

Air Quality Dashboard | August | 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

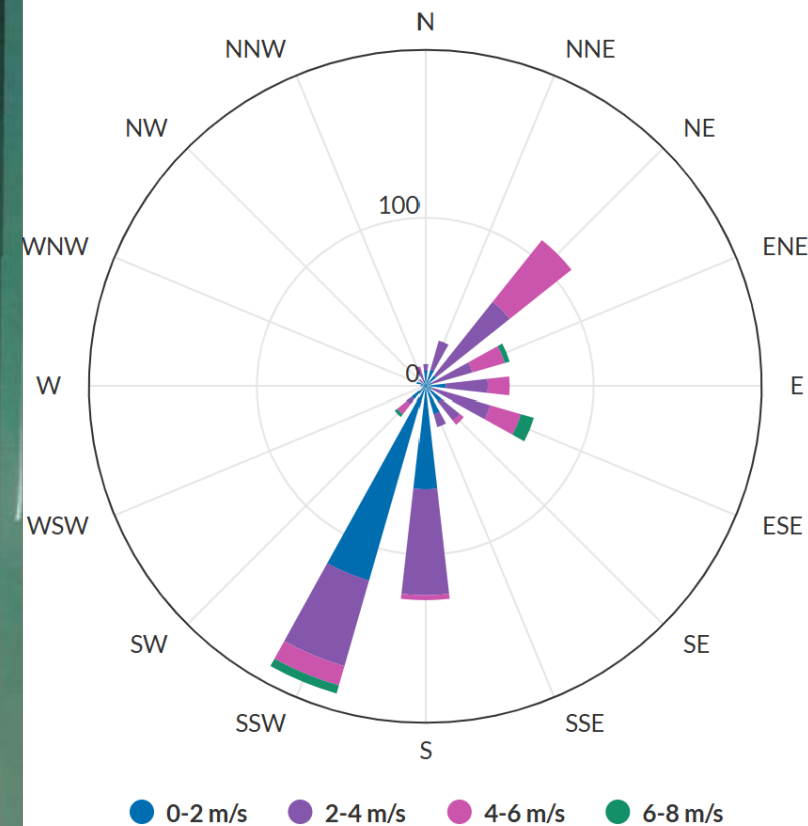
Air Quality
Monitoring Plan



Air Quality Monitoring Locations



Wind speed ranges correlating to wind direction



Shipping Movements in August 2025

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

Date In/Out	Vessel Name	Cargo	Berth
30 Jul 2025 - 02 Aug 2025	ADF		10
30 Jul 2025 - 01 Aug 2025	SUVA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
03 Aug 2025 - 04 Aug 2025	JNS HARMONY	CONCENTRATES (EXPORT)	3 STH
03 Aug 2025 - 05 Aug 2025	AKUNA	CEMENT (IMPORT)	4
06 Aug 2025 - 07 Aug 2025	BRIO FAITH	FODDER (IMPORT)	3 NTH
06 Aug 2025 - 08 Aug 2025	CAPTAIN LUCAS	SUGAR (EXPORT)	9
07 Aug 2025 - 08 Aug 2025	CAPE BONAVISTA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
07 Aug 2025 - 11 Aug 2025	AUDREY SW	COPPER CONCENTRATES (IMPORT)	3 STH
08 Aug 2025 - 10 Aug 2025	NORD NEWPORT	SUGAR (EXPORT)	9
09 Aug 2025 - 11 Aug 2025	BERGE SCAPELL PIKE	FERTILIZER (IMPORT)	10
09 Aug 2025 - 11 Aug 2025	SEA DOLPHIN	FUELS (IMPORT)	1
10 Aug 2025 - 11 Aug 2025	APHRODITE LEADER	MOTOR VEHICLES (IMPORT)	4
12 Aug 2025 - 14 Aug 2025	NICHOLAS STANFORD	SULPHUR (IMPORT)	10
12 Aug 2025 - 13 Aug 2025	DAREEN	CATTLE (EXPORT)	3 NTH
13 Aug 2025 - 14 Aug 2025	KOTA GABUNG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
14 Aug 2025 - 15 Aug 2025	GENIUS HIGHWAY	MOTOR VEHICLES (IMPORT)	3 NTH
14 Aug 2025 - 17 Aug 2025	RANA	CONCENTRATES (EXPORT)	4
16 Aug 2025 - 16 Aug 2025	NORWEGIAN SUN		10
16 Aug 2025 - 19 Aug 2025	BRIGHT HOPE	TYRES (IMPORT)	3 NTH
17 Aug 2025 - 23 Aug 2025	ORIENT PROGRESS	SCRAP (EXPORT)	9
17 Aug 2025 - 19 Aug 2025	ADF	ARMY EQUIPMENT (IMPORT)	10
17 Aug 2025 - 19 Aug 2025	NEW SENA	MOLASSES (EXPORT)	8
17 Aug 2025 - 18 Aug 2025	ESTEEM ENDEAVOR	FUELS (IMPORT)	1
18 Aug 2025 - 21 Aug 2025	STI BRONX	FUELS (IMPORT)	1
19 Aug 2025 - 22 Aug 2025	DEVBULK DAMLA	CONCENTRATES (IMPORT)	10
19 Aug 2025 - 21 Aug 2025	HANSA FREYBURG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
20 Aug 2025 - 21 Aug 2025	AUDREY SW	CONCENTRATES (EXPORT)	8
21 Aug 2025 - 23 Aug 2025	FS BITUMEN NO. 2	BITUMEN (IMPORT)	4
21 Aug 2025 - 23 Aug 2025	RANA	CONCENTRATES (EXPORT)	3 STH
21 Aug 2025 - 22 Aug 2025	SEA ADMIRAL	FUELS (IMPORT)	1
22 Aug 2025 - 23 Aug 2025	DEVBULK DAMLA	CONCENTRATES (IMPORT)	10
22 Aug 2025 - 25 Aug 2025	CYMONA EAGLE	FERTILIZER (EXPORT)	8
23 Aug 2025 - 26 Aug 2025	ANL KOKODA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
23 Aug 2025 - 24 Aug 2025	GOLDEN WAVE	FUELS (IMPORT)	1

Date In/Out	Vessel Name	Cargo	Berth
24 Aug 2025 - 25 Aug 2025	THERESA MICRONESIA	MOLASSES (EXPORT)	9
24 Aug 2025 - 25 Aug 2025	NADI CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
24 Aug 2025 - 24 Aug 2025	NORWEGIAN SUN		10
24 Aug 2025 - 27 Aug 2025	DEVBULK DAMLA	CONCENTRATES (IMPORT)	10
25 Aug 2025 - 27 Aug 2025	VELVET	SUGAR (EXPORT)	9
25 Aug 2025 - 26 Aug 2025	YANGTZE AMBITION	GENERAL/BREAK BULK (IMPORT) CONCENTRATES (EXPORT)	4
26 Aug 2025 - 28 Aug 2025	YANGTZE AMBITION	GENERAL/BREAK BULK (IMPORT) CONCENTRATES (EXPORT)	11
26 Aug 2025 - 29 Aug 2025	LUGA	CEMENT (IMPORT)	4
27 Aug 2025 - 28 Aug 2025	POAVOSA ACE	FERTILIZER (EXPORT)	8
27 Aug 2025 - 28 Aug 2025	ARKONA	SUGAR (EXPORT)	9
27 Aug 2025 - 27 Aug 2025	WISDOM ACE	MOTOR VEHICLES (IMPORT)	3 NTH
28 Aug 2025 - 28 Aug 2025	ADF		10
28 Aug 2025 - 29 Aug 2025	ASPEN EXPRESS	FUELS (IMPORT)	1
28 Aug 2025 - 30 Aug 2025	DEVBULK DAMLA	CONCENTRATES (IMPORT)	10
28 Aug 2025 - 30 Aug 2025	KOOMBANA BAY	CONCENTRATES (EXPORT)	8
28 Aug 2025 - 31 Aug 2025	LAUREL ISLAND	UREA (IMPORT)	9
30 Aug 2025 - 31 Aug 2025	KOOMBANA BAY	CONCENTRATES (EXPORT)	3 STH



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.

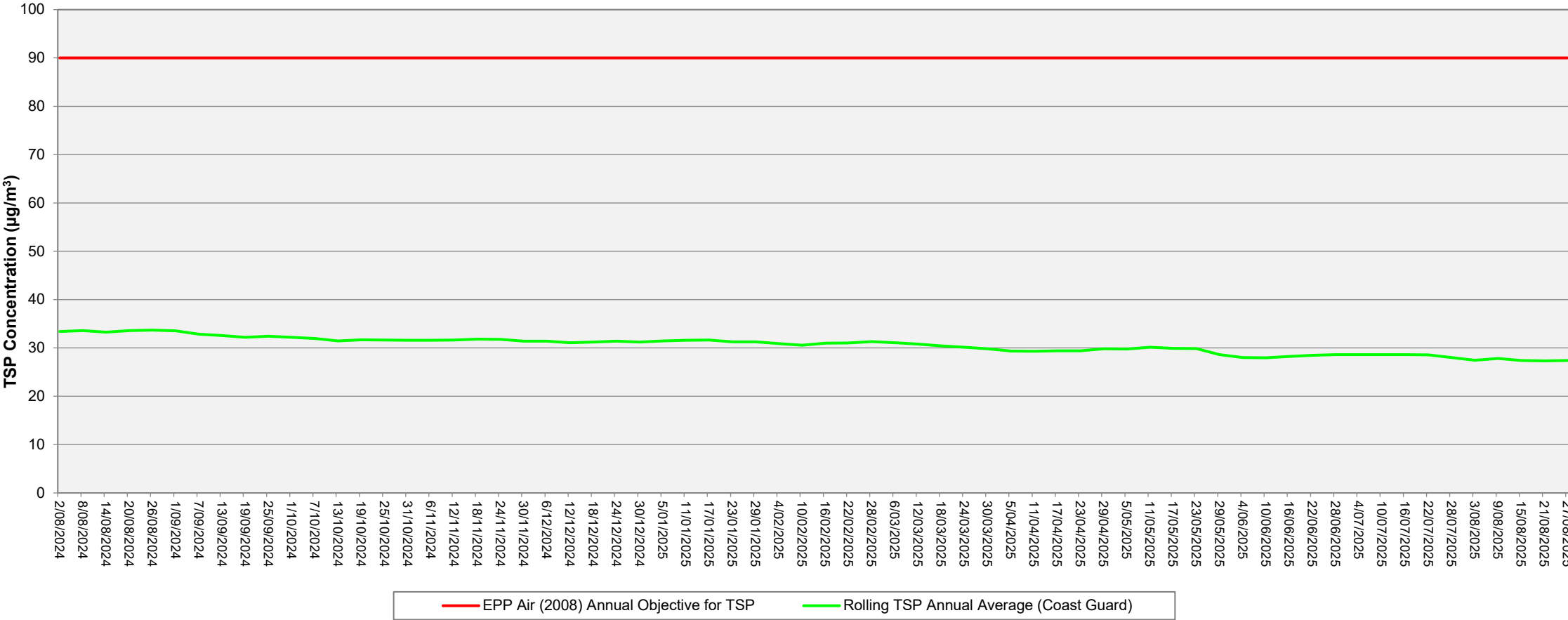
OR

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

Ask a Question / Provide Feedback

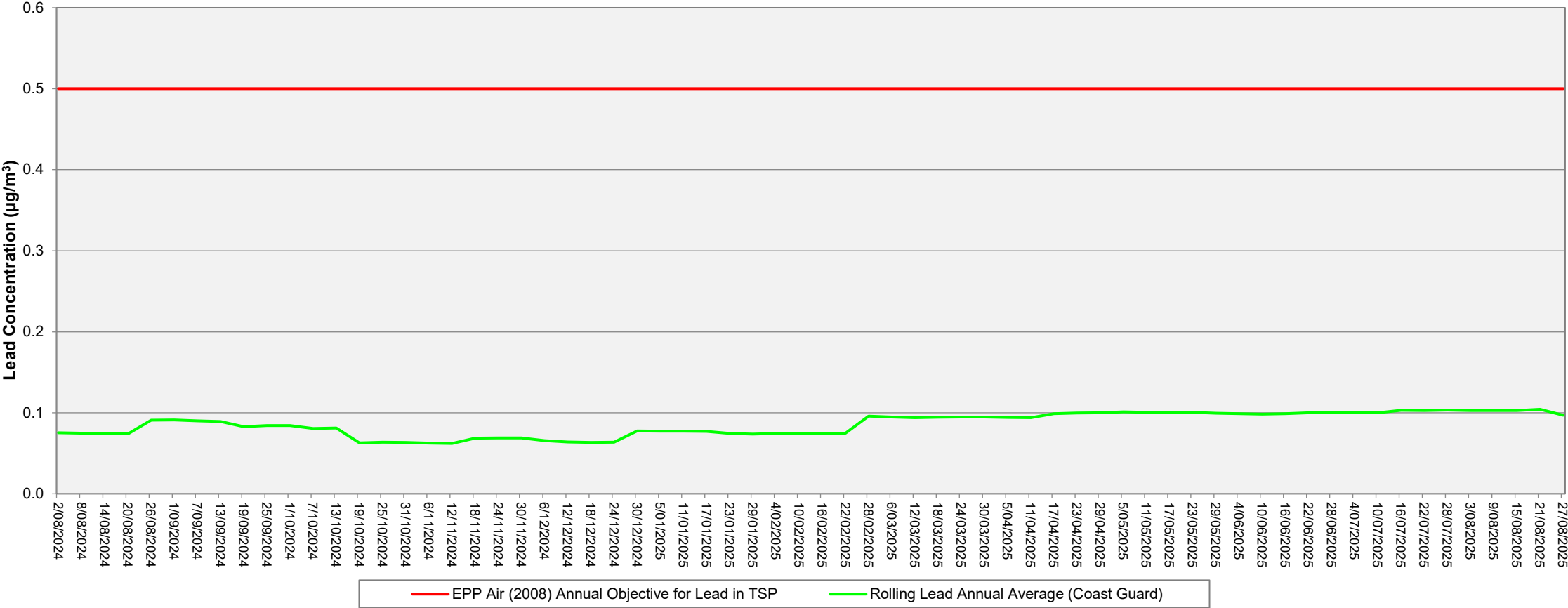
Send your enquiry or feedback to community@townsvilleport.com.au

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



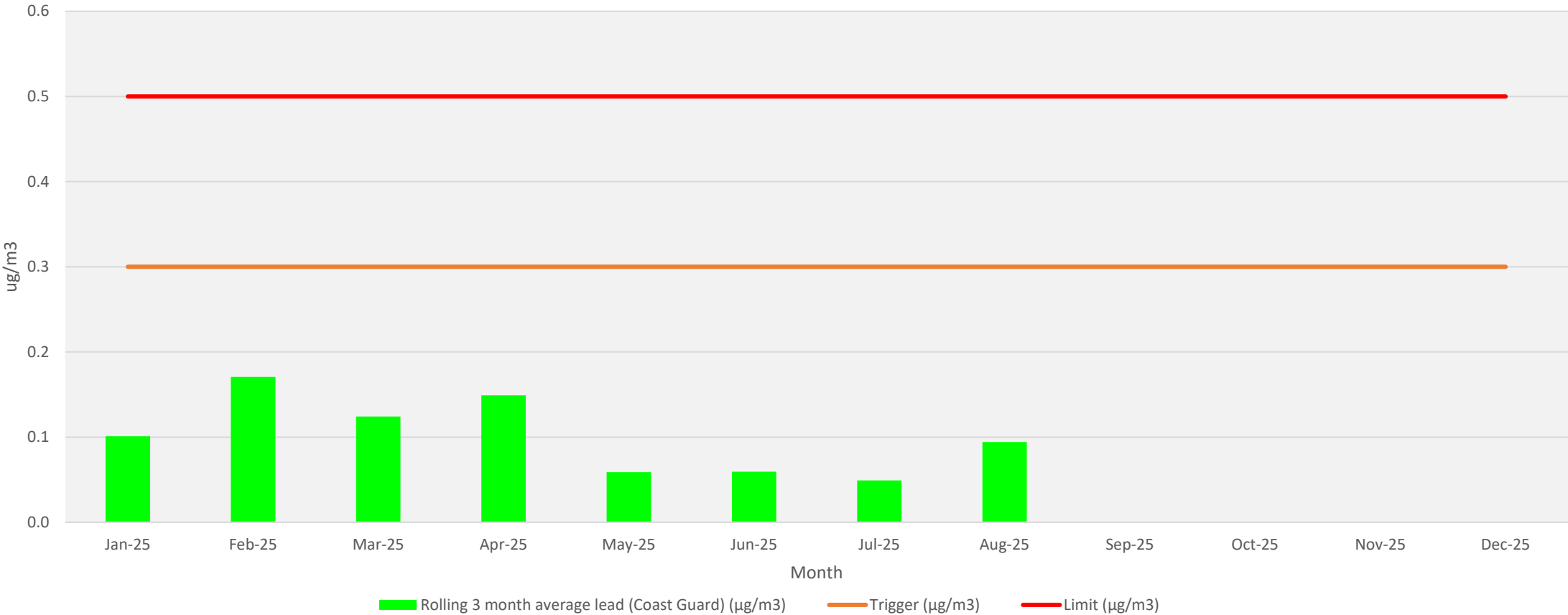
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



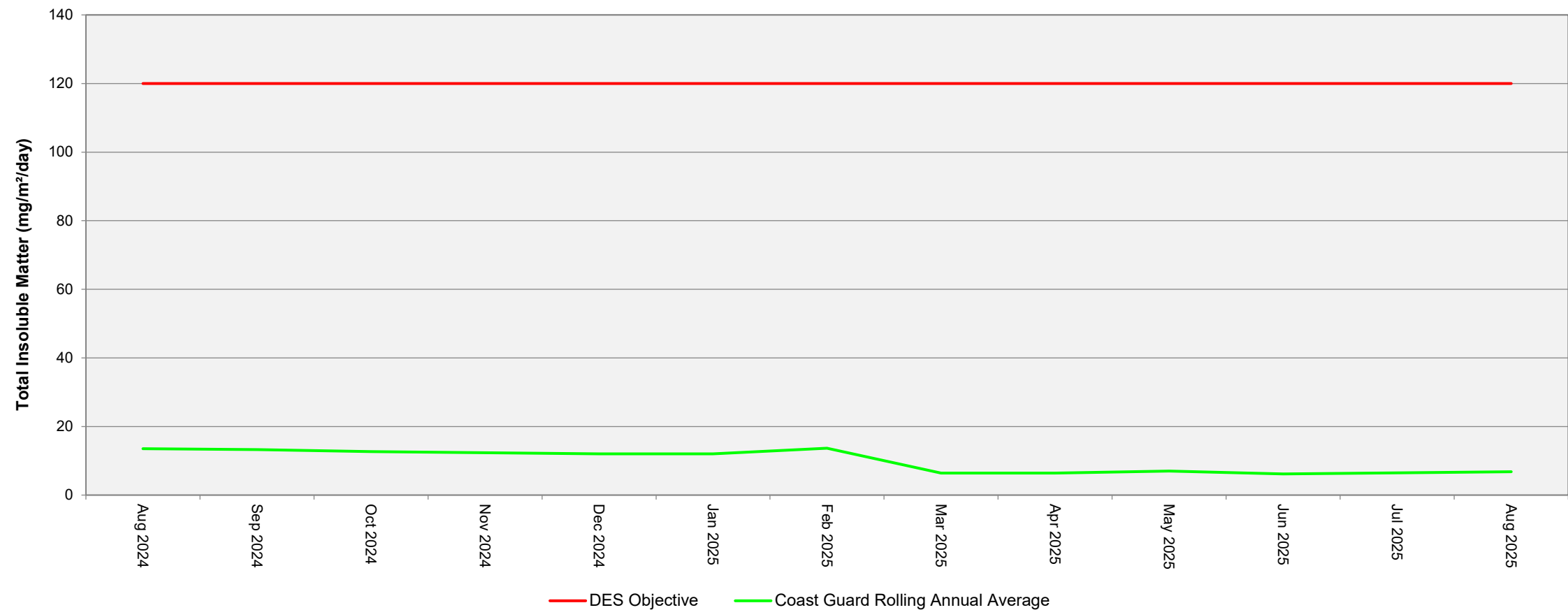
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



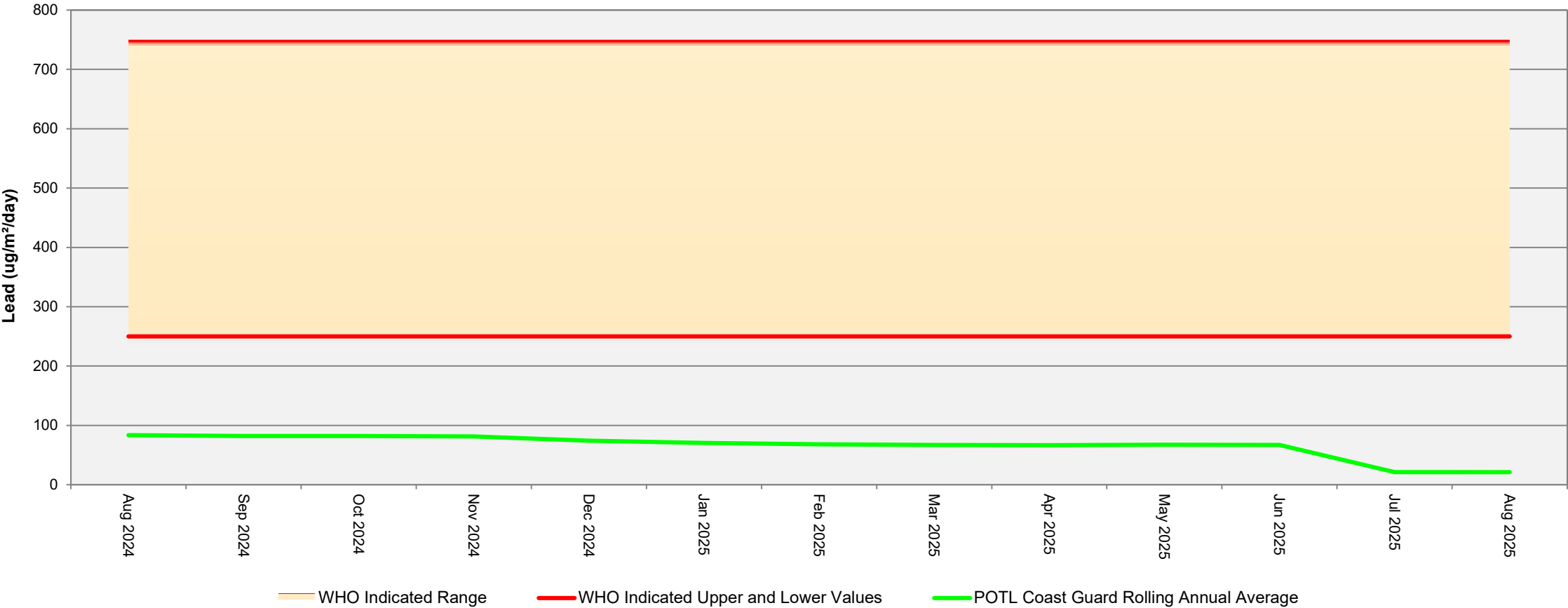
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

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



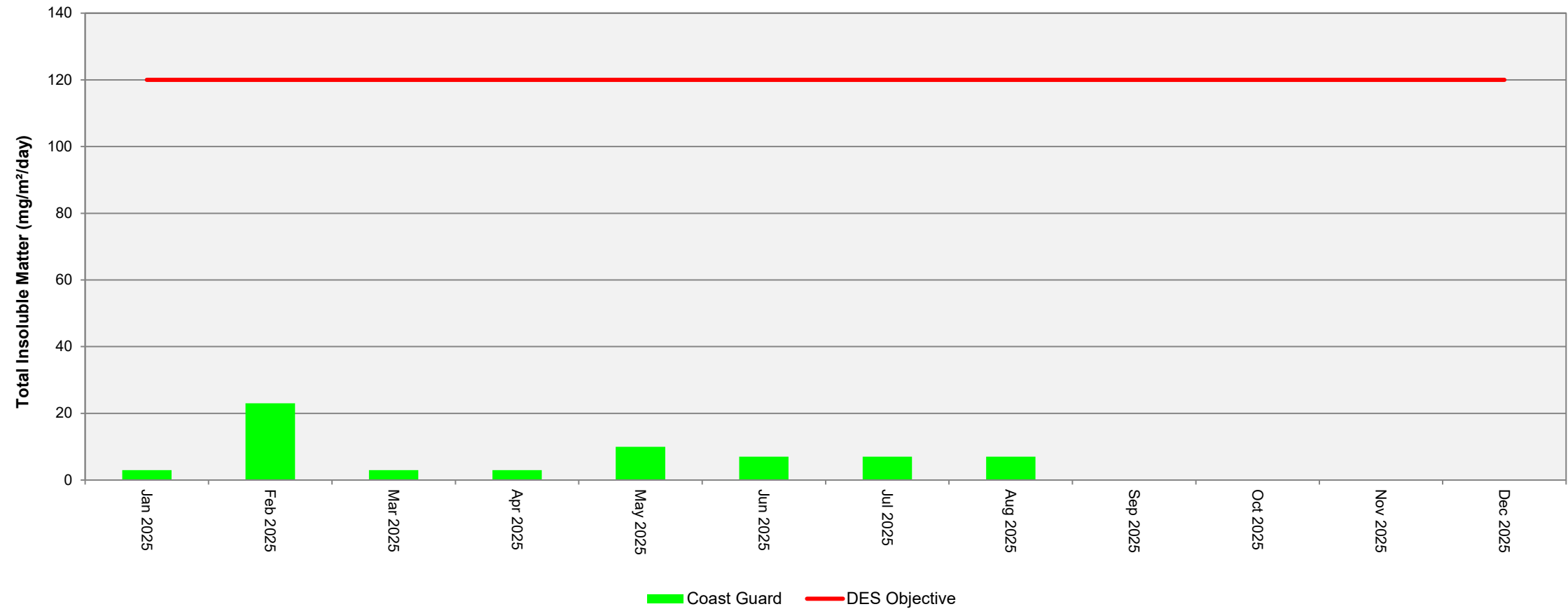
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



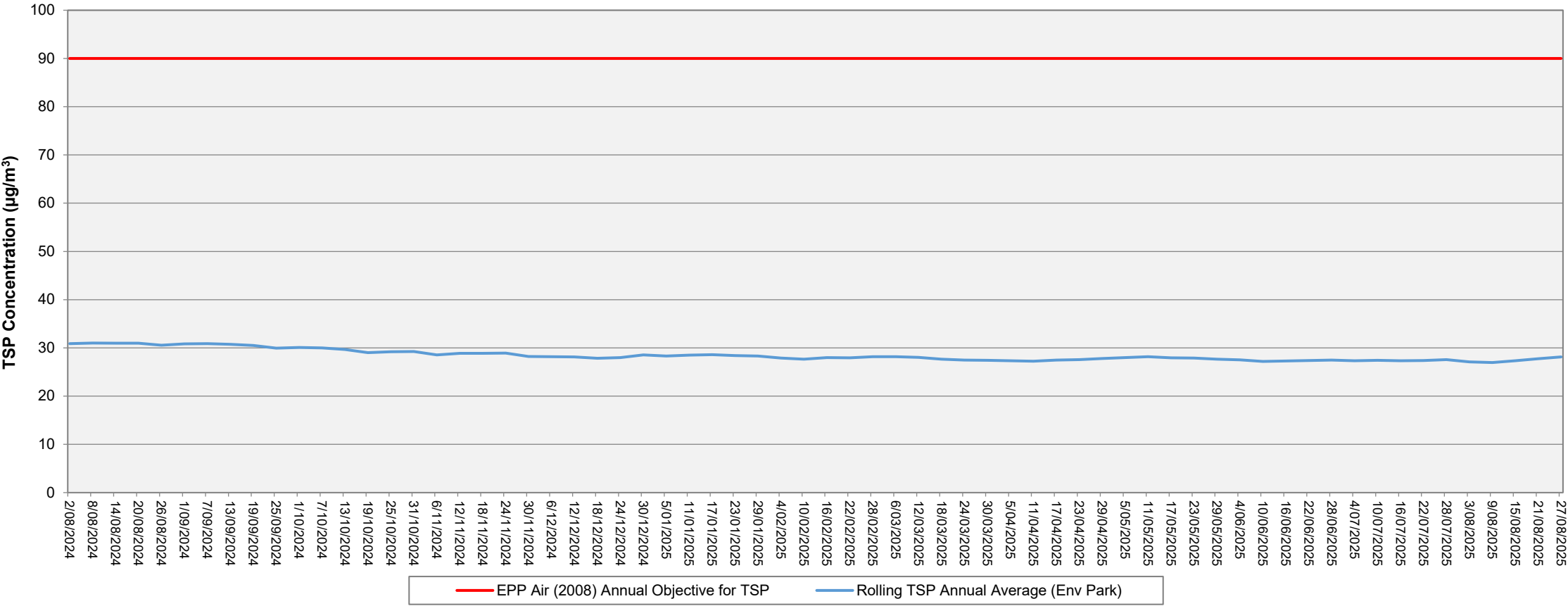
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result.

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



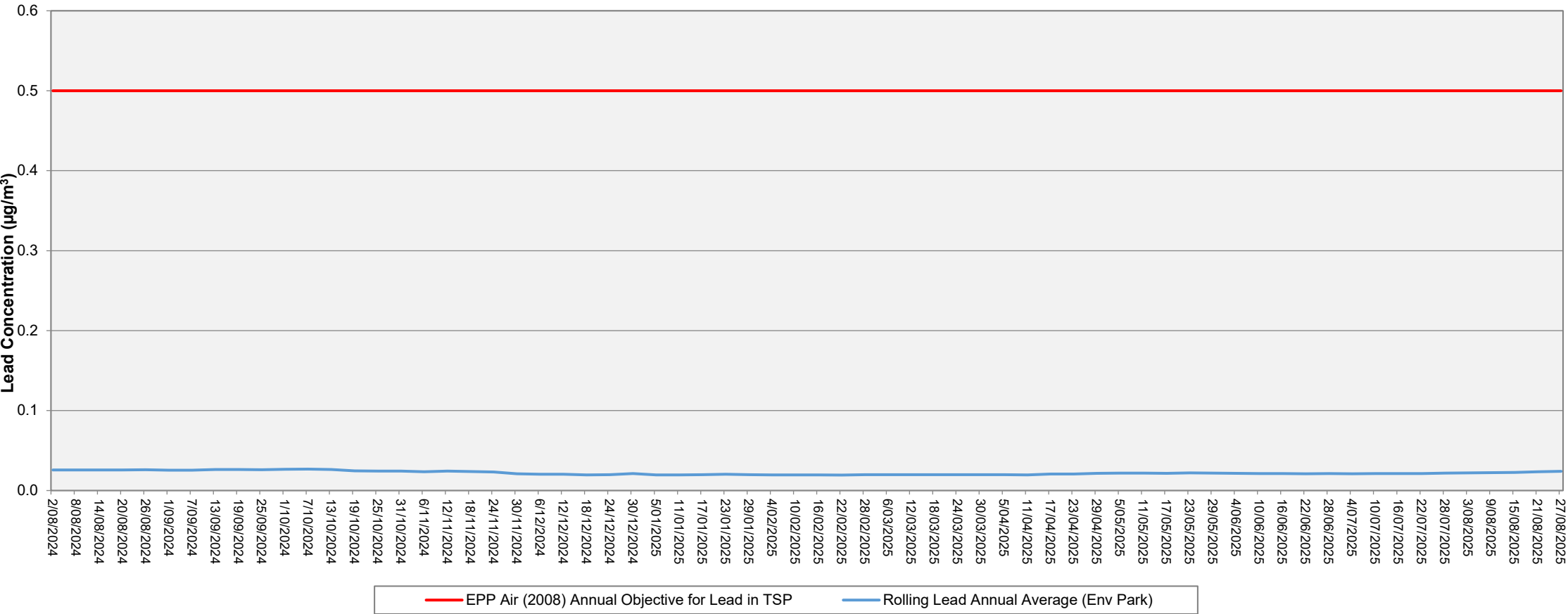
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day.

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



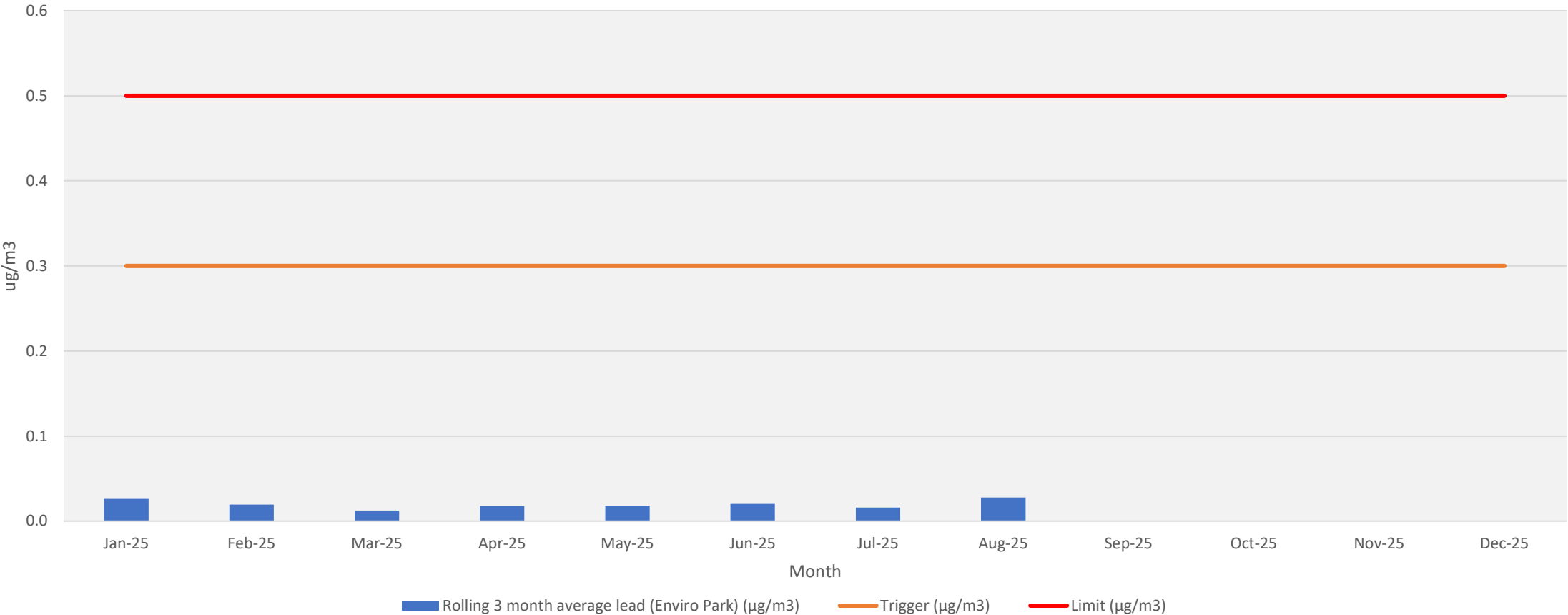
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



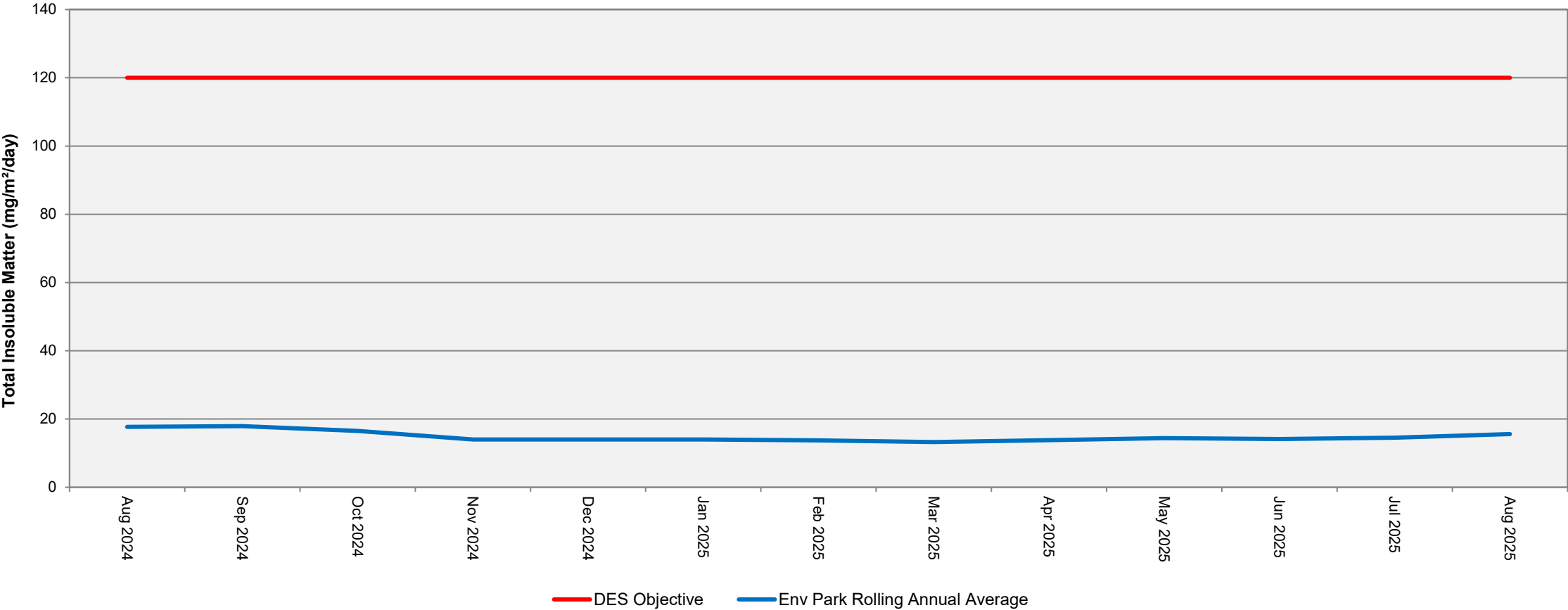
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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

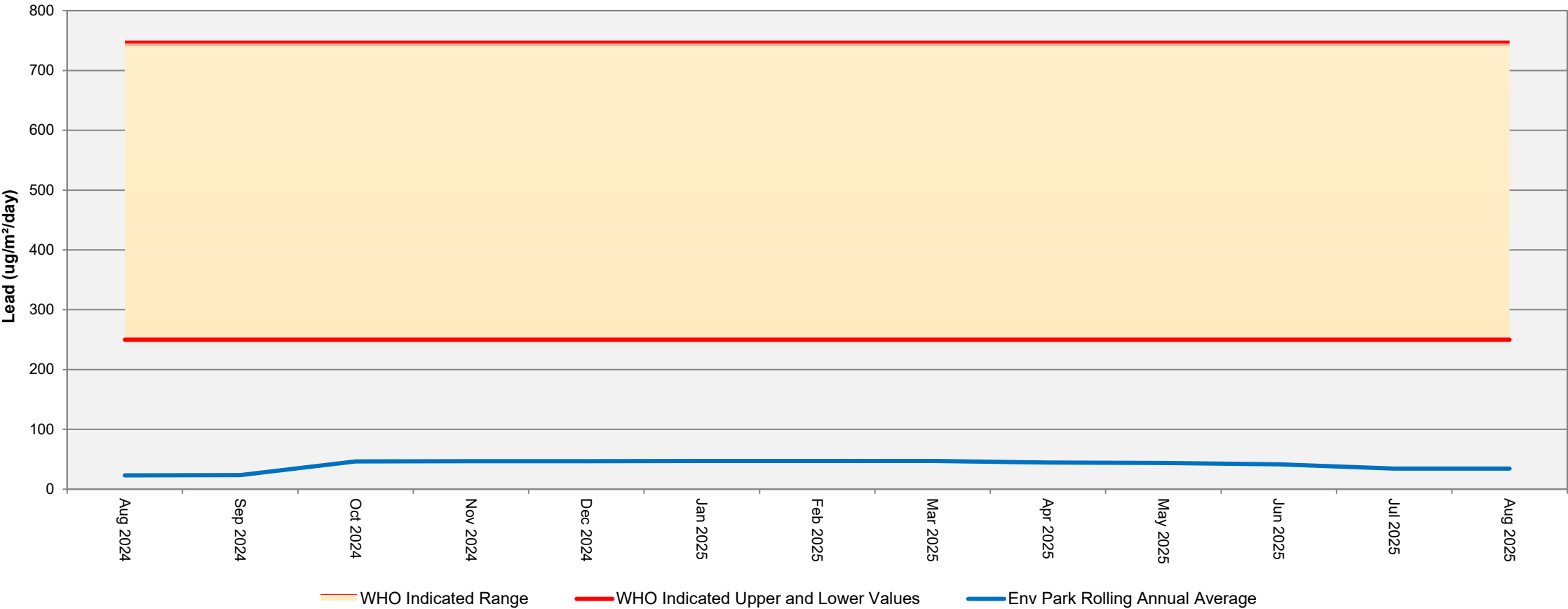
Dust Deposition Gauge - General dust deposition levels (monthly) at Environment Park site
August 2024 – August 2025



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

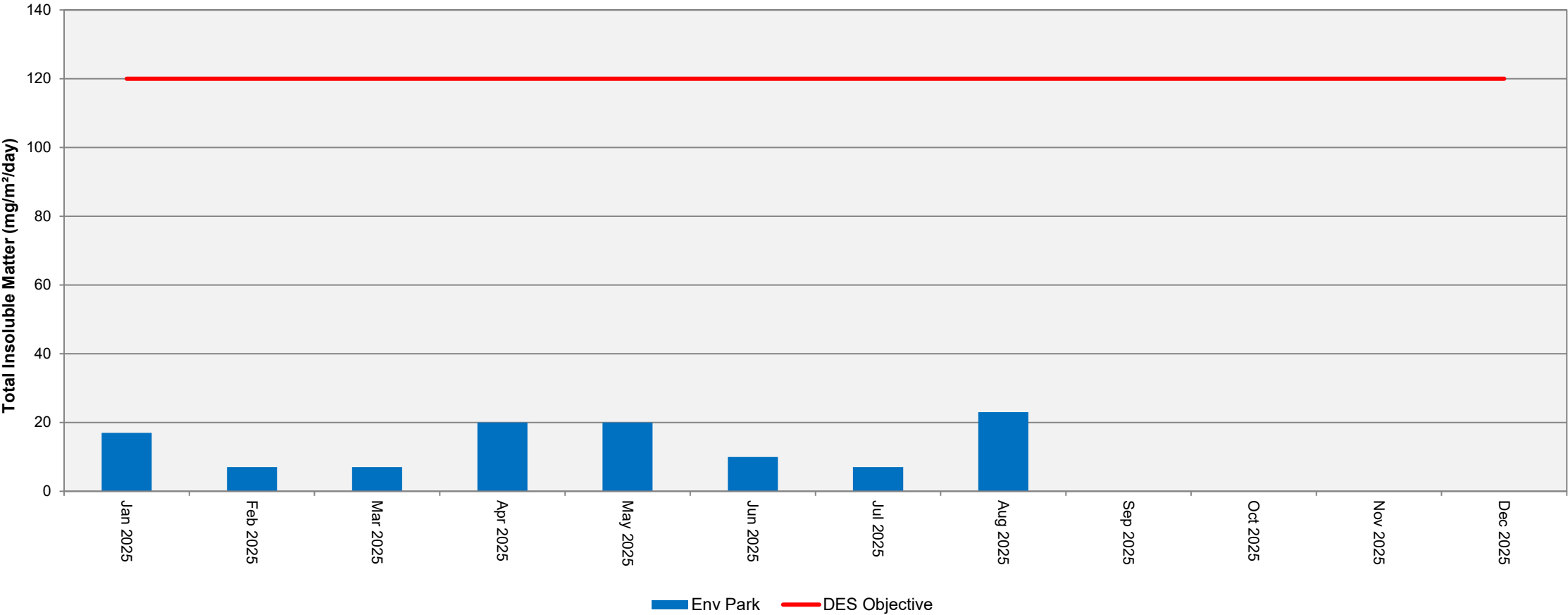
[Click here](#) for information on how to interpret this data

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



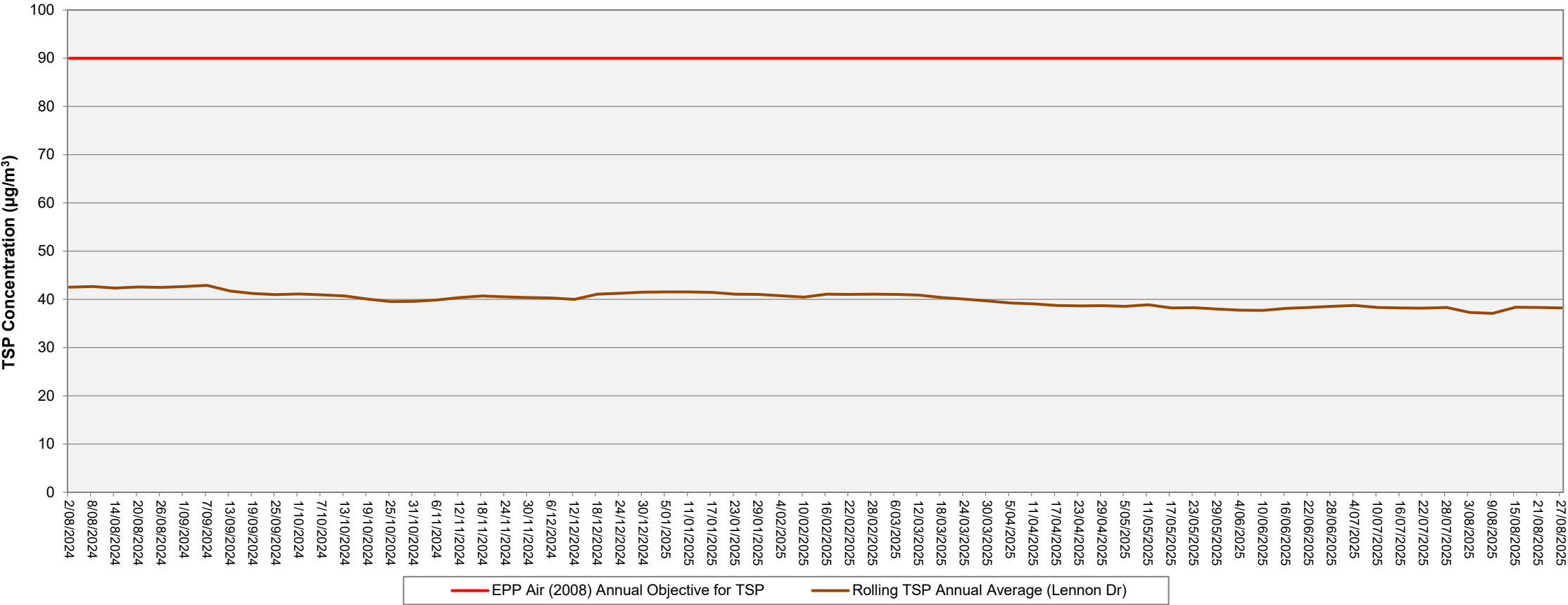
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



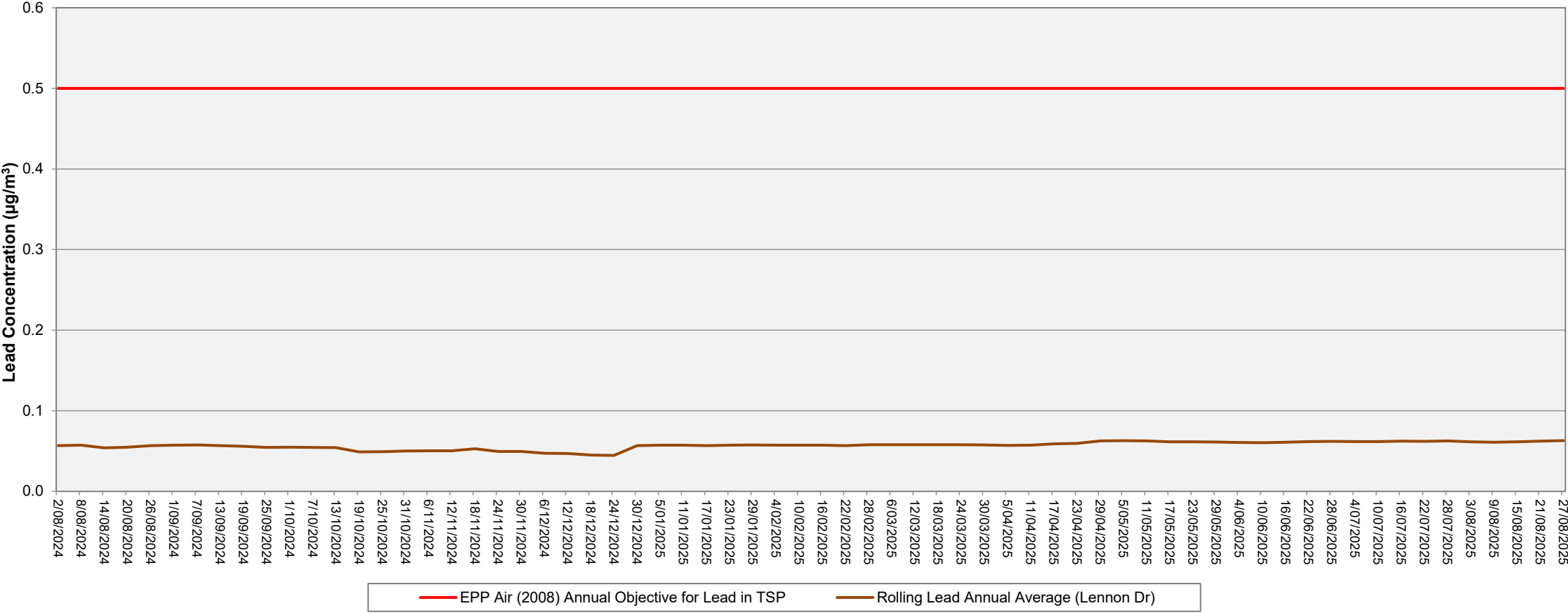
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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



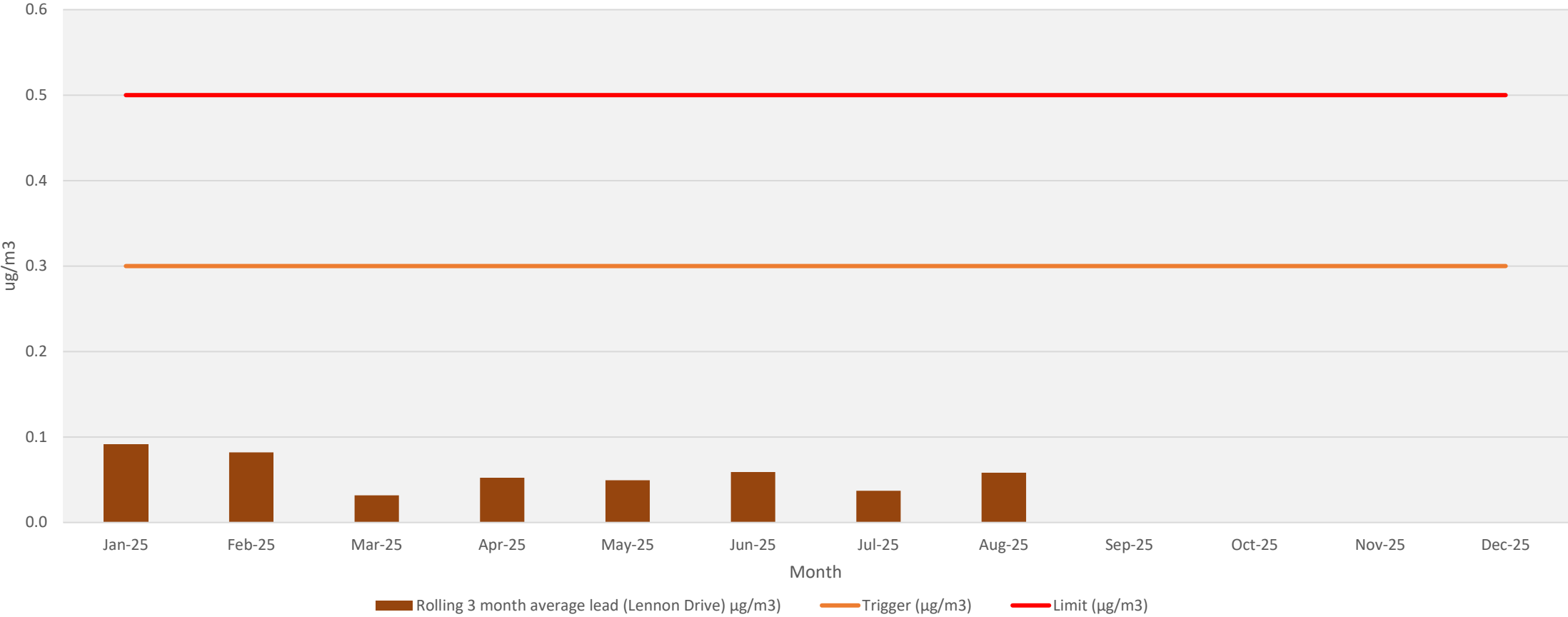
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



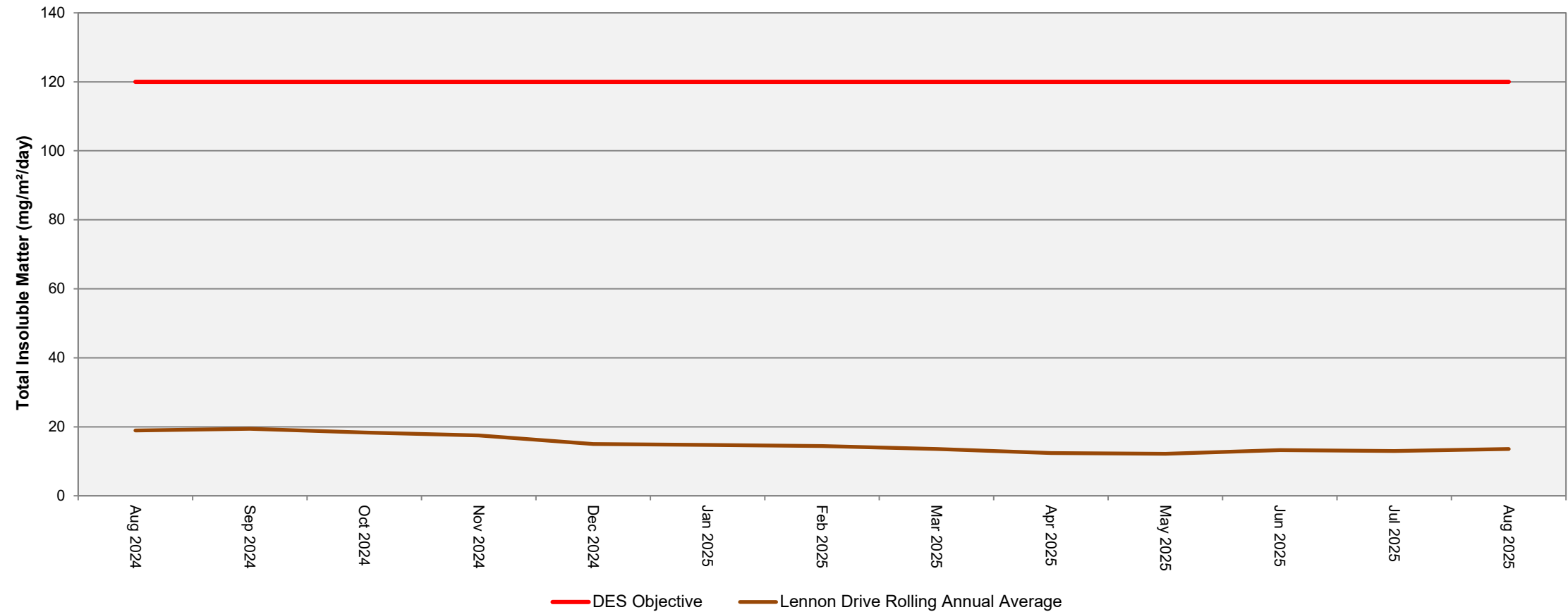
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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 August 2024 – August 2025



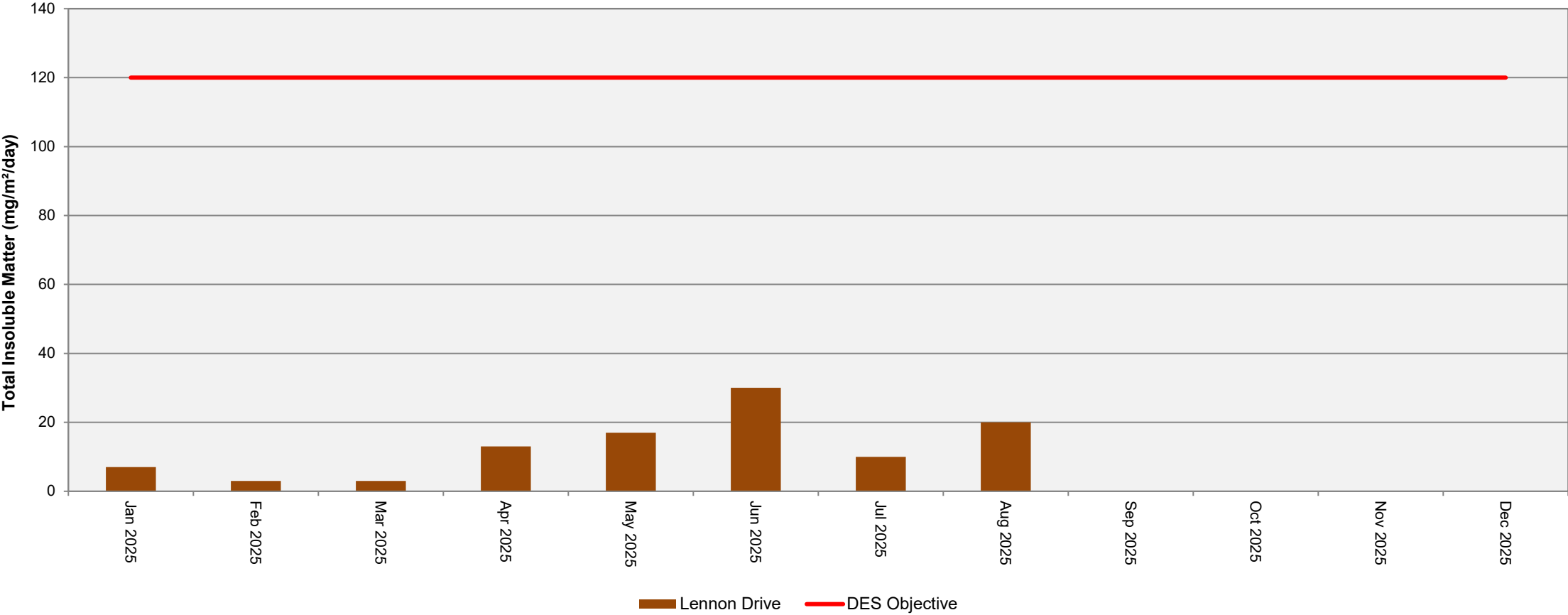
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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