

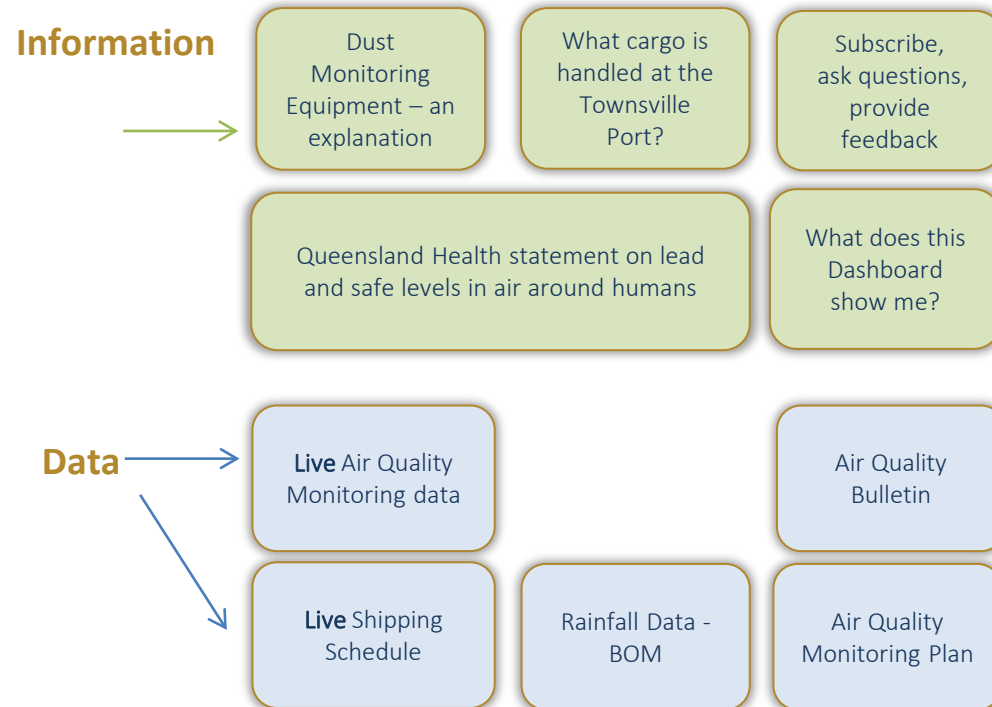
Air Quality Dashboard | February | 2023

AIR QUALITY MONITORING IN TOWNSVILLE

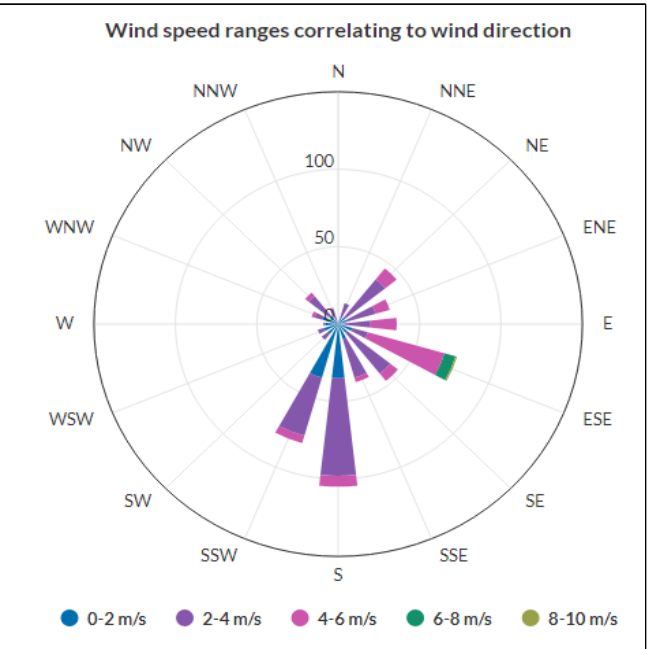
Air Quality Monitoring in Townsville is conducted separately by both the Department of Environment and Science (DES), and Port of Townsville Limited.

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 2023

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

Date In/Out	Vessel Name	Cargo	Berth
29 Jan 2023 - 02 Feb 2023	HIGH TIDE	FUELS (IMPORT)	1
30 Jan 2023 - 01 Feb 2023	DOLFIJNGRACHT	ZINC FERRITES (EXPORT)	10
02 Feb 2023 - 02 Feb 2023	ADF		10
03 Feb 2023 - 03 Feb 2023	CONTSHIP YEN	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
03 Feb 2023 - 03 Feb 2023	AMERA		10
04 Feb 2023 - 05 Feb 2023	NADI CHIEF		4
04 Feb 2023 - 07 Feb 2023	ANL DHAMBI	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
05 Feb 2023 - 05 Feb 2023	GOLDEN CHIE	FUELS (IMPORT)	1
05 Feb 2023 - 08 Feb 2023	AEOLOS	ZINC CONCENTRATES (EXPORT)	8
08 Feb 2023 - 09 Feb 2023	GENIUS HIGHWAY	MOTOR VEHICLES (IMPORT)	4
08 Feb 2023 - 10 Feb 2023	AEOLOS	ZINC CONCENTRATES (EXPORT)	3 STH
09 Feb 2023 - 12 Feb 2023	POWAN	FERTILIZER (EXPORT)	8
09 Feb 2023 - 10 Feb 2023	SILVER MUSE		10
10 Feb 2023 - 13 Feb 2023	PACIFIC CONDOR	TYRES (IMPORT) COPPER ANODE (EXPORT)	3 NTH
11 Feb 2023 - 12 Feb 2023	JAWAN	CATTLE (EXPORT)	10
11 Feb 2023 - 13 Feb 2023	AAL SHANGHAI	METAL PIPES (IMPORT)	4
12 Feb 2023 - 12 Feb 2023	MAERSK CAPRI	FUELS (IMPORT)	1
12 Feb 2023 - 14 Feb 2023	IKIGAI	FUELS (IMPORT)	1
13 Feb 2023 - 13 Feb 2023	ELEGANT ACE	MOTOR VEHICLES (IMPORT)	9
14 Feb 2023 - 14 Feb 2023	EUROPA 2		10
15 Feb 2023 - 16 Feb 2023	LAUTOKA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
15 Feb 2023 - 16 Feb 2023	THERESA MICRONESIA	MOLASSES (EXPORT)	9
16 Feb 2023 - 19 Feb 2023	TIENTSIN	FERTILIZER (EXPORT)	8
18 Feb 2023 - 24 Feb 2023	CLIPPER CLYDE	ZINC INGOTS (EXPORT)	10
19 Feb 2023 - 21 Feb 2023	BERMONDI	ZINC CONCENTRATES (EXPORT)	8

Date In/Out	Vessel Name	Cargo	Berth
20 Feb 2023 - 21 Feb 2023	DAIWAN KALON	SUGAR (EXPORT)	9
20 Feb 2023 - 21 Feb 2023	DL OLIVE	ZINC FERRITES (EXPORT)	11
20 Feb 2023 - 21 Feb 2023	CYGNUS LEADER	MOTOR VEHICLES (IMPORT)	4
21 Feb 2023 - 23 Feb 2023	BERMONDI	ZINC CONCENTRATES (EXPORT)	3 STH
22 Feb 2023 - 23 Feb 2023	AFRICAN RAVEN	SULPHUR (IMPORT)	8
23 Feb 2023 - 24 Feb 2023	AETOS	CONCENTRATES (EXPORT)	8
23 Feb 2023 - 24 Feb 2023	ANL KOKODA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
24 Feb 2023 - 26 Feb 2023	KHOI VENTURES	LEAD INGOTS (EXPORT)	3 STH
25 Feb 2023 - 27 Feb 2023	LUGA	CEMENT (IMPORT)	4
25 Feb 2023 - 26 Feb 2023	MAERSK CAPRI	FUELS (IMPORT)	1
27 Feb 2023 - 27 Feb 2023	SEABOURN SOJOURN		10
27 Feb 2023 - 28 Feb 2023	BRAHMAN EXPRESS	CATTLE (EXPORT)	3 STH
27 Feb 2023 - 28 Feb 2023	PALANCA MIAMI	BITUMEN (IMPORT)	1
28 Feb 2023 - 28 Feb 2023	SILVER WHISPER		10



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.

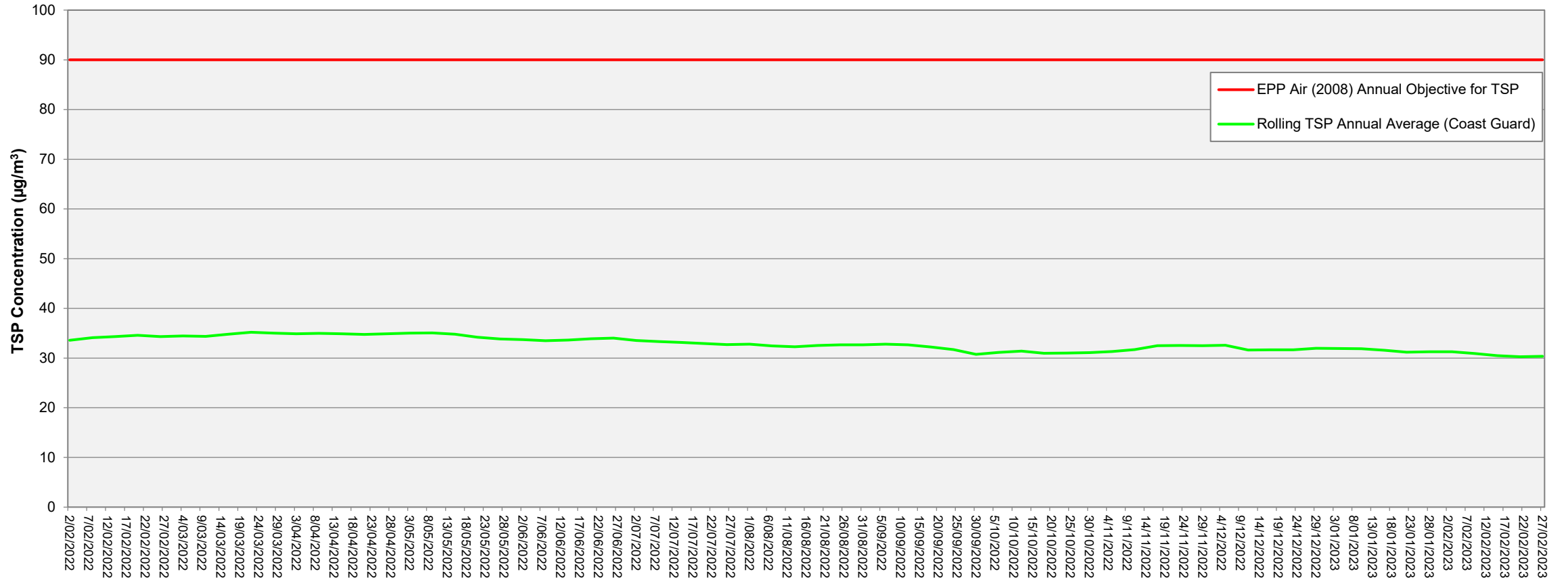
OR

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

Ask a Question / Provide Feedback

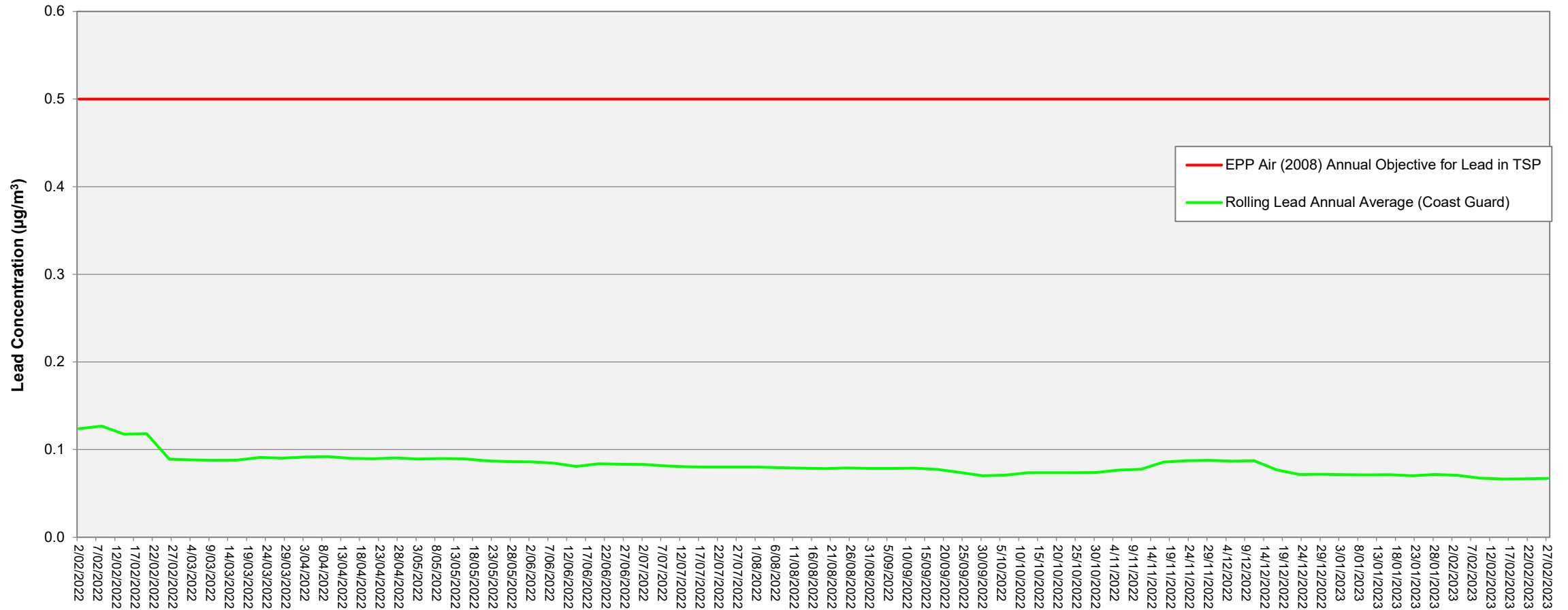
Send your enquiry or feedback to community@townsvilleport.com.au

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



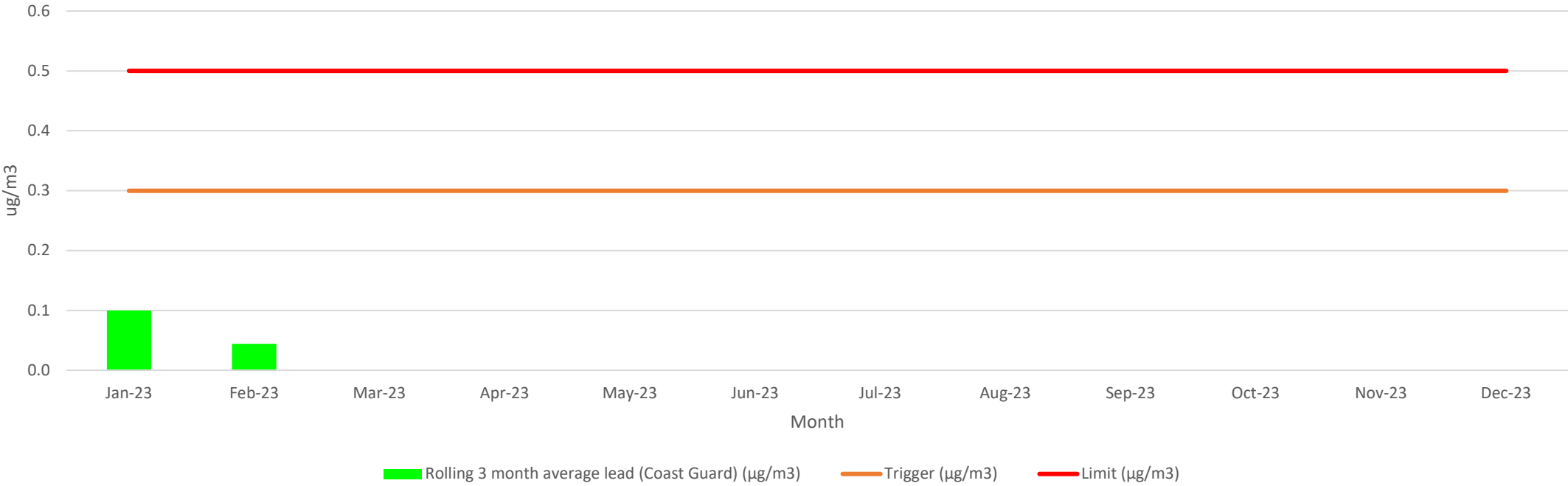
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



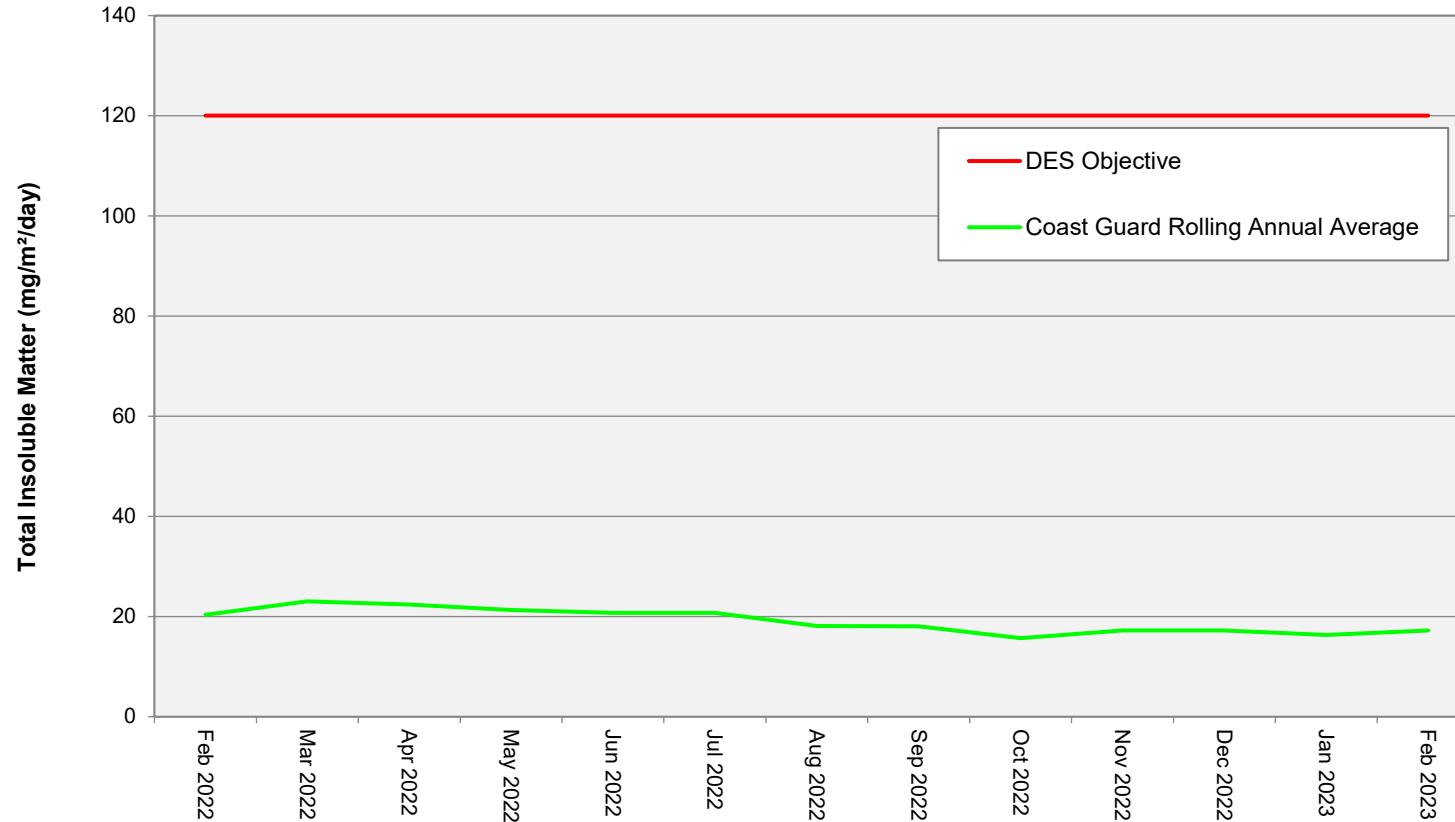
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



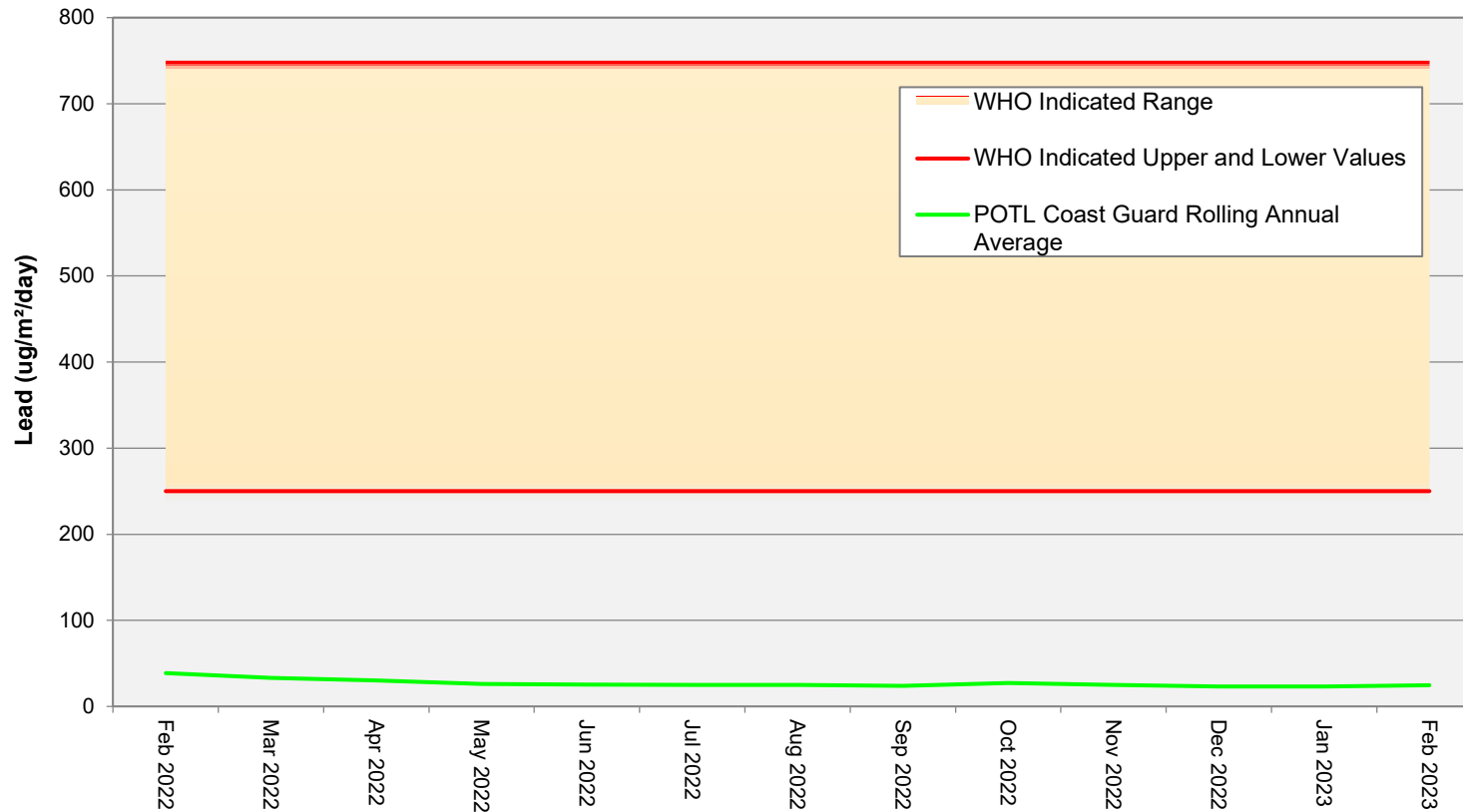
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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



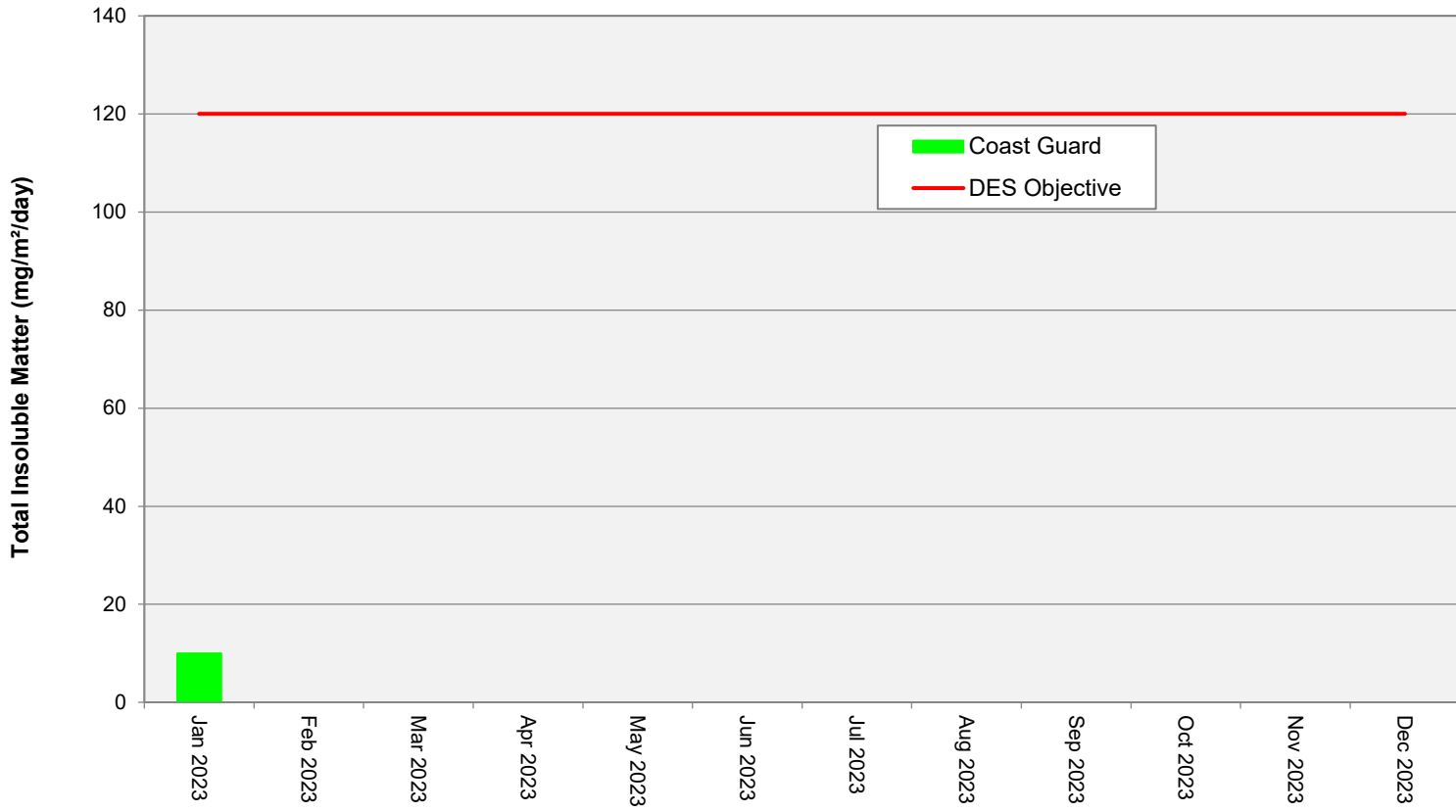
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



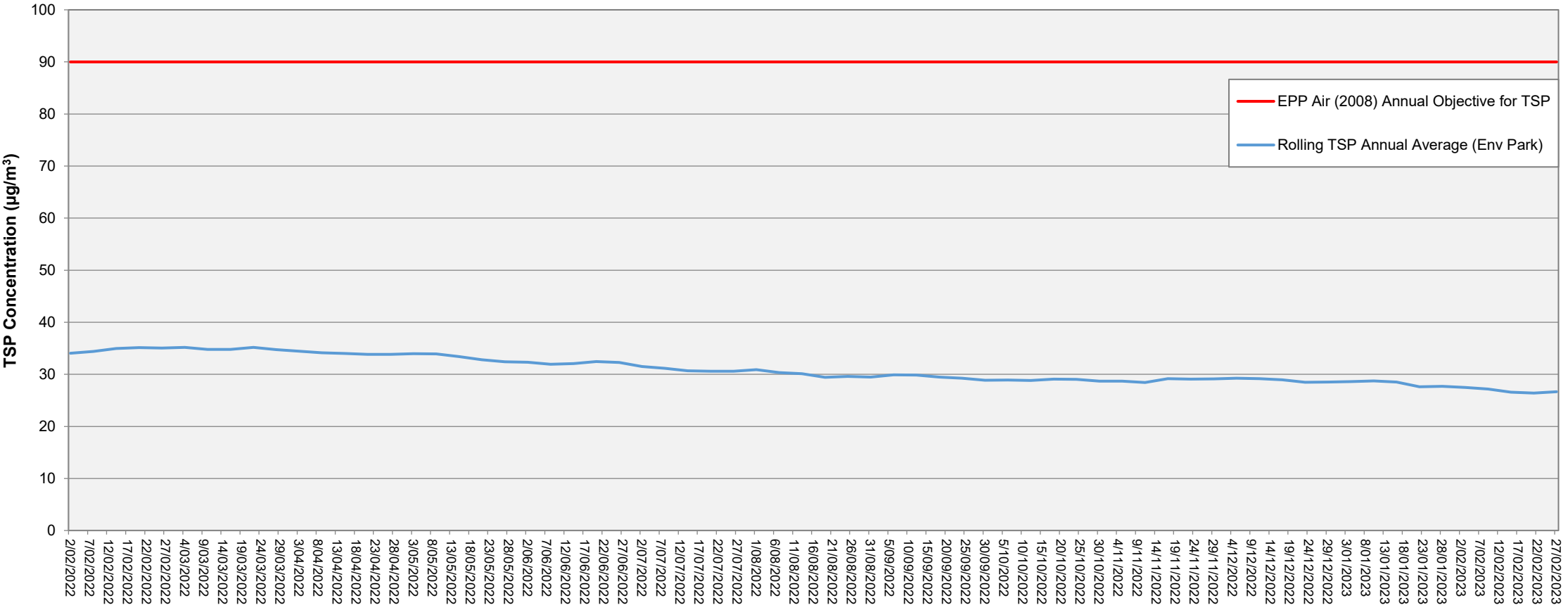
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result.

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



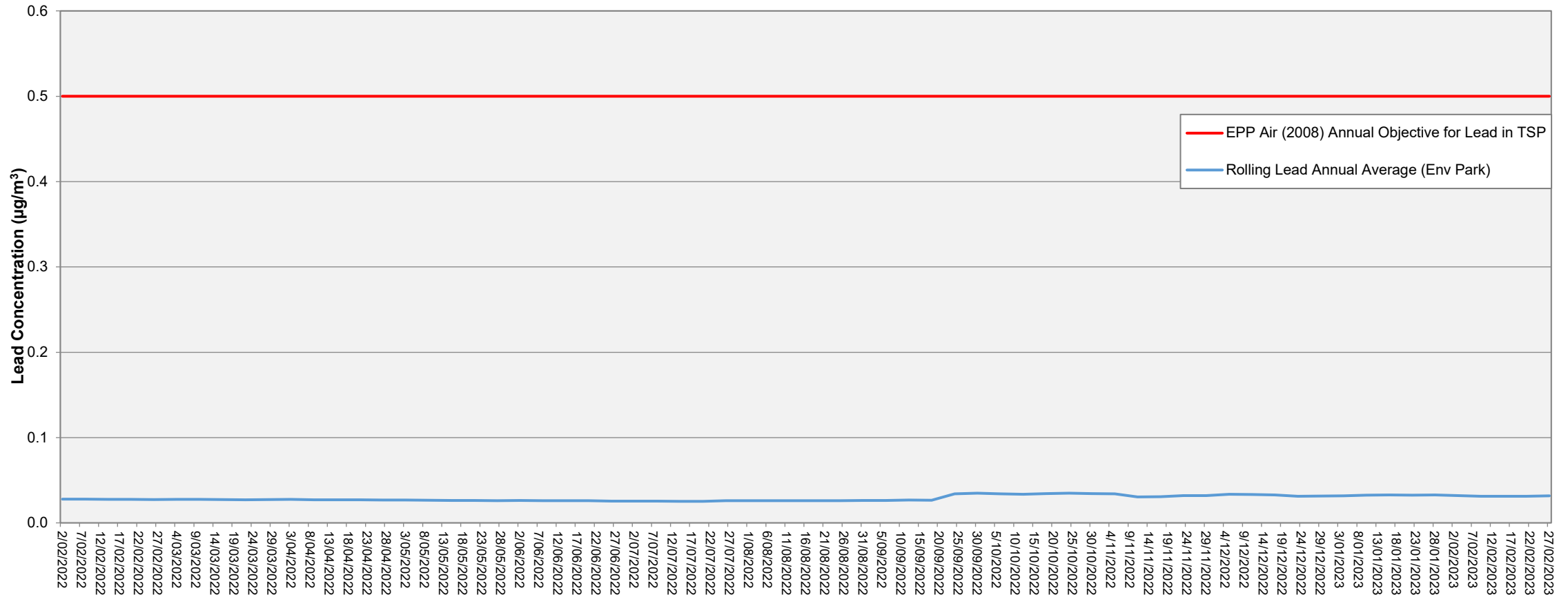
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day.
*February 2023 invalid result. Nil data for display.

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



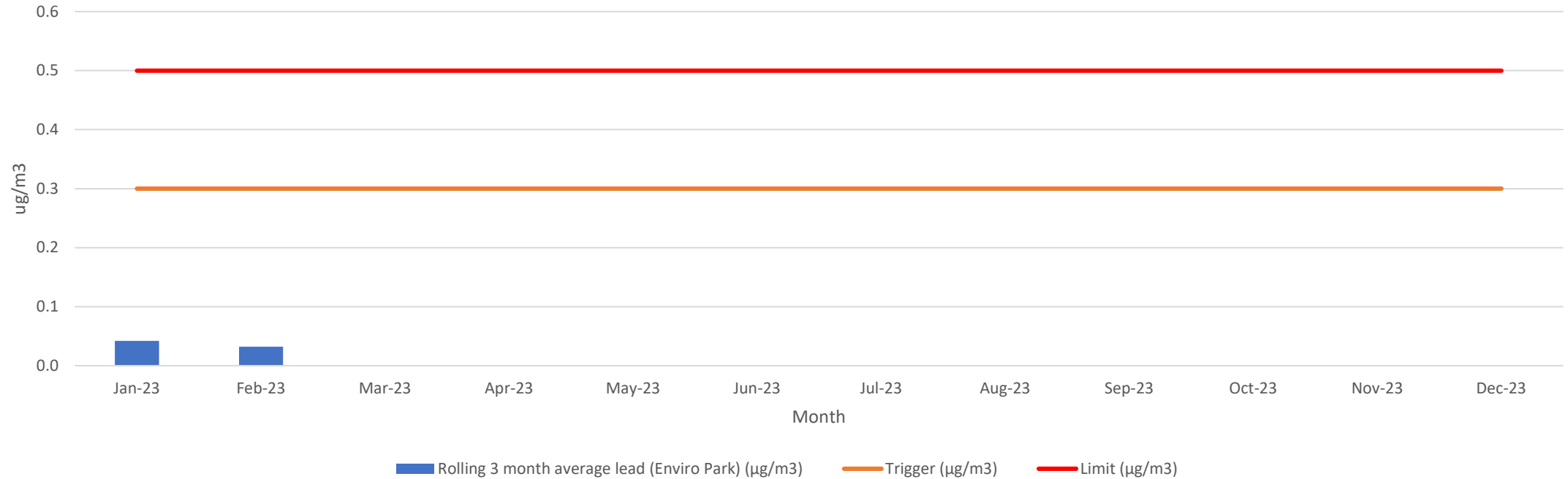
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



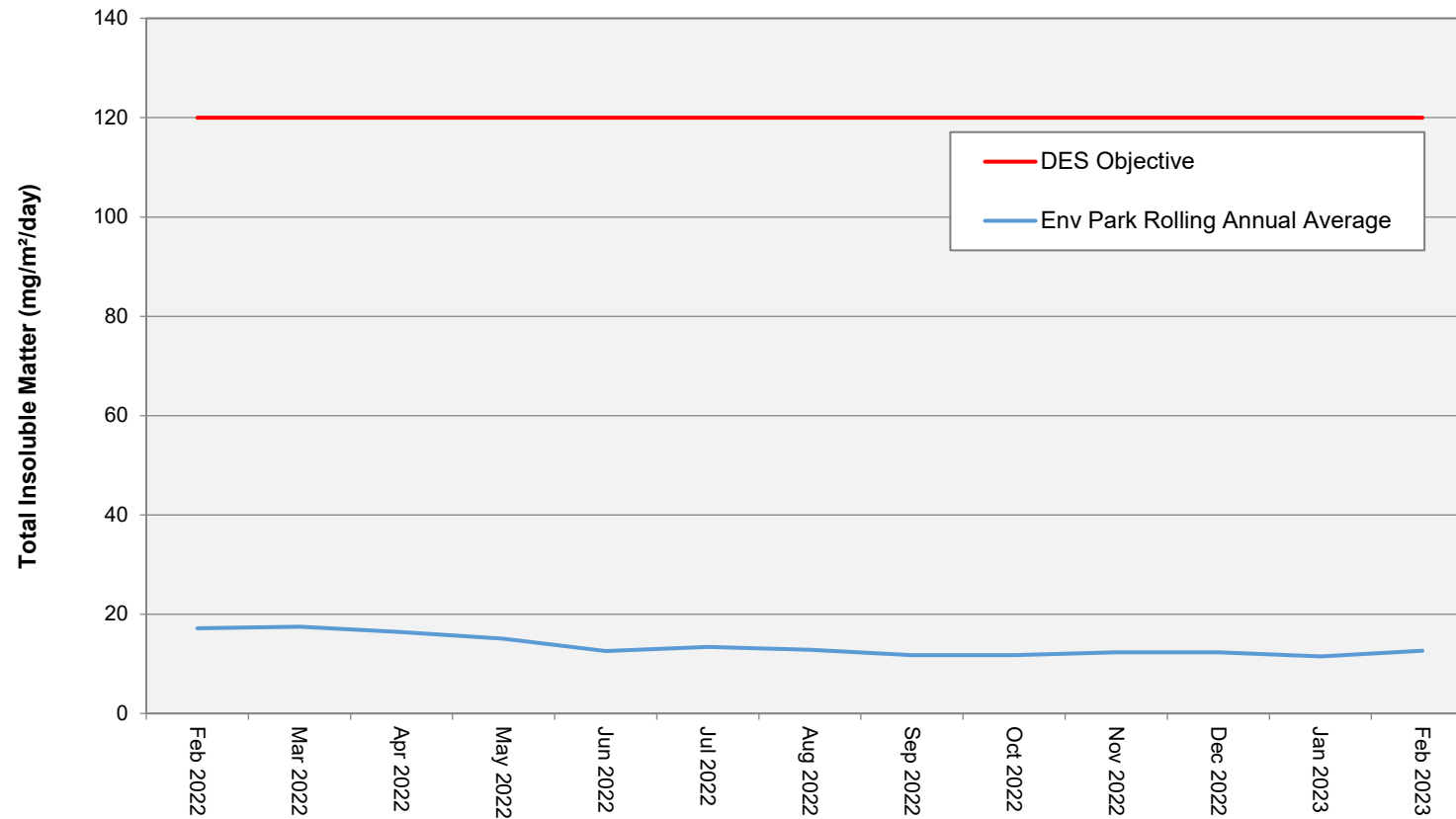
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



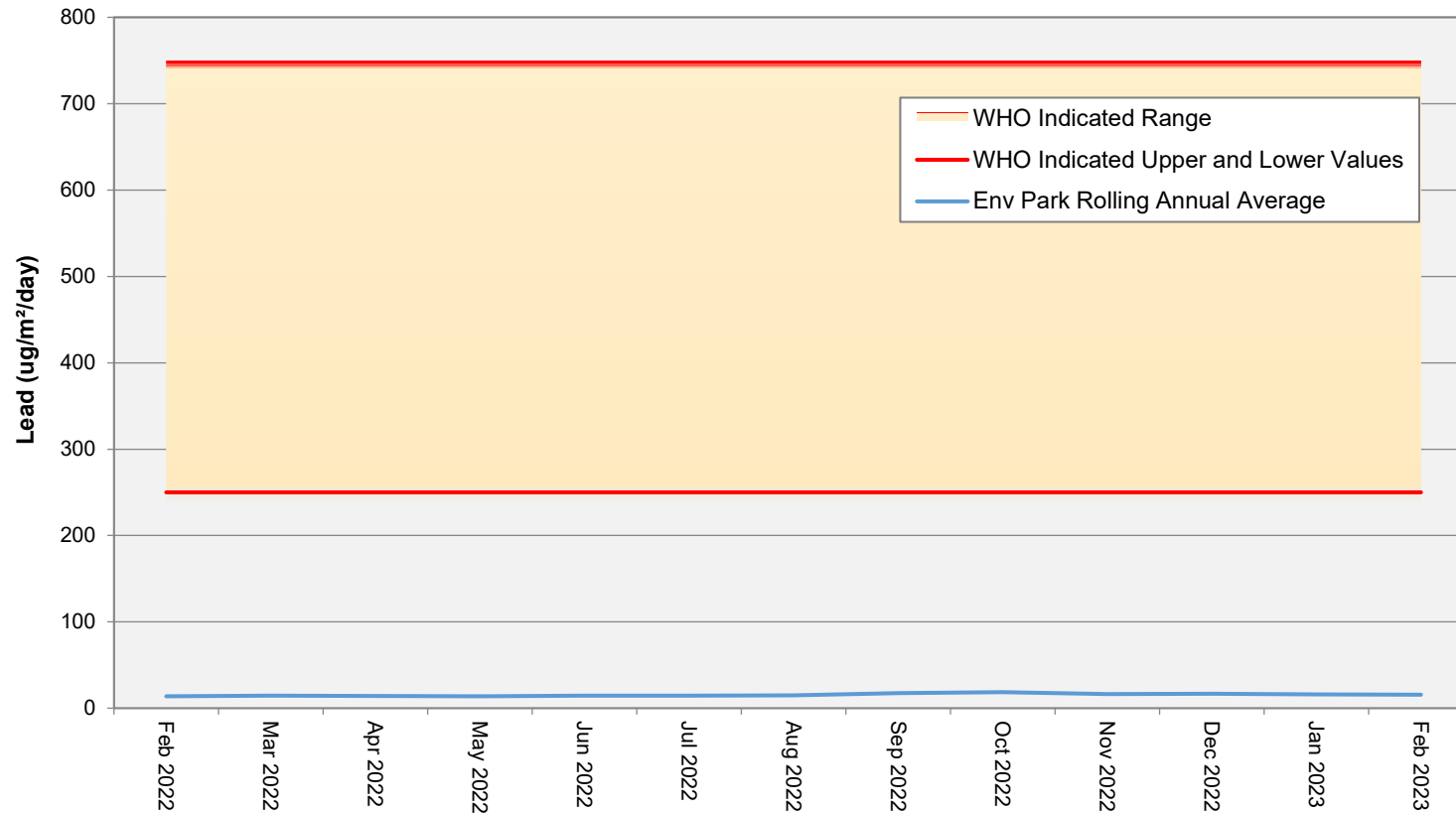
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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

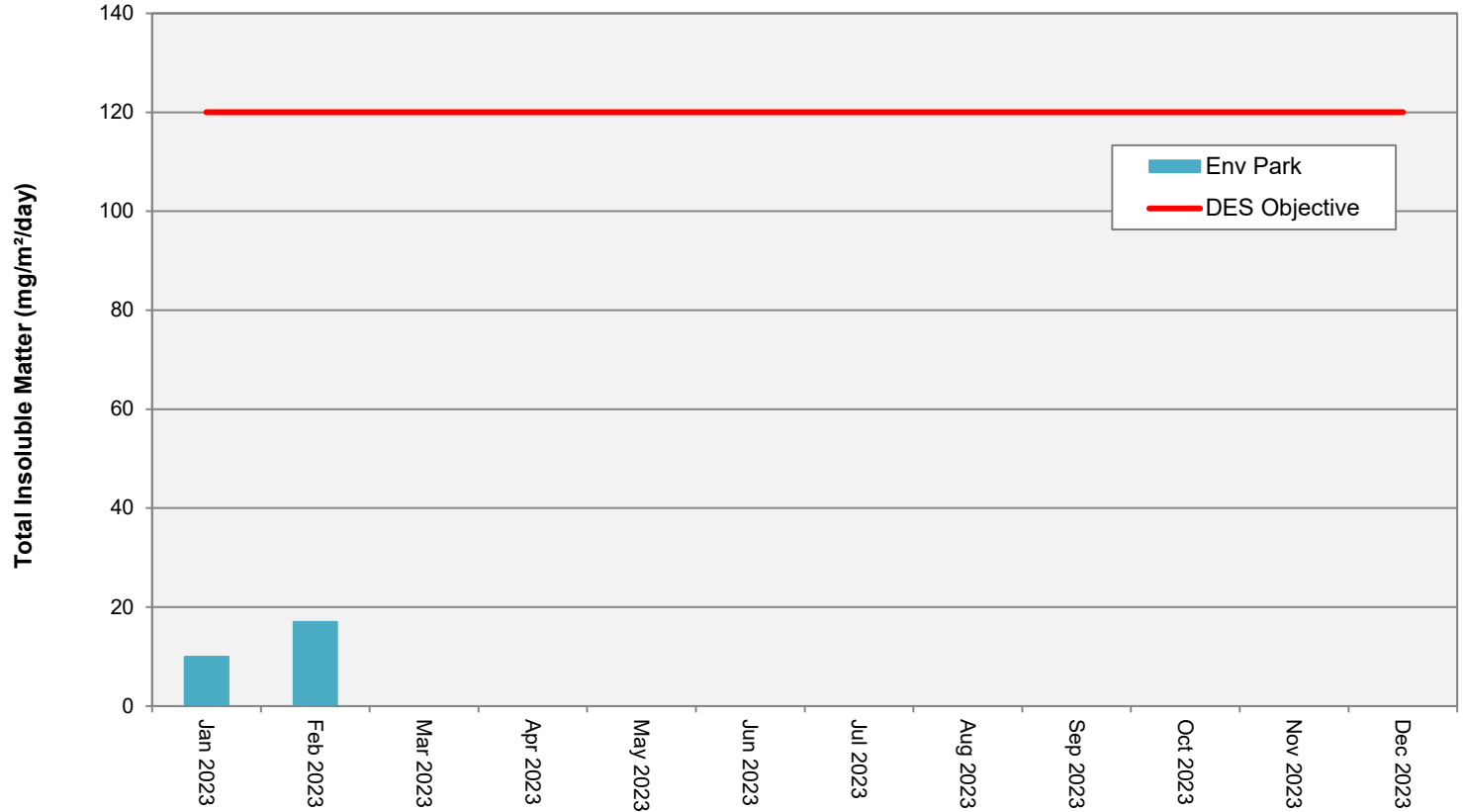
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site FEBRUARY 2022 – FEBRUARY 2023



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

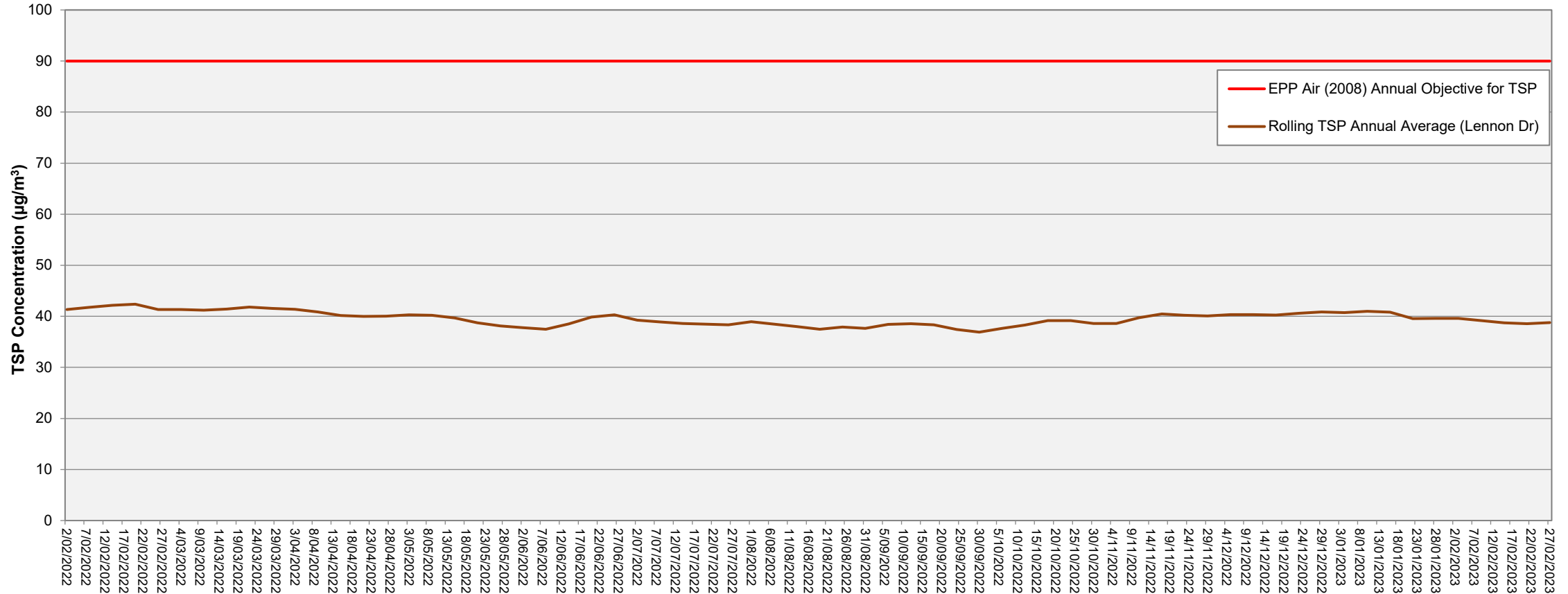
[Click here](#) for information on how to interpret this data

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



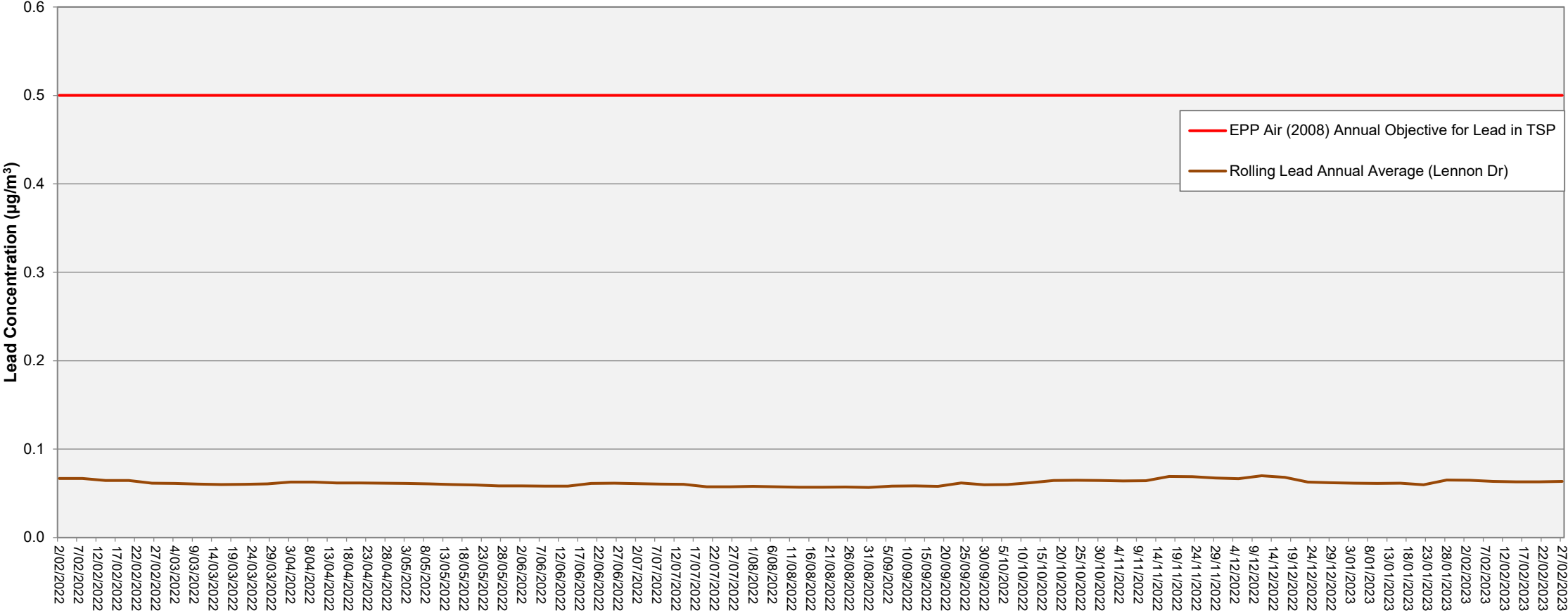
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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



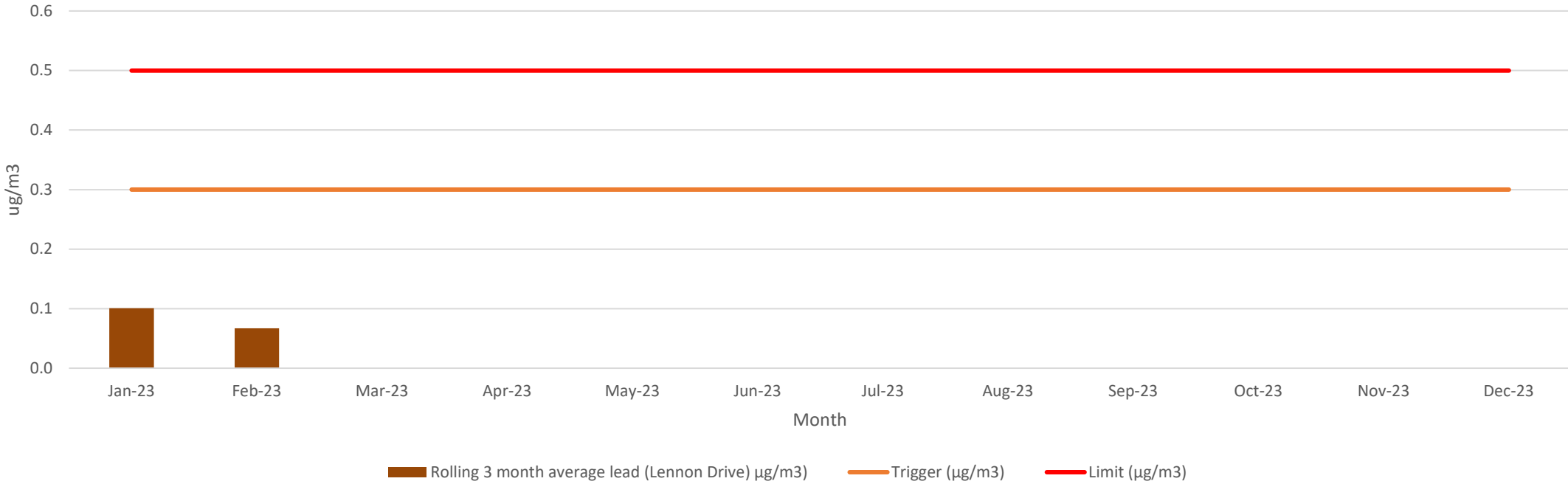
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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

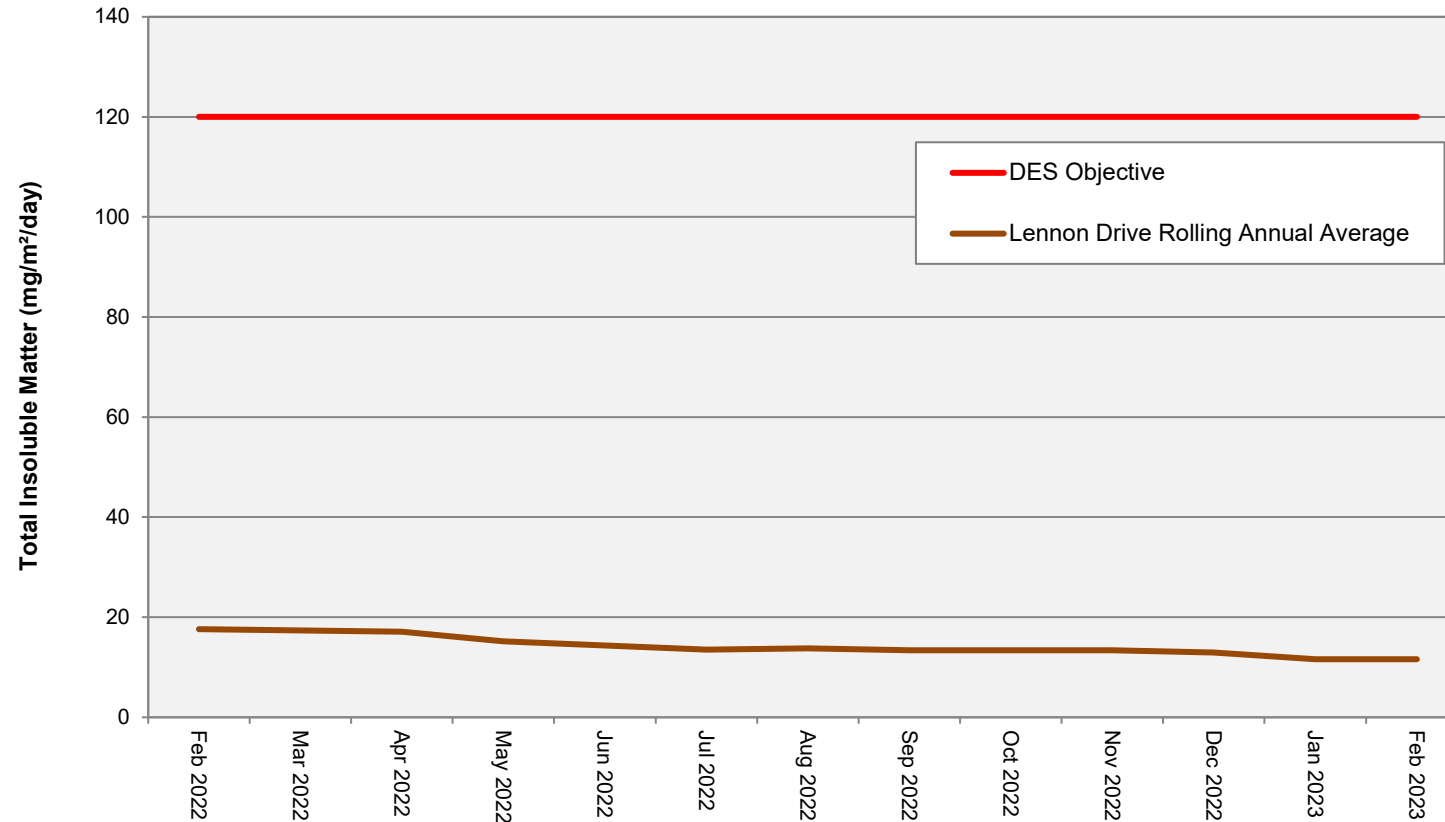
Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site 2023



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

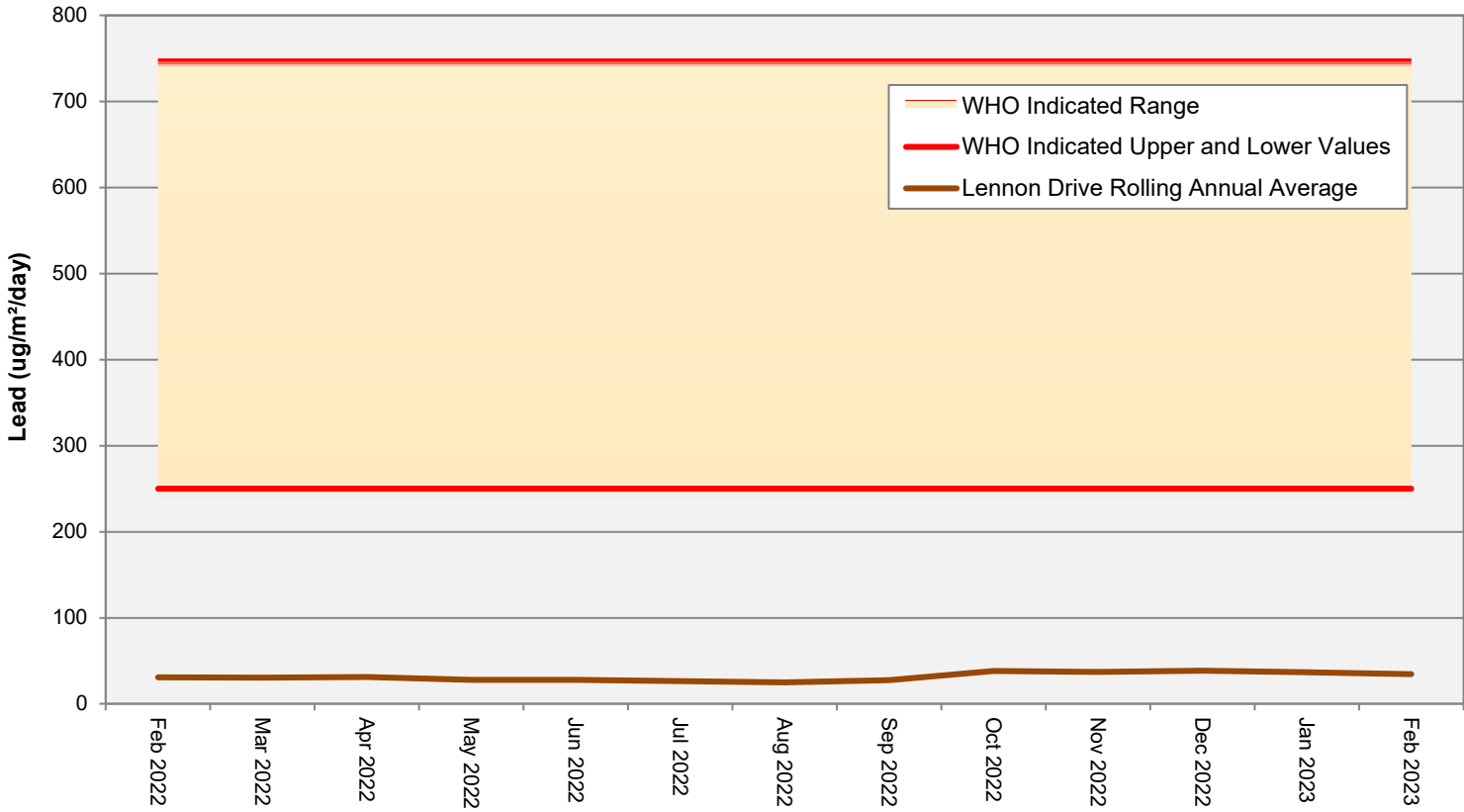
[Click here](#) for information on how to interpret this data

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



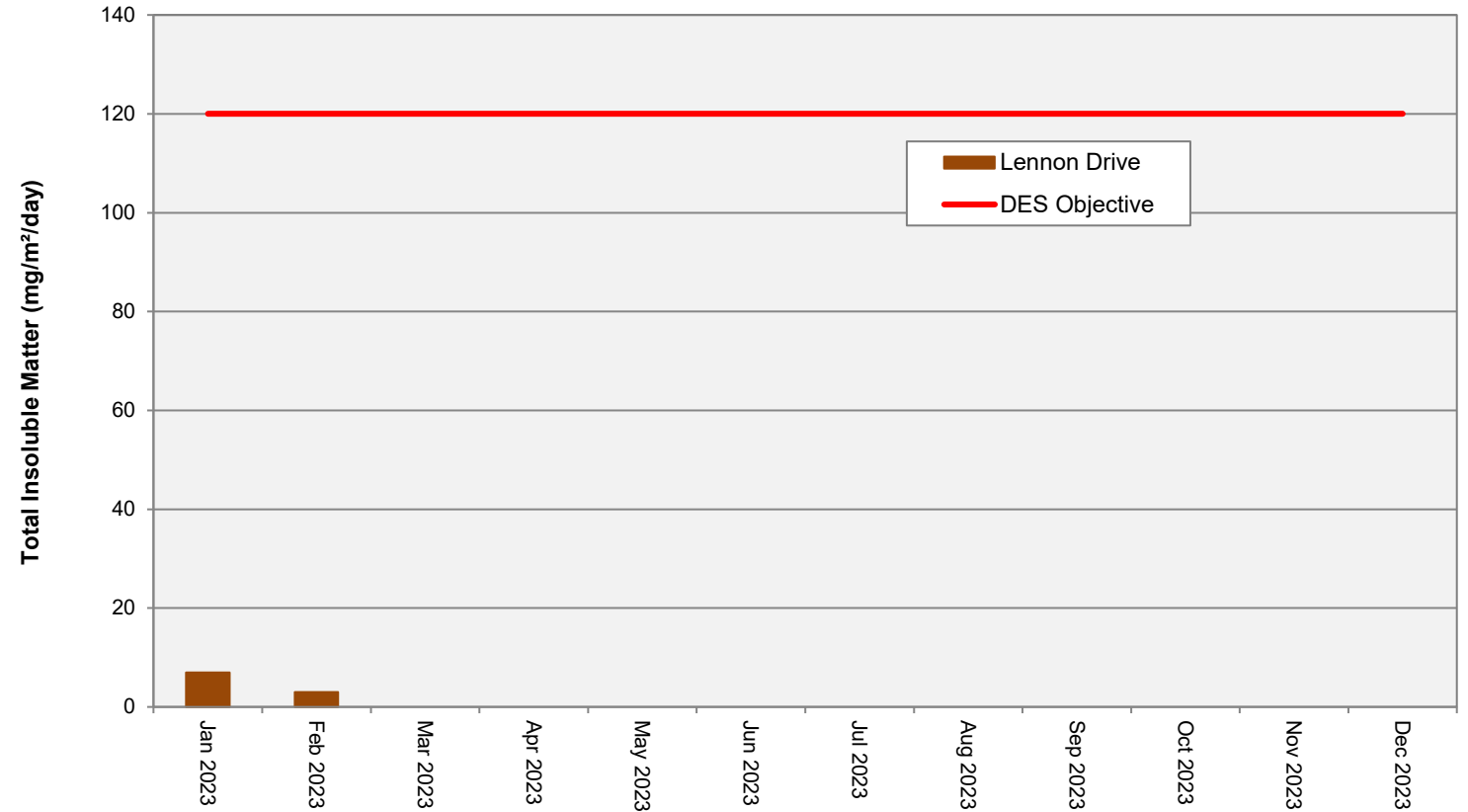
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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