

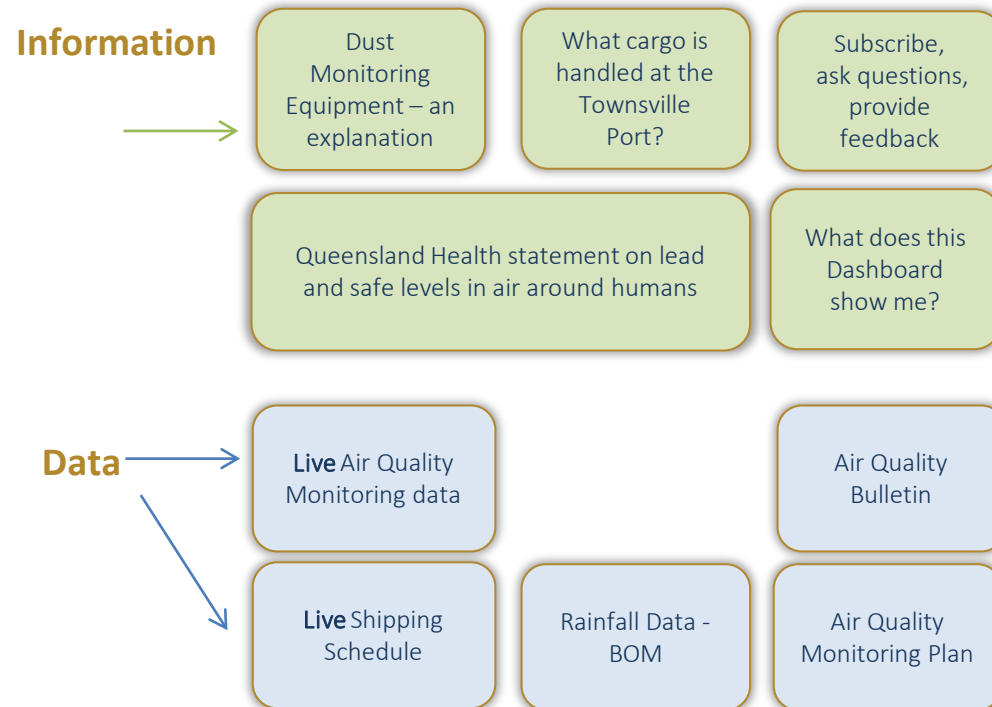
Air Quality Dashboard | February | 2024

AIR QUALITY MONITORING IN TOWNSVILLE

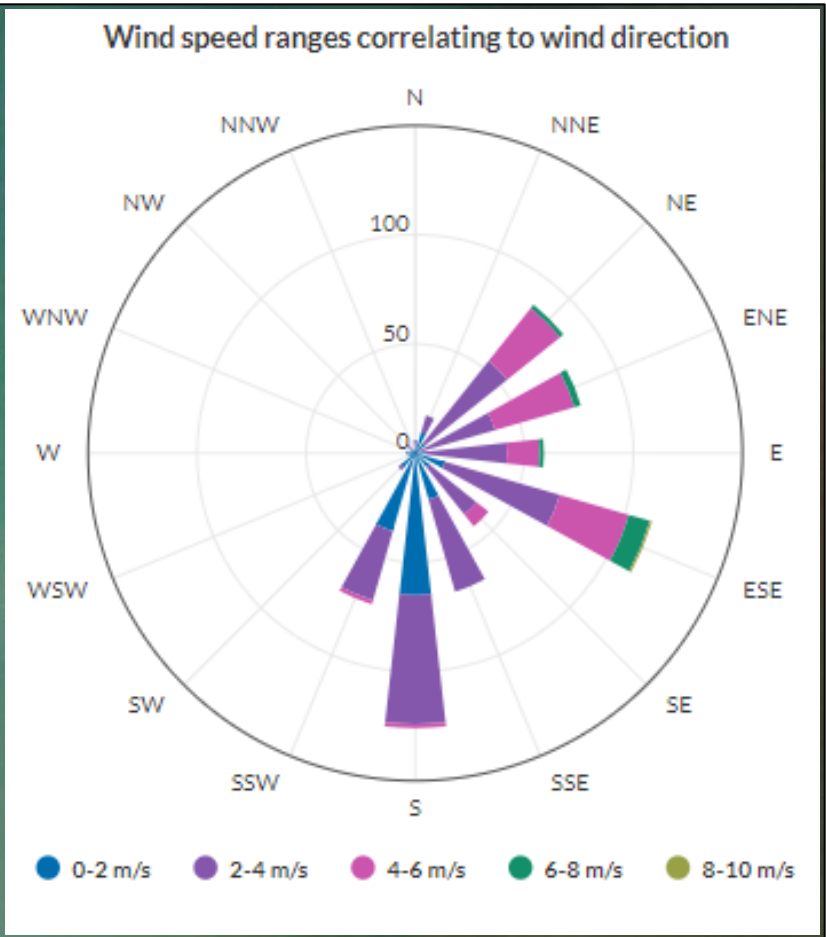
Air Quality Monitoring in Townsville is conducted separately by both the Department of Environment and Science (DES), and Port of Townsville Limited.

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

Click here to visit DES monitoring network



Air Quality Monitoring Locations



Shipping Movements in February 2024

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

Date In/Out	Vessel Name	Cargo	Berth
31 Jan 2024 - 01 Feb 2024	SUVA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
31 Jan 2024 - 01 Feb 2024	ESL WINNER	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 NTH
01 Feb 2024 - 01 Feb 2024	VOLENDAM		10
03 Feb 2024 - 03 Feb 2024	LIGNUM WEB	SUGAR (EXPORT)	9
03 Feb 2024 - 04 Feb 2024	LOTUS LEADER	MOTOR VEHICLES (IMPORT)	10
03 Feb 2024 - 05 Feb 2024	KYOWA ROSE	TYRES (IMPORT) EMPTY CONTAINERS (EXPORT)	3 NTH
03 Feb 2024 - 05 Feb 2024	ANIKITOS	SUGAR (EXPORT)	9
04 Feb 2024 - 05 Feb 2024	ANL KOKODA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
04 Feb 2024 - 06 Feb 2024	POAVOSA ACE	FERTILIZER (EXPORT)	10
05 Feb 2024 - 07 Feb 2024	MOUNT OWEN	FERTILIZER (EXPORT)	8
05 Feb 2024 - 06 Feb 2024	RIGEL LEADER	MOTOR VEHICLES (IMPORT)	4
05 Feb 2024 - 06 Feb 2024	MORNING GLORY	FUELS (IMPORT)	1
05 Feb 2024 - 06 Feb 2024	OCEAN RALLY	CONCENTRATES (EXPORT)	3 STH
06 Feb 2024 - 07 Feb 2024	MAPLE BREEZE	SUGAR (EXPORT)	9
06 Feb 2024 - 08 Feb 2024	EIDSVAAG OMEGA	GENERAL CARGO (IMPORT)	10
07 Feb 2024 - 10 Feb 2024	DOLFIJNGRACHT	COPPER ANODE (IMPORT)	3 NTH
08 Feb 2024 - 09 Feb 2024	REGAL RACHEL	CONCENTRATES (EXPORT)	8
09 Feb 2024 - 12 Feb 2024	ADF		10
11 Feb 2024 - 14 Feb 2024	TORVANGER	FUELS (IMPORT)	1
12 Feb 2024 - 14 Feb 2024	PATAGONIA	FERTILIZER (EXPORT)	8
14 Feb 2024 - 15 Feb 2024	STI GRAMERCY	FUELS (IMPORT)	1
14 Feb 2024 - 15 Feb 2024	KOTA GABUNG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
15 Feb 2024 - 15 Feb 2024	NORD VALKYRIE	FUELS (IMPORT)	1
15 Feb 2024 - 15 Feb 2024	GREYMAN EXPRESS	CATTLE (EXPORT)	10
15 Feb 2024 - 15 Feb 2024	IRIS ACE	MOTOR VEHICLES (IMPORT)	3 STH
15 Feb 2024 - 18 Feb 2024	LUGA	CEMENT (IMPORT)	4
18 Feb 2024 - 18 Feb 2024	SILVER WHISPER		10
18 Feb 2024 - 19 Feb 2024	GOLDEN PRELUDE	FUELS (IMPORT)	1

Date In/Out	Vessel Name	Cargo	Berth
19 Feb 2024 - 22 Feb 2024	AFRICAN FINCH	SULPHUR (IMPORT)	10
19 Feb 2024 - 21 Feb 2024	FLORA DELMAS	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
21 Feb 2024 - 23 Feb 2024	SARITA NAREE	LEAD INGOTS (EXPORT)	3 STH
22 Feb 2024 - 22 Feb 2024	VIKING CORAL	MOTOR VEHICLES (IMPORT)	4
22 Feb 2024 - 23 Feb 2024	THERESA MICRONESIA	MOLASSES (EXPORT)	8
23 Feb 2024 - 23 Feb 2024	INCE POINT	FERTILIZER (IMPORT)	10
23 Feb 2024 - 26 Feb 2024	ADF	ARMY EQUIPMENT (IMPORT)	9
23 Feb 2024 - 25 Feb 2024	INCE POINT	FERTILIZER (IMPORT)	8
23 Feb 2024 - 26 Feb 2024	DL LAVENDER	LEAD CONCENTRATES (EXPORT)	4
24 Feb 2024 - 26 Feb 2024	SILVER EBALINA	FUELS (IMPORT)	1
25 Feb 2024 - 25 Feb 2024	SEABOURN SOJOURN		10
26 Feb 2024 - 27 Feb 2024	SOUTHERN HIGHWAY	MOTOR VEHICLES (IMPORT)	10
26 Feb 2024 - 27 Feb 2024	BLUE BUTTERFLY	FUELS (IMPORT)	1
26 Feb 2024 - 27 Feb 2024	YANGTZE AMBITION	CONCENTRATES (EXPORT)	3 STH
27 Feb 2024 - 28 Feb 2024	GLOUCESTER EXPRESS	CATTLE (EXPORT)	4
27 Feb 2024 - 27 Feb 2024	SEABOURN ODYSSEY		10
27 Feb 2024 - 28 Feb 2024	GOLDEN LEADER	FUELS (IMPORT)	1
27 Feb 2024 - 27 Feb 2024	GALLOWAY EXPRESS	CATTLE (EXPORT)	3 NTH
27 Feb 2024 - 28 Feb 2024	GALLOWAY EXPRESS	CATTLE (EXPORT)	3 NTH
28 Feb 2024 - 29 Feb 2024	LAUTOKA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4



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

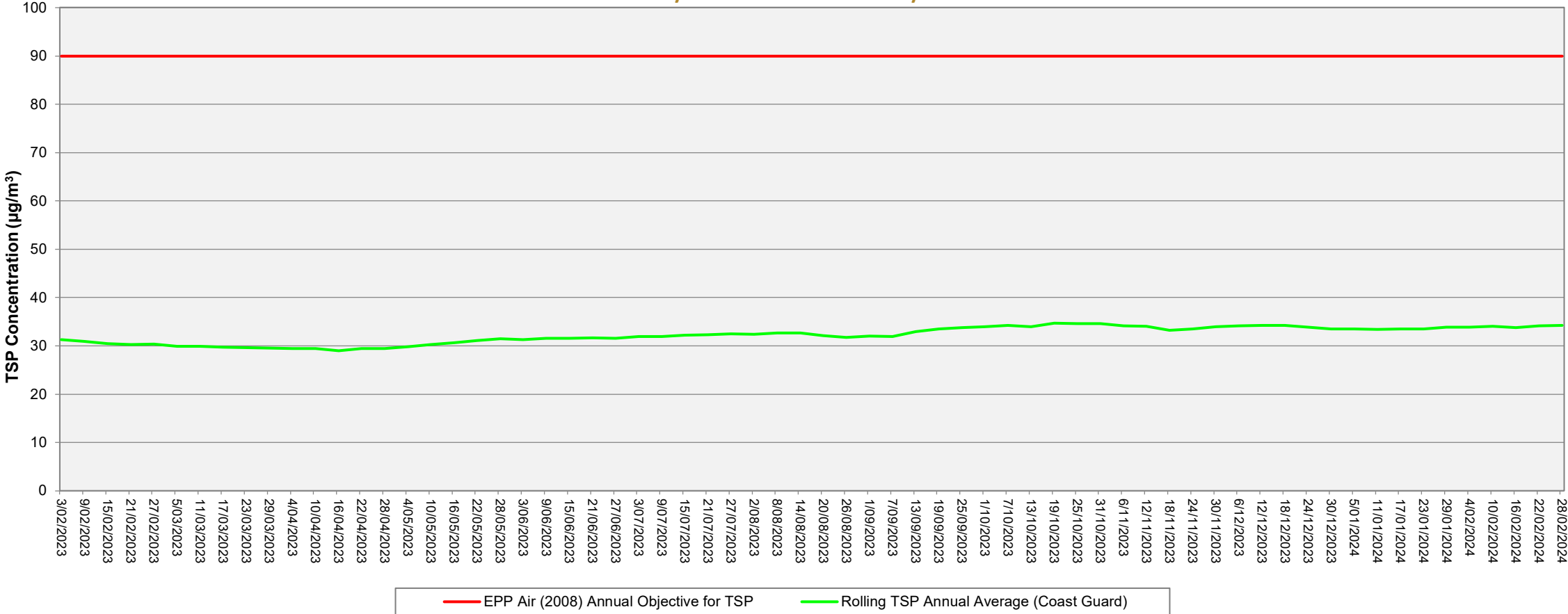
Phone 07 4781 1500 and asked to be added to the list.

Ask a Question / Provide Feedback

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

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

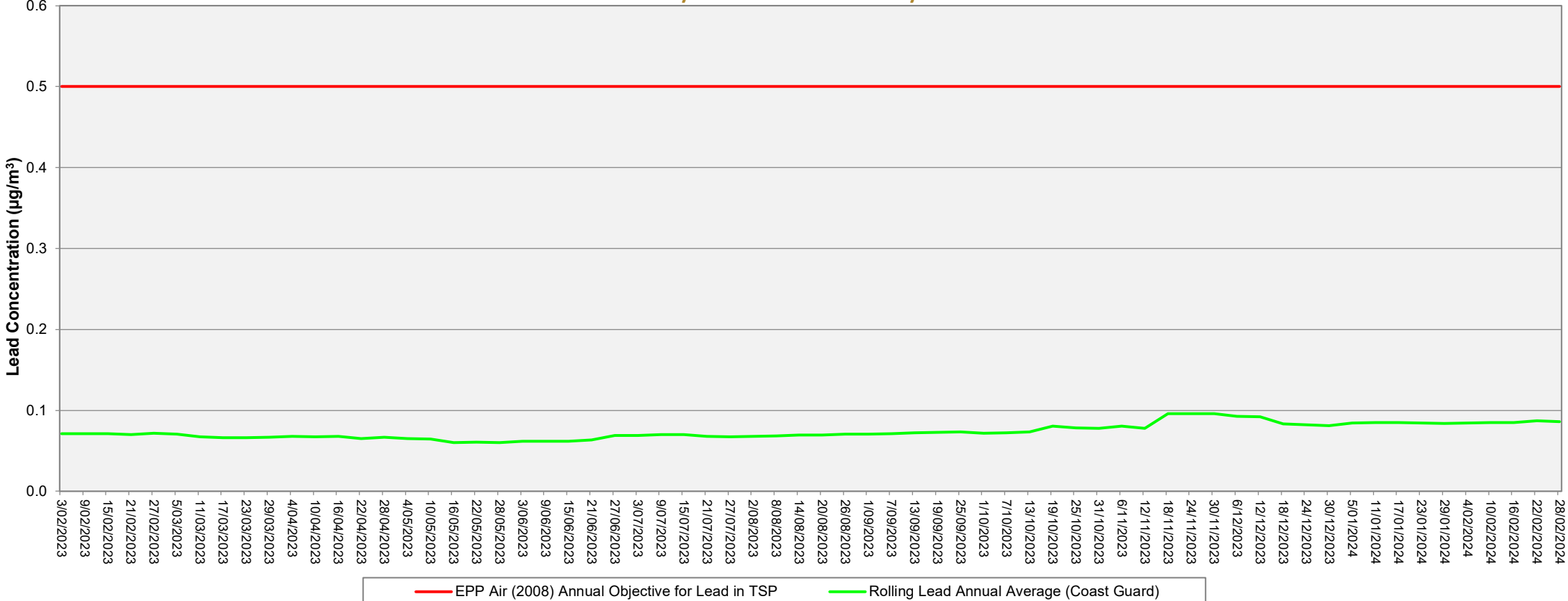
Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site February 2023 – February 2024



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
No data available for 29/01/2024 due to filter being damaged by rain during Cyclone

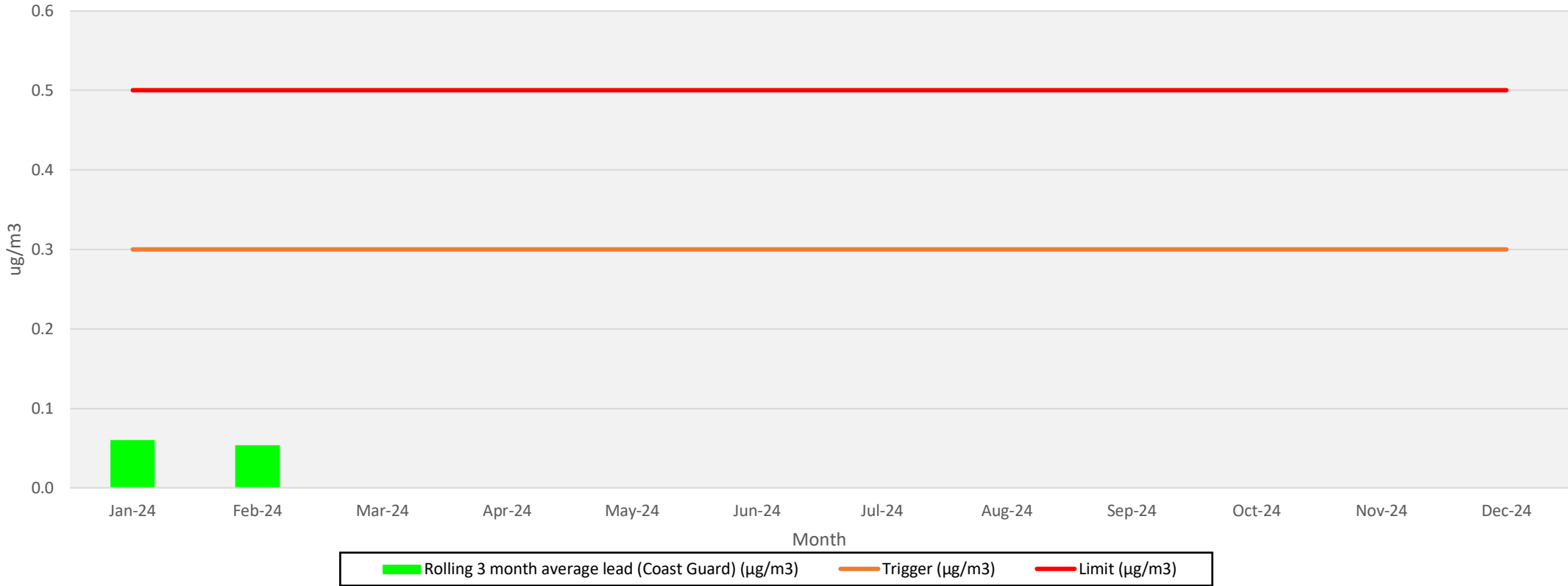
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Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site February 2023 – February 2024



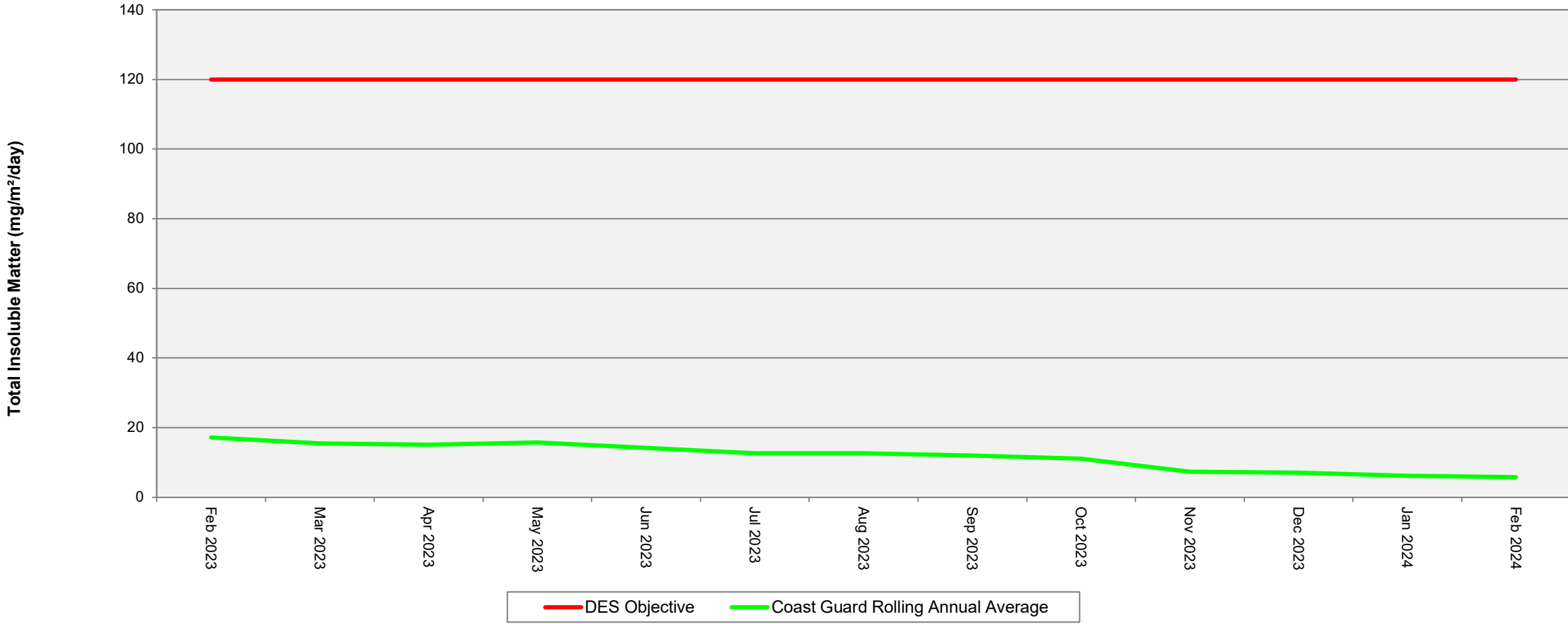
Note: Lead Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



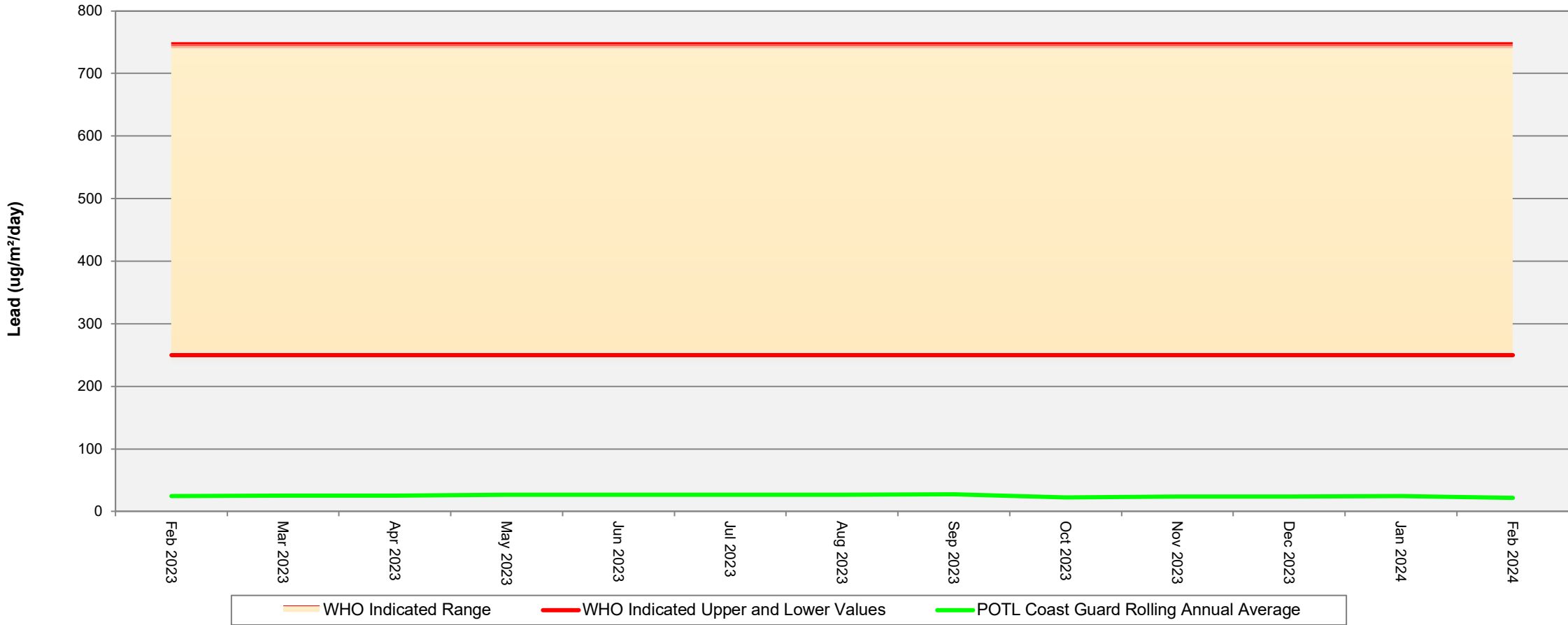
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result
No data available for 29/01/2024 due to filter being damaged by rain during Cyclone

Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site February 2023 – February 2024



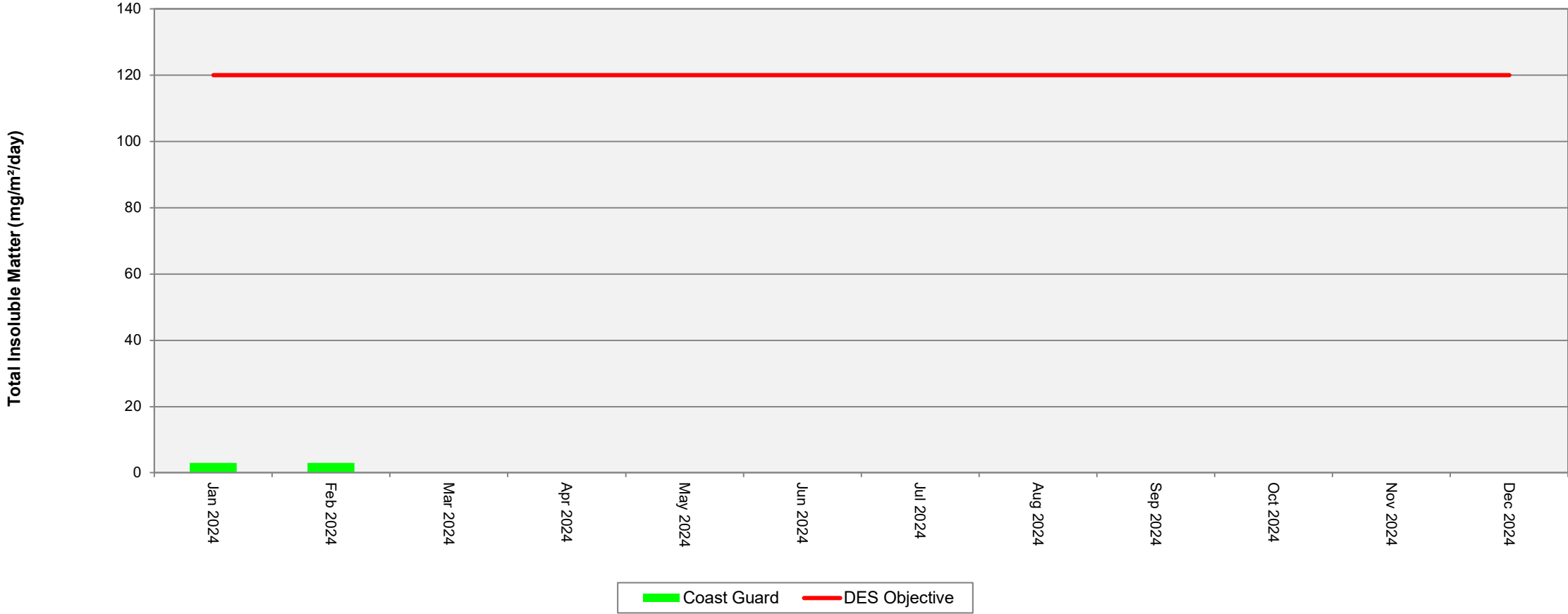
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Coast Guard Site February 2023 – February 2024



Note: Lead Concentration units = micrograms per square metre per day
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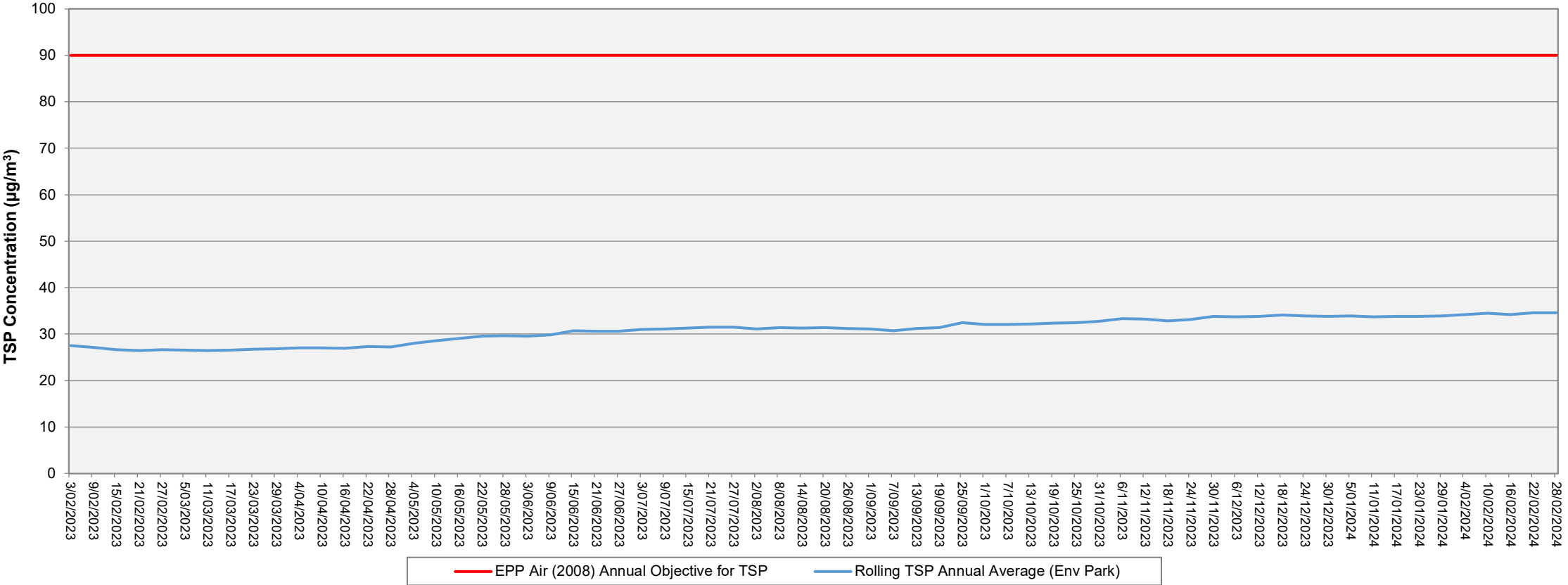
Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site 2024



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

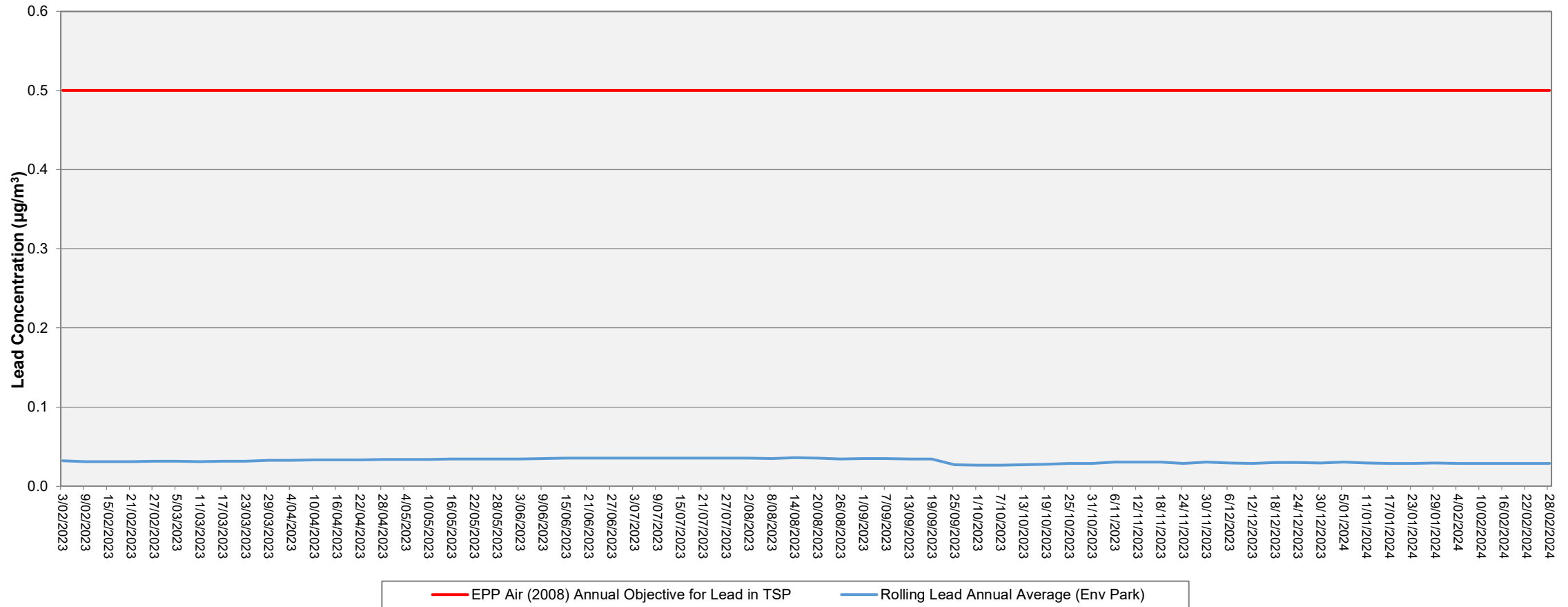
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Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site February 2023 – February 2024



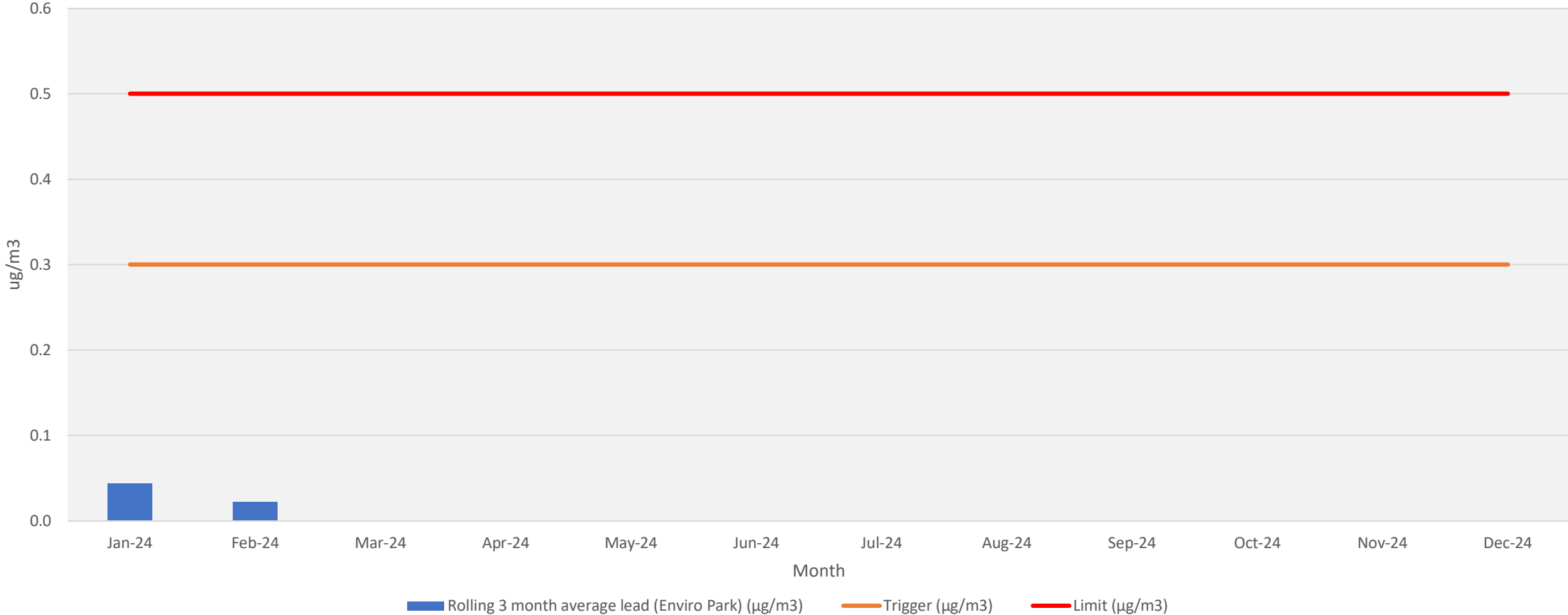
Note: TSP Concentration units = micrograms per cubic metre per 24-hour period
Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site February 2023 – February 2024



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

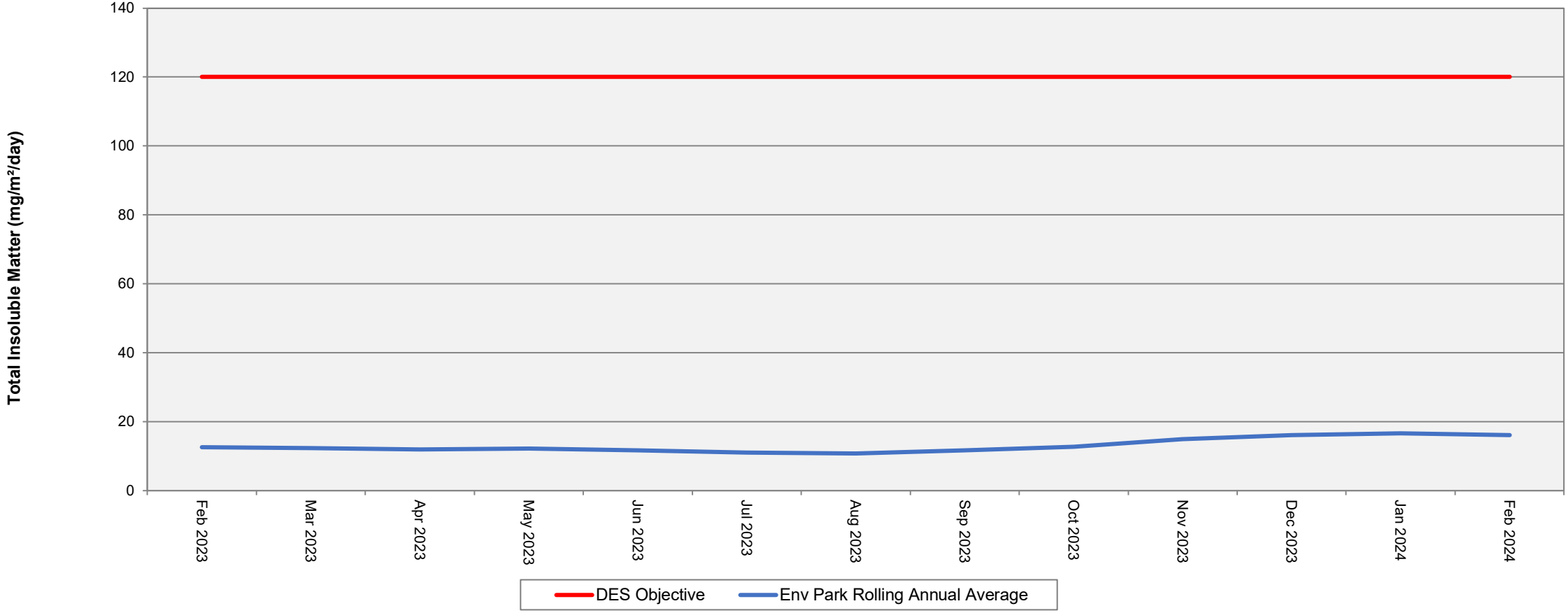
Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site 2024



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

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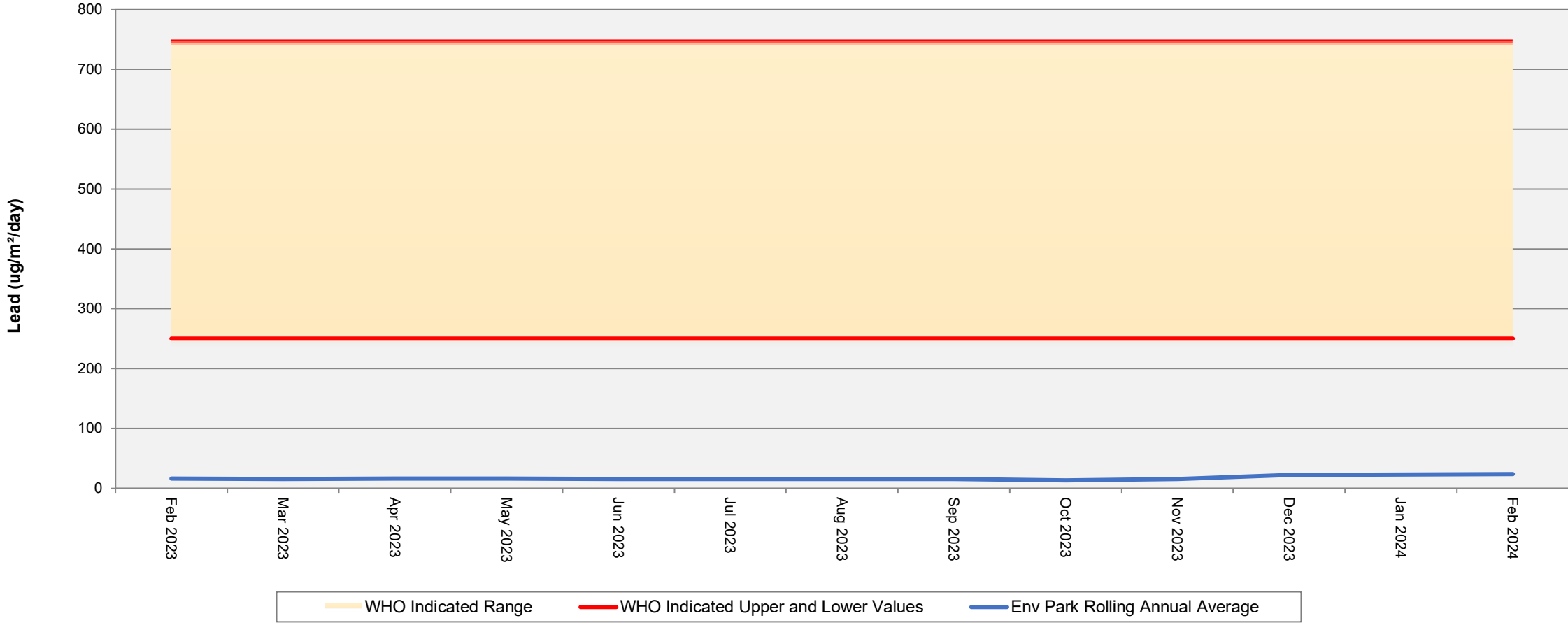
Dust Deposition Gauge - General dust deposition levels (monthly) at Environment Park site February 2023 – February 2024



Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
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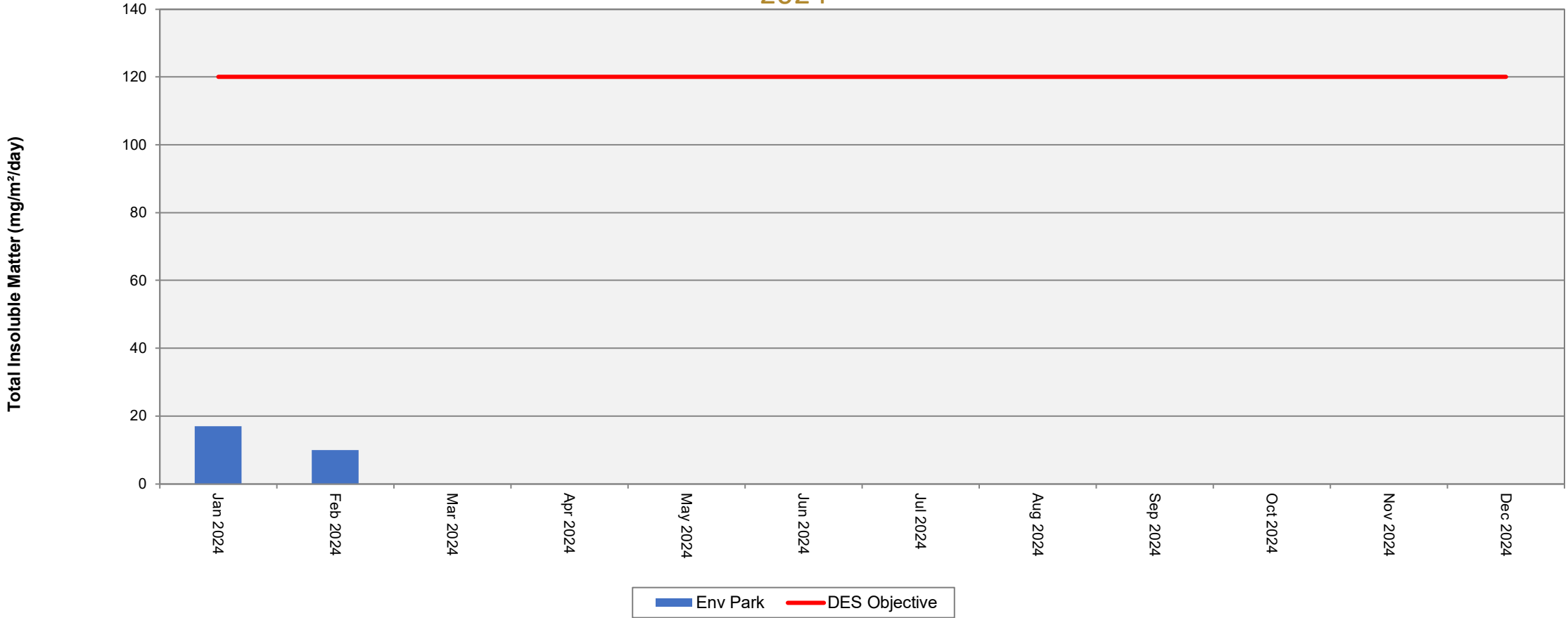
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Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site February 2023 – February 2024



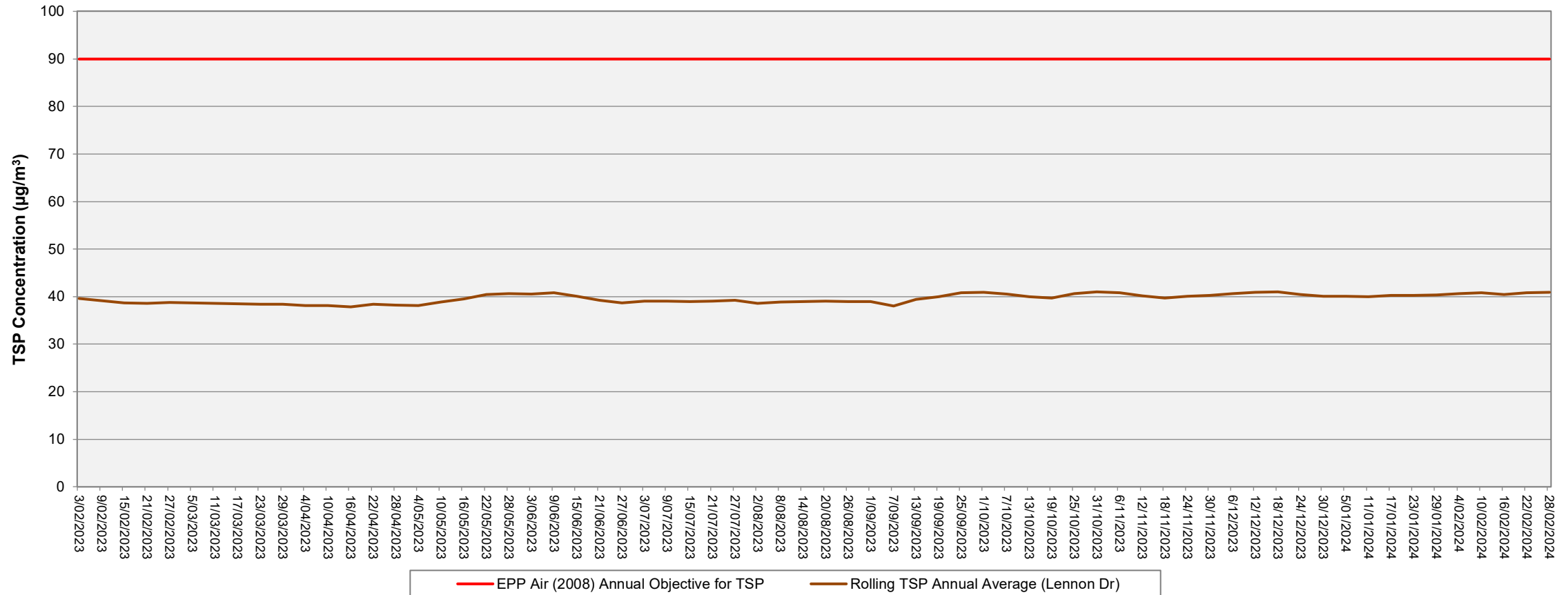
Note: Lead Concentration units = micrograms per square metre per day
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Dust Deposition Gauge – General dust deposition levels (monthly) at Environment Park Site 2024



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

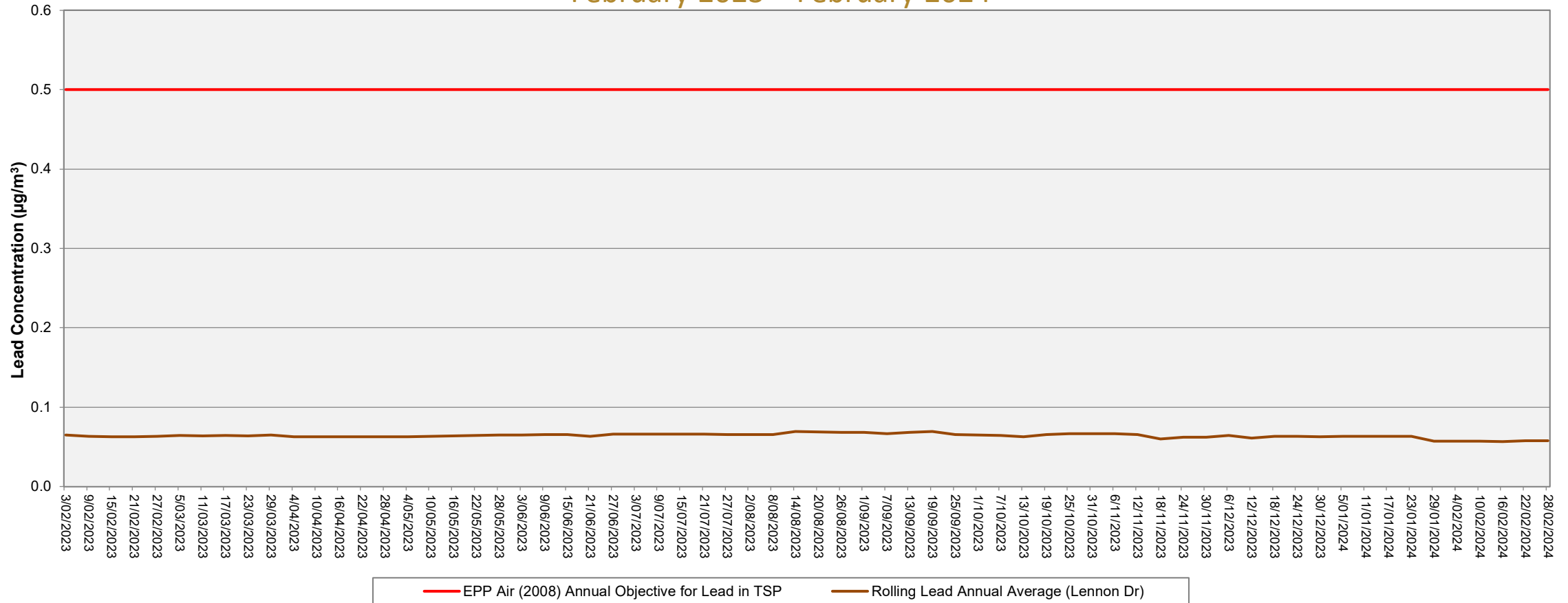
Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site February 2023 – February 2024



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

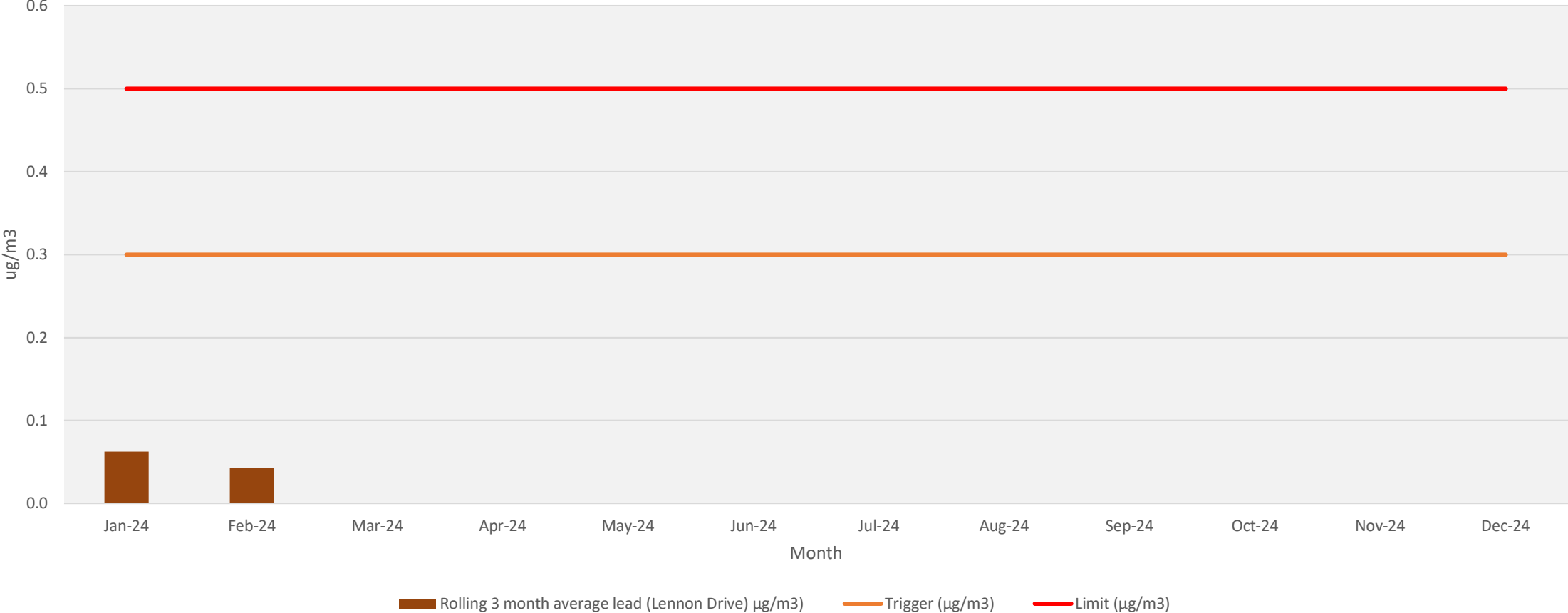
Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site February 2023 – February 2024



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

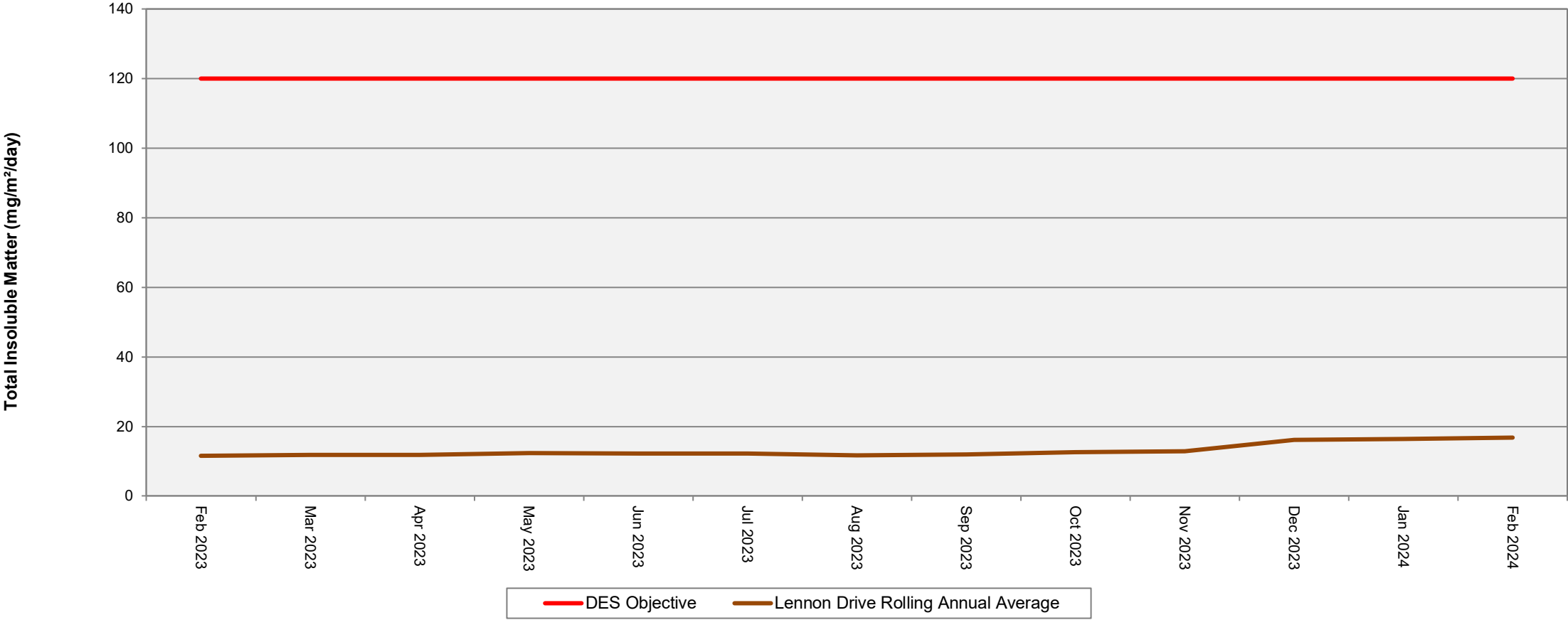
Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site 2024



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

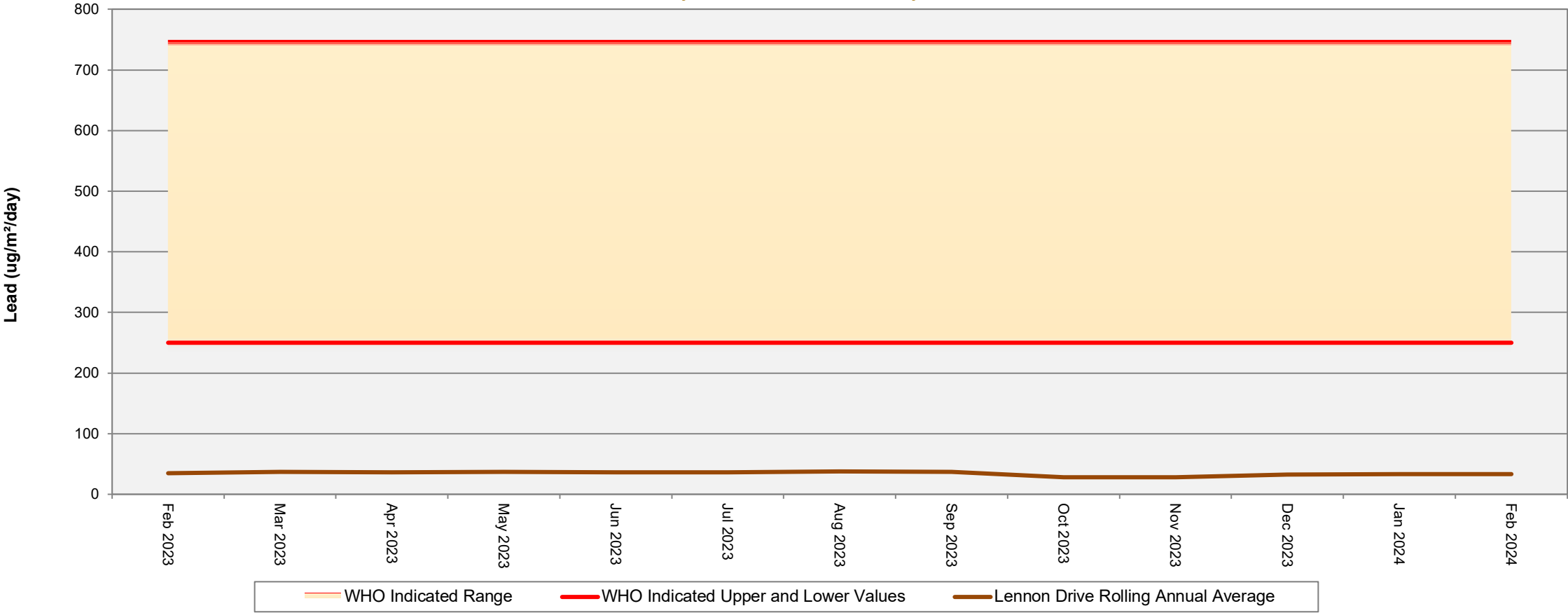
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Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site February 2023 – February 2024



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

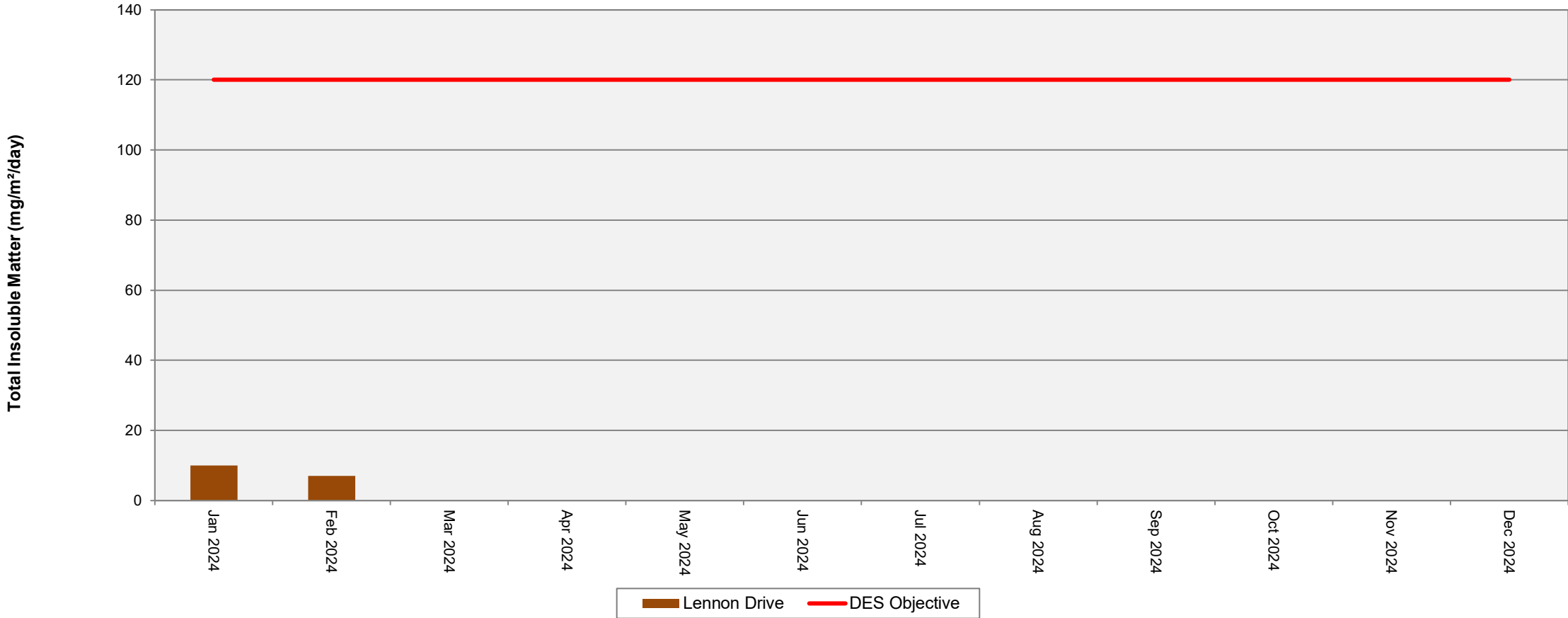
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Lennon Drive Site February 2023 – February 2024



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



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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 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.