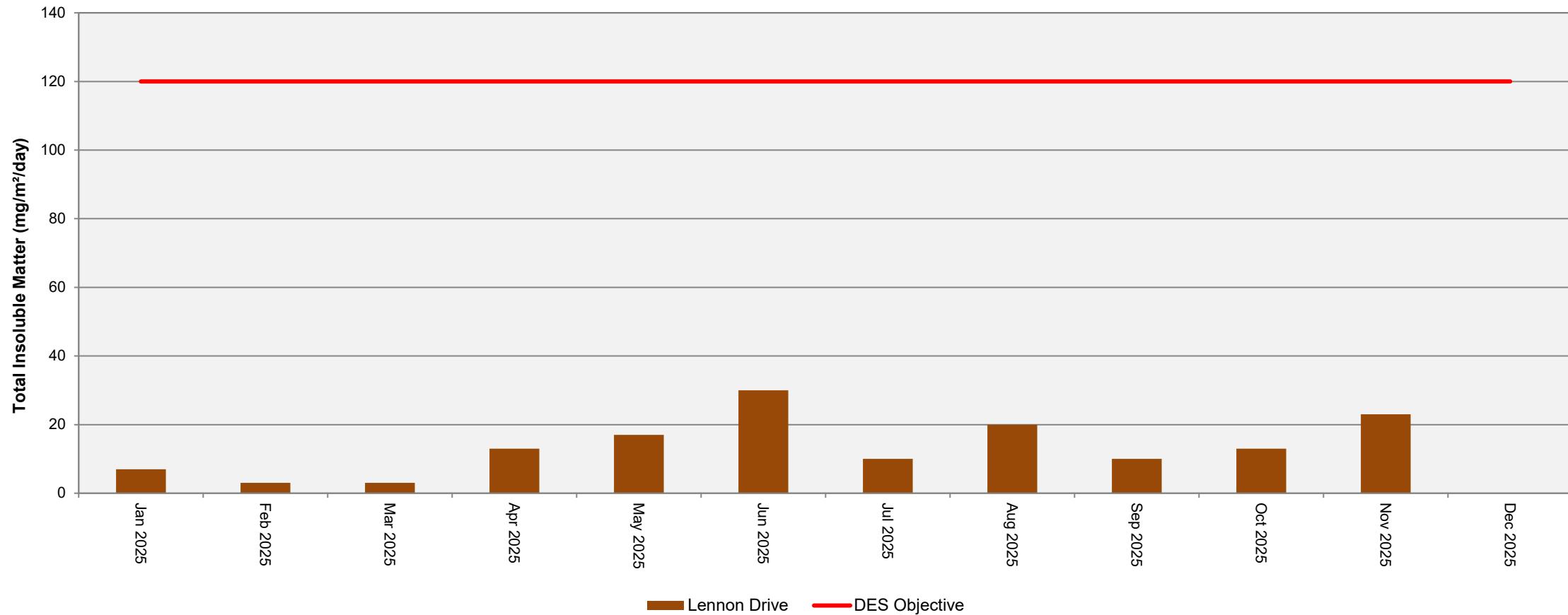
Note:

Lead Concentration units = micrograms per square metre per day

Rolling annual average = the moving average of the previous 11 results and the current result

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Dust Deposition Gauge – General dust deposition levels (monthly) at Lennon Drive Site 2025



Note:

Total Insoluble Matter Concentration units = milligrams per square metre per day

This statement/advice was provided by Queensland Health in relation to blood lead levels in Townsville in April 2016

Environmental limits for lead are set using a number of possible criteria including potential health effects.

Blood lead level within the Australian population have been decreasing over time as the use of lead – particularly in petrol and paint - has been phased out. The most recent NHMRC guidance document suggests that a blood lead level of less than 5 $\mu\text{g}/\text{dL}$ is what should be expected in the general population.

Elevated blood lead levels are notified to Queensland Health for investigation. Previously this level was 10 $\mu\text{g}/\text{dL}$ but since the beginning of 2016 has been reduced to 5 $\mu\text{g}/\text{dL}$. This is not an indication of a safe blood level, but is a trigger level that requires investigation into what in the individual's environment is contributing to the level.

Based on studies recognised by the World Health Organisation into the relationship between lengthy exposure to ambient air lead levels and increases in blood lead levels, the current 12 month rolling average for measurements (as at March 2016) at the Townsville Coast Guard Site could be expected to add between 0.36 $\mu\text{g}/\text{dL}$ and 0.6 $\mu\text{g}/\text{dL}$ to a person's total blood lead level. This increment is only about 10% of the level that would require further investigation. Along with other normal exposure, this would not be expected to exceed that level, is well within the expected community range, and below the level that would trigger further investigation.

The highest rolling annual average in recent years (recorded in May 2014 at the Townsville Coast Guard Site) yields a predicted result of between 1.14 $\mu\text{g}/\text{dL}$ and 1.9 $\mu\text{g}/\text{dL}$, still well under the level which should trigger concern.