

Air Quality Dashboard | May | 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

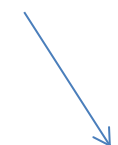
What cargo is
handled at the
Townsville
Port?

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

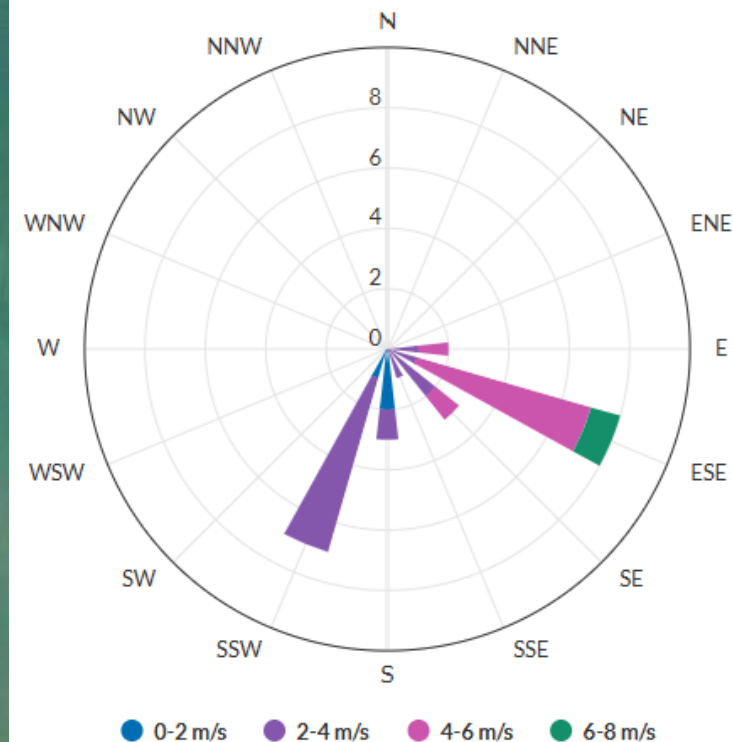
Rainfall Data -
BOM

Air Quality
Monitoring Plan

Air Quality Monitoring Locations



Wind speed ranges correlating to wind direction



Shipping Movements in May 2025

[Click here](#) to return to Main Page

Date In/Out	Vessel Name	Cargo	Berth
28 Apr 2025 - 02 May 2025	ANGEL ISLAND	CONCENTRATES (EXPORT)	10
30 Apr 2025 - 02 May 2025	GOLDEN UNITY	SULPHURIC ACID (EXPORT)	1
30 Apr 2025 - 01 May 2025	JUNO AVENIR	ZINC INGOTS (EXPORT)	9
30 Apr 2025 - 01 May 2025	HANSA FREYBURG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
01 May 2025 - 02 May 2025	WOOHYUN STAR	CONCENTRATES (EXPORT)	3 STH
01 May 2025 - 02 May 2025	SILVER LADY	FERTILIZER (EXPORT)	8
01 May 2025 - 05 May 2025	JUNO AVENIR	ZINC INGOTS (EXPORT)	4
02 May 2025 - 02 May 2025	GOLDEN CHIE	FUELS (IMPORT)	1
02 May 2025 - 03 May 2025	ANGEL ISLAND	CONCENTRATES (EXPORT)	3 STH
02 May 2025 - 04 May 2025	ALPHA BULKER	CONCENTRATES (EXPORT)	8
05 May 2025 - 08 May 2025	KYOWA ORCHID	TYRES (IMPORT)	3 NTH
07 May 2025 - 08 May 2025	MOTUKEA CHIEF	CONTAINERS (IMPORT)	4
08 May 2025 - 08 May 2025	APHRODITE LEADER	MOTOR VEHICLES (IMPORT)	10
08 May 2025 - 09 May 2025	ELANDRA FJORD	FUELS (IMPORT)	1
08 May 2025 - 09 May 2025	KAN WO	BITUMEN (IMPORT)	4
08 May 2025 - 10 May 2025	JUTHA MALEE	ARMY EQUIPMENT (IMPORT)	3 STH
09 May 2025 - 10 May 2025	PORT ANGELES	FERTILIZER (EXPORT)	8
10 May 2025 - 12 May 2025	PORT ANGELES	FERTILIZER (EXPORT)	10
11 May 2025 - 12 May 2025	DAIWAN GLORY	FERTILIZER (IMPORT)	3 NTH
11 May 2025 - 12 May 2025	GRAND WINNER 5	FUELS (IMPORT)	1
12 May 2025 - 13 May 2025	ANL KOKODA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
12 May 2025 - 14 May 2025	ASL ROSE	FERTILIZER (EXPORT)	8
13 May 2025 - 14 May 2025	JAWAN	CATTLE (EXPORT)	3 STH
13 May 2025 - 14 May 2025	NORTHERN ESCAPE		9
13 May 2025 - 14 May 2025	COMET ACE	MOTOR VEHICLES (IMPORT)	10
15 May 2025 - 19 May 2025	AFRICAN QUAIL	SULPHUR (IMPORT)	10
16 May 2025 - 17 May 2025	SUNSET	CONCENTRATES (EXPORT)	3 STH
16 May 2025 - 17 May 2025	THERESA MICRONESIA	MOLASSES (EXPORT)	9
17 May 2025 - 18 May 2025	CRIMSON SAPPHIRE	CONCENTRATES (EXPORT)	11
18 May 2025 - 20 May 2025	KONDILI	CEMENT (IMPORT)	4
18 May 2025 - 21 May 2025	AAL FREMANTLE	STEEL PIPES (IMPORT)	3 NTH
19 May 2025 - 21 May 2025	AFRICAN QUAIL	SULPHUR (IMPORT)	8
20 May 2025 - 21 May 2025	PALANCA MIAMI	BITUMEN (IMPORT)	1

Date In/Out	Vessel Name	Cargo	Berth
21 May 2025 - 22 May 2025	KOTA GABUNG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
23 May 2025 - 23 May 2025	KARIYUSHI LEADER	MOTOR VEHICLES (IMPORT)	4
23 May 2025 - 25 May 2025	BERGE ASAHIDAKE	UREA (IMPORT)	10
23 May 2025 - 24 May 2025	DENSA HAWK	ZINC CONCENTRATES (EXPORT)	8
24 May 2025 - 25 May 2025	VIKING ADVENTURE		3 NTH
25 May 2025 - 27 May 2025	FLORA DELMAS	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
25 May 2025 - 27 May 2025	KITE ARROW	ZINC CONCENTRATES (EXPORT)	8
26 May 2025 - 26 May 2025	GOLDEN SAGITTARIUS	FUELS (IMPORT)	1
26 May 2025 - 28 May 2025	SUNSET	CONCENTRATES (EXPORT)	3 STH
26 May 2025 - 28 May 2025	TRANSFORMER OL	SUGAR (EXPORT)	9
27 May 2025 - 27 May 2025	YONG AO	FUELS (IMPORT)	1
27 May 2025 - 29 May 2025	ULTRA RELIANCE	FERTILIZER (EXPORT)	8
27 May 2025 - 27 May 2025	YANGTZE AMBITION	GENERAL/BREAK BULK (IMPORT)	4
28 May 2025 - 29 May 2025	FOREVER PROSPERITY	FUELS (IMPORT)	1
28 May 2025 - 30 May 2025	KYOWA ROSE	TYRES (IMPORT) CONTAINERS (EXPORT)	3 NTH
28 May 2025 - 30 May 2025	PAGNA		4
30 May 2025 - 31 May 2025	EASTGATE	SUGAR (EXPORT)	9



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).

Port of Townsville Overview

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OR

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

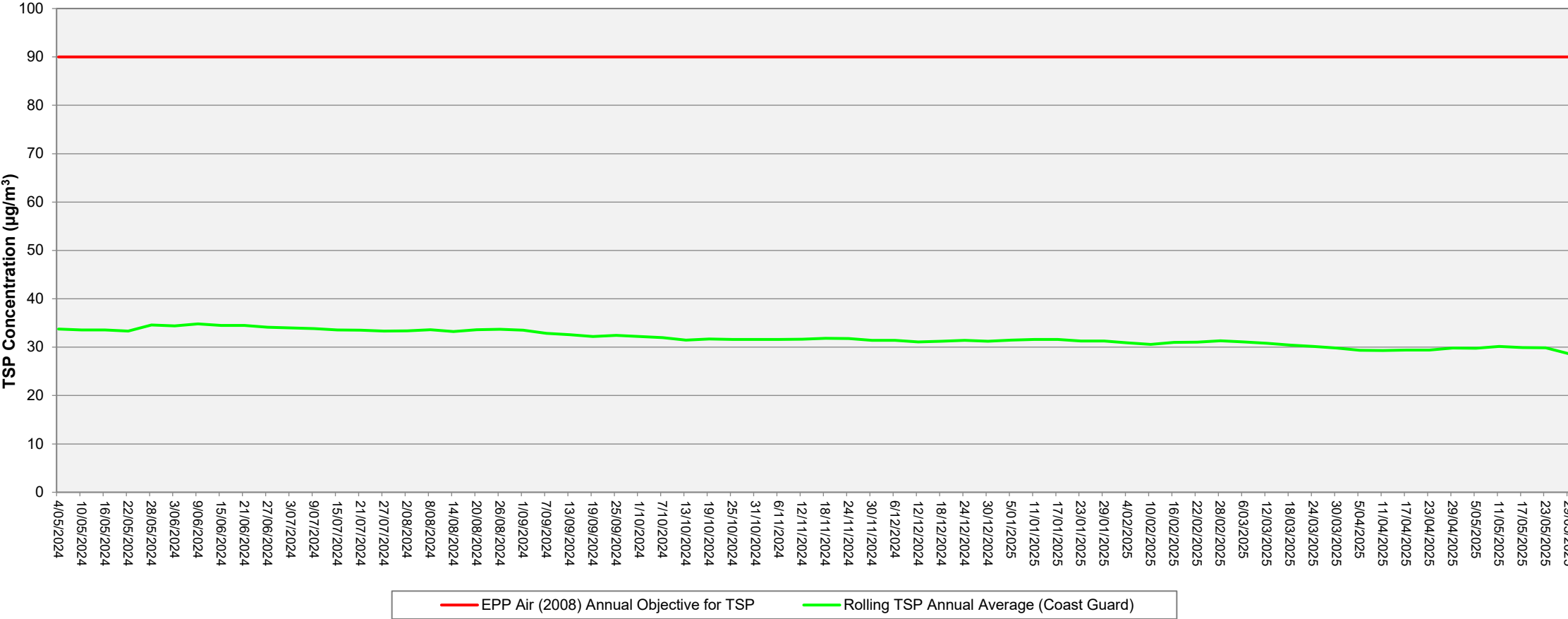
OR

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

Ask a Question / Provide Feedback

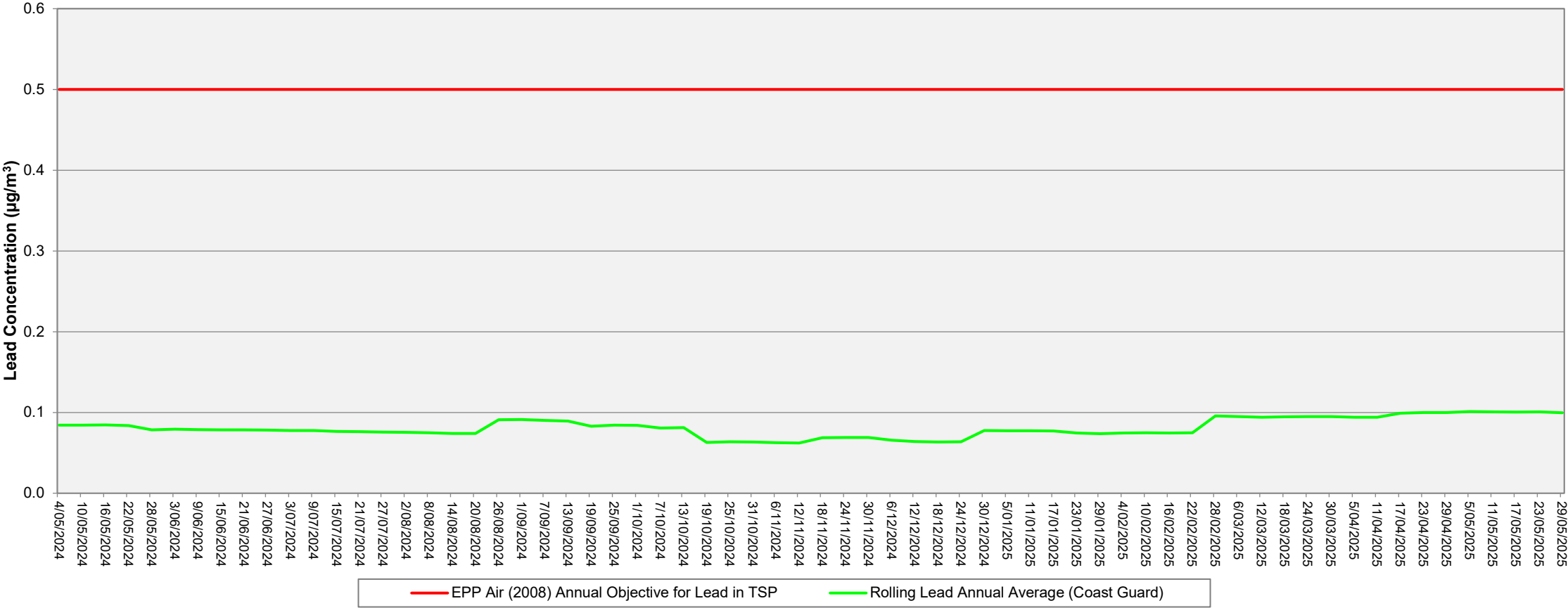
Send your enquiry or feedback to community@townsvilleport.com.au

Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site
May 2024 – May 2025



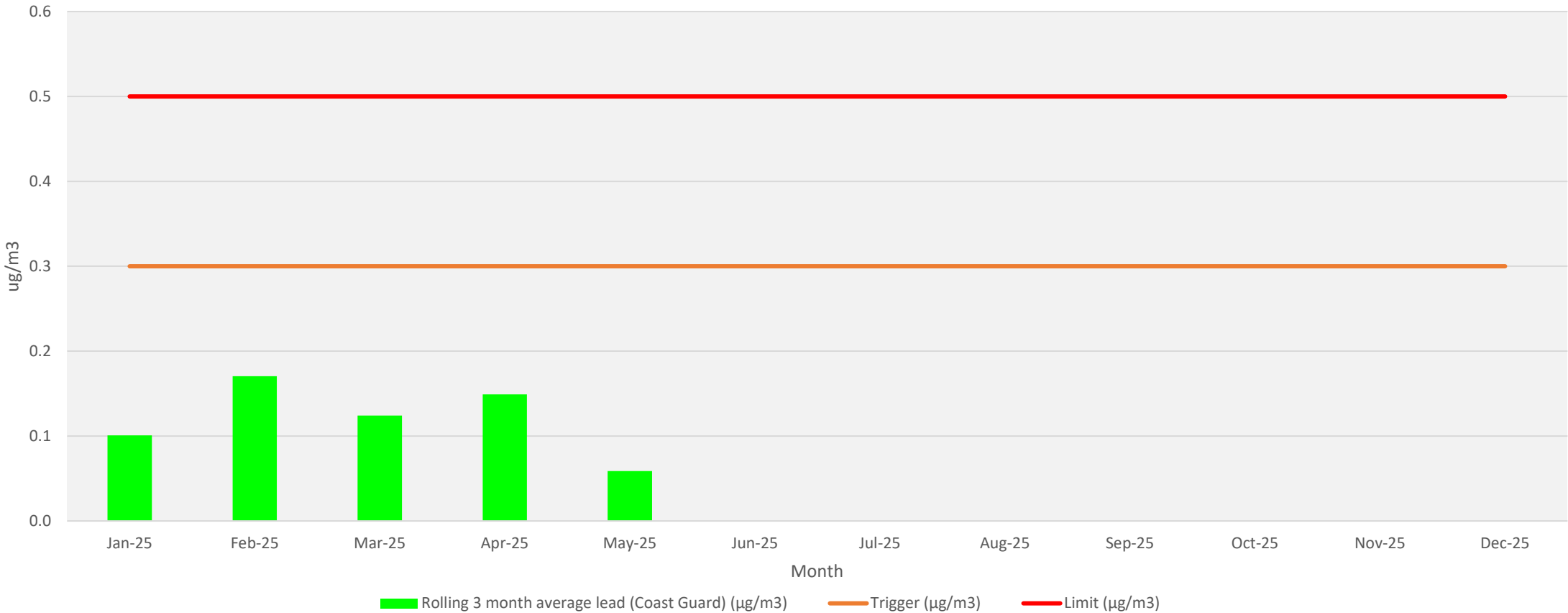
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site
May 2024 – May 2025



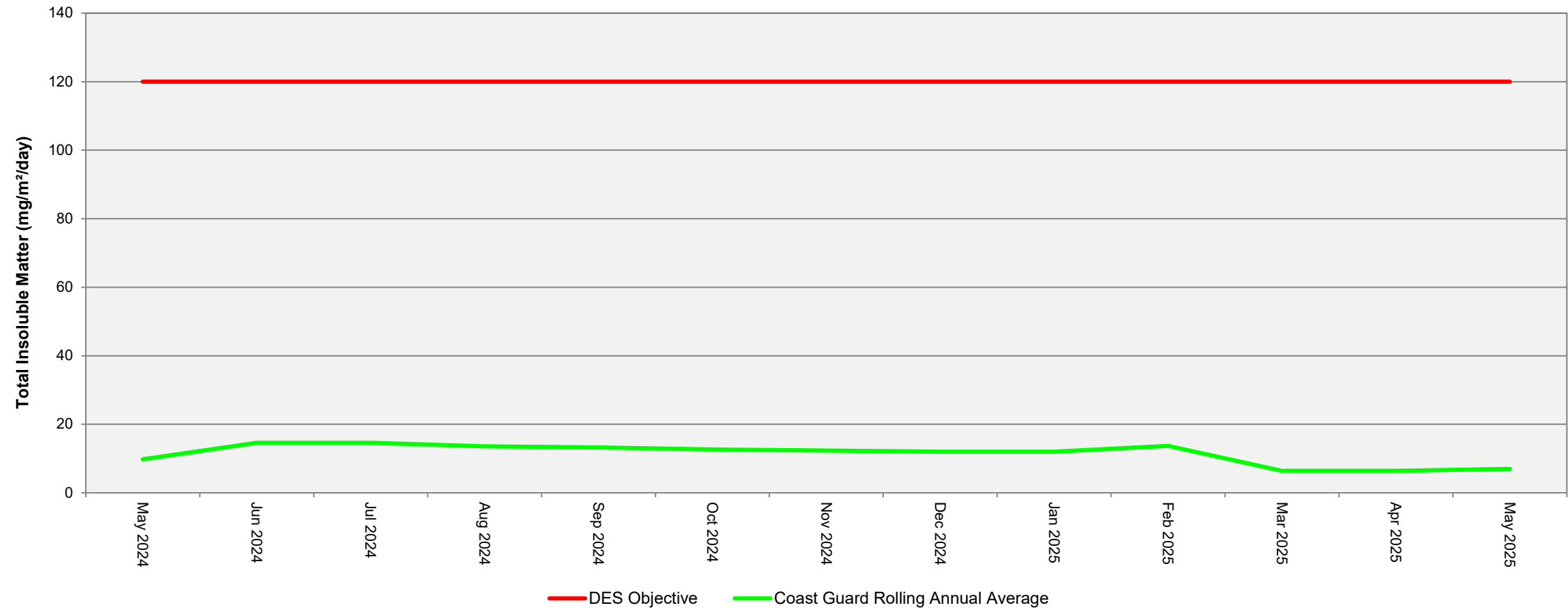
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



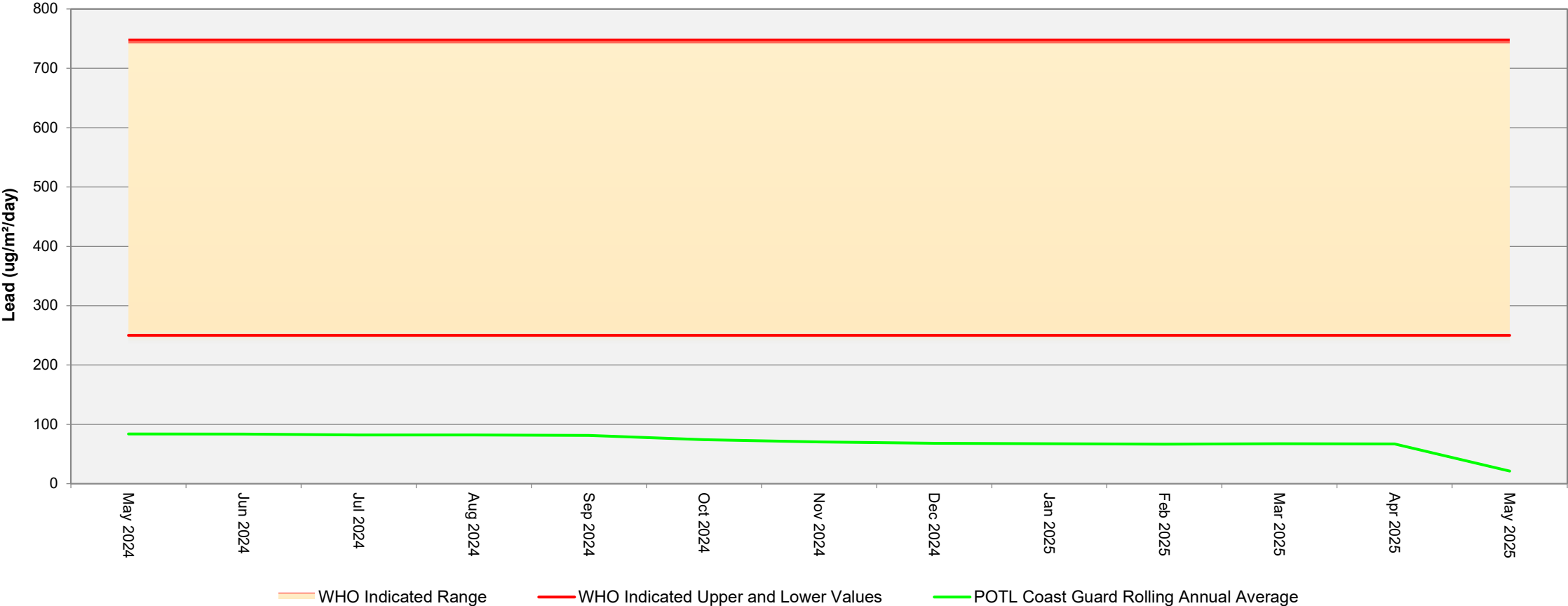
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site May 2024 – May 2025



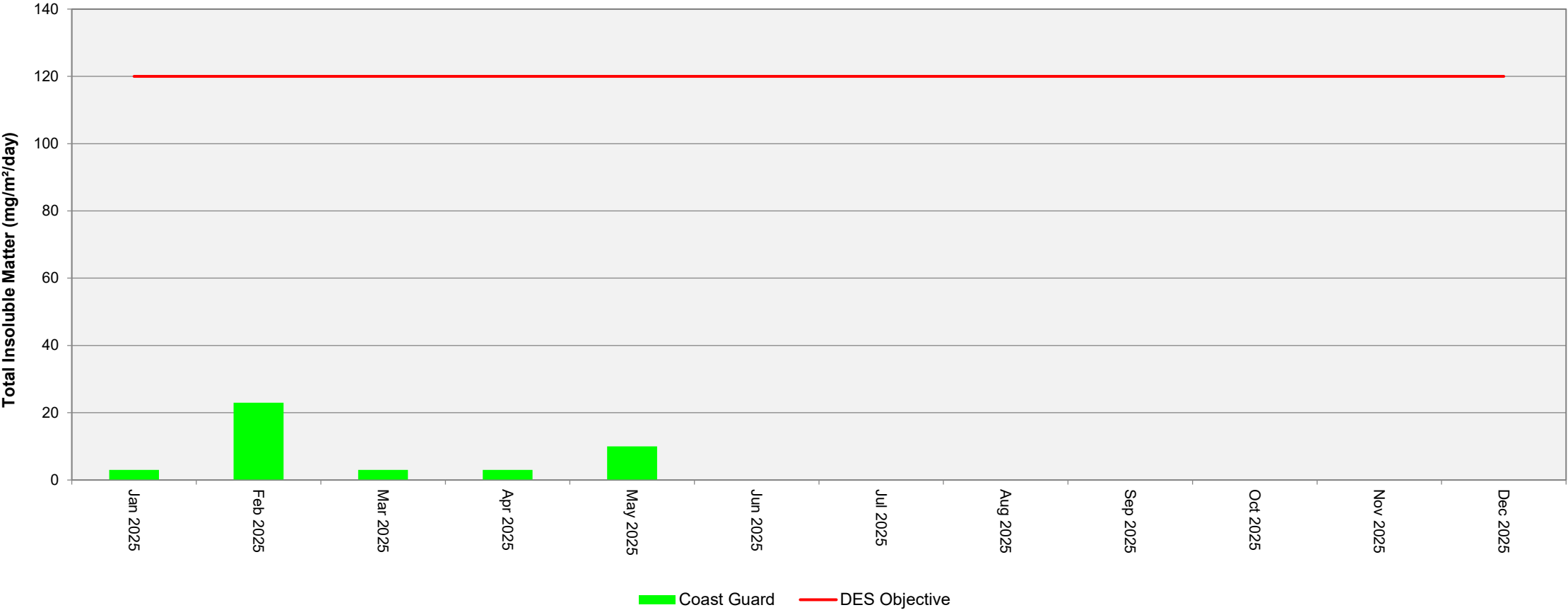
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



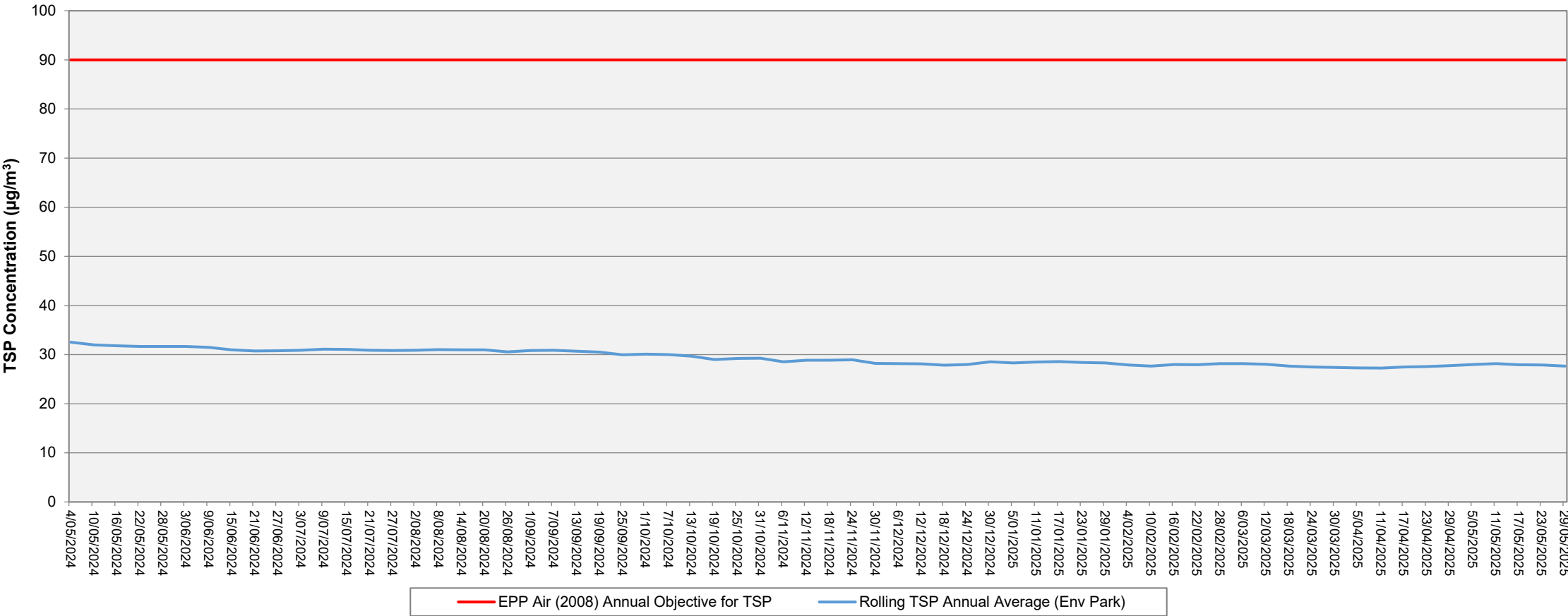
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result.

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



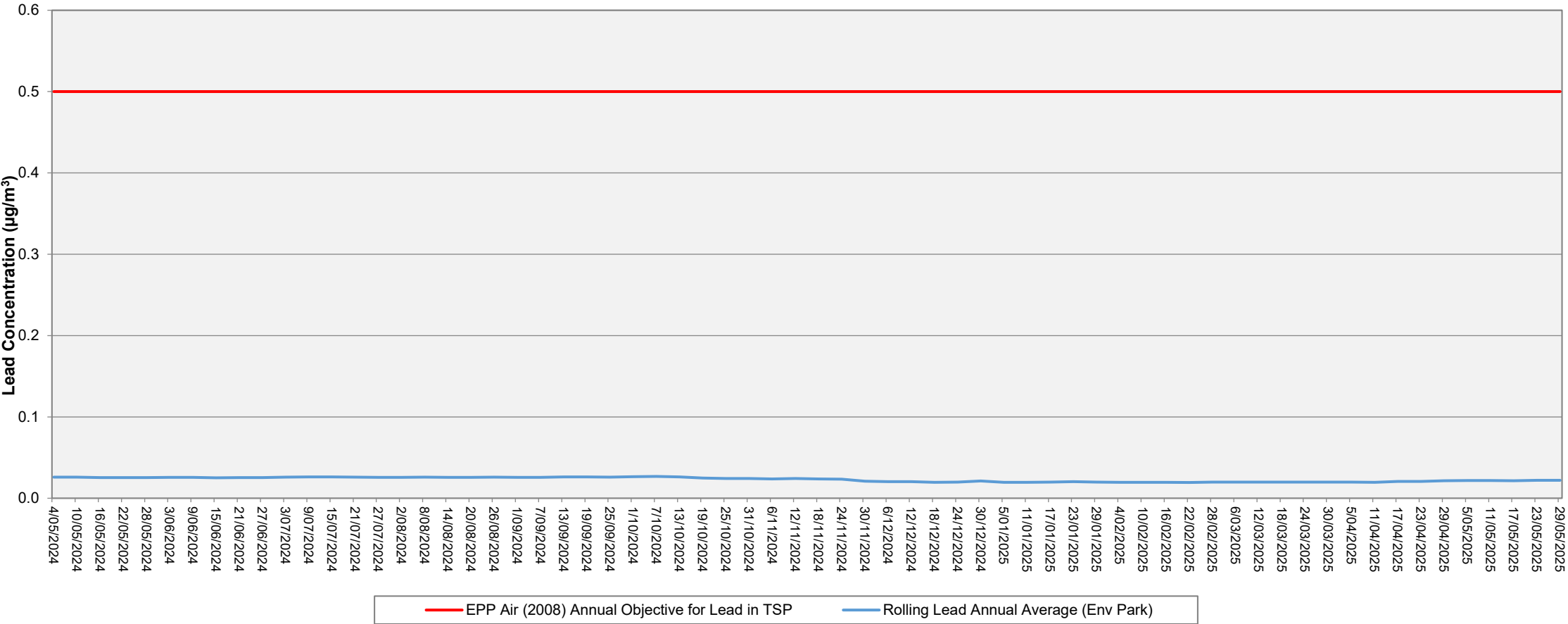
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day.

Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site
May 2024 – May 2025



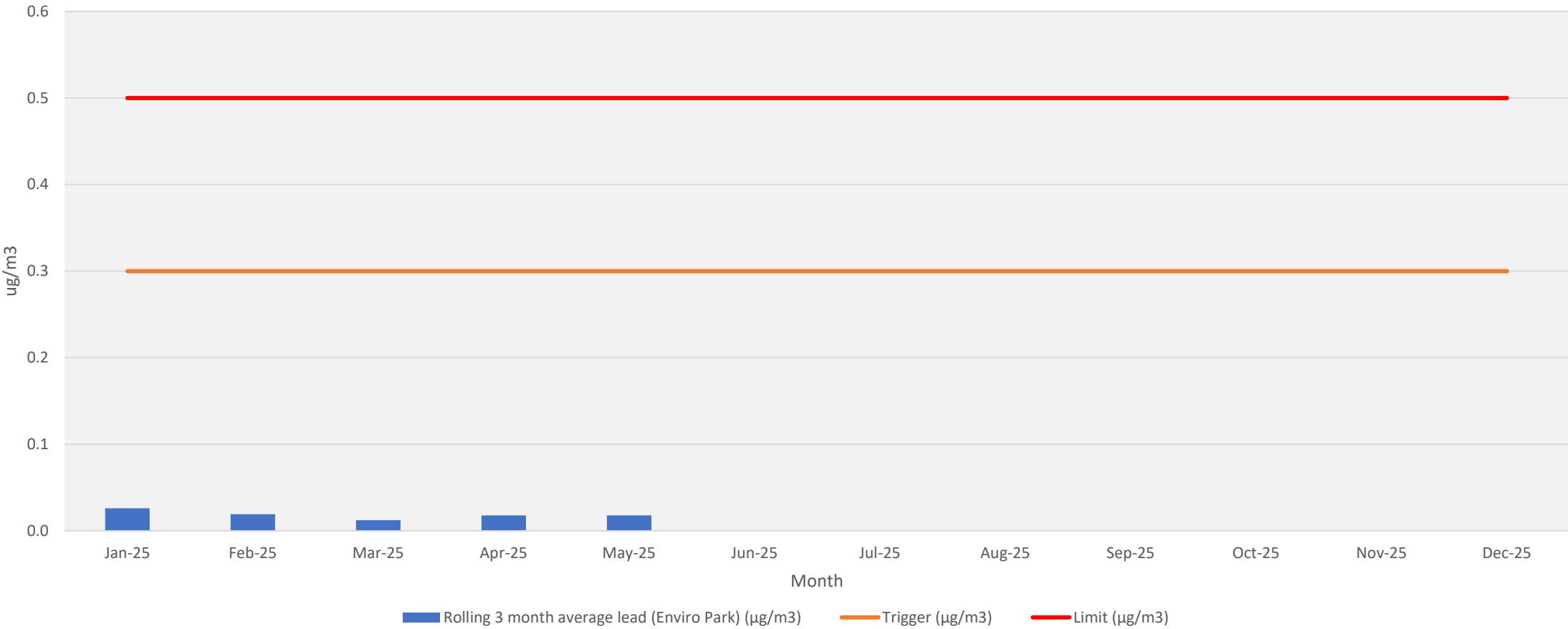
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



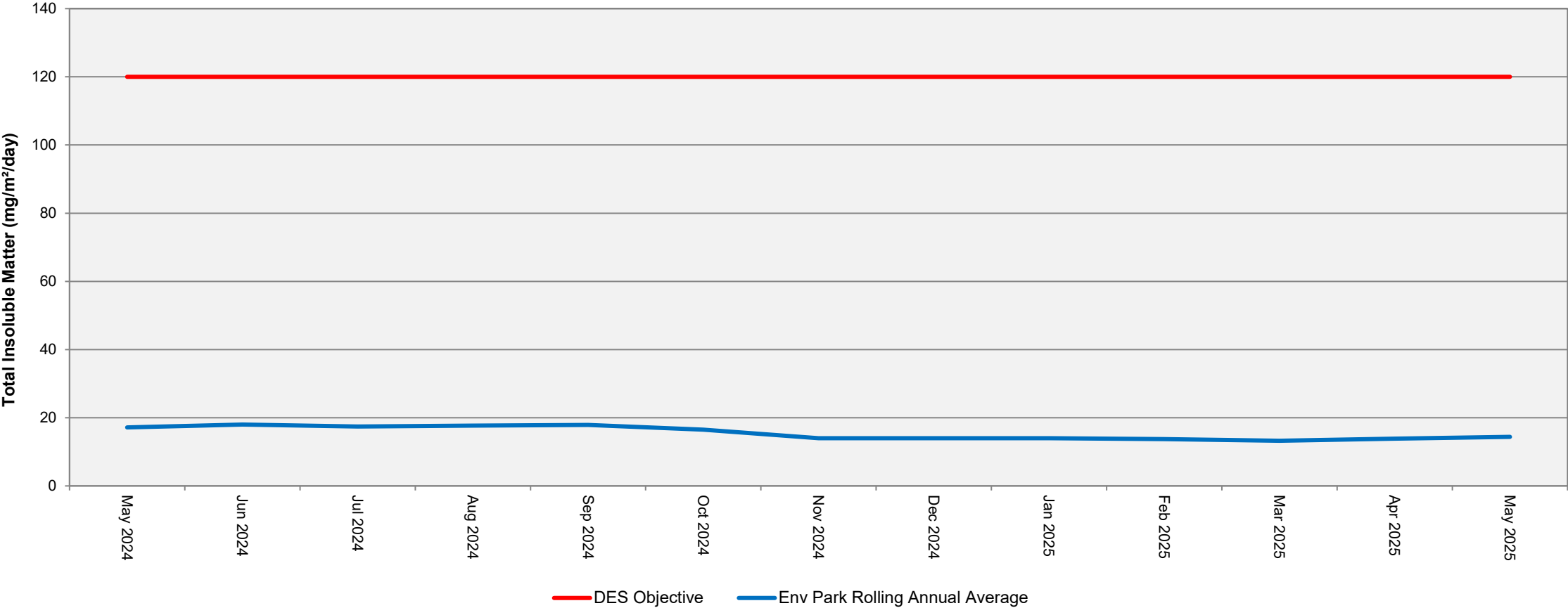
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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

Dust Deposition Gauge - General dust deposition levels (monthly) at Environment Park site
May 2024 – May 2025



Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
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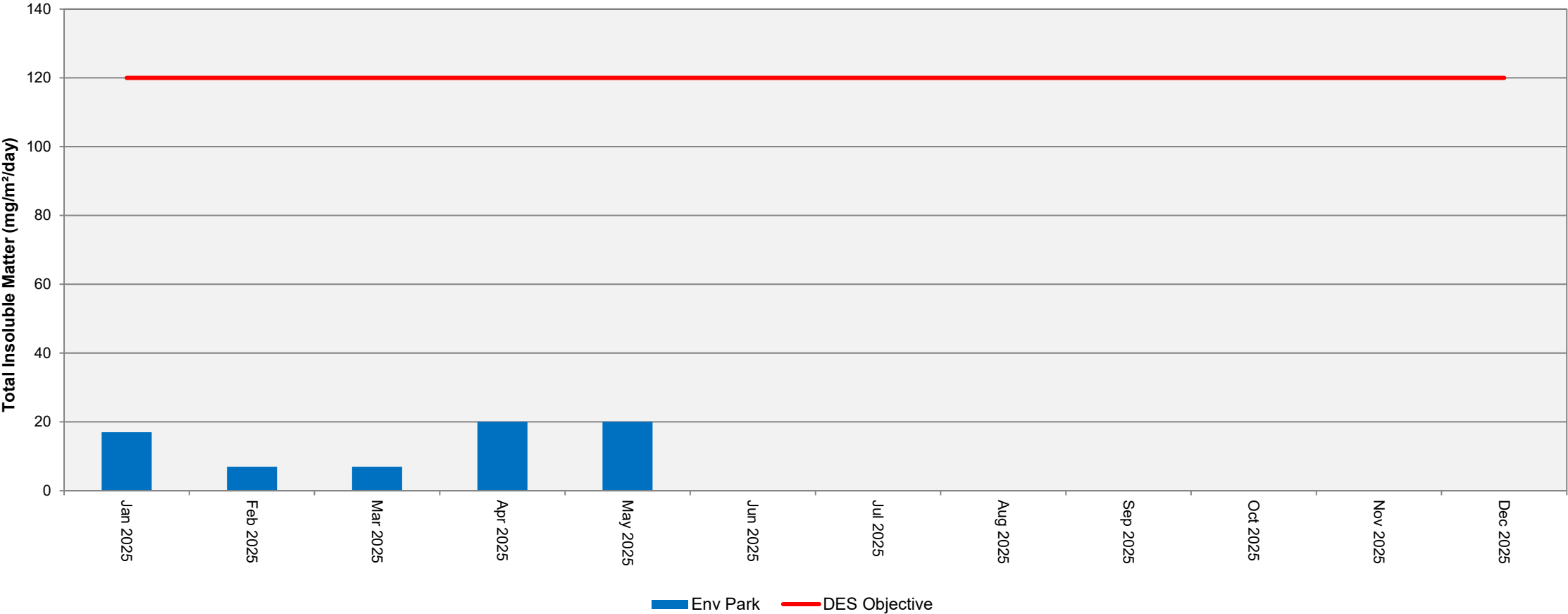
[Click here](#) for information on how to interpret this data

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site
May 2024 – May 2025



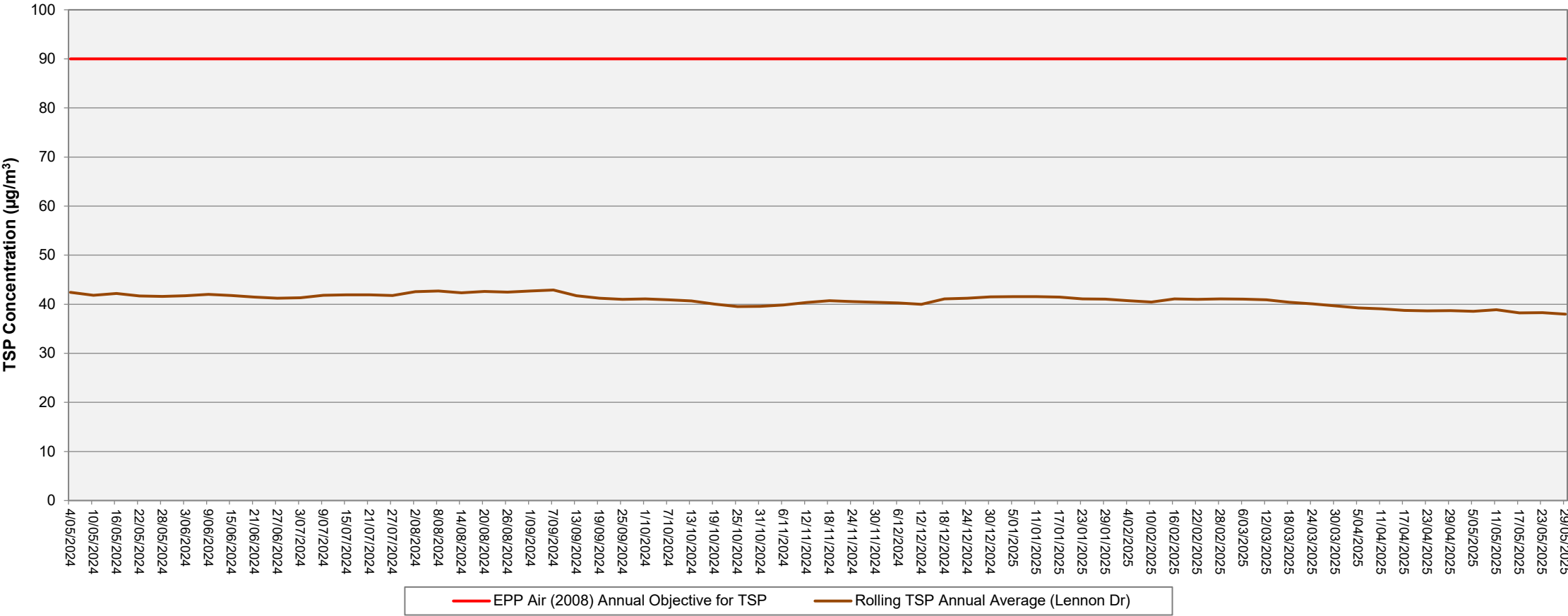
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



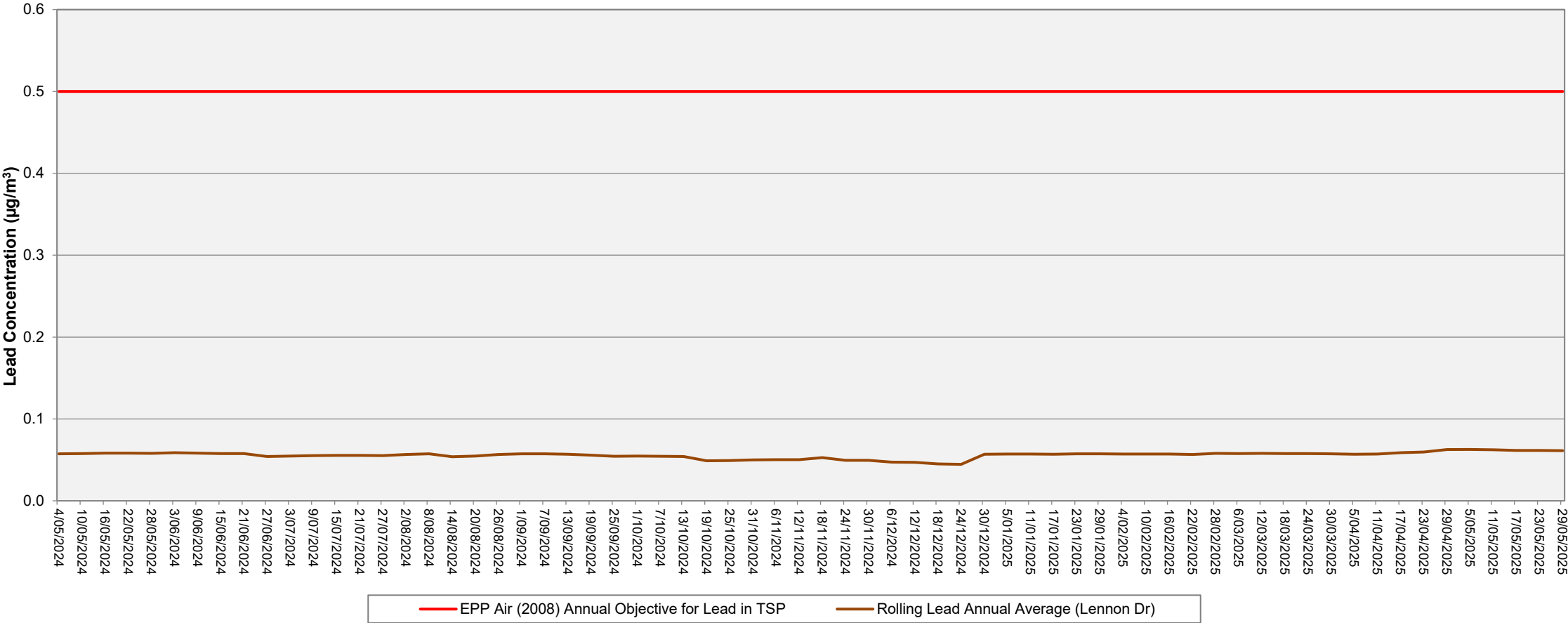
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site
May 2024 – May 2025



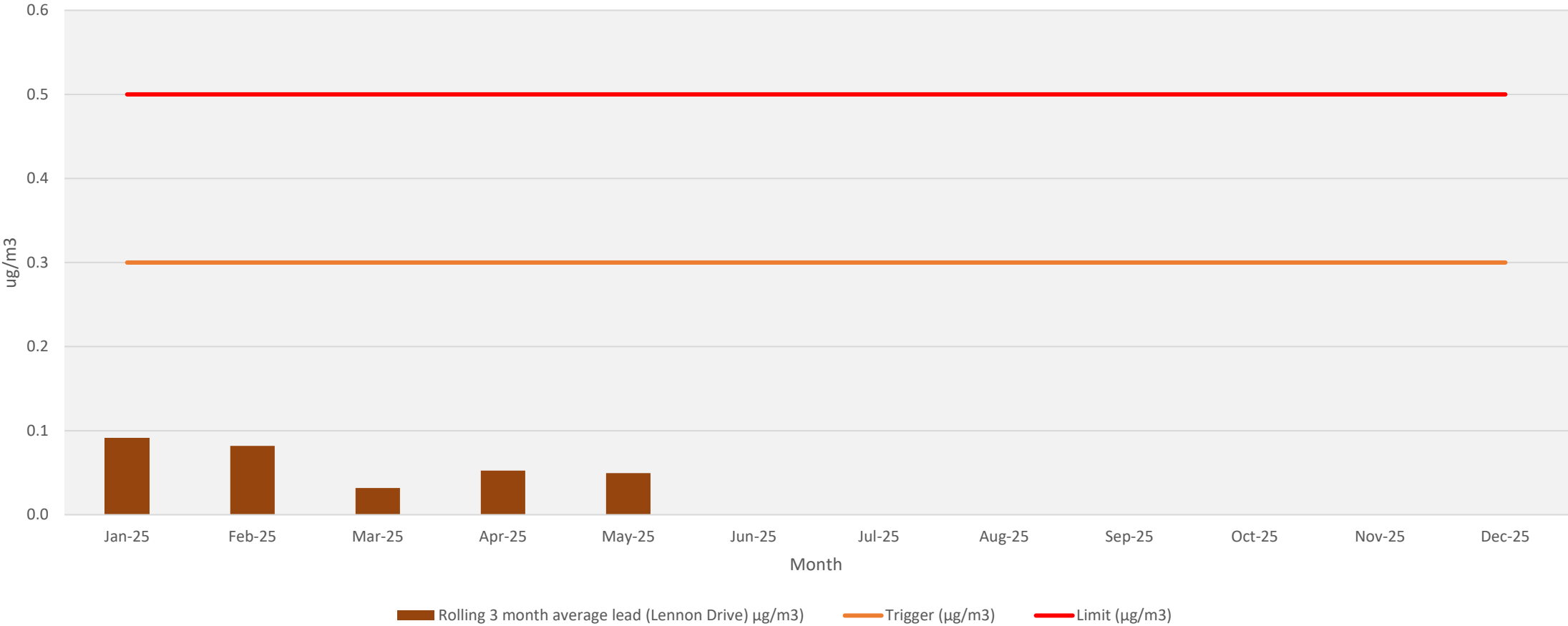
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



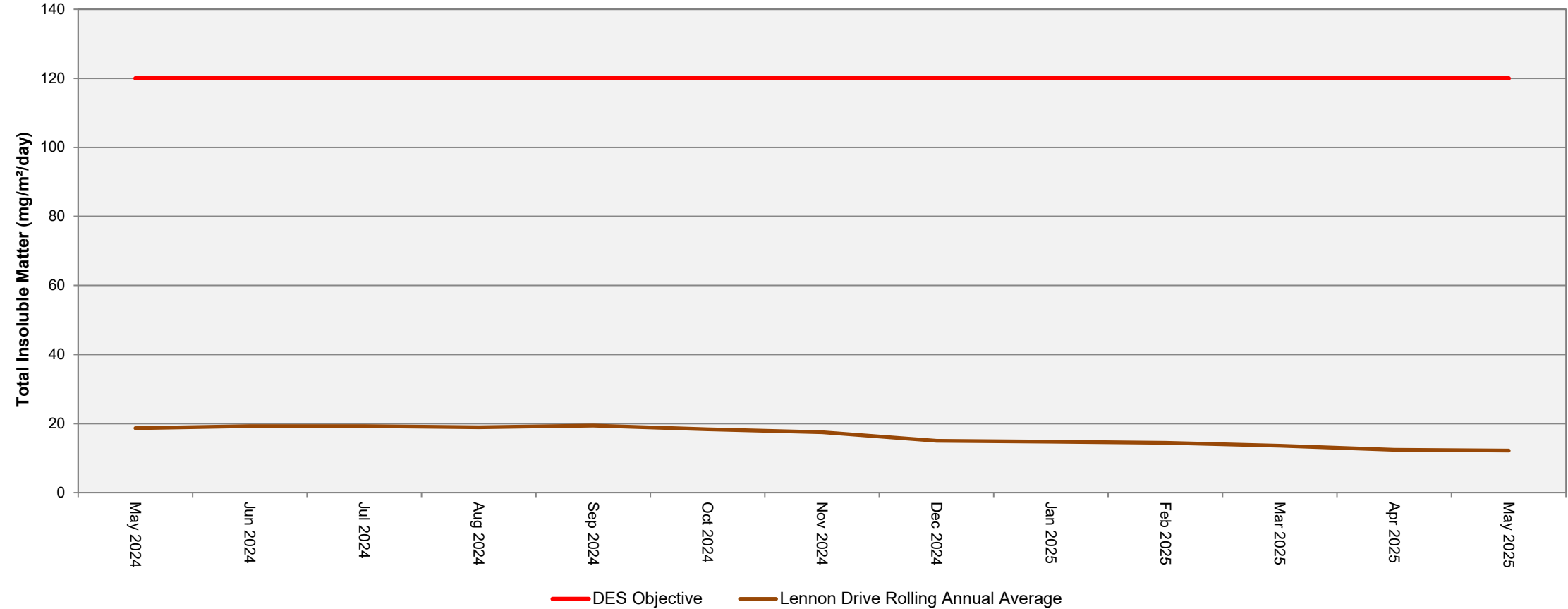
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



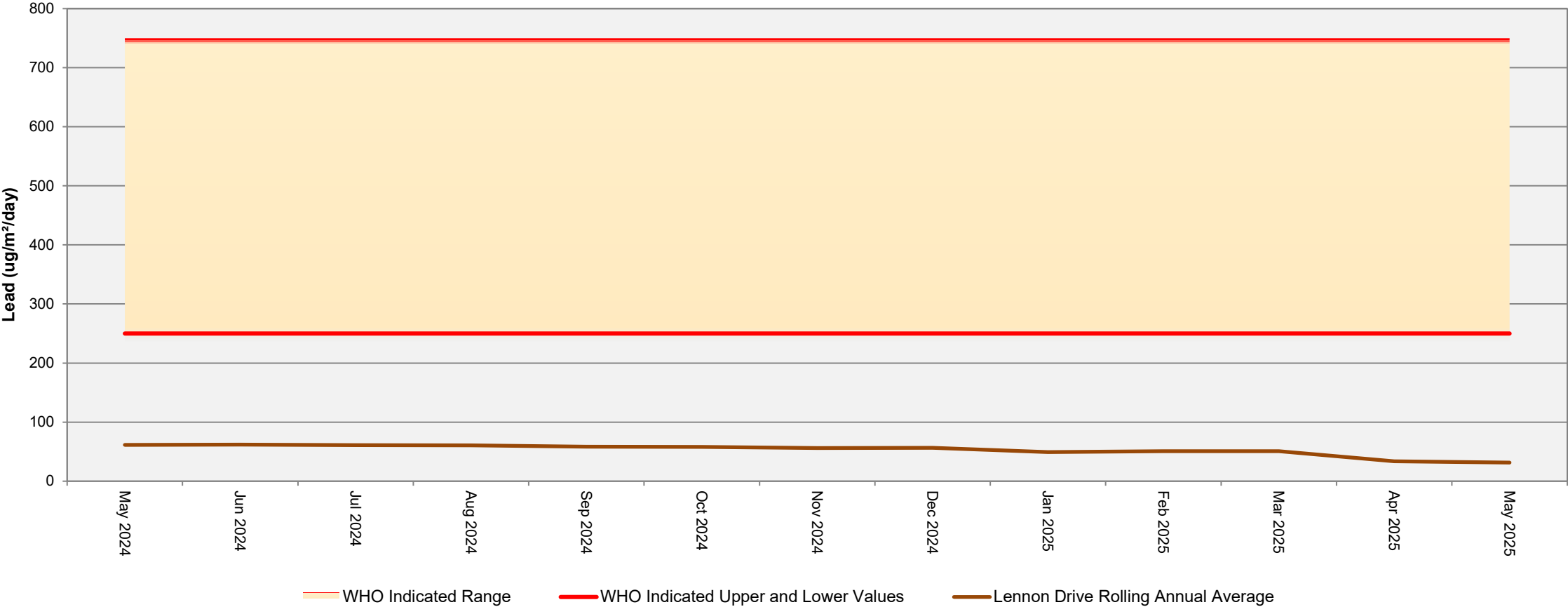
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site May 2024 – May 2025



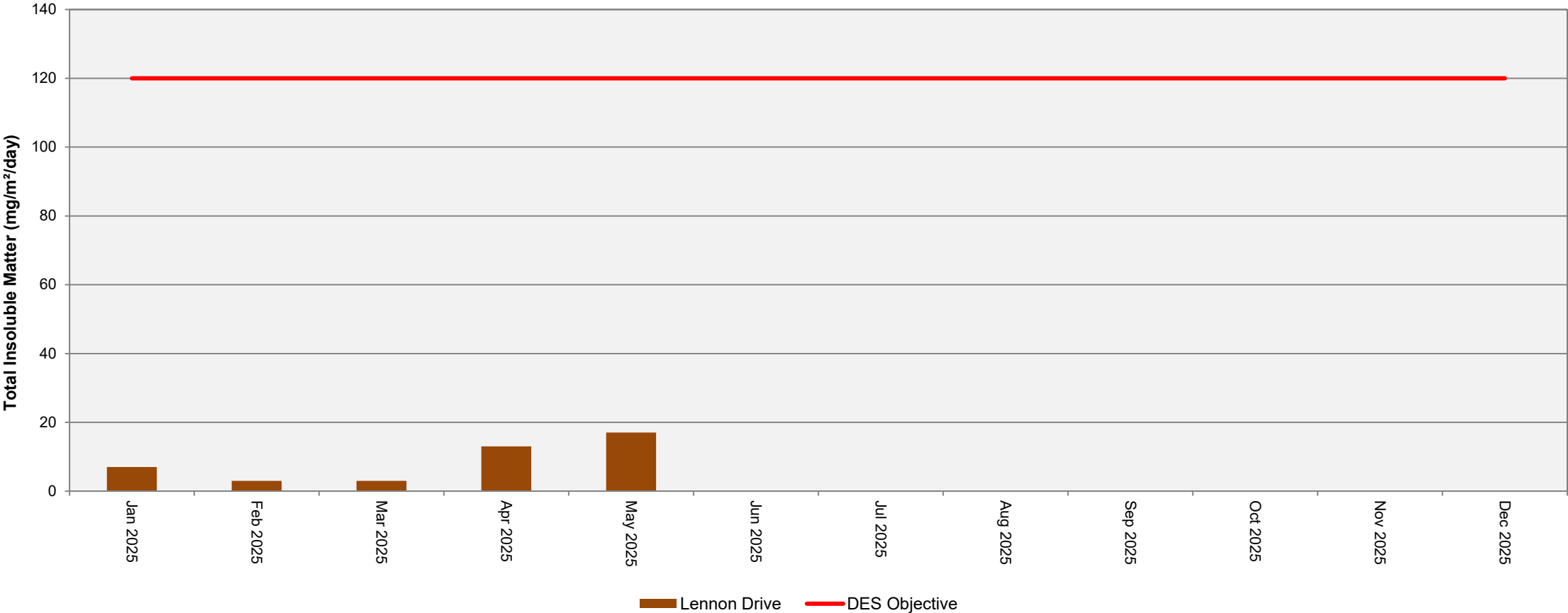
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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

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 put. The most recent NHMRC guidance document suggests that a blood lead level of less than 5 µg/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 µg/dL but since the beginning of 2016 has been reduced to 5 µg/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 µg/dL and 0.6 µg/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 µg/dL and 1.9 µg/dL, still well under the level which should trigger concern.