

Air Quality Dashboard | July | 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

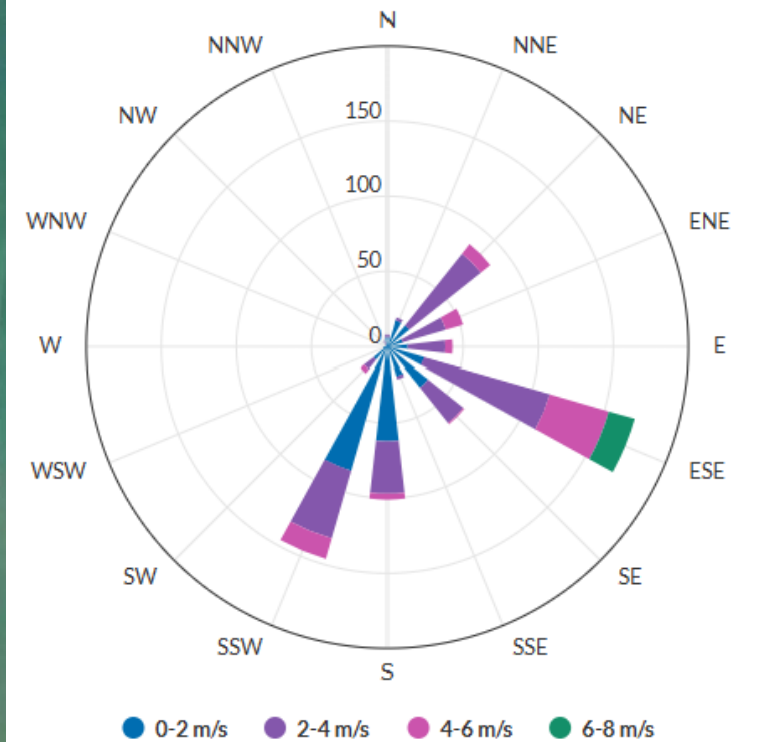
Air Quality
Monitoring Plan



Air Quality Monitoring Locations



Wind speed ranges correlating to wind direction



Shipping Movements in July 2025

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

Date In/Out	Vessel Name	Cargo	Berth
24 Jun 2025 - 02 Jul 2025	HAPPINESS BULKER	CONCENTRATES (IMPORT)	10
30 Jun 2025 - 02 Jul 2025	AFRICAN PEACOCK	SULPHUR (IMPORT)	8
30 Jun 2025 - 01 Jul 2025	CL XUNYANG	FUELS (IMPORT)	1
02 Jul 2025 - 03 Jul 2025	KOTA GABUNG	CONTAINERS (IMPORT)	4
02 Jul 2025 - 04 Jul 2025	PAVO BRAVE	SUGAR (EXPORT)	9
02 Jul 2025 - 03 Jul 2025	ADF	MOTOR VEHICLES (IMPORT)	10
03 Jul 2025 - 03 Jul 2025	REGATTA		10
03 Jul 2025 - 03 Jul 2025	GLOBAL HIGHWAY		3 NTH
03 Jul 2025 - 04 Jul 2025	PENG HU WAN	BITUMEN (IMPORT)	4
04 Jul 2025 - 05 Jul 2025	GRAND WINNER 2	FUELS (IMPORT)	1
04 Jul 2025 - 11 Jul 2025	OCEAN BRIGHT	ZINC INGOTS (EXPORT)	4
04 Jul 2025 - 06 Jul 2025	KYOWA ROSE	TYRES (IMPORT) COPPER ANODE (EXPORT)	3 NTH
07 Jul 2025 - 08 Jul 2025	JAWAN	CATTLE (EXPORT)	3 STH
07 Jul 2025 - 08 Jul 2025	KEN SEI	SUGAR (EXPORT)	9
08 Jul 2025 - 09 Jul 2025	JUTHA MALEE	CONTAINERS (IMPORT) GENERAL CARGO (EXPORT)	3 NTH
09 Jul 2025 - 12 Jul 2025	FLORA DELMAS	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
11 Jul 2025 - 12 Jul 2025	UNITY HARMONY	FERTILIZER (EXPORT)	8
11 Jul 2025 - 14 Jul 2025	ADF		10
11 Jul 2025 - 12 Jul 2025	THERESA MICRONESIA	MOLASSES (EXPORT)	9
11 Jul 2025 - 14 Jul 2025	LUGA	CEMENT (IMPORT)	4
12 Jul 2025 - 15 Jul 2025	KIATING	COPPER REFINED (EXPORT)	3 STH
13 Jul 2025 - 14 Jul 2025	AC KATHRYN	CONCENTRATES (EXPORT)	8
13 Jul 2025 - 14 Jul 2025	ADF		9
13 Jul 2025 - 14 Jul 2025	ADF		3 NTH
14 Jul 2025 - 16 Jul 2025	RUDDY	ZINC CONCENTRATES (EXPORT)	8
14 Jul 2025 - 15 Jul 2025	ANL DHAMBI	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
14 Jul 2025 - 14 Jul 2025	ADF		9
14 Jul 2025 - 15 Jul 2025	GANADO EXPRESS	CATTLE (EXPORT)	10
15 Jul 2025 - 16 Jul 2025	STOLT HAGI	TALLOW (EXPORT)	9
15 Jul 2025 - 16 Jul 2025	AMBER ARROW	MOTOR VEHICLES (IMPORT)	3 NTH
15 Jul 2025 - 16 Jul 2025	KIATING	COPPER REFINED (EXPORT)	3 STH
15 Jul 2025 - 19 Jul 2025	ADF	ARMY EQUIPMENT (IMPORT) ARMY EQUIPMENT (EXPORT)	10
15 Jul 2025 - 16 Jul 2025	LAUTOKA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
24 Jun 2025 - 02 Jul 2025	HAPPINESS BULKER	CONCENTRATES (IMPORT)	10
30 Jun 2025 - 02 Jul 2025	AFRICAN PEACOCK	SULPHUR (IMPORT)	8

Date In/Out	Vessel Name	Cargo	Berth
16 Jul 2025 - 17 Jul 2025	MARATHO	FUELS (IMPORT)	1
16 Jul 2025 - 17 Jul 2025	APPALOOSA	CONCENTRATES (EXPORT)	11
16 Jul 2025 - 17 Jul 2025	FREJA BULKER	CONCENTRATES (EXPORT)	3 STH
17 Jul 2025 - 17 Jul 2025	BRISBANE		9
17 Jul 2025 - 19 Jul 2025	ADF		4
17 Jul 2025 - 19 Jul 2025	FREJA BULKER	CONCENTRATES (EXPORT)	8
18 Jul 2025 - 20 Jul 2025	NEW SENA	MOLASSES (EXPORT)	9
19 Jul 2025 - 19 Jul 2025	RHEA LEADER	MOTOR VEHICLES (IMPORT)	3 NTH
19 Jul 2025 - 20 Jul 2025	GOLDEN SAGITTARIUS	FUELS (IMPORT)	1
19 Jul 2025 - 22 Jul 2025	JNS HARMONY	CONCENTRATES (EXPORT)	10
20 Jul 2025 - 22 Jul 2025	FRIENDLY ISLANDS	FERTILIZER (EXPORT)	8
20 Jul 2025 - 25 Jul 2025	AFRICAN PELICAN	SULPHUR (IMPORT)	4
20 Jul 2025 - 21 Jul 2025	PAGNA	MOTOR VEHICLES (IMPORT)	3 NTH
22 Jul 2025 - 22 Jul 2025	OCEAN LEE		3 STH
22 Jul 2025 - 23 Jul 2025	JNS HARMONY	CONCENTRATES (EXPORT)	3 NTH
22 Jul 2025 - 24 Jul 2025	ADF		10
23 Jul 2025 - 26 Jul 2025	HAFNIA YARRA	FUELS (IMPORT)	1
23 Jul 2025 - 27 Jul 2025	ADF		9
23 Jul 2025 - 26 Jul 2025	MBS TAISHI	FERTILIZER (EXPORT)	8
25 Jul 2025 - 28 Jul 2025	TUNSIN	ZINC INGOTS (EXPORT)	3 NTH
25 Jul 2025 - 29 Jul 2025	NORD NEWPORT	FERTILIZER (IMPORT)	4
26 Jul 2025 - 29 Jul 2025	NORD BREMEN	UREA (IMPORT)	8
26 Jul 2025 - 27 Jul 2025	GOLDEN RESOLUTION	FUELS (IMPORT)	1
27 Jul 2025 - 27 Jul 2025	LUCKY FEB	FUELS (IMPORT)	1
27 Jul 2025 - 30 Jul 2025	ADF		10
28 Jul 2025 - 28 Jul 2025	SEA WOLF	FUELS (IMPORT)	1
28 Jul 2025 - 31 Jul 2025	NORD LING	COPPER ANODE (EXPORT)	3 NTH
29 Jul 2025 - 30 Jul 2025	THERESA MICRONESIA	MOLASSES (EXPORT)	9
30 Jul 2025 - 30 Jul 2025	HERMES LEADER	MOTOR VEHICLES (IMPORT)	4
30 Jul 2025 - 31 Jul 2025	KYOWA ORCHID	TYRES (IMPORT) CONTAINERS (EXPORT)	3 STH
31 Jul 2025 - 31 Jul 2025	ORCA ACE	MOTOR VEHICLES (IMPORT)	3 NTH
31 Jul 2025 - 31 Jul 2025	ADF		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.

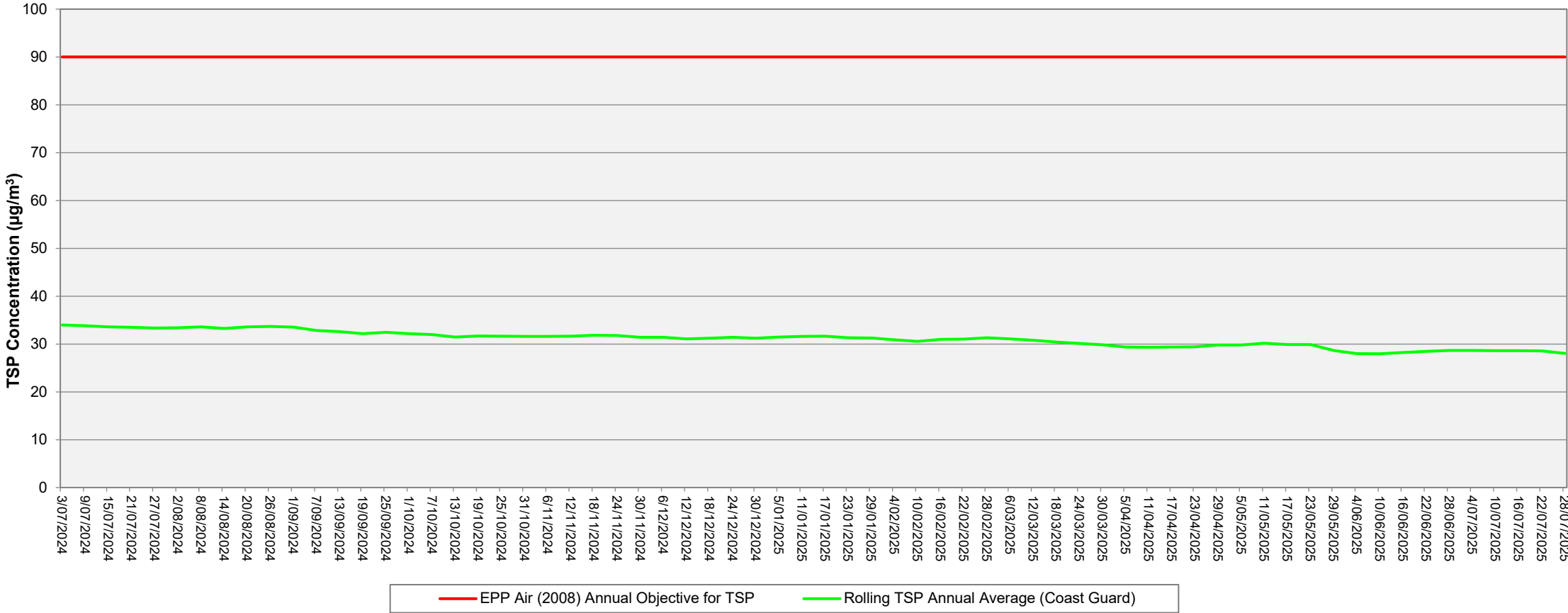
OR

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

Ask a Question / Provide Feedback

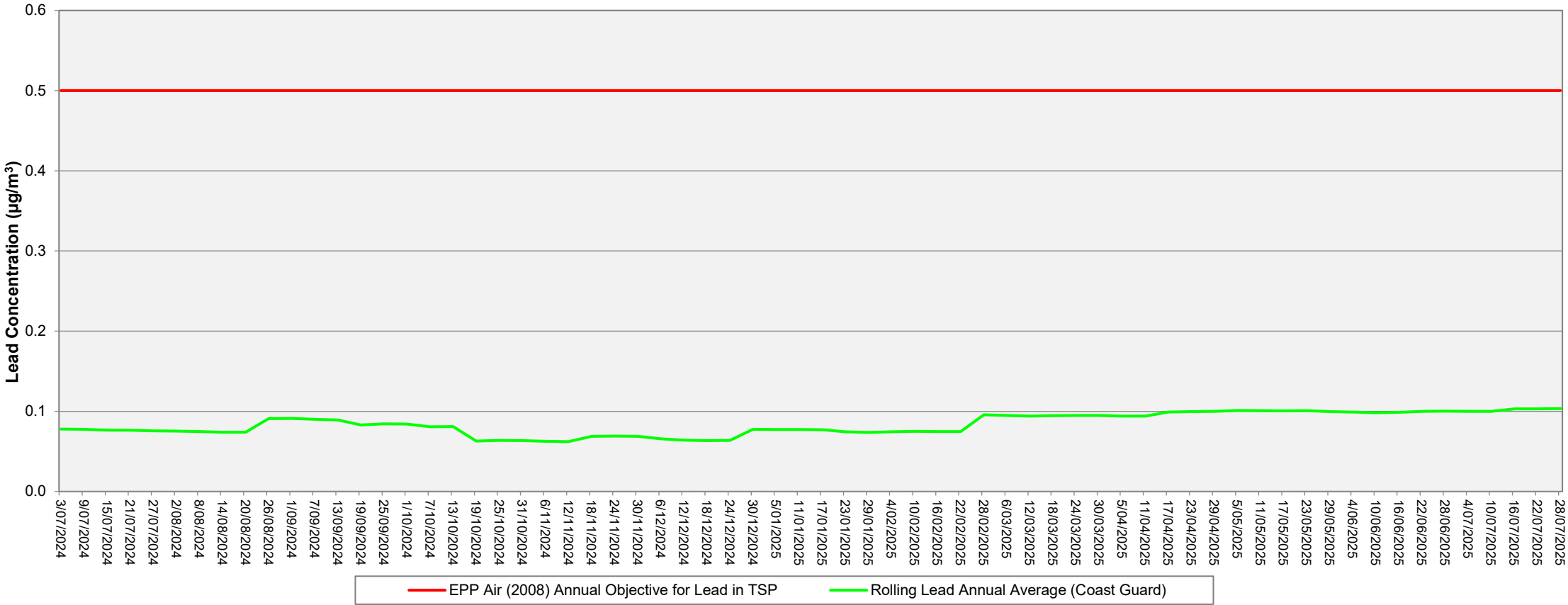
Send your enquiry or feedback to community@townsvilleport.com.au

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



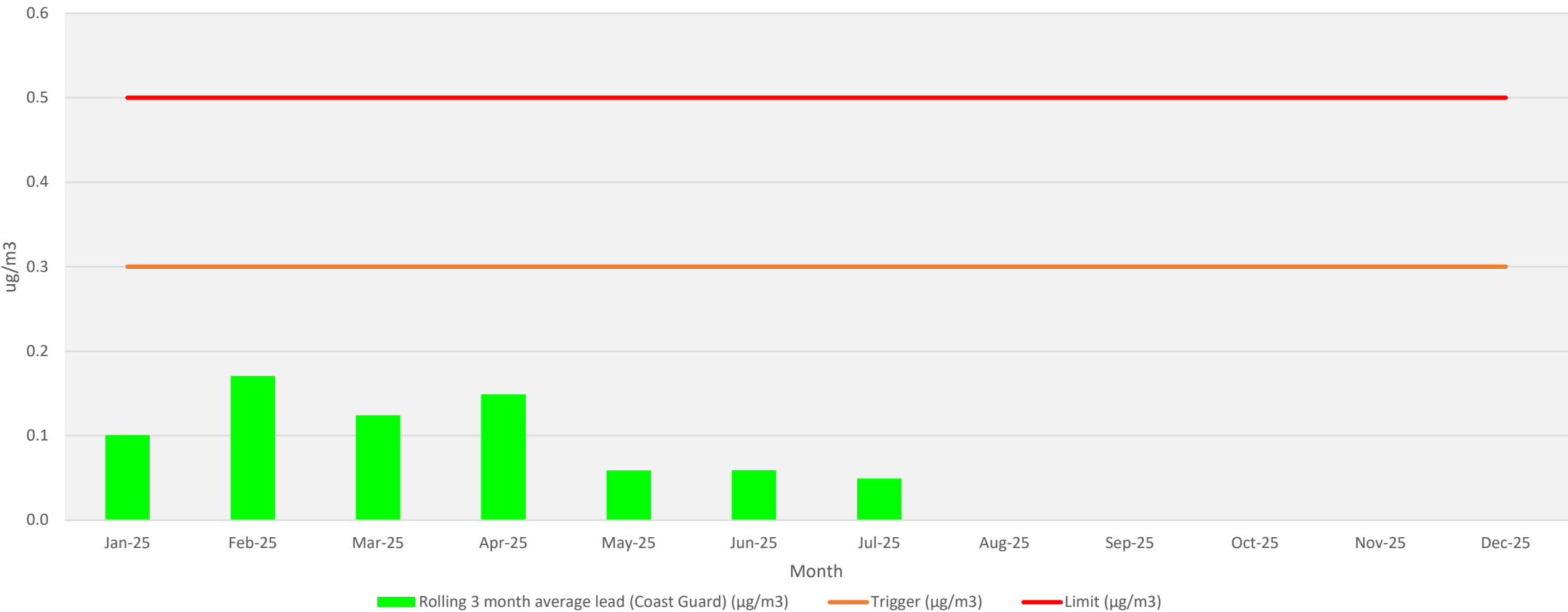
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



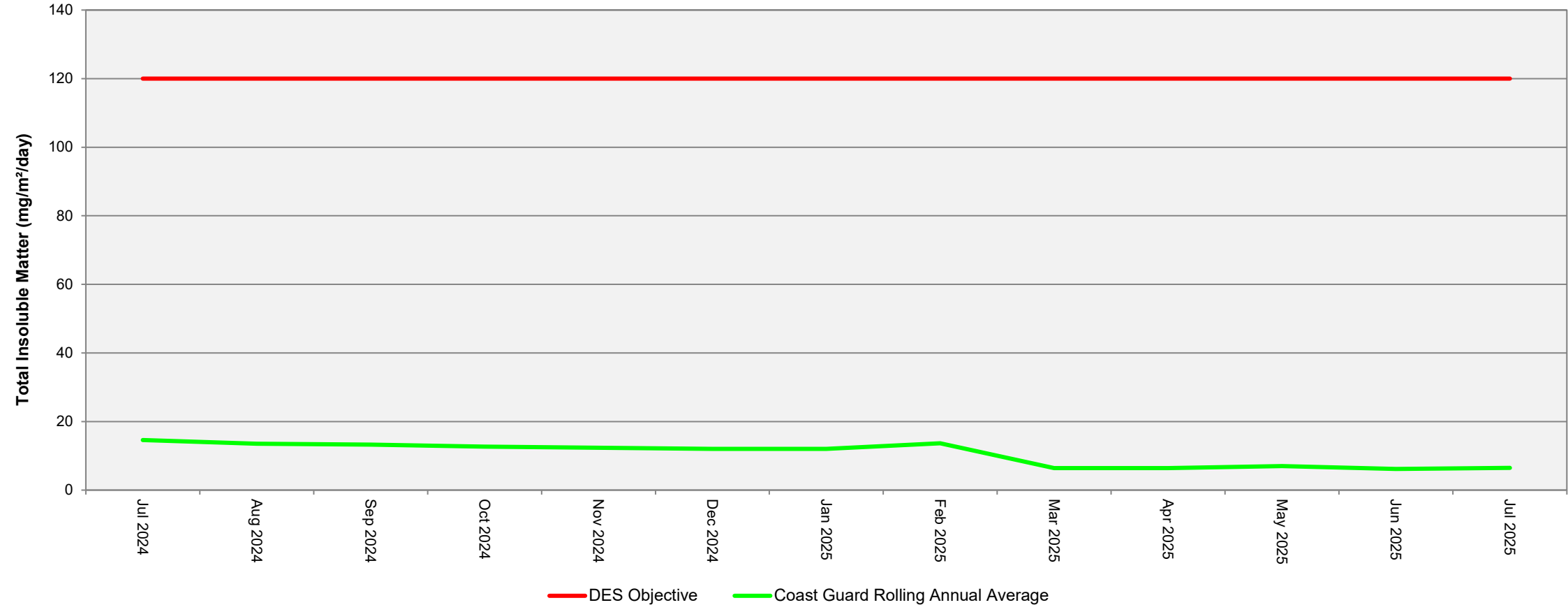
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



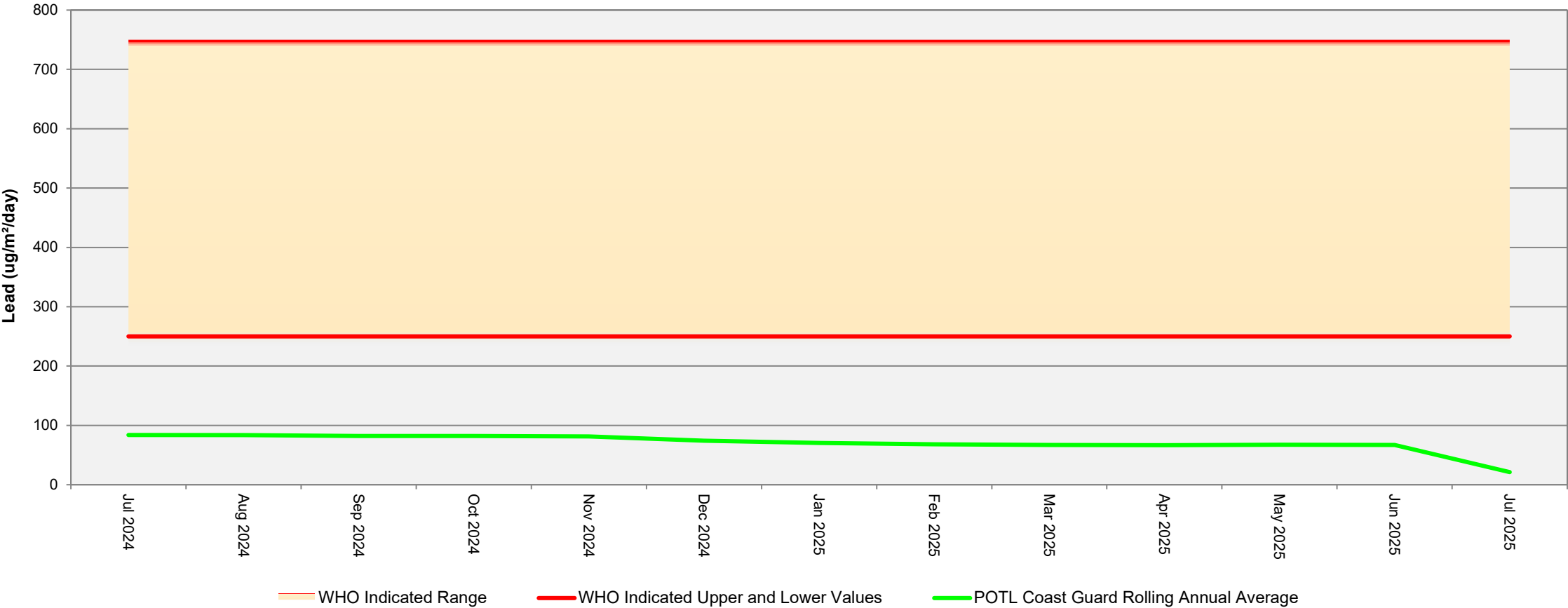
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

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



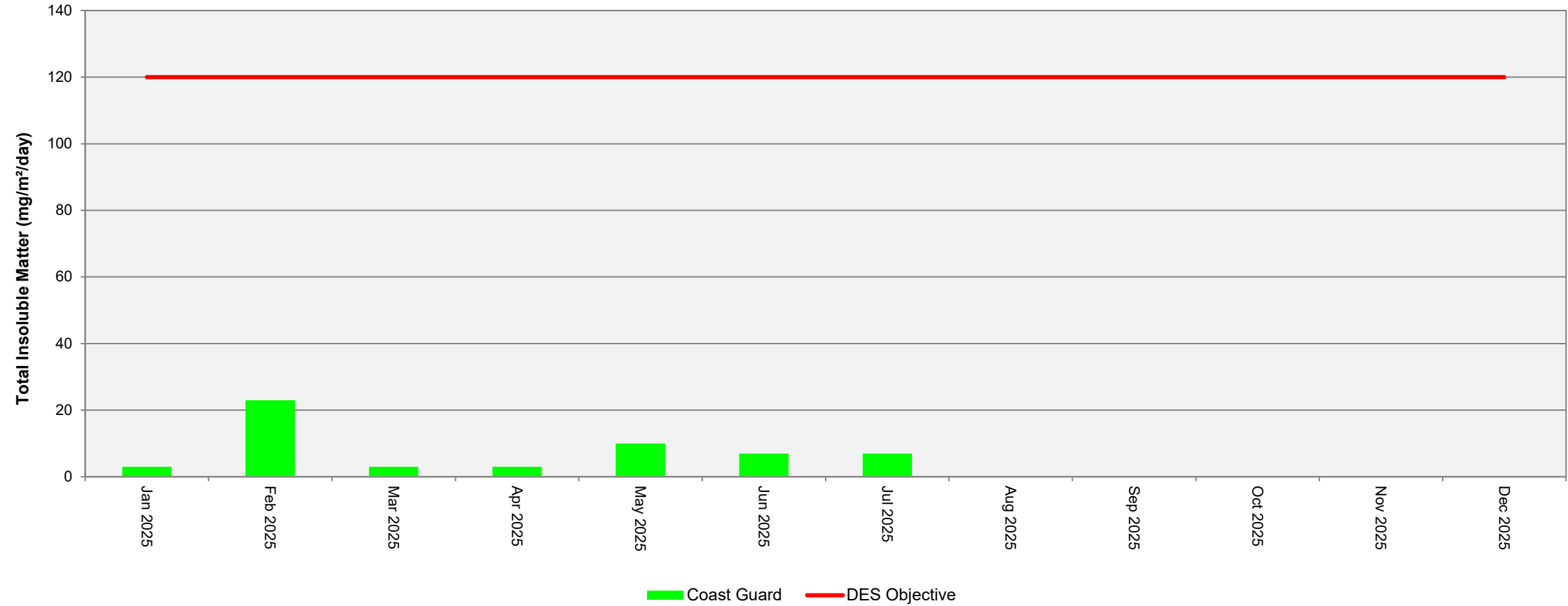
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



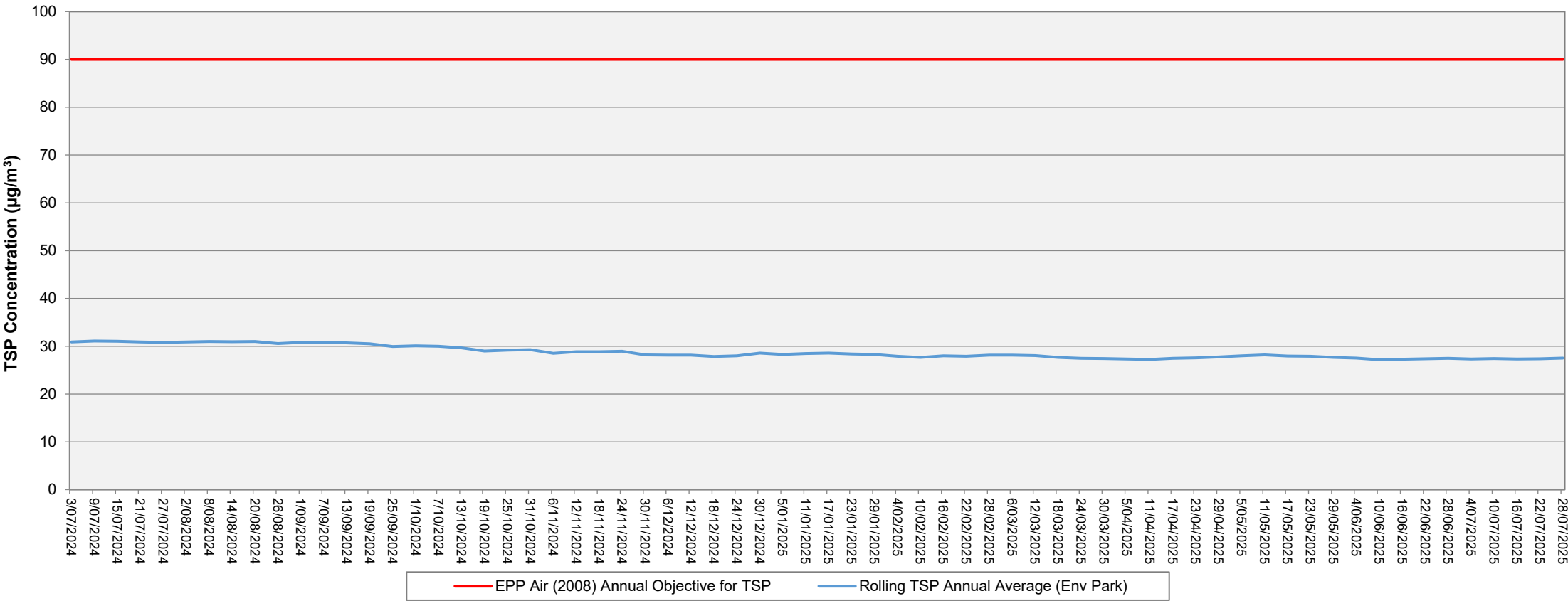
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result.

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



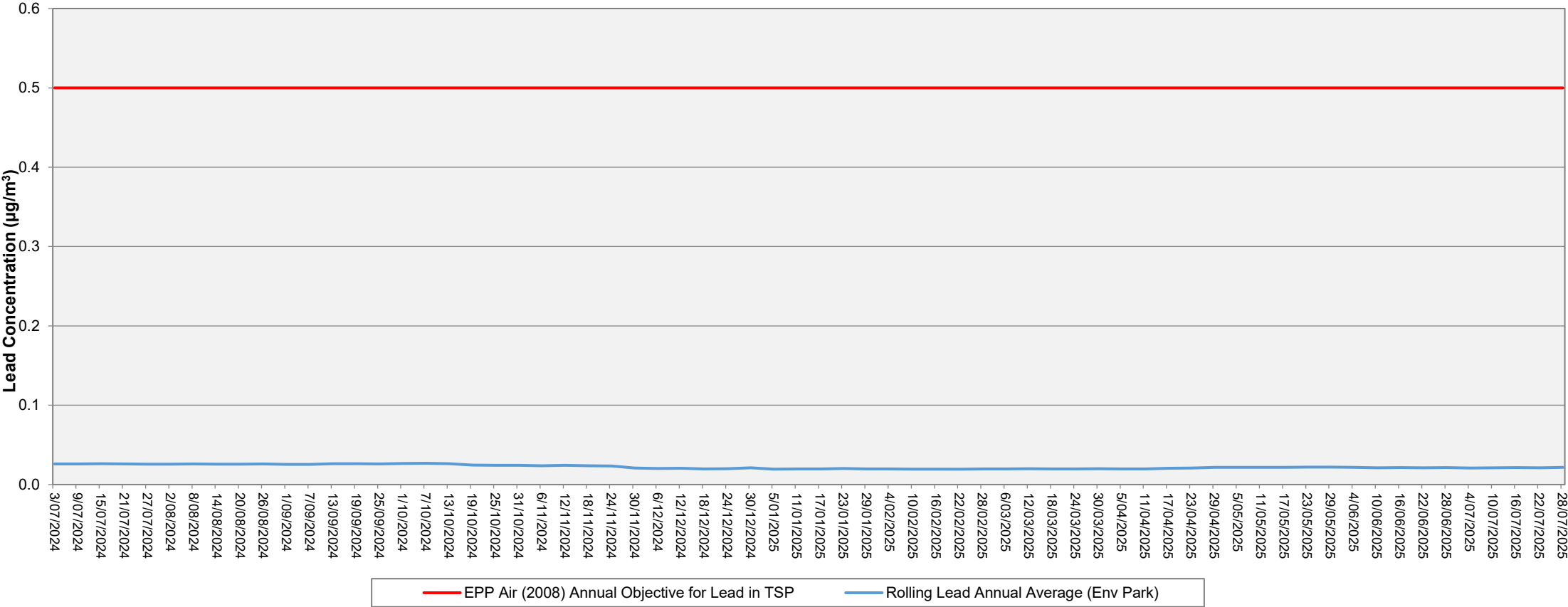
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day.

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



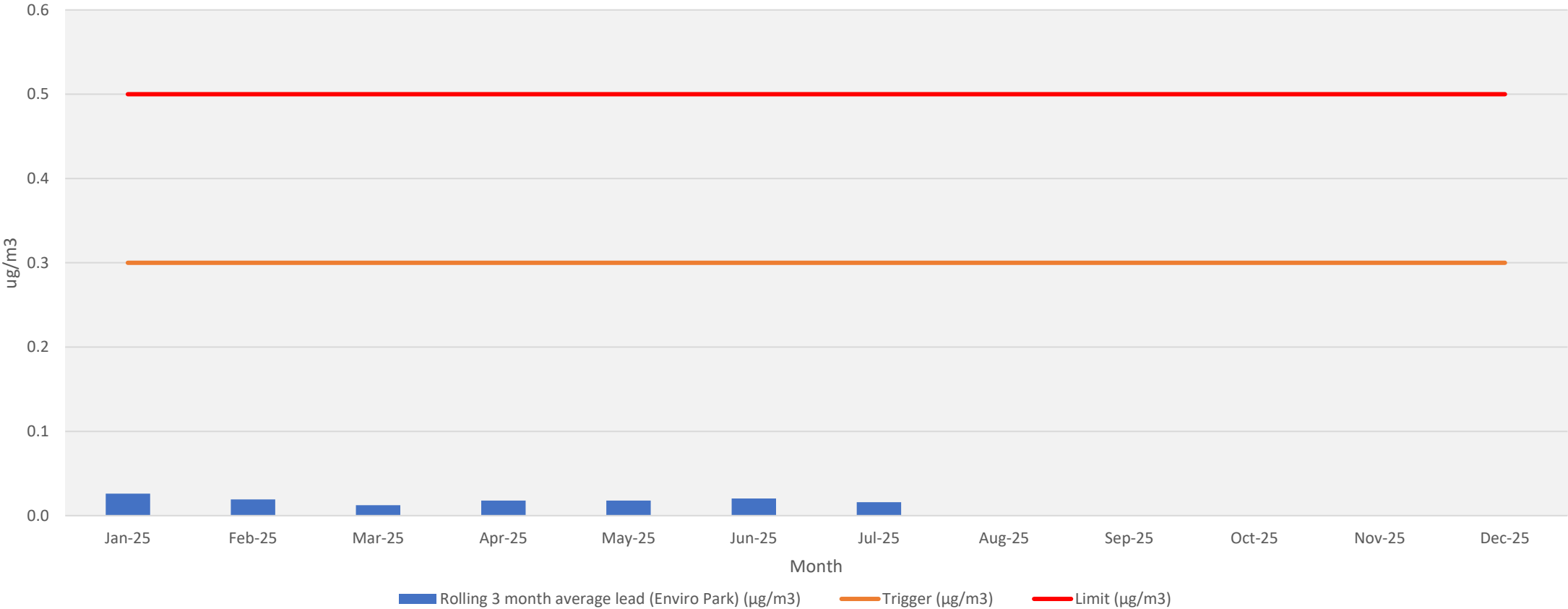
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



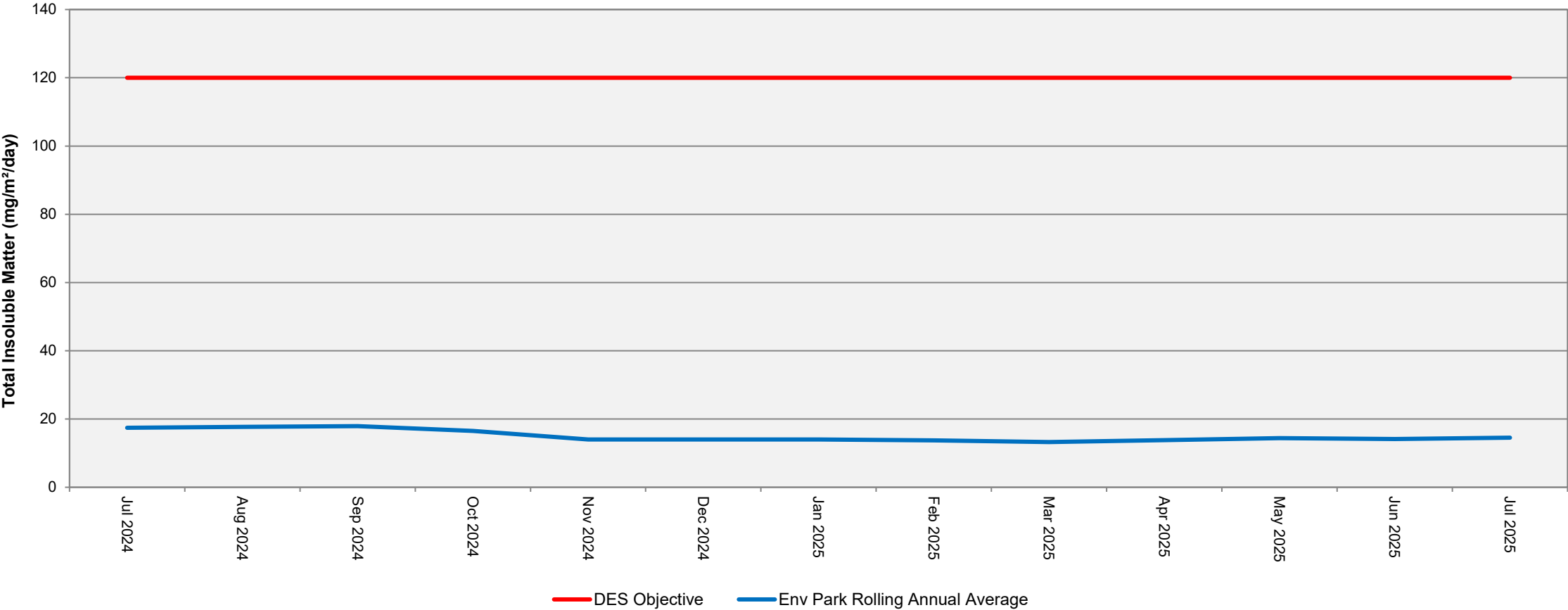
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



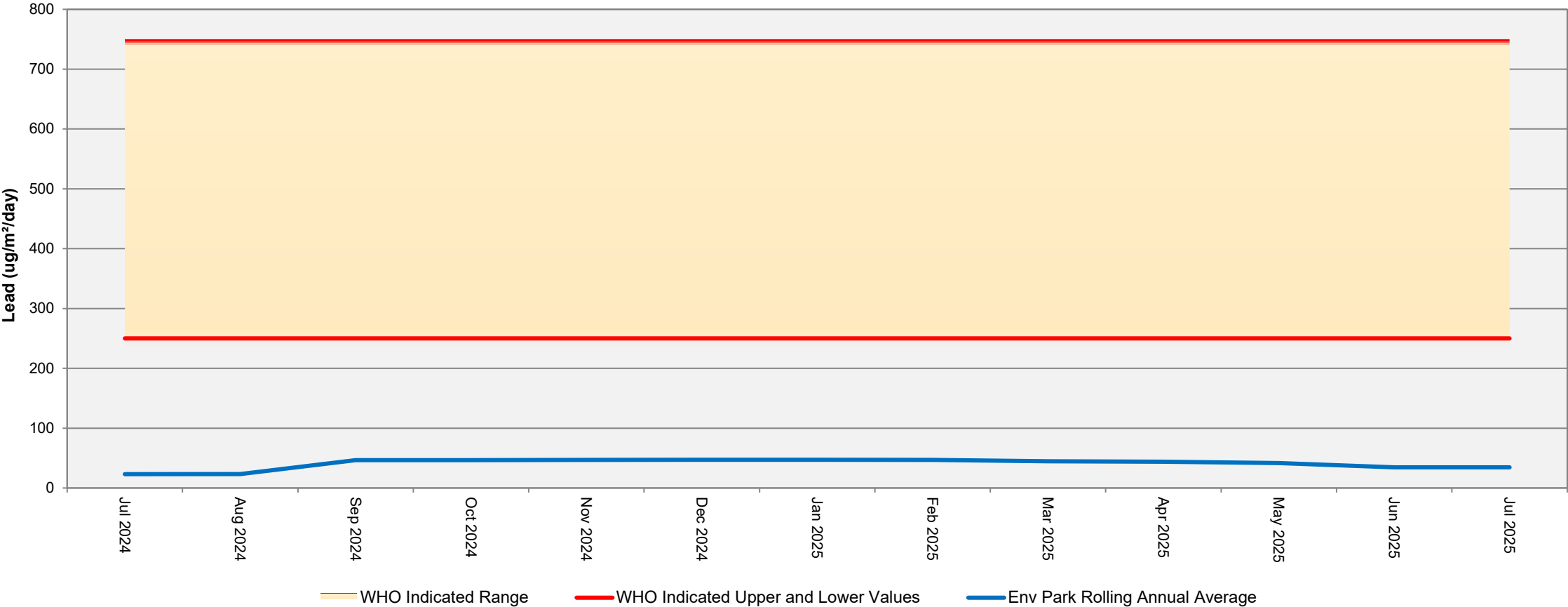
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

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



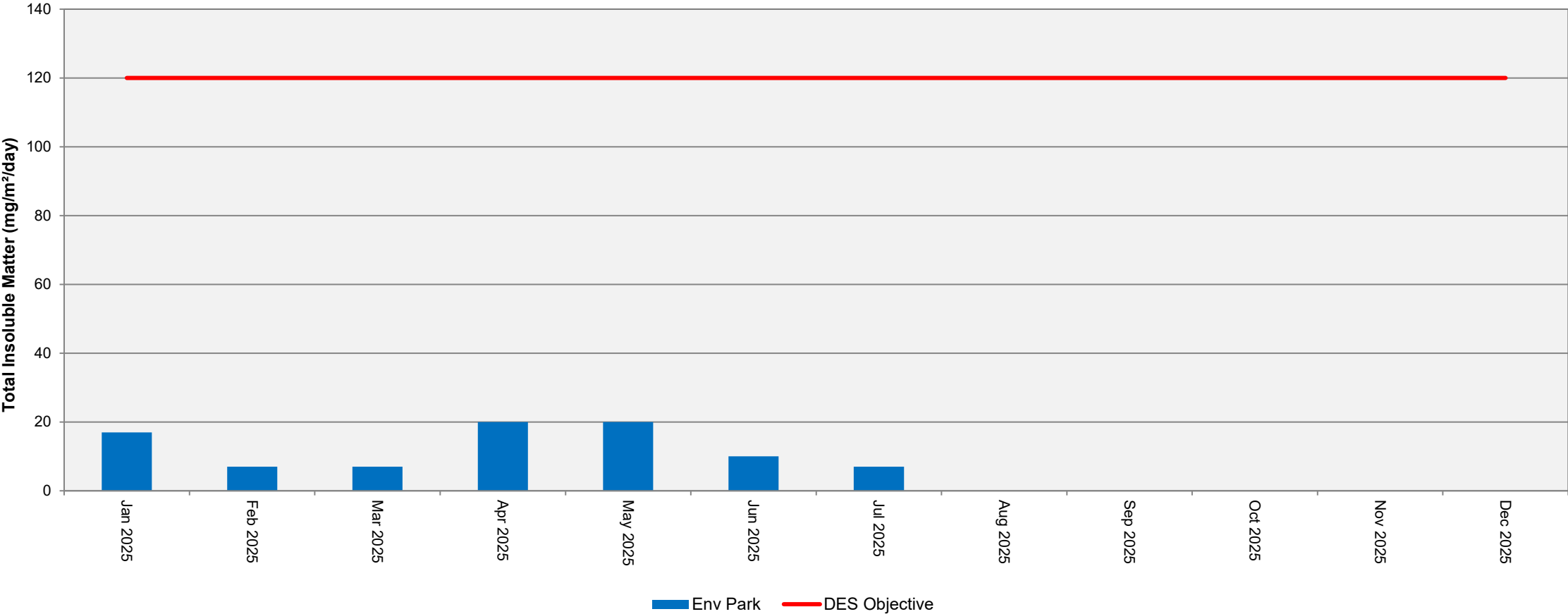
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



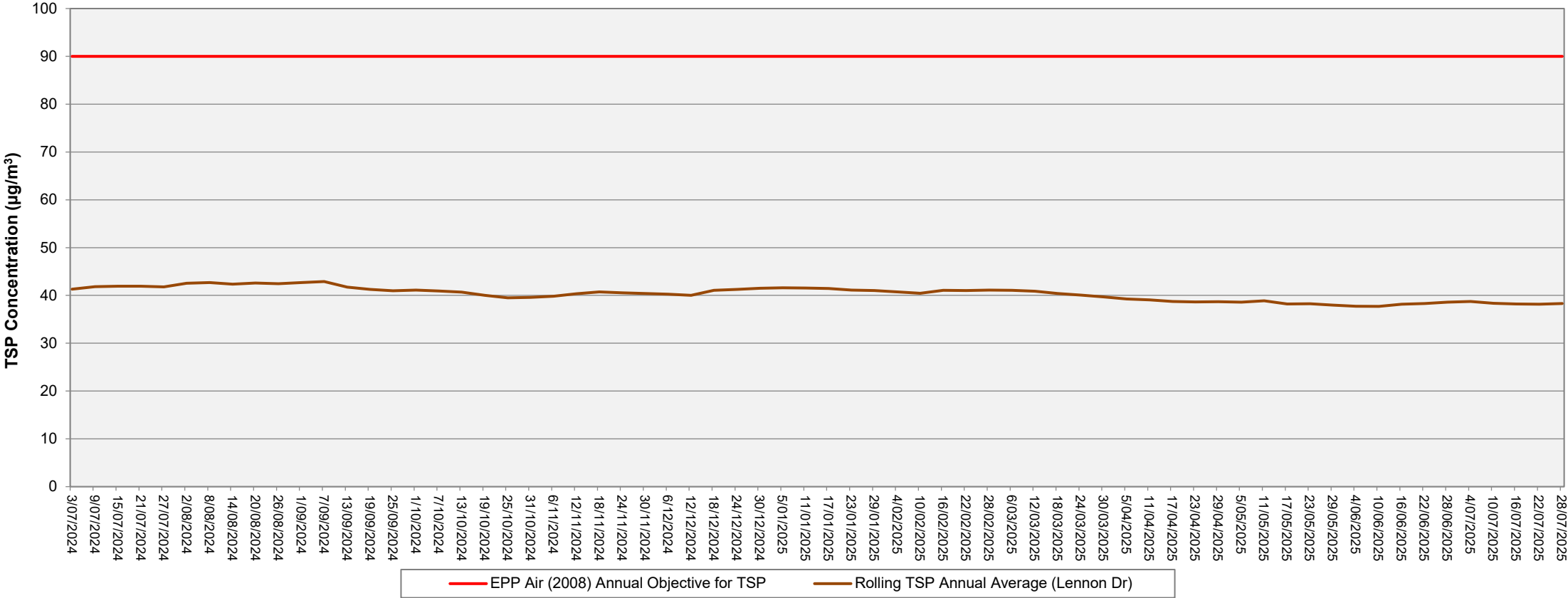
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



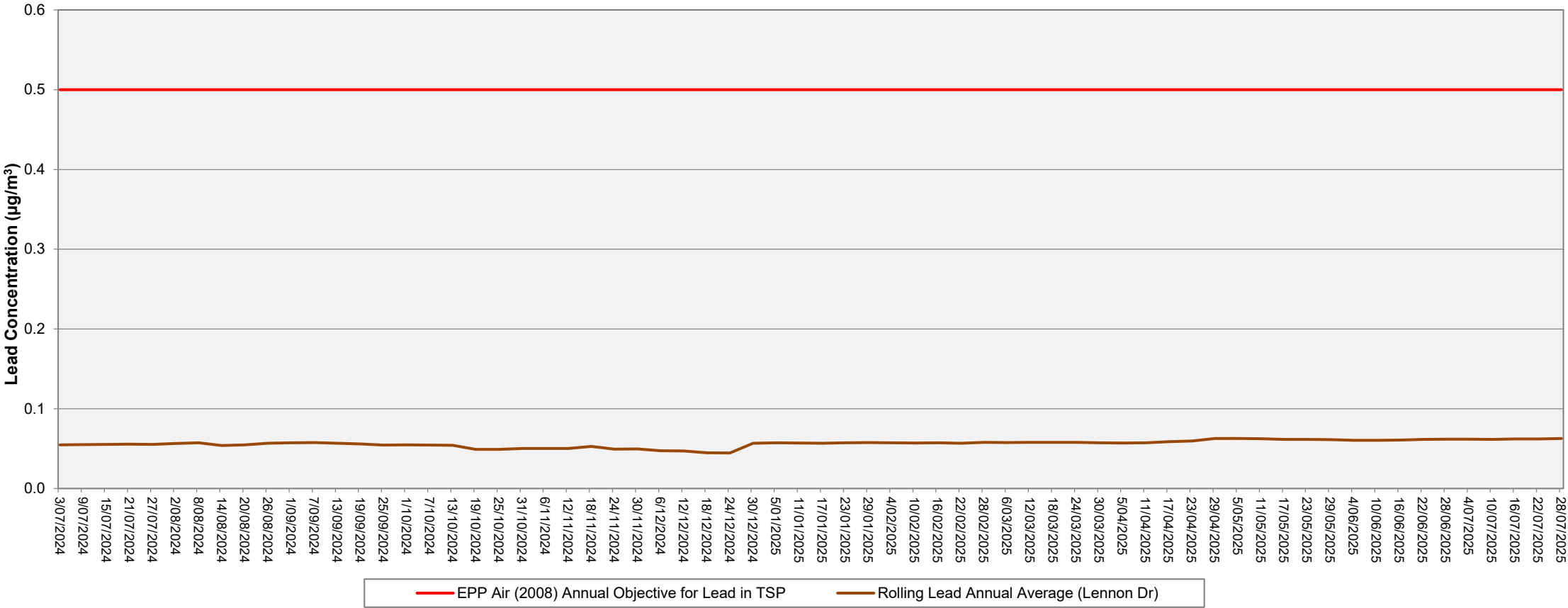
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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

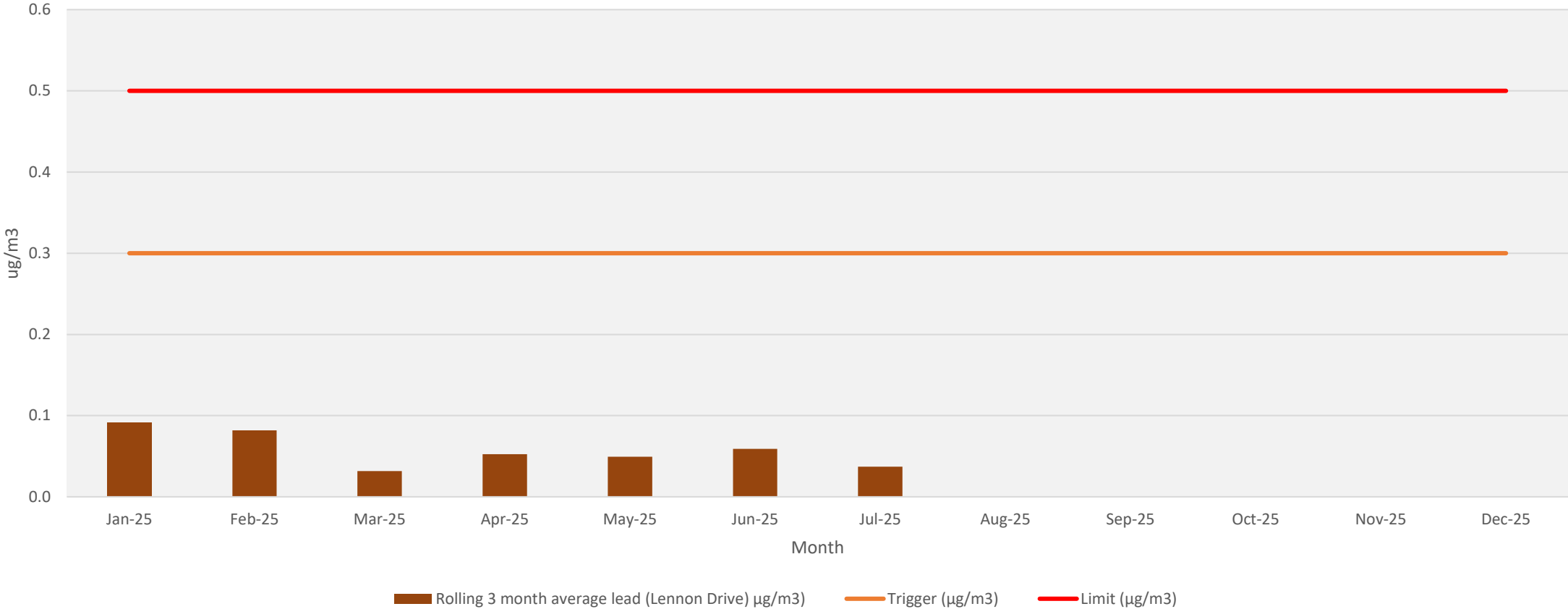
Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site
July 2024 – July 2025



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

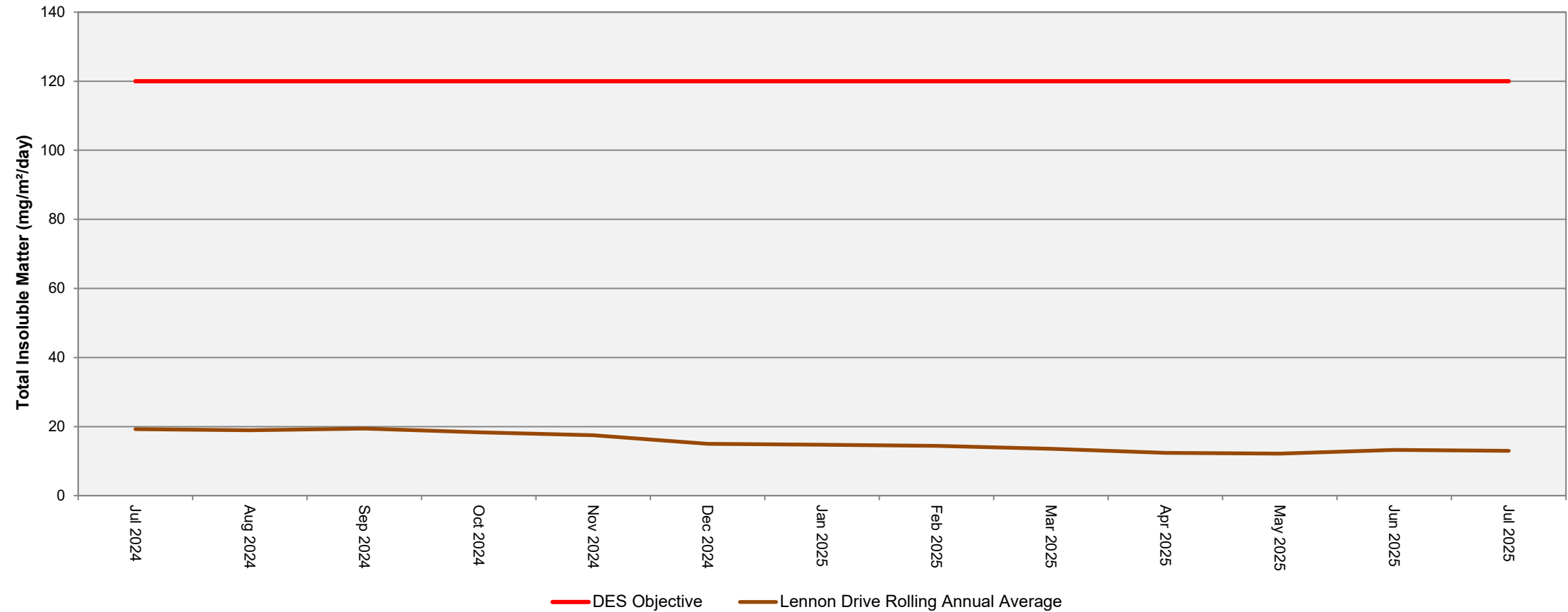
[Click here](#) for information on how to interpret this data

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



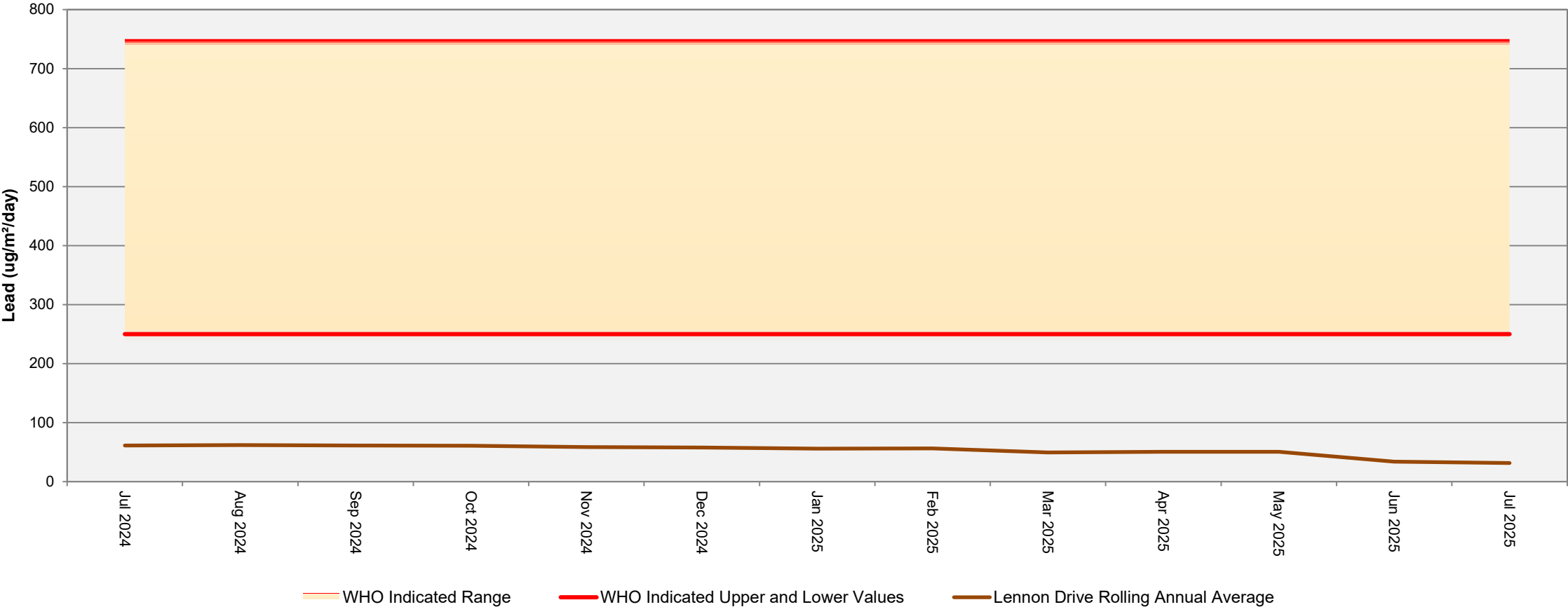
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

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



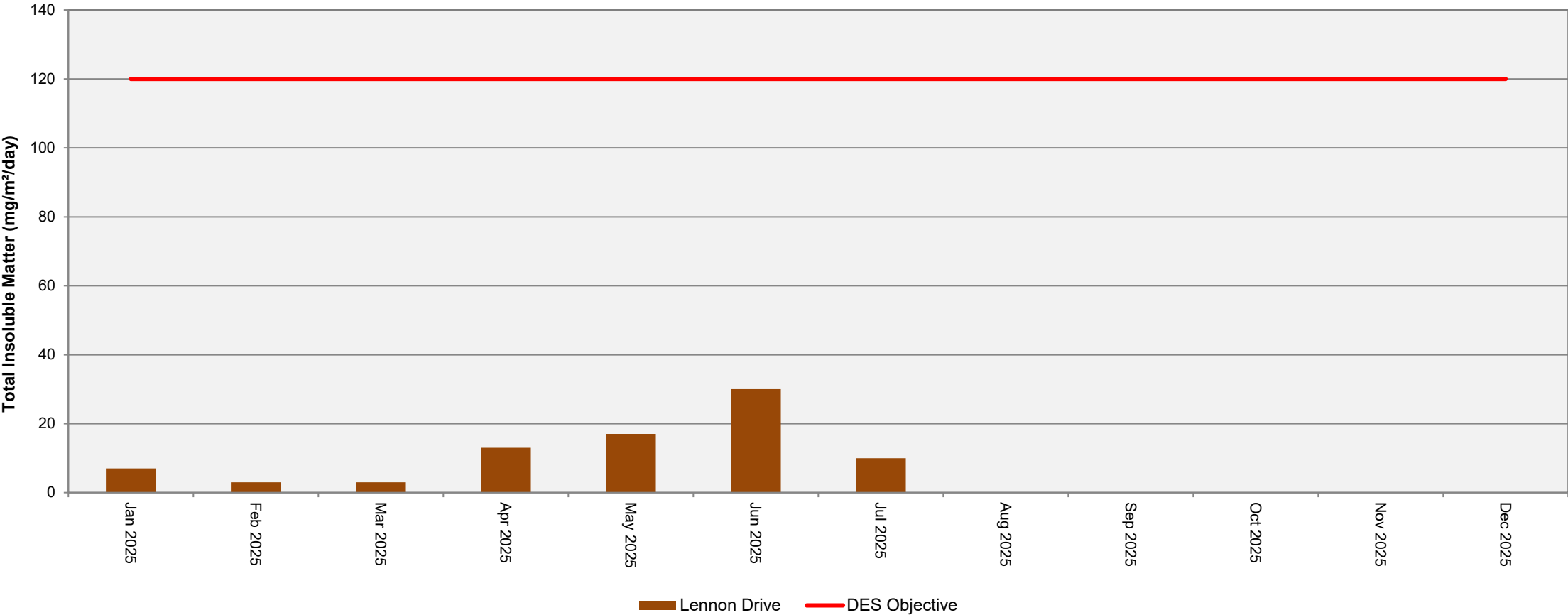
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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