

AIR QUALITY MONITORING IN TOWNSVILLE

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

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

Click here to visit DES 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

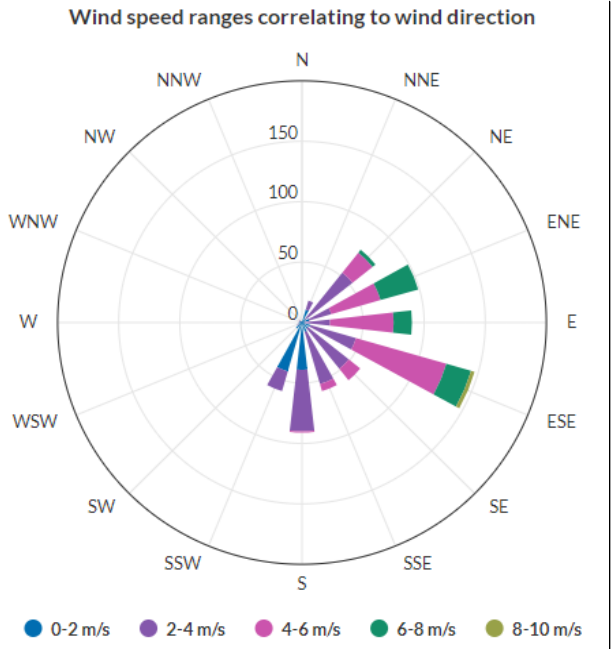
Air Quality Bulletin

Live Shipping Schedule

Rainfall Data - BOM

Air Quality Monitoring Plan

Air Quality Monitoring Locations



Shipping Movements in September 2023

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

Date In/Out	Vessel Name	Cargo	Berth
30 Aug 2023 - 01 Sep 2023	NADI CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
01 Sep 2023 - 11 Sep 2023	CAROLYN	ZINC CONCENTRATES (IMPORT)	10
01 Sep 2023 - 02 Sep 2023	SIBULK TRADITION	SUGAR (EXPORT)	9
02 Sep 2023 - 03 Sep 2023	SEA DOLPHIN	FUELS (IMPORT)	1
03 Sep 2023 - 05 Sep 2023	THE PROSPECTOR	BITUMEN (IMPORT)	1
04 Sep 2023 - 05 Sep 2023	PACIFIC HARMONY	ZINC CONCENTRATES (EXPORT)	3 STH
05 Sep 2023 - 07 Sep 2023	TSL ROSEMARY	UREA (IMPORT)	9
05 Sep 2023 - 05 Sep 2023	HAMBURG HIGHWAY	MOTOR VEHICLES (IMPORT)	4
05 Sep 2023 - 06 Sep 2023	CARNATION ACE	MOTOR VEHICLES (IMPORT)	4
05 Sep 2023 - 07 Sep 2023	PACIFIC HARMONY	ZINC CONCENTRATES (EXPORT)	8
06 Sep 2023 - 08 Sep 2023	VENUS LEADER	MOTOR VEHICLES (IMPORT)	4
06 Sep 2023 - 09 Sep 2023	BRONZE LADY	CONCENTRATES (IMPORT)	3 NTH
07 Sep 2023 - 08 Sep 2023	FPMC 25	FUELS (IMPORT)	1
08 Sep 2023 - 10 Sep 2023	PACIFIC INTEGRITY	FERTILIZER (EXPORT)	8
08 Sep 2023 - 09 Sep 2023	FAIRCHEM INTEGRITY	CAUSTIC SODA (IMPORT)	4
08 Sep 2023 - 09 Sep 2023	GOLDEN ASPIRANT	FUELS (IMPORT)	1
09 Sep 2023 - 12 Sep 2023	AAL FREMANTLE	COPPER CONCENTRATES (IMPORT)	3 STH
09 Sep 2023 - 11 Sep 2023	ELA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
11 Sep 2023 - 12 Sep 2023	HANSA FREYBURG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
12 Sep 2023 - 13 Sep 2023	FW EXCURSIONIST	FERTILIZER (EXPORT)	10
13 Sep 2023 - 15 Sep 2023	THERESA GRACE	SUGAR (EXPORT)	9
13 Sep 2023 - 13 Sep 2023	BRAHMAN EXPRESS		3 NTH
13 Sep 2023 - 15 Sep 2023	LAUTOKA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
14 Sep 2023 - 16 Sep 2023	ADF		10
14 Sep 2023 - 14 Sep 2023	BRISBANE		8
14 Sep 2023 - 14 Sep 2023	BRISBANE		8
14 Sep 2023 - 16 Sep 2023	THERESA MICRONESIA	MOLASSES (EXPORT)	8
15 Sep 2023 - 18 Sep 2023	LUGA	CEMENT (IMPORT)	4
15 Sep 2023 - 17 Sep 2023	OLYMPIA LOGGER	SUGAR (EXPORT)	9
16 Sep 2023 - 21 Sep 2023	AFRICAN WREN	SULPHUR (IMPORT)	10

Date In/Out	Vessel Name	Cargo	Berth
17 Sep 2023 - 18 Sep 2023	PRINSENGRACHT	ZINC CONCENTRATES (EXPORT)	9
17 Sep 2023 - 19 Sep 2023	KYOWA ROSE	TYRES (IMPORT) COPPER REFINED (EXPORT)	3 NTH
17 Sep 2023 - 18 Sep 2023	FOREVER BRILLIANCY	FUELS (IMPORT)	1
18 Sep 2023 - 22 Sep 2023	PRINSENGRACHT	ZINC CONCENTRATES (EXPORT)	4
18 Sep 2023 - 20 Sep 2023	BRONZE LADY	ZINC CONCENTRATES (EXPORT)	8
19 Sep 2023 - 20 Sep 2023	SOFRANA TOURVILLE	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
19 Sep 2023 - 22 Sep 2023	TWO MILLION WAYS	FUELS (IMPORT)	1
19 Sep 2023 - 22 Sep 2023	ERNST OLDENDORFF	CONCENTRATES (EXPORT)	11
21 Sep 2023 - 21 Sep 2023	AMBER ARROW	MOTOR VEHICLES (IMPORT)	9
21 Sep 2023 - 22 Sep 2023	AFRICAN WREN	SULPHUR (IMPORT)	8
21 Sep 2023 - 24 Sep 2023	NAVA DIONYSSOS	FERTILIZER (IMPORT)	10
22 Sep 2023 - 23 Sep 2023	ERNST OLDENDORFF	CONCENTRATES (EXPORT)	3 STH
22 Sep 2023 - 23 Sep 2023	GIROLANDO EXPRESS	CATTLE (EXPORT)	4
23 Sep 2023 - 24 Sep 2023	BAUSTELLA	BITUMEN (IMPORT)	4
23 Sep 2023 - 29 Sep 2023	STAMINA SW	COKE (IMPORT)	3 STH
24 Sep 2023 - 26 Sep 2023	CAPTAINYANNIS L	SUGAR (EXPORT)	9
26 Sep 2023 - 26 Sep 2023	BRISBANE		8
27 Sep 2023 - 29 Sep 2023	SUVA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
28 Sep 2023 - 28 Sep 2023	GELBRAY EXPRESS	CATTLE (EXPORT)	10
28 Sep 2023 - 28 Sep 2023	GOLDEN LEADER	FUELS (IMPORT)	1
28 Sep 2023 - 28 Sep 2023	BRISBANE		8
28 Sep 2023 - 30 Sep 2023	GOLDEN CHIE	MOLASSES (EXPORT)	9
28 Sep 2023 - 30 Sep 2023	NORDTOKYO	FUELS (IMPORT)	1
29 Sep 2023 - 30 Sep 2023	KYOWA ORCHID	TYRES (IMPORT)	3 NTH



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.

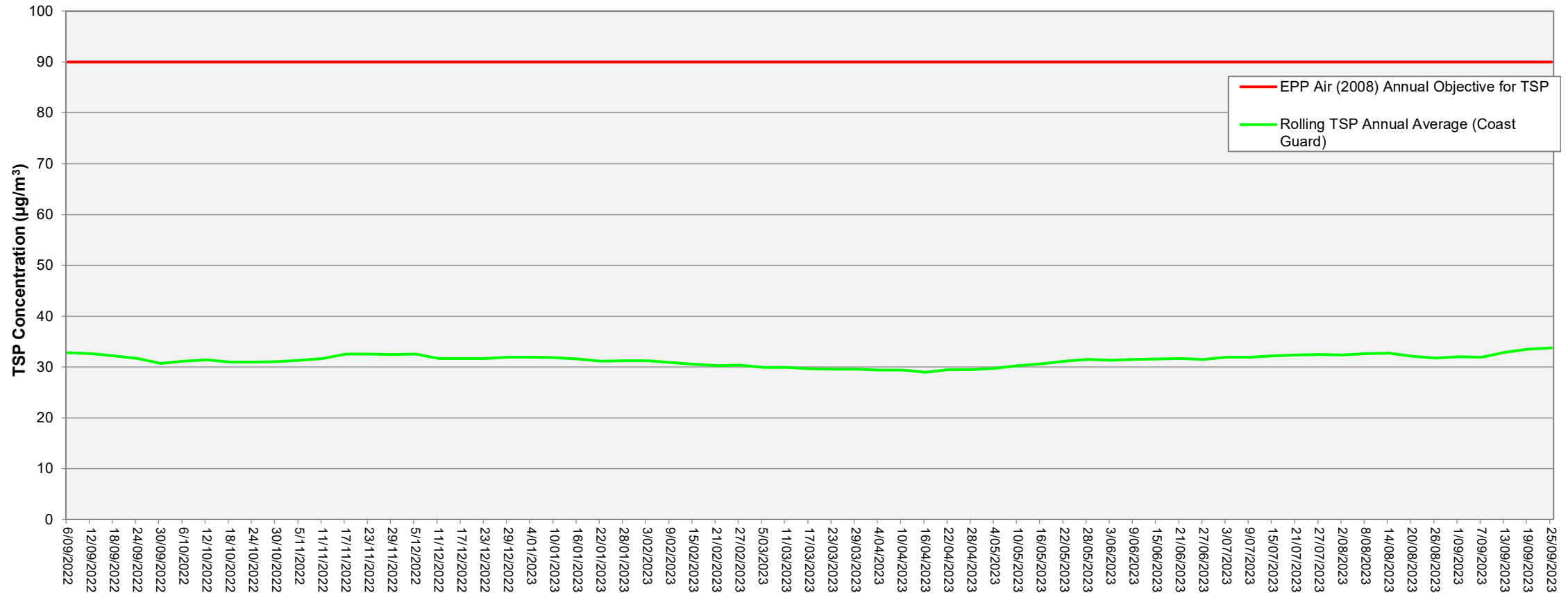
OR

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

Ask a Question / Provide Feedback

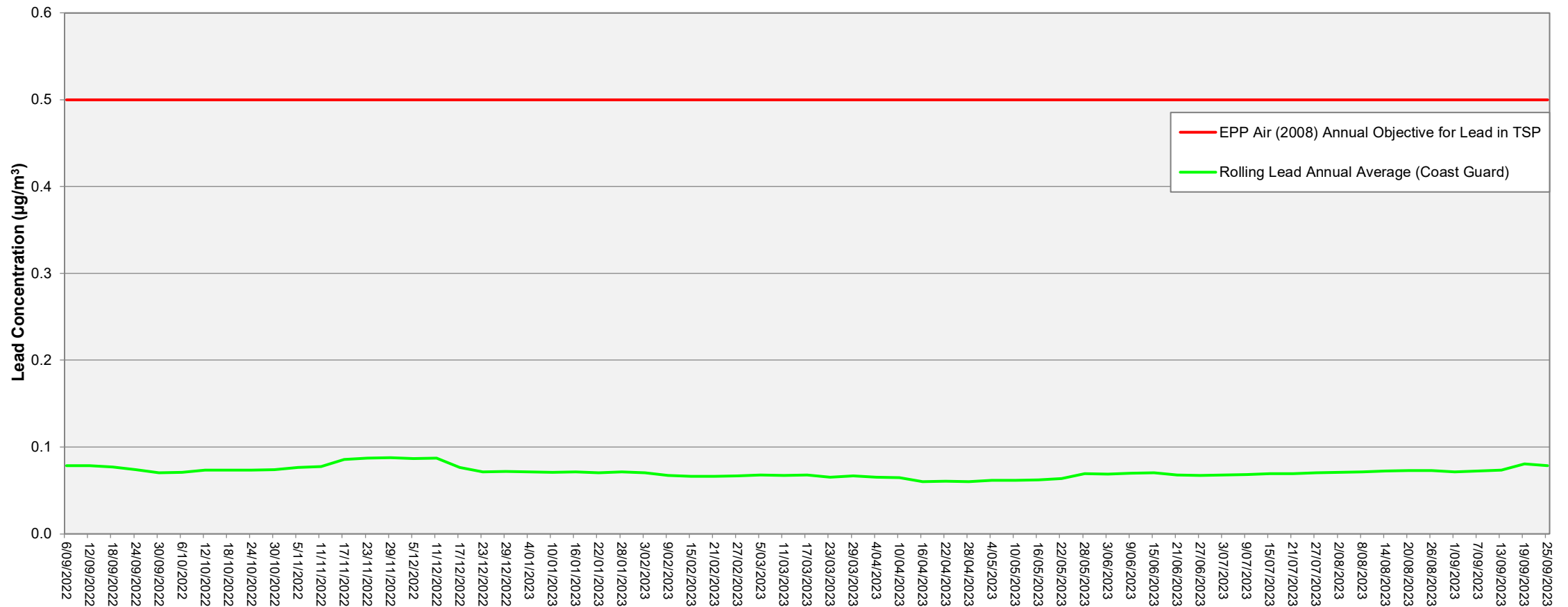
Send your enquiry or feedback to community@townsvilleport.com.au

Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site September 2022 – September 2023



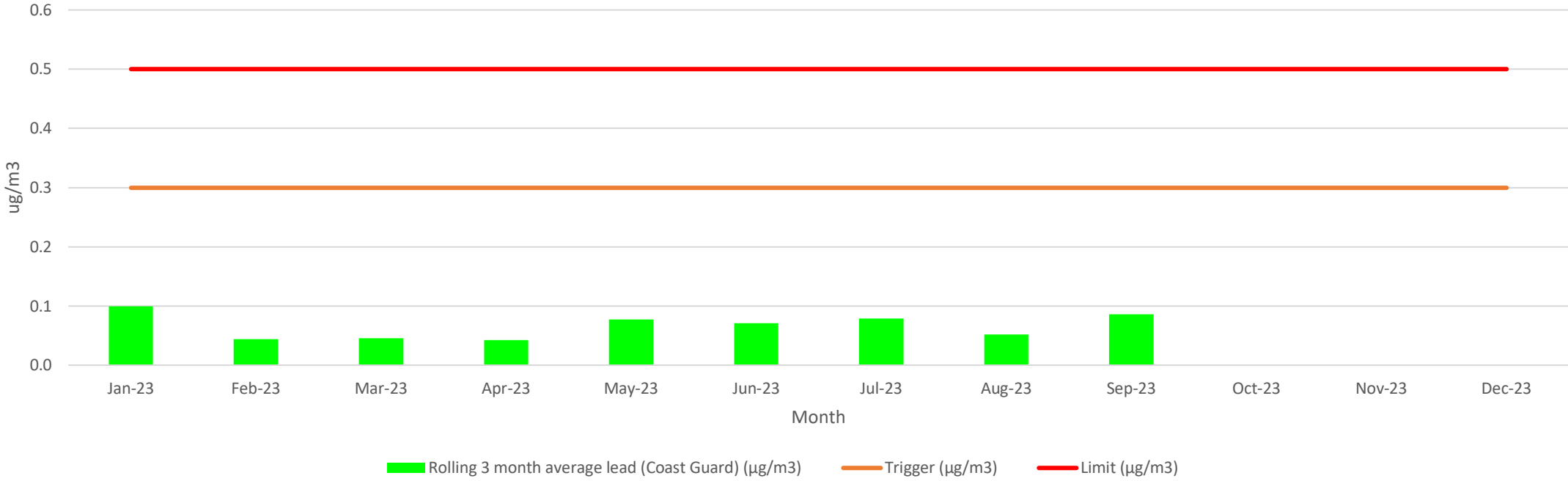
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site September 2022 – September 2023



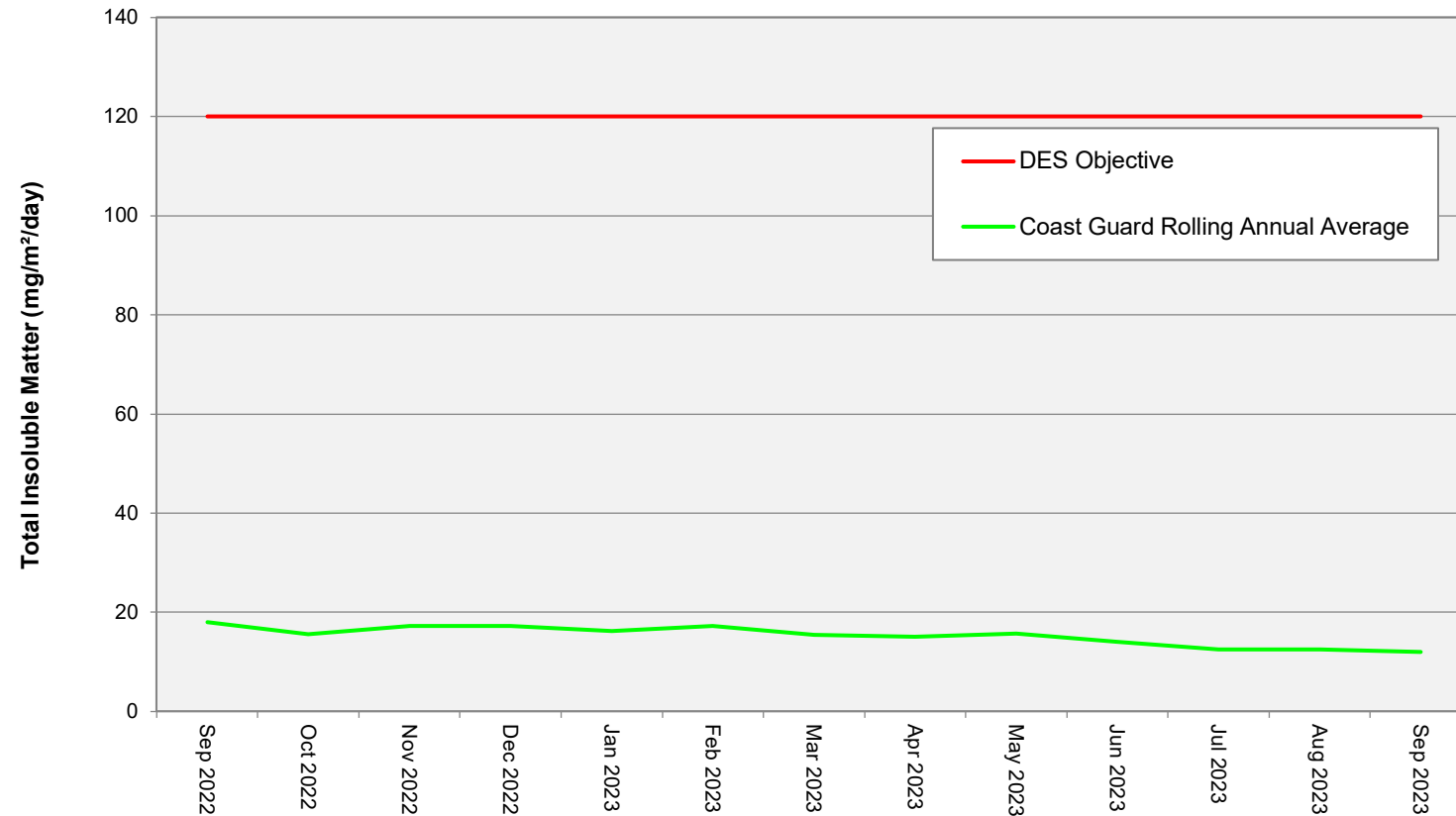
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
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Hi-Volume Sampler - Lead in dust levels (one in six days) at Coast Guard Site 2023



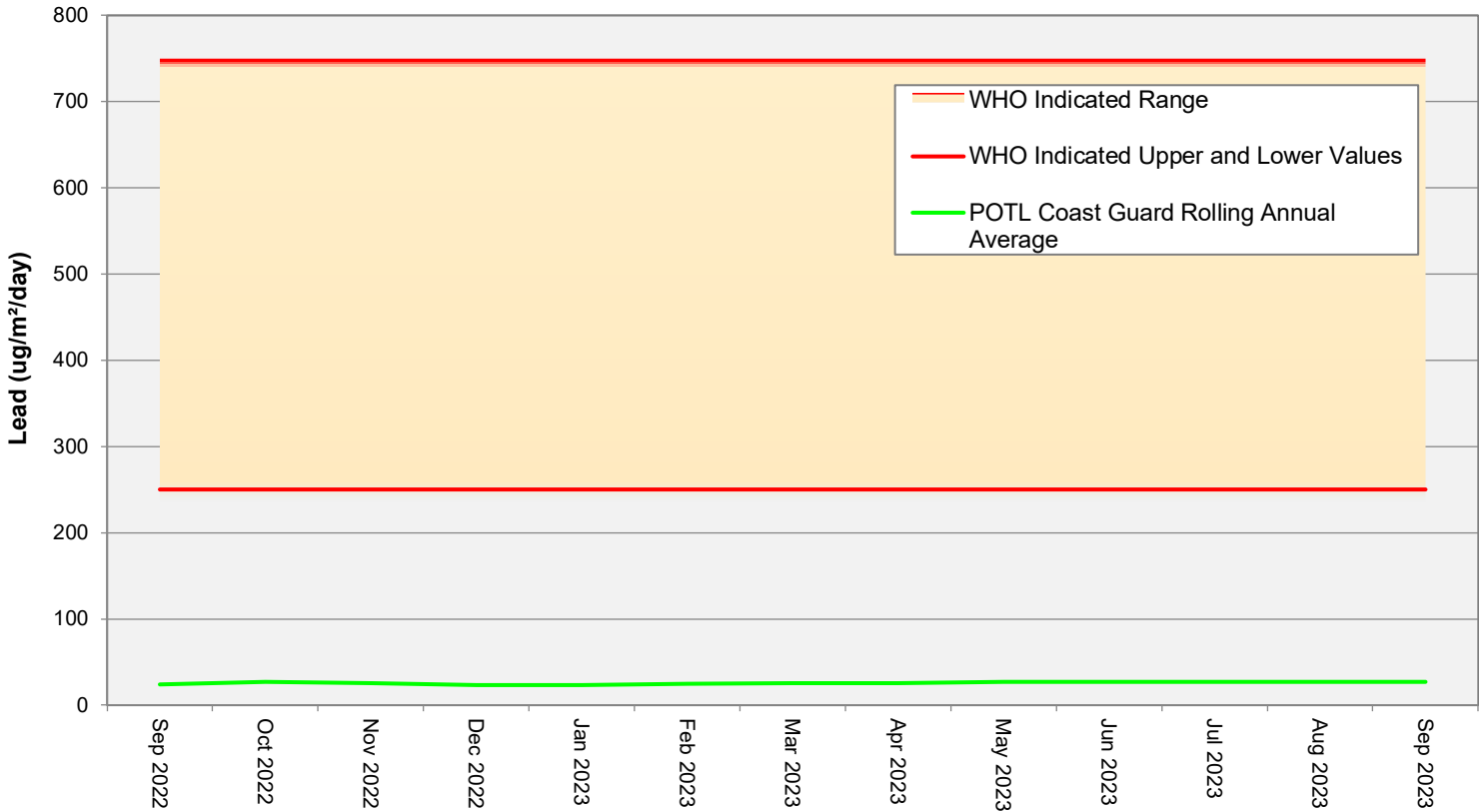
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site September 2022 – September 2023



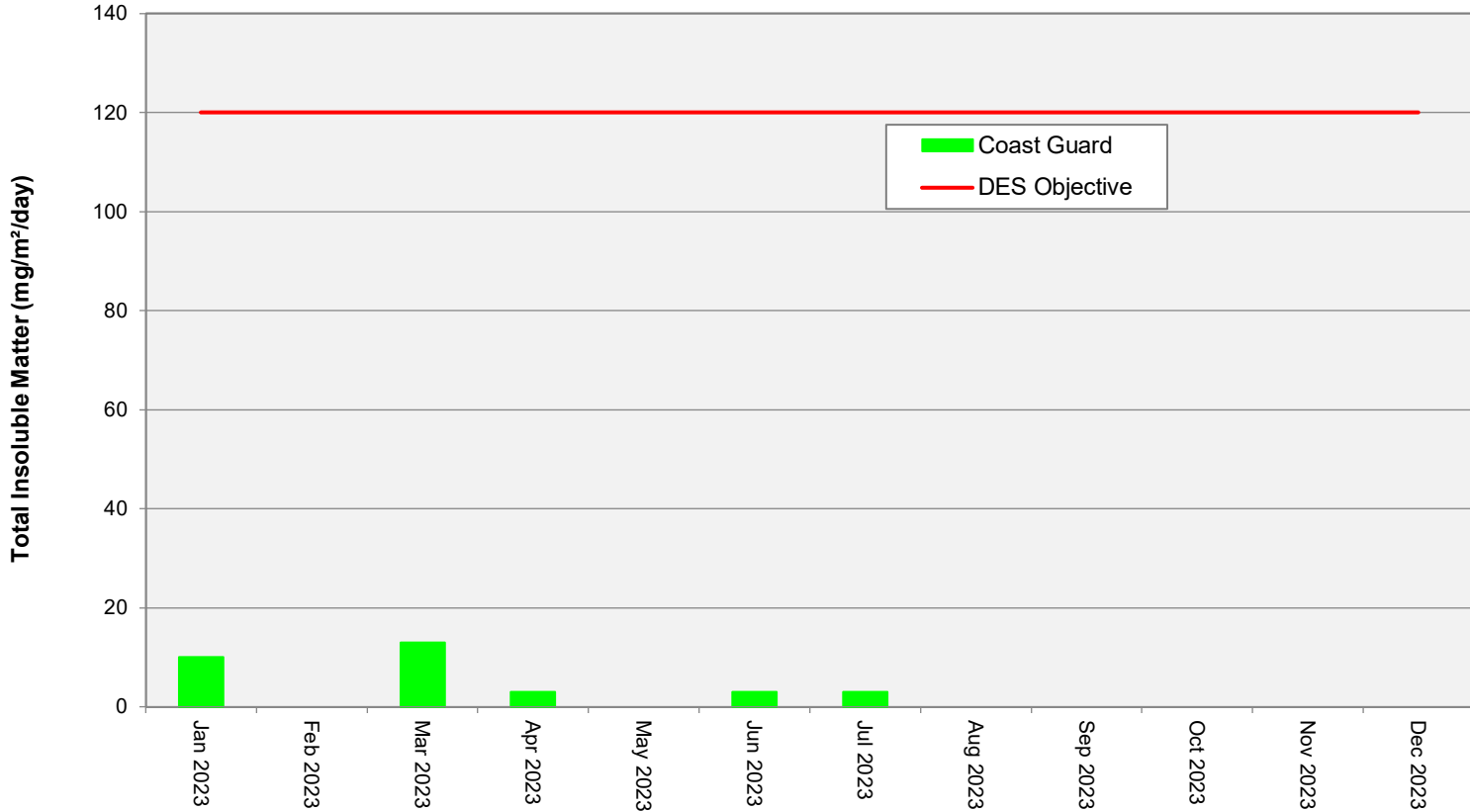
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Coast Guard Site September 2022– September 2023



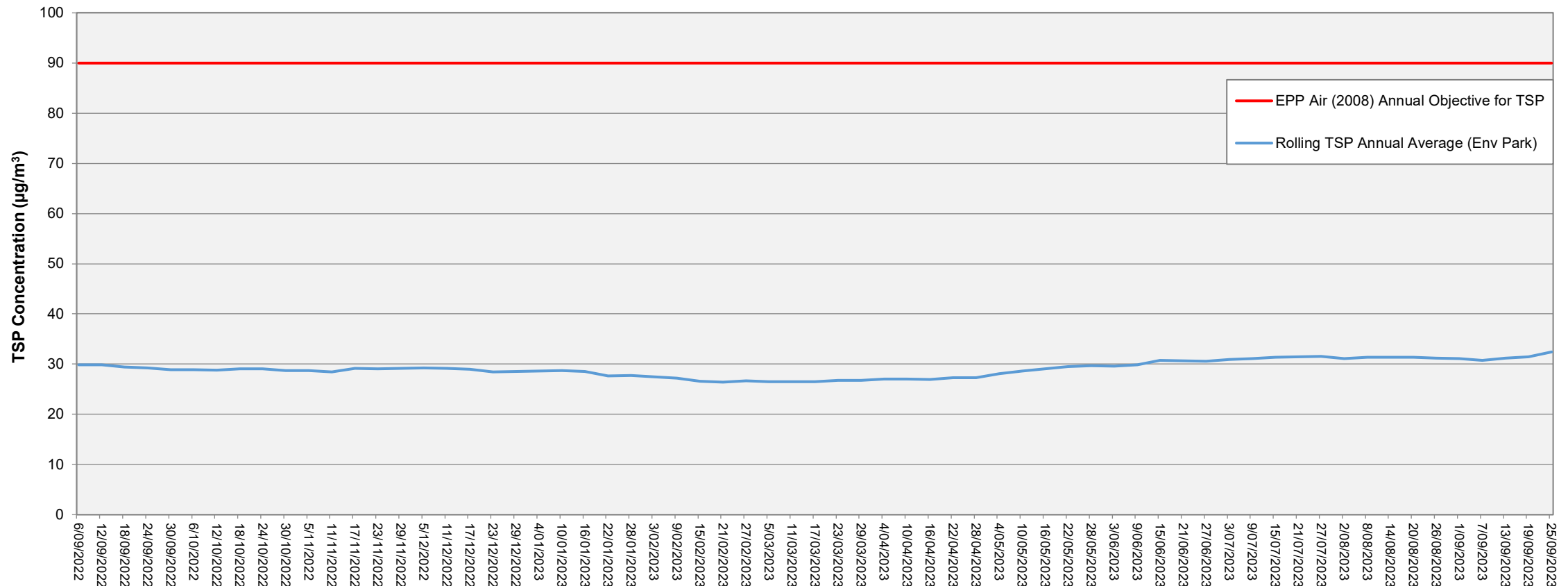
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result.

Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site 2023



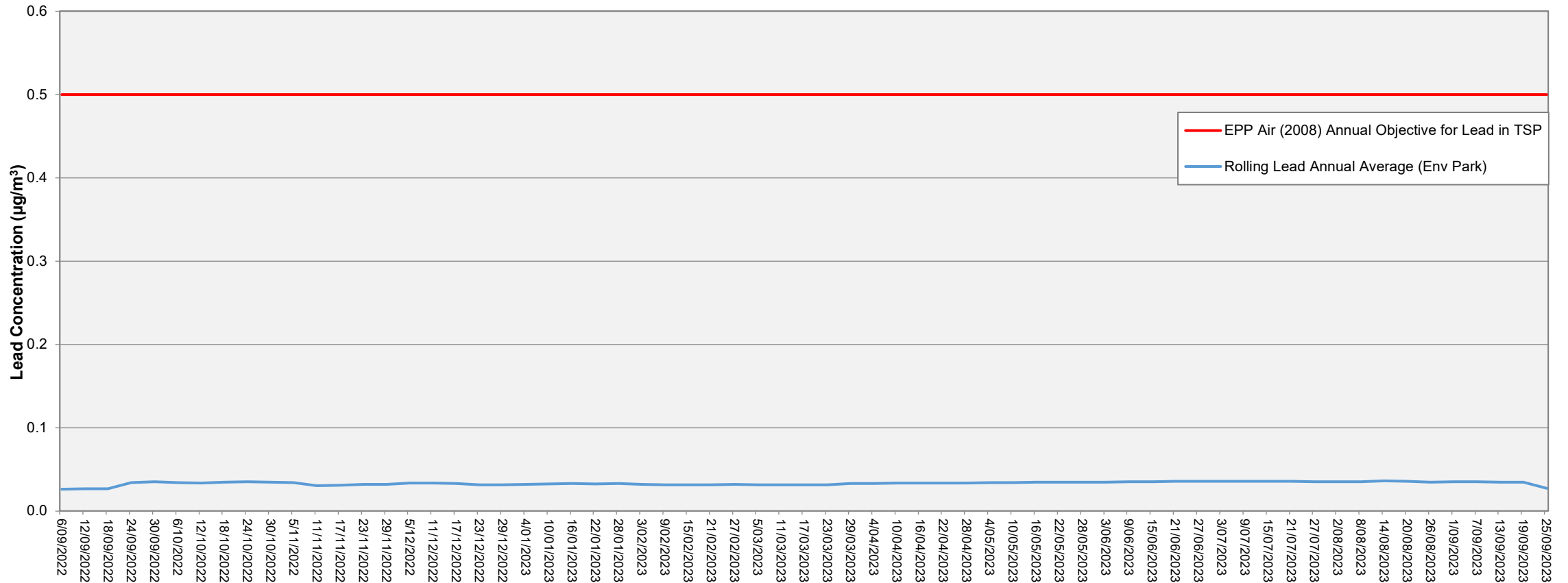
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day.
No result for February 2023 due to Laboratory error.
No result for May 2023 due to Laboratory error.
No result for August 2023 due to Coast Guard Air Station Upgrade.
No result for September 2023 due to Coast Guard Air Station Upgrade.

Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site September 2022 – September 2023



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

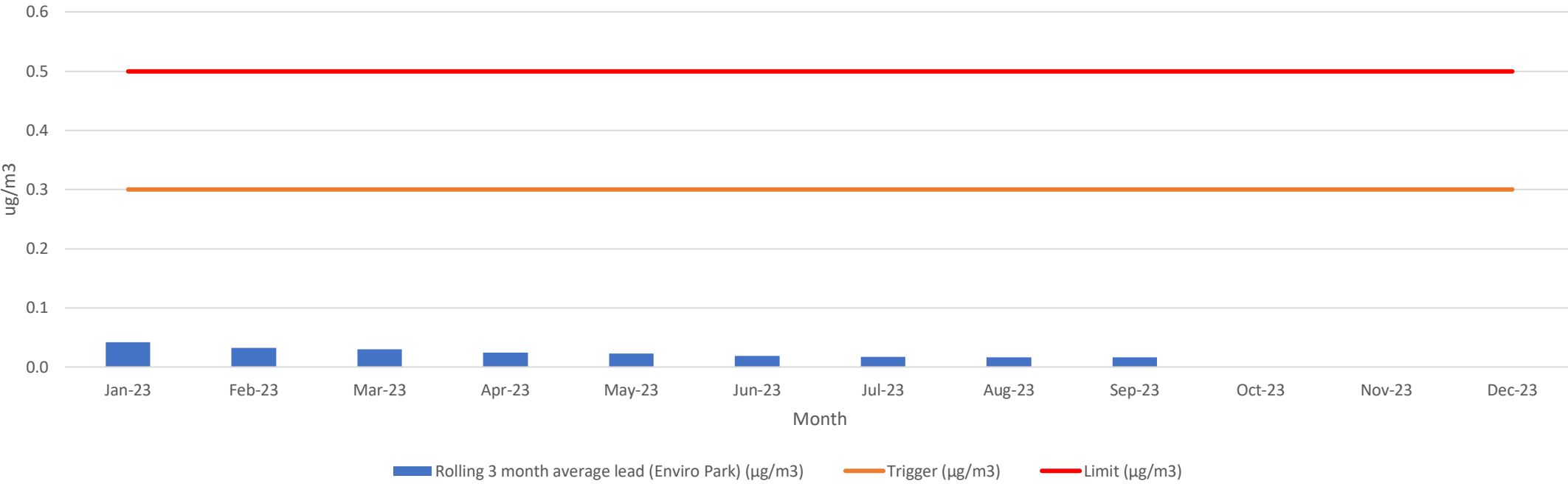
Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site September 2022 – September 2023



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

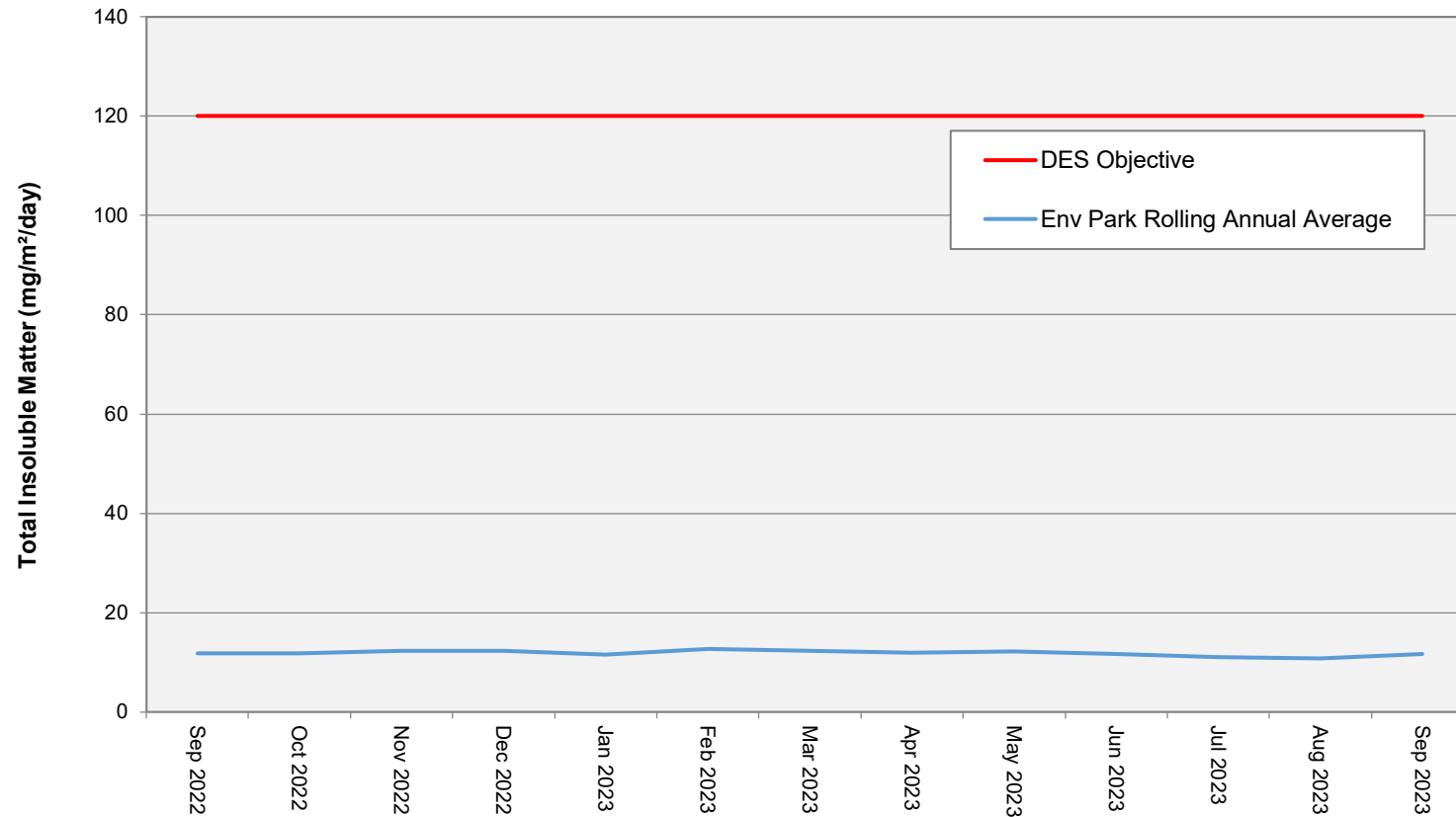
[Click here](#) for information on how to interpret this data

Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site 2023



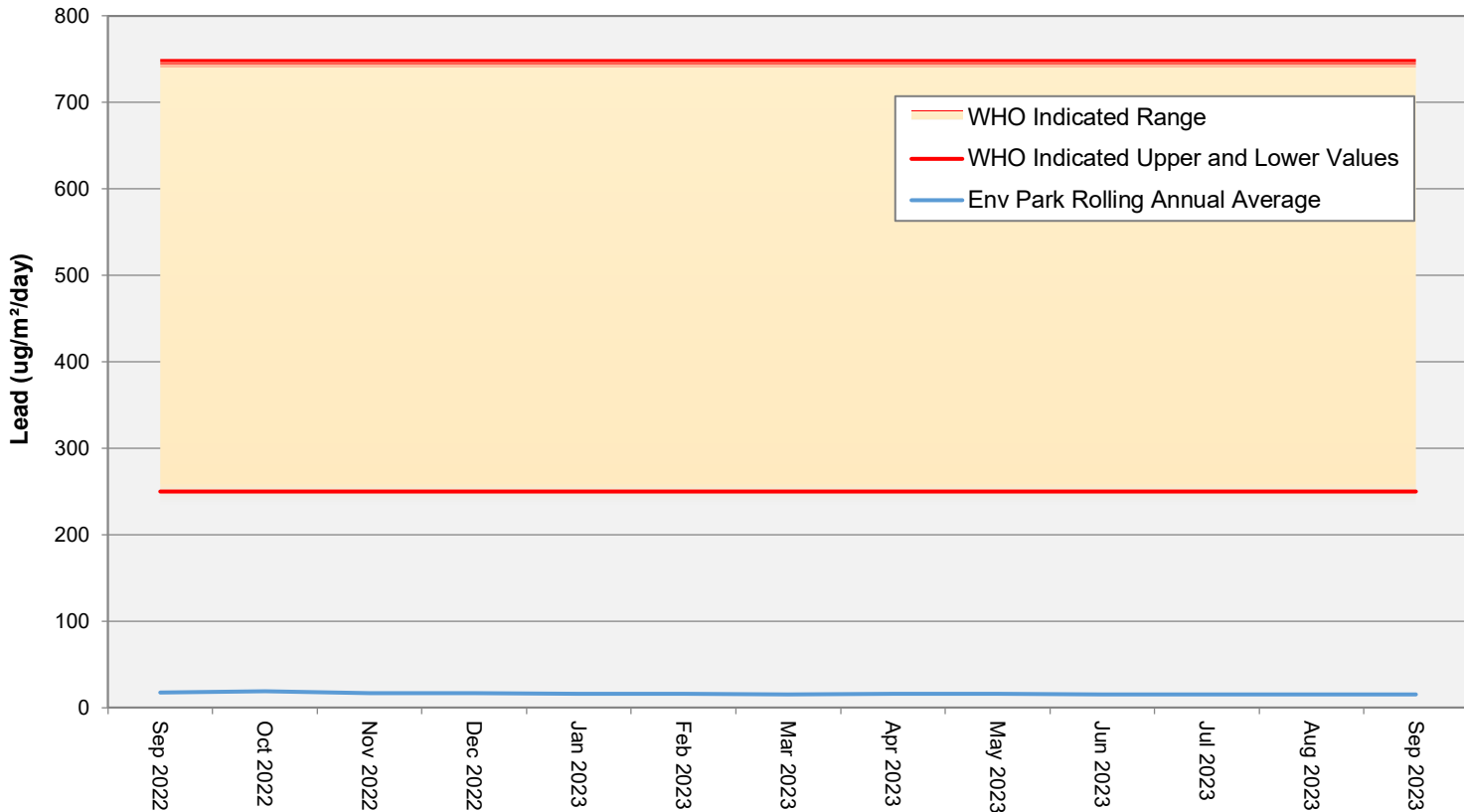
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

Dust Deposition Gauge - General dust deposition levels (monthly) at Environment Park site September 2022 – September 2023



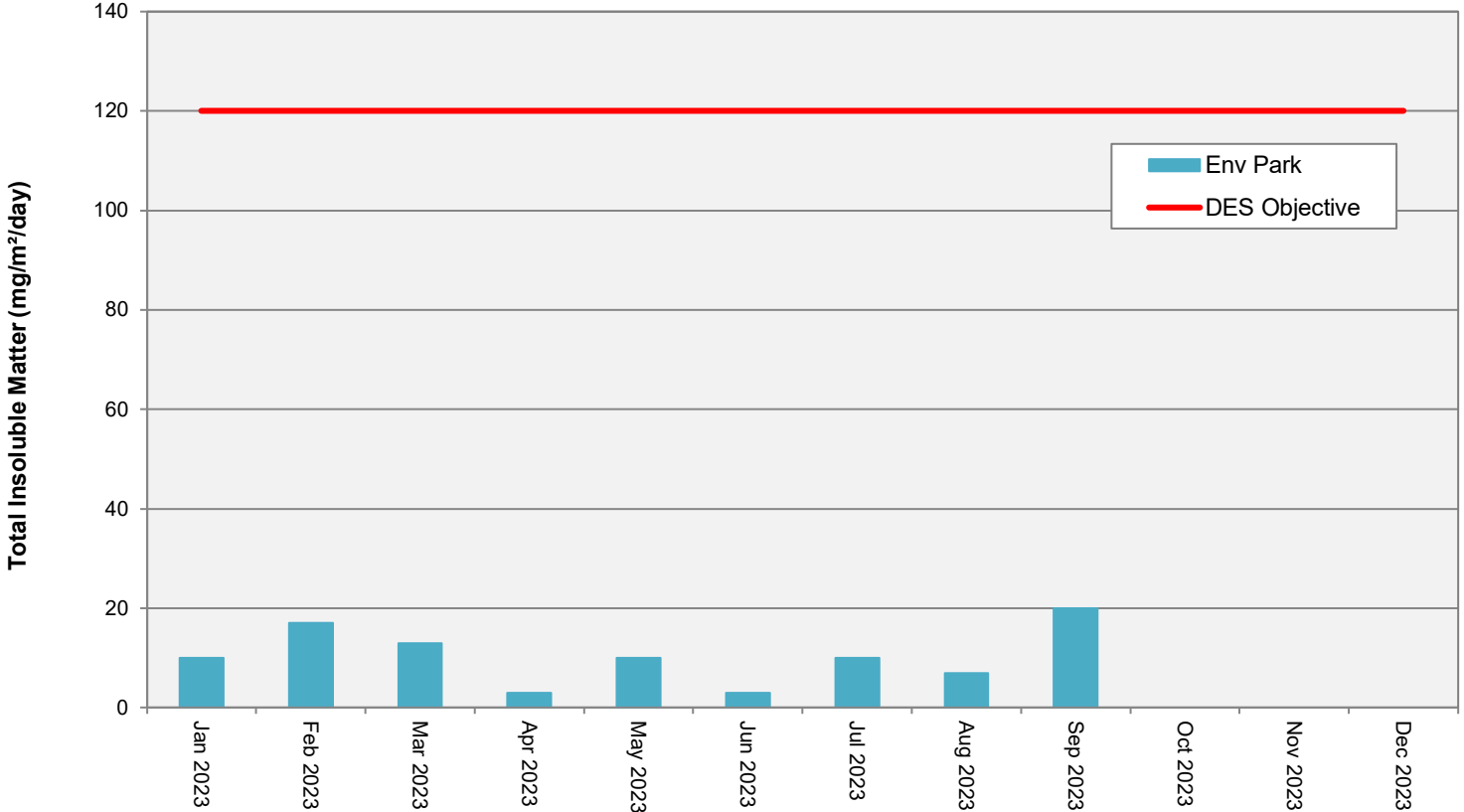
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
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Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site September 2022 – September 2023



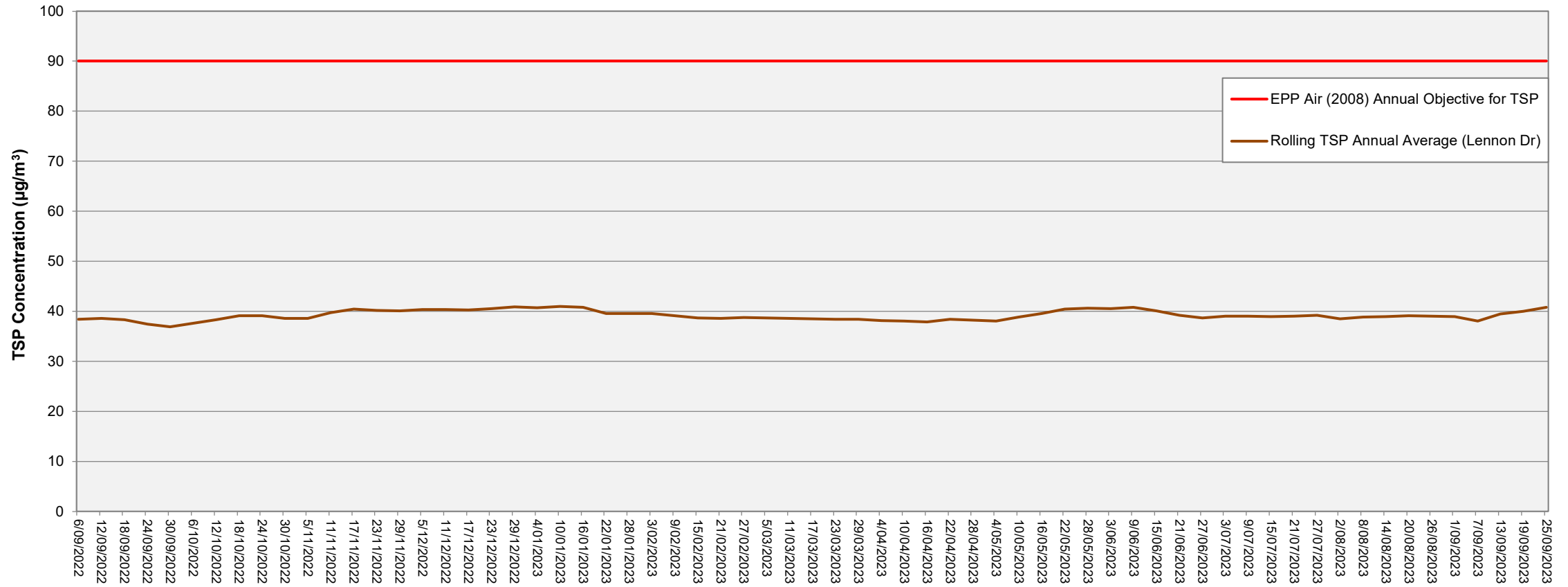
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

Dust Deposition Gauge – General dust deposition levels (monthly) at Environment Park Site 2023



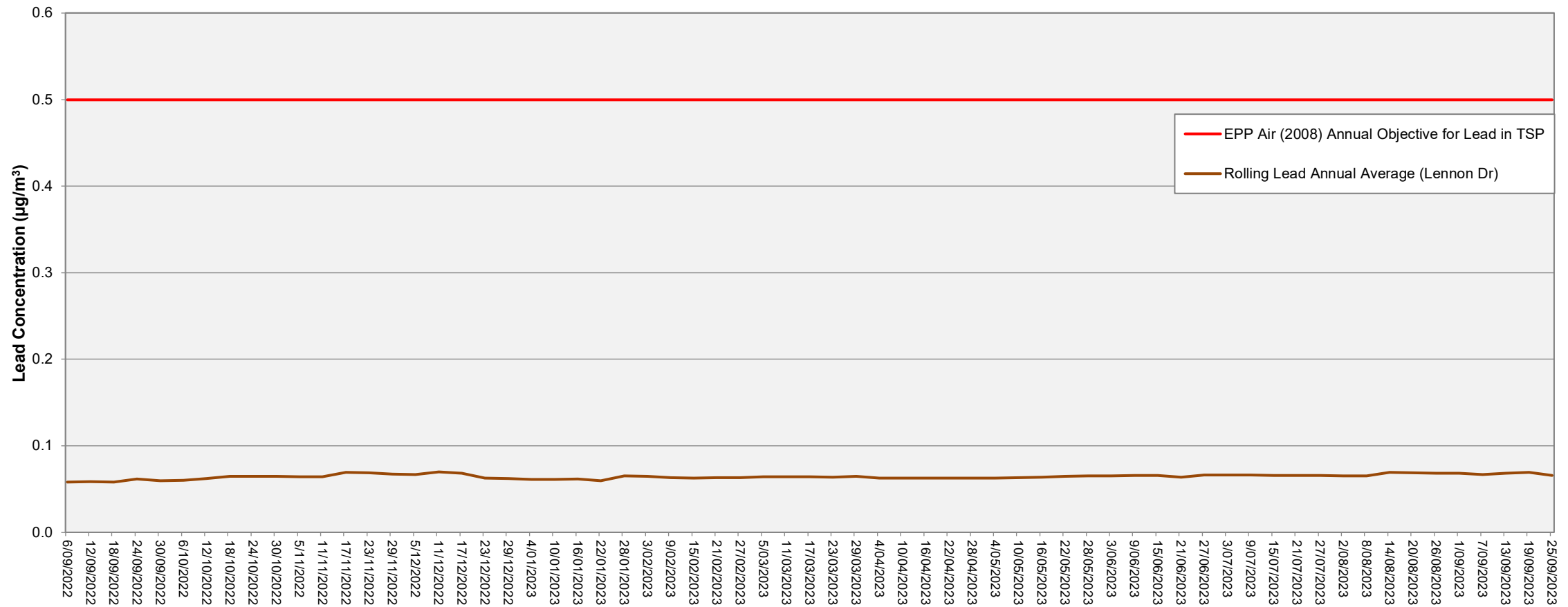
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site September 2022 – September 2023



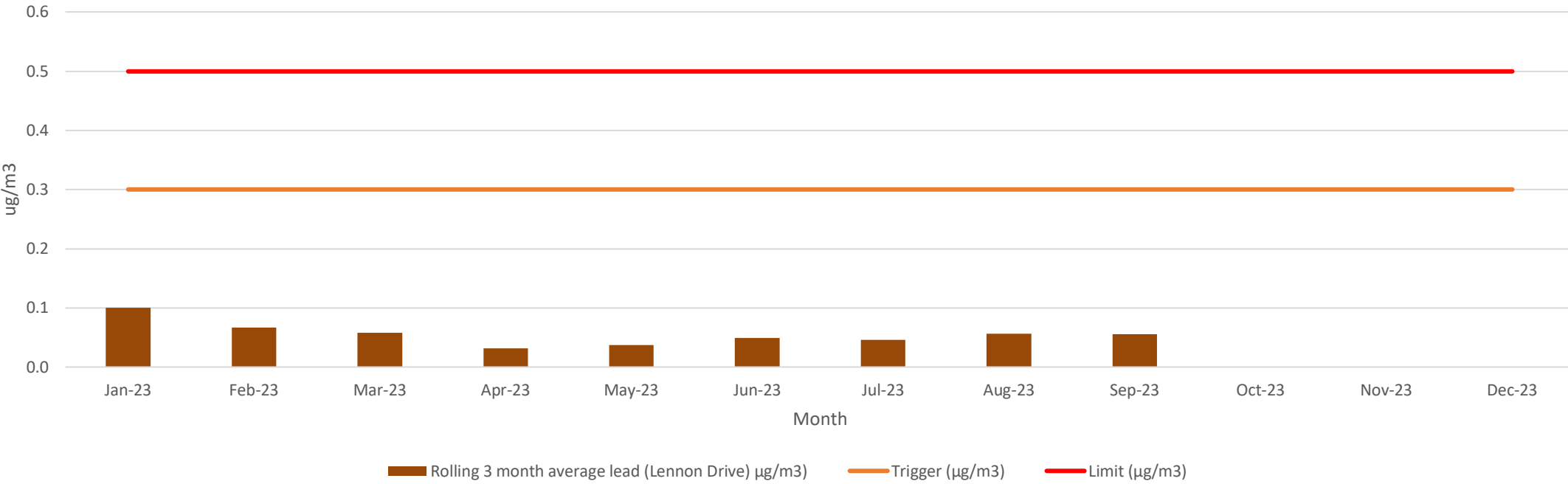
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site September 2022 – September 2023



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

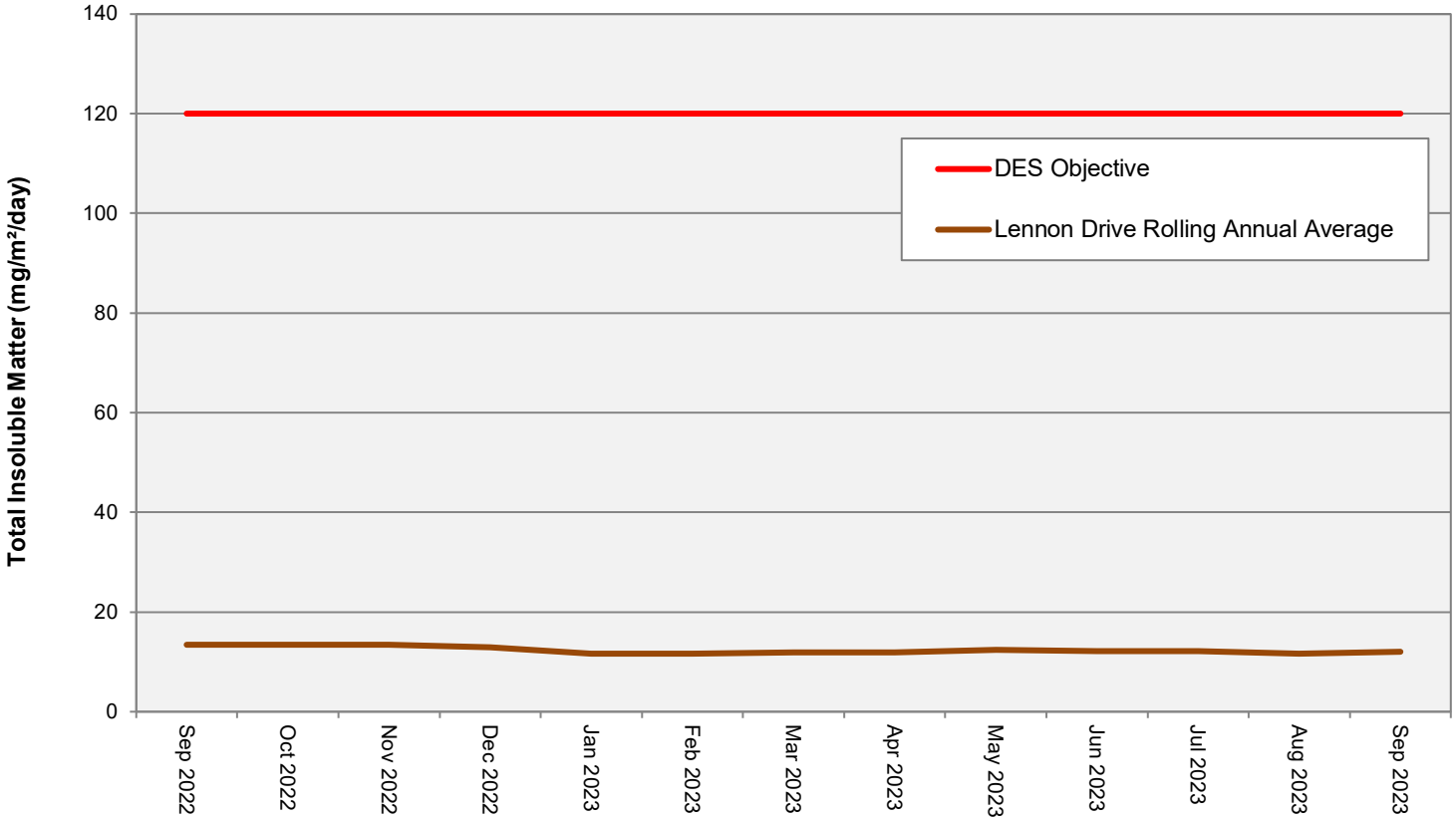
Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site 2023



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

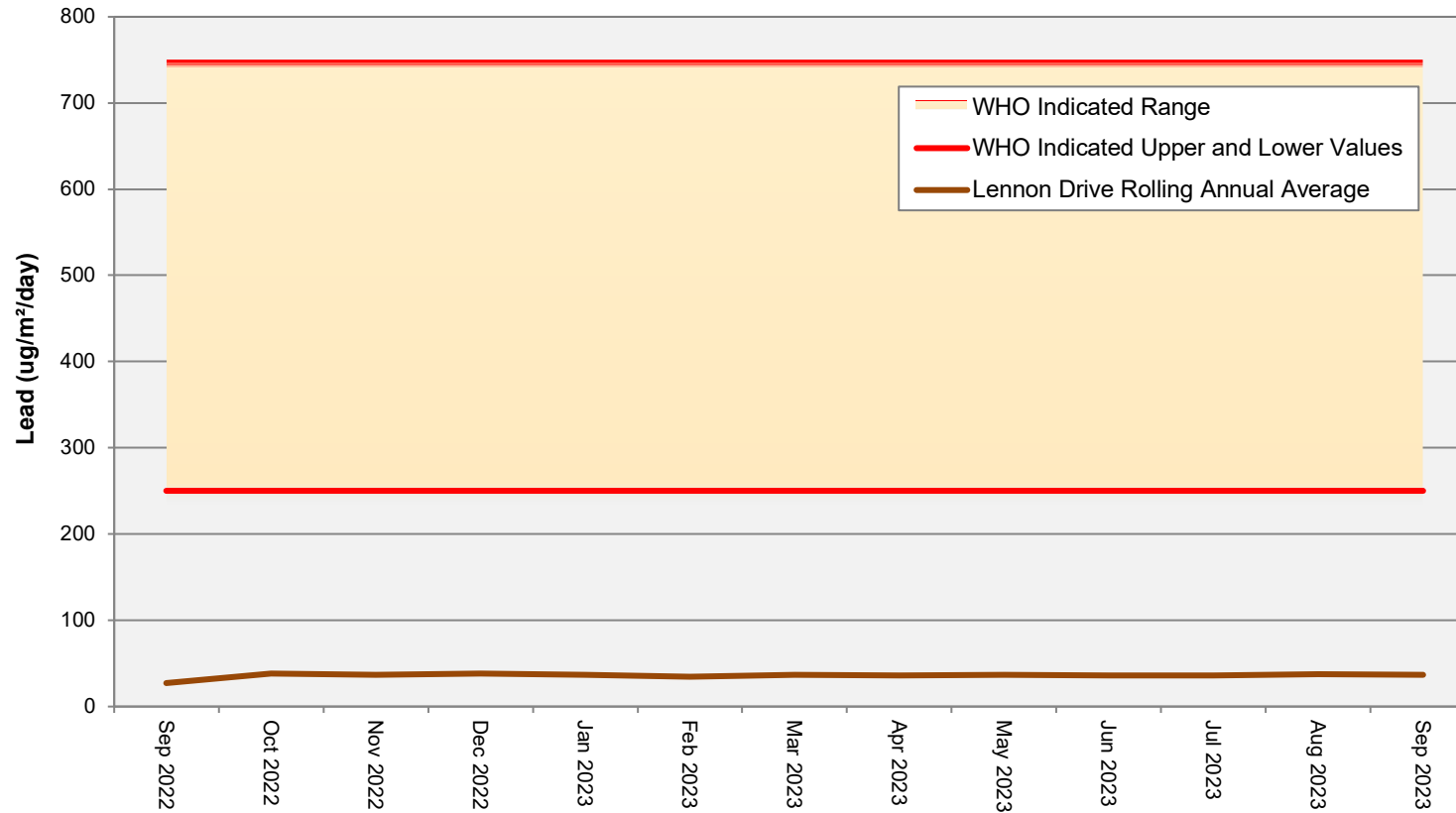
[Click here](#) for information on how to interpret this data

Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site September 2022 – September 2023



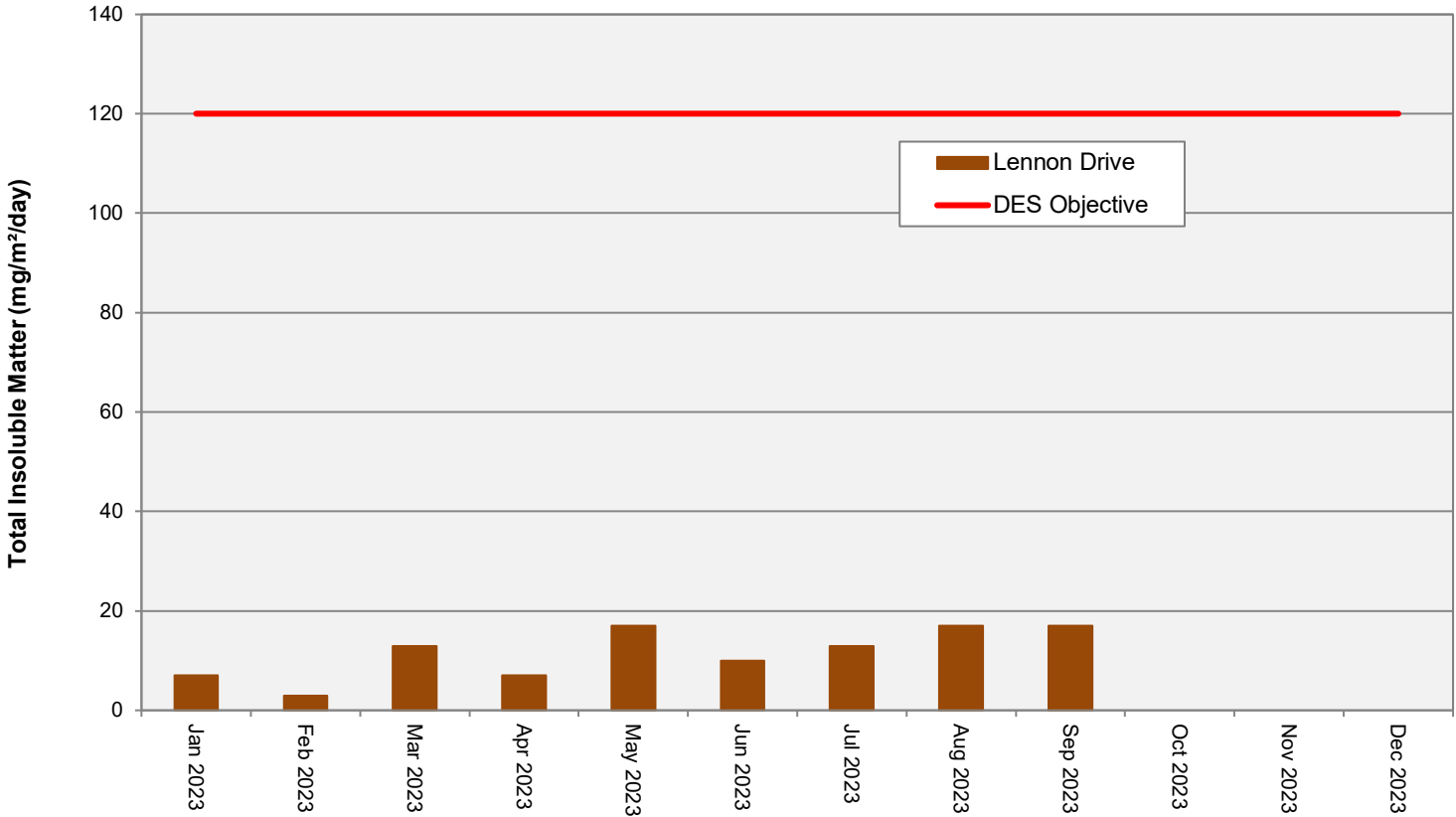
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Lennon Drive Site September 2022– September 2023



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 2023



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.