

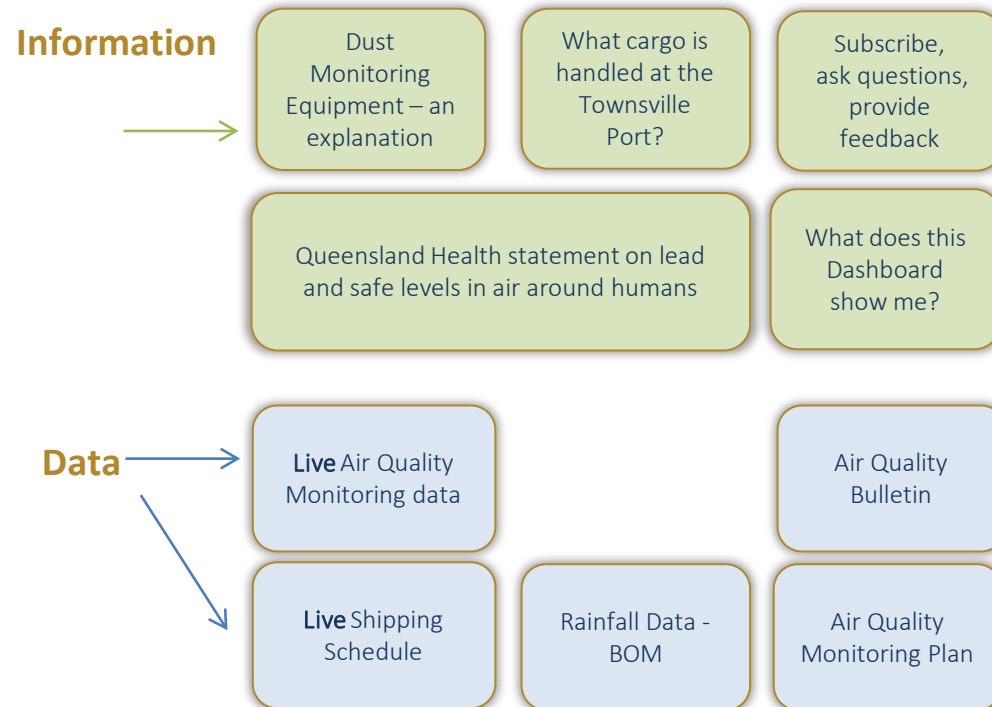
Air Quality Dashboard | December | 2023

AIR QUALITY MONITORING IN TOWNSVILLE

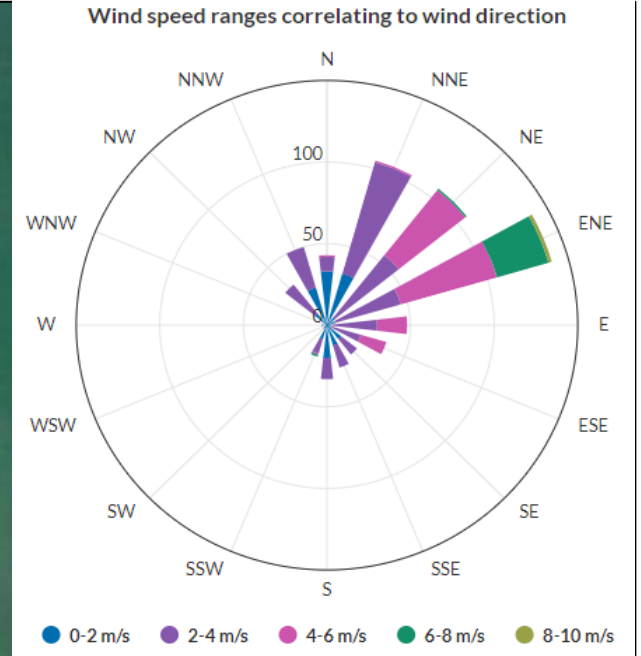
Air Quality Monitoring in Townsville is conducted separately by both the Department of Environment and Science (DES), and Port of Townsville Limited.

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 December 2023

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

Date In/Out	Vessel Name	Cargo	Berth
28 Nov 2023 - 03 Dec 2023	BOW PLATINUM	SULPHURIC ACID (EXPORT)	1
29 Nov 2023 - 01 Dec 2023	WYUNA	CEMENT (IMPORT)	4
29 Nov 2023 - 02 Dec 2023	SE MARINA	SCRAP (EXPORT)	8
30 Nov 2023 - 02 Dec 2023	AMBER ARROW	MOTOR VEHICLES (IMPORT)	3 NTH
30 Nov 2023 - 02 Dec 2023	EIDSVAAG OMEGA	GENERAL CARGO (IMPORT)	10
30 Nov 2023 - 01 Dec 2023	BUNUN ZEST	SUGAR (EXPORT)	9
01 Dec 2023 - 02 Dec 2023	GIROLANDO EXPRESS	CATTLE (EXPORT)	4
01 Dec 2023 - 03 Dec 2023	THERESA MICRONESIA	MOLASSES (EXPORT)	9
02 Dec 2023 - 03 Dec 2023	GELBRAY EXPRESS	CATTLE (EXPORT)	4
02 Dec 2023 - 03 Dec 2023	HANSA FREYBURG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
02 Dec 2023 - 06 Dec 2023	AFRICAN CORMORANT	SULPHUR (IMPORT)	10
03 Dec 2023 - 04 Dec 2023	GOLDEN LEADER	MOLASSES (EXPORT)	9
04 Dec 2023 - 06 Dec 2023	GREAT VANGUARD	CONCENTRATES (EXPORT)	3 STH
05 Dec 2023 - 06 Dec 2023	HAFNIA LYNX	FUELS (IMPORT)	1
05 Dec 2023 - 07 Dec 2023	AFRICAN NIGHTJAR	ZINC CONCENTRATES (EXPORT)	8
06 Dec 2023 - 07 Dec 2023	LAUTOKA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
06 Dec 2023 - 07 Dec 2023	KYOWA ROSE	TYRES (IMPORT) EMPTY CONTAINERS (EXPORT)	3 NTH
07 Dec 2023 - 09 Dec 2023	PAGNA	MOTOR VEHICLES (IMPORT)	10
07 Dec 2023 - 10 Dec 2023	ANL DHAMBI	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
08 Dec 2023 - 11 Dec 2023	INTEGRITY AOI	LEAD INGOTS (EXPORT)	3 STH
09 Dec 2023 - 10 Dec 2023	AFRICAN SWAN	SUGAR (EXPORT)	9
09 Dec 2023 - 09 Dec 2023	STI GARNET	FUELS (IMPORT)	1
09 Dec 2023 - 09 Dec 2023	ALTAIR LEADER	MOTOR VEHICLES (IMPORT)	10
10 Dec 2023 - 12 Dec 2023	STOLT RINDO	SULPHURIC ACID (EXPORT)	1
13 Dec 2023 - 15 Dec 2023	AKUNA	CEMENT (IMPORT)	4
14 Dec 2023 - 15 Dec 2023	LYDDEN	MOTOR VEHICLES (IMPORT)	10
14 Dec 2023 - 17 Dec 2023	GARNET EXPRESS	FUELS (IMPORT)	1
14 Dec 2023 - 17 Dec 2023	AFRICAN ROADRUNNER	SCRAP (EXPORT)	8
15 Dec 2023 - 15 Dec 2023	ADF	CONTAINERS (IMPORT)	9
15 Dec 2023 - 16 Dec 2023	LYDDEN	MOTOR VEHICLES (IMPORT)	4
16 Dec 2023 - 16 Dec 2023	SEVEN SEAS EXPLORER		10

Date In/Out	Vessel Name	Cargo	Berth
16 Dec 2023 - 18 Dec 2023	BBC VIRGINIA	COPPER CONCENTRATES (EXPORT)	10
17 Dec 2023 - 18 Dec 2023	ALPINE MOMENT	FUELS (IMPORT)	1
18 Dec 2023 - 19 Dec 2023	OCEAN UTE	CATTLE (EXPORT)	3 STH
18 Dec 2023 - 19 Dec 2023	GOLDEN SAGITTARIUS	FUELS (IMPORT)	1
18 Dec 2023 - 20 Dec 2023	ROMANDIE	SUGAR (EXPORT)	9
19 Dec 2023 - 22 Dec 2023	KOOMBANA BAY	FERTILIZER (EXPORT)	10
19 Dec 2023 - 20 Dec 2023	ESL WINNER	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
20 Dec 2023 - 21 Dec 2023	SUVA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
20 Dec 2023 - 21 Dec 2023	NEW JOURNEY	SUGAR (EXPORT)	9
21 Dec 2023 - 23 Dec 2023	TS DELTA	CONCENTRATES (EXPORT)	11
21 Dec 2023 - 23 Dec 2023	ANL KOKODA	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
21 Dec 2023 - 22 Dec 2023	BAUSTELLA	BITUMEN (IMPORT)	4
22 Dec 2023 - 23 Dec 2023	DAYDREAM BELIEVER	ZINC CONCENTRATES (EXPORT)	8
23 Dec 2023 - 24 Dec 2023	SOFRANA TOURVILLE	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
23 Dec 2023 - 27 Dec 2023	TS DELTA	CONCENTRATES (EXPORT)	3 STH
24 Dec 2023 - 24 Dec 2023	AAL BANGKOK	GENERAL CARGO (IMPORT)	4
24 Dec 2023 - 24 Dec 2023	WISTERIA ACE	MOTOR VEHICLES (IMPORT)	10
26 Dec 2023 - 27 Dec 2023	STI GRAMERCY	FUELS (IMPORT)	1
26 Dec 2023 - 26 Dec 2023	REGATTA		10
26 Dec 2023 - 27 Dec 2023	POAVOSA WISDOM III	ZINC CONCENTRATES (EXPORT)	8
26 Dec 2023 - 27 Dec 2023	DIGNITY LEADER	MOTOR VEHICLES (IMPORT)	4
27 Dec 2023 - 29 Dec 2023	STOLT RENGE	SULPHURIC ACID (IMPORT)	1
27 Dec 2023 - 28 Dec 2023	EIDSVAAG OMEGA	GENERAL CARGO (IMPORT)	3 STH
29 Dec 2023 - 29 Dec 2023	GOLDEN RESOLUTION	FUELS (IMPORT)	1
29 Dec 2023 - 30 Dec 2023	LOTUS LEADER	MOTOR VEHICLES (IMPORT)	4
30 Dec 2023 - 31 Dec 2023	KONG QUE ZUO	FUELS (IMPORT)	1



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

Subscribe to Dashboard Updates

Visit our website and subscribe here www.townsville-port.com.au/community/

OR

Visit the [Port of Townsville Facebook page](#) and click on “Sign up” at the top of the page.

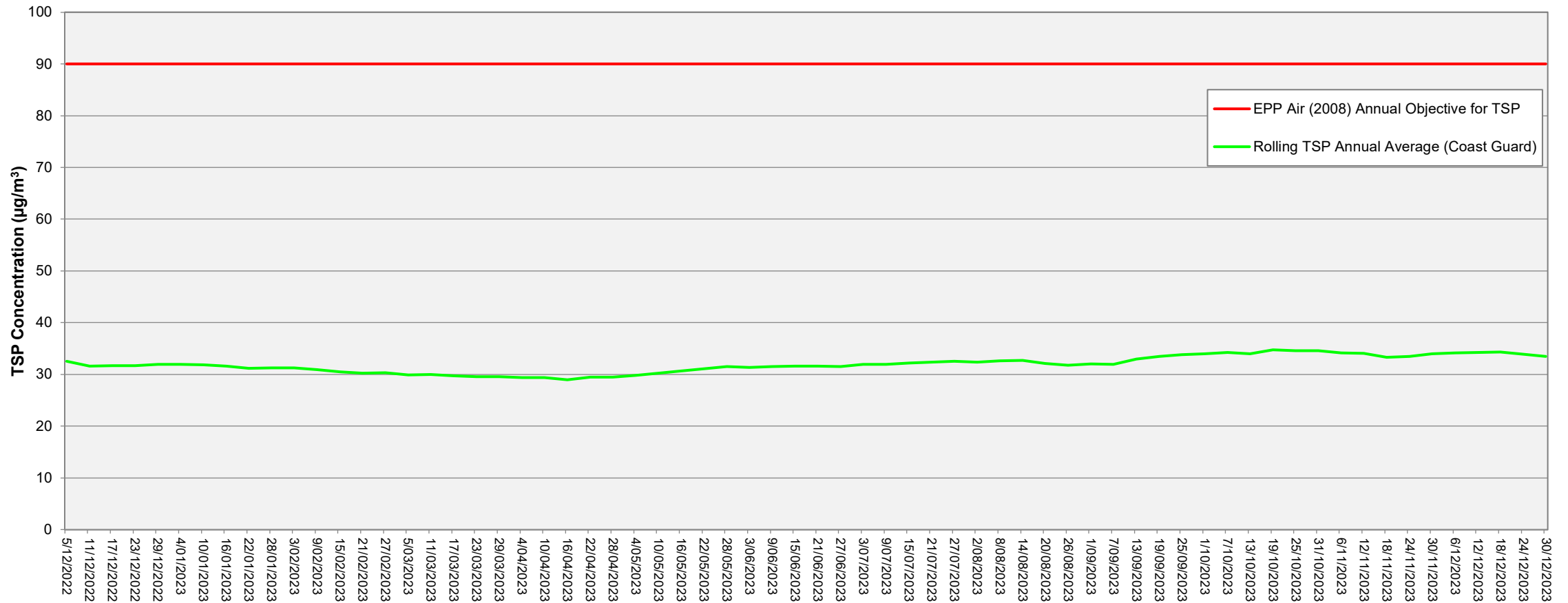
OR

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

Ask a Question / Provide Feedback

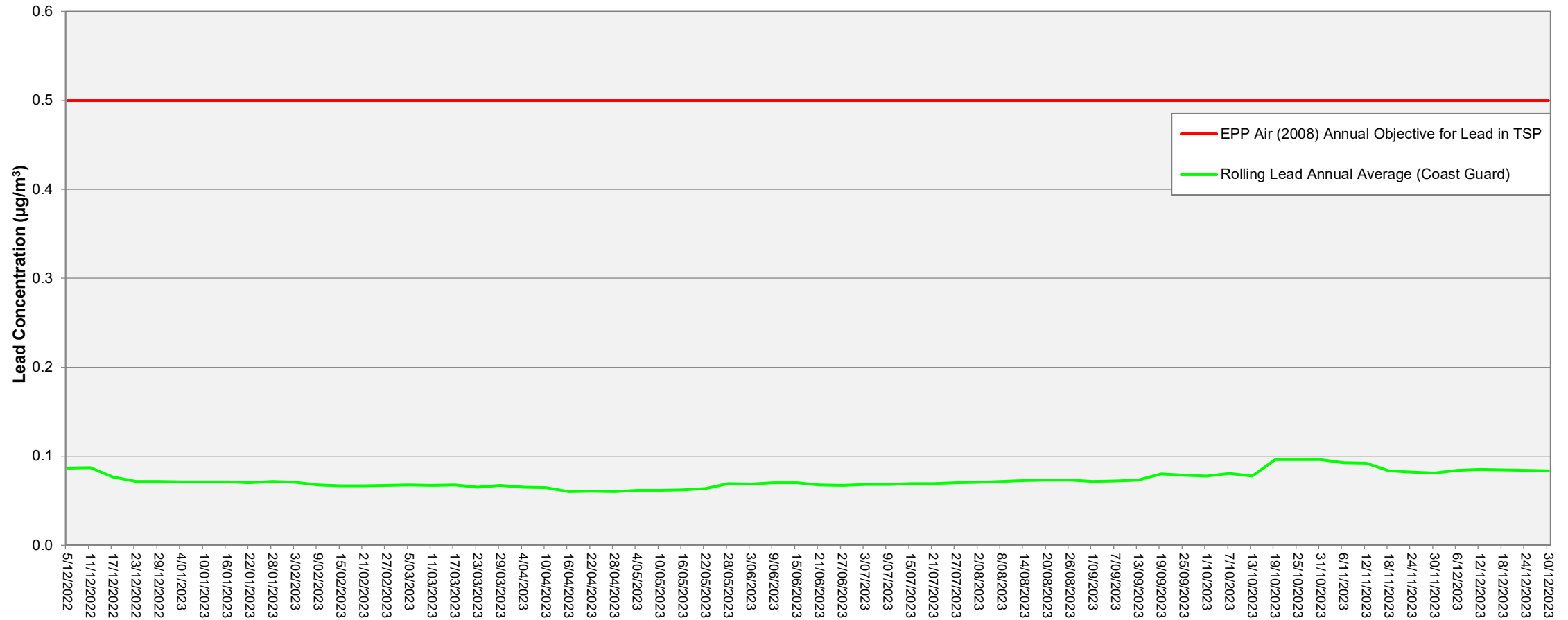
Send your enquiry or feedback to community@townsvilleport.com.au

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



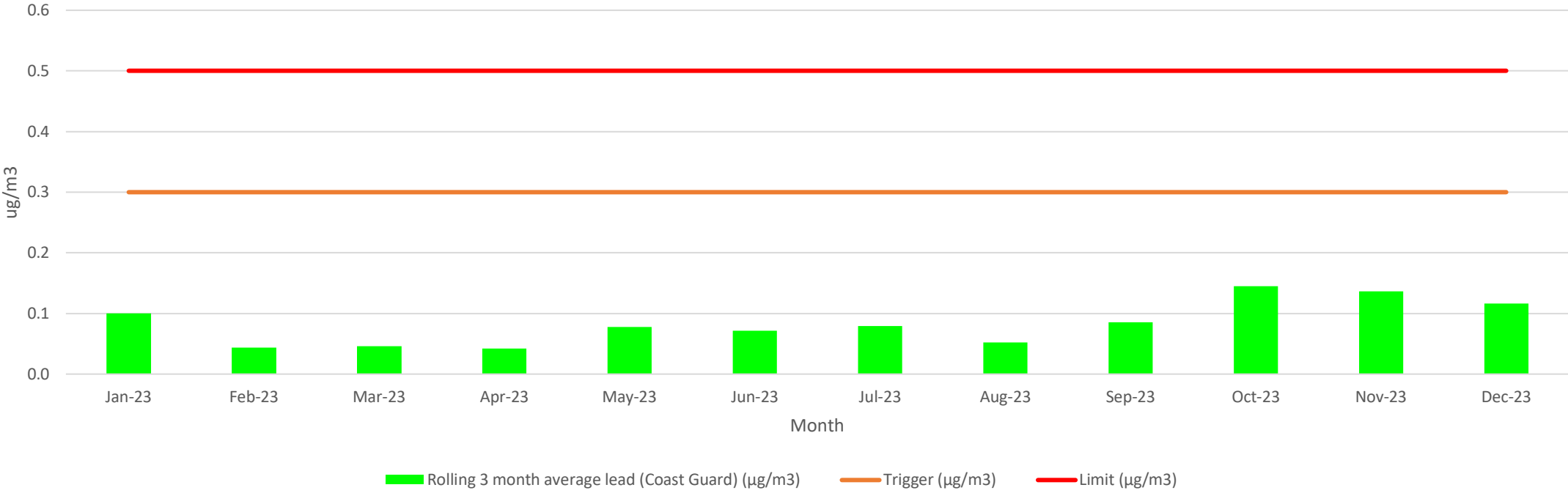
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



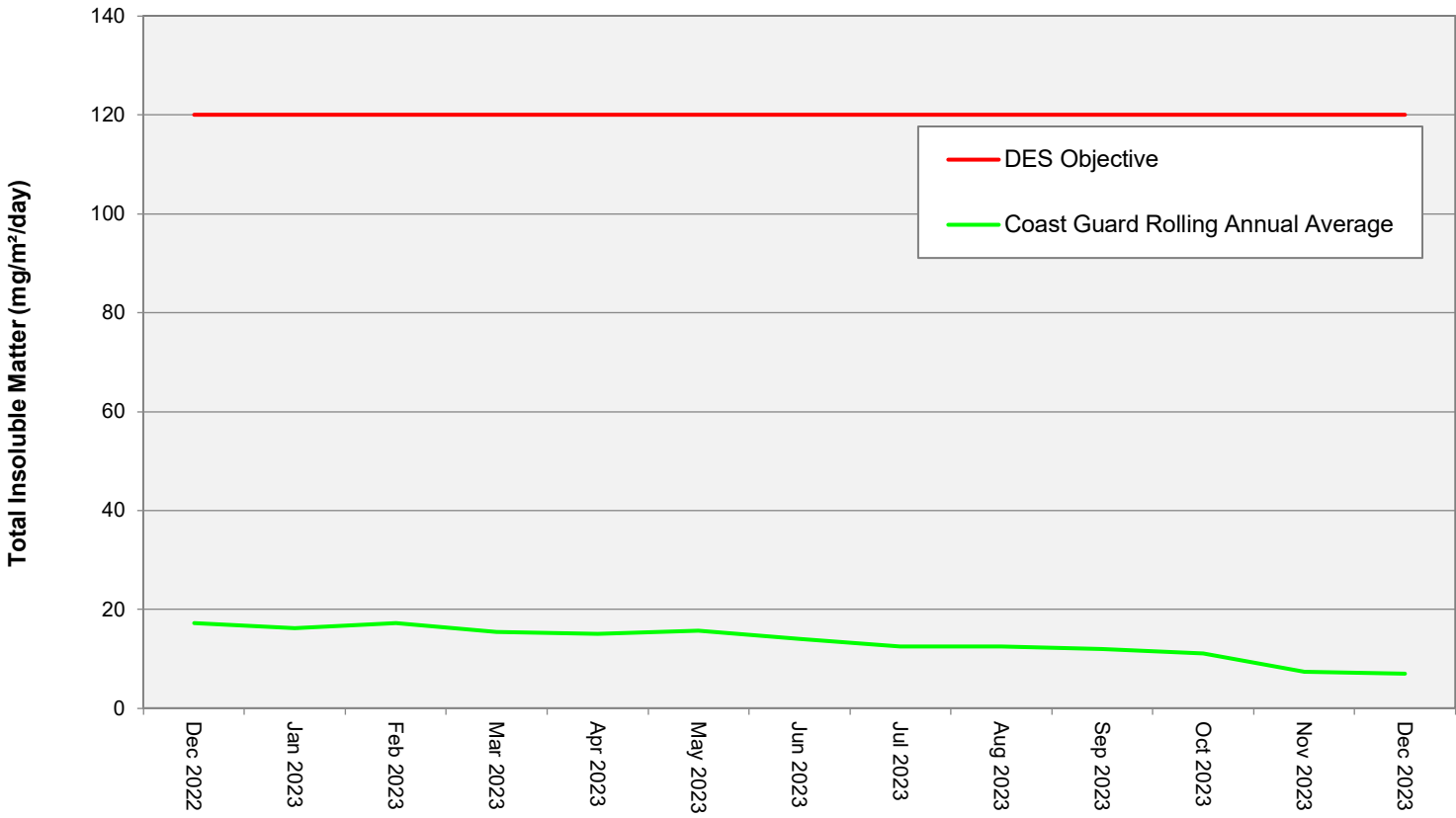
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



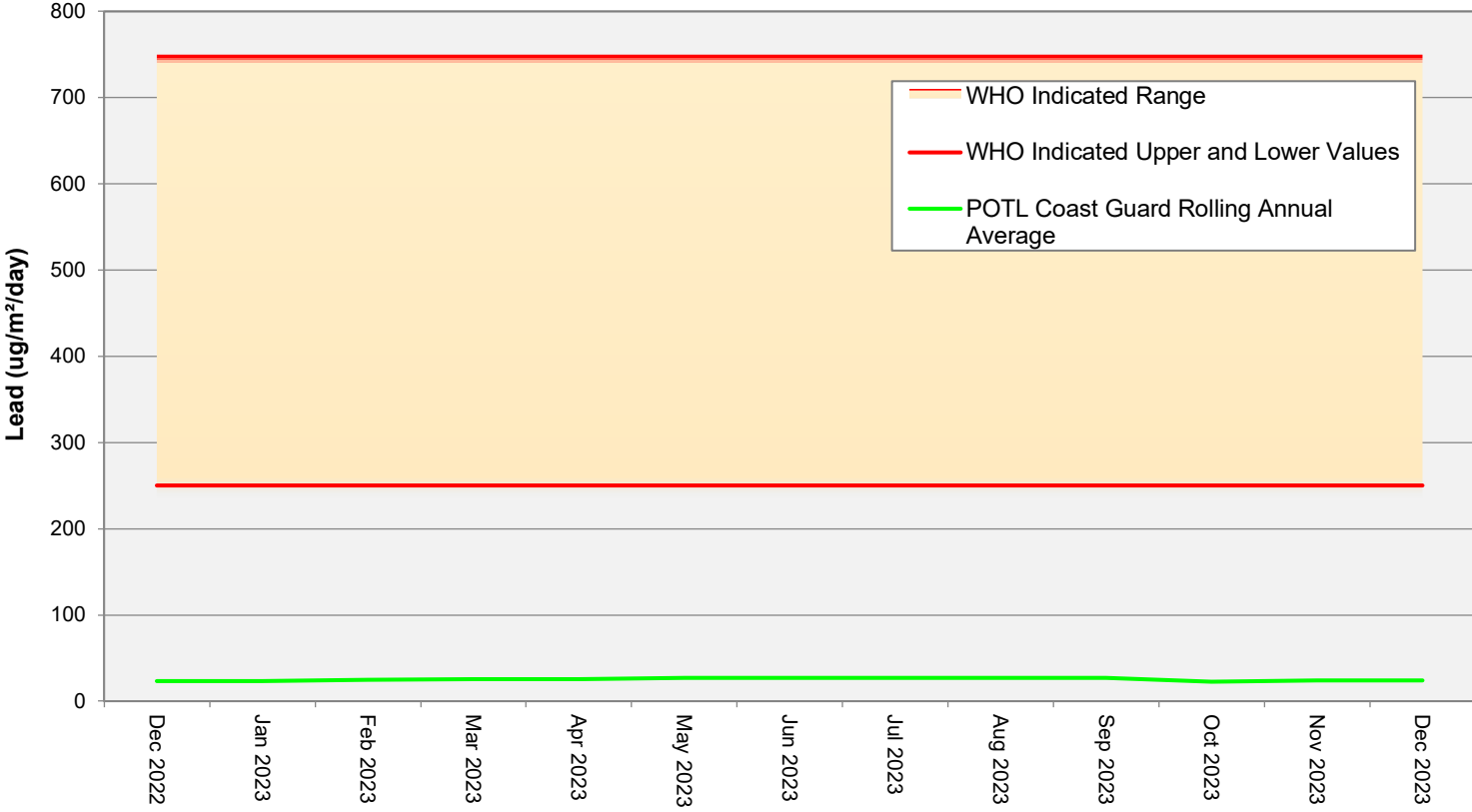
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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



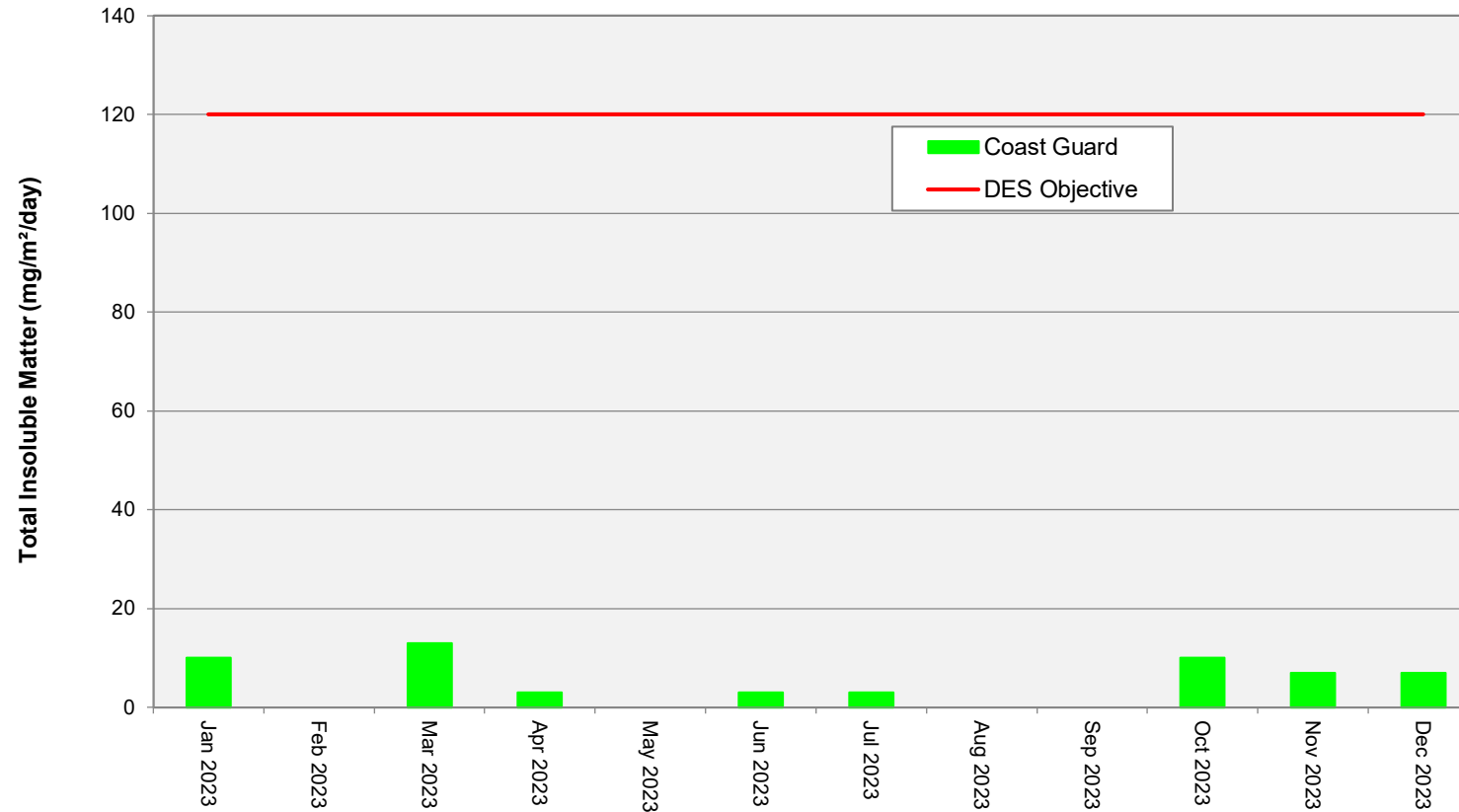
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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

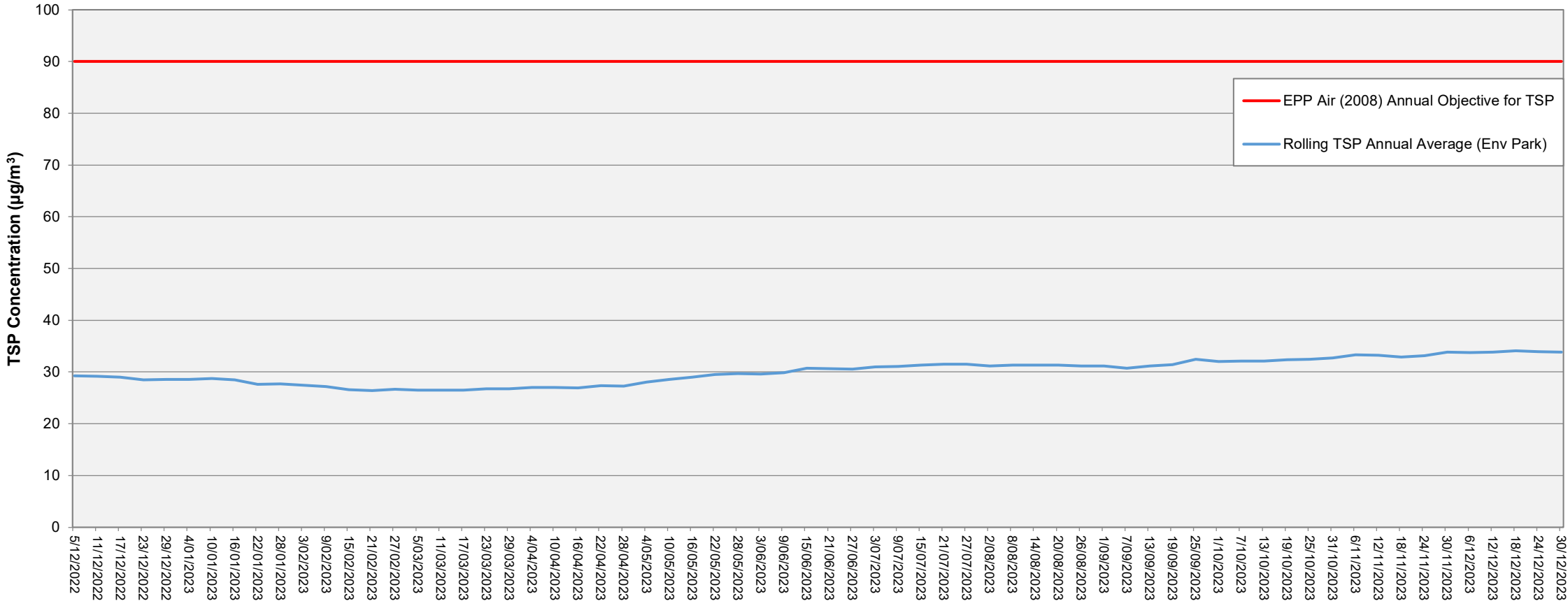
No result for February 2023 due to Laboratory error.

No result for May 2023 due to Laboratory error.

No result for August 2023 due to Coast Guard Air Station Upgrade.

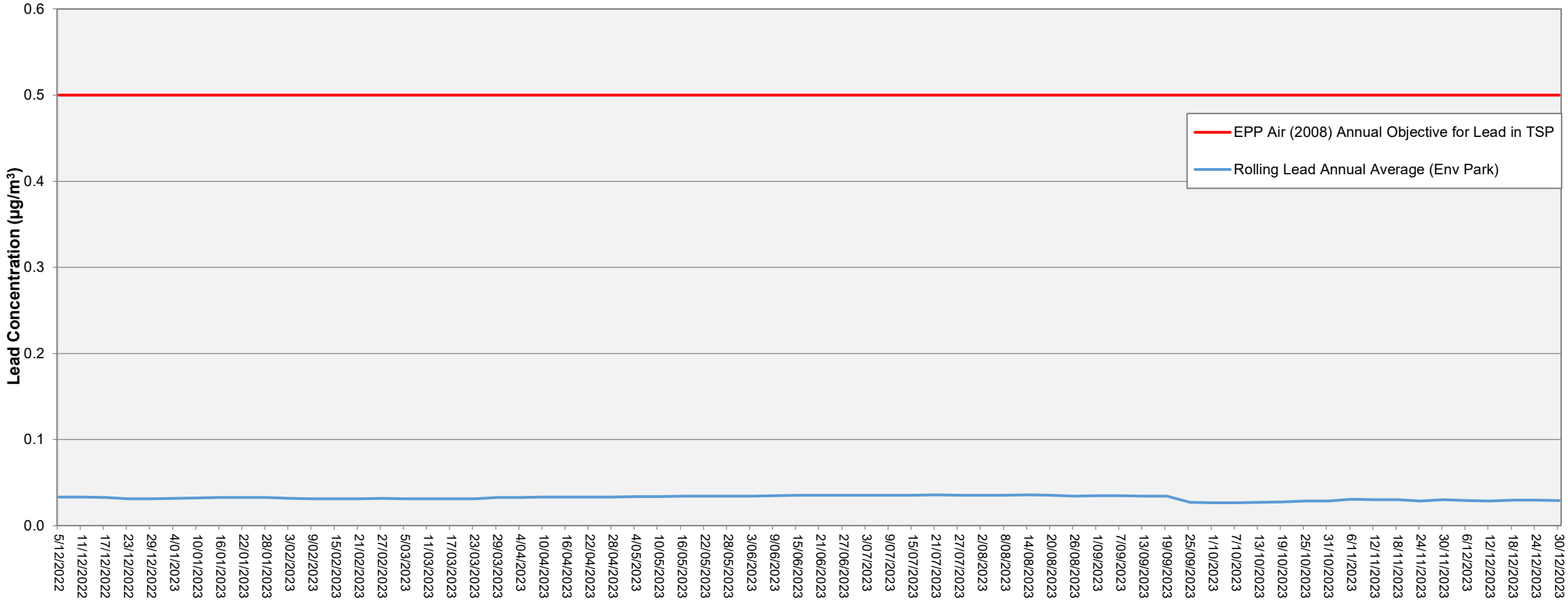
No result for September 2023 due to Coast Guard Air Station Upgrade.

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

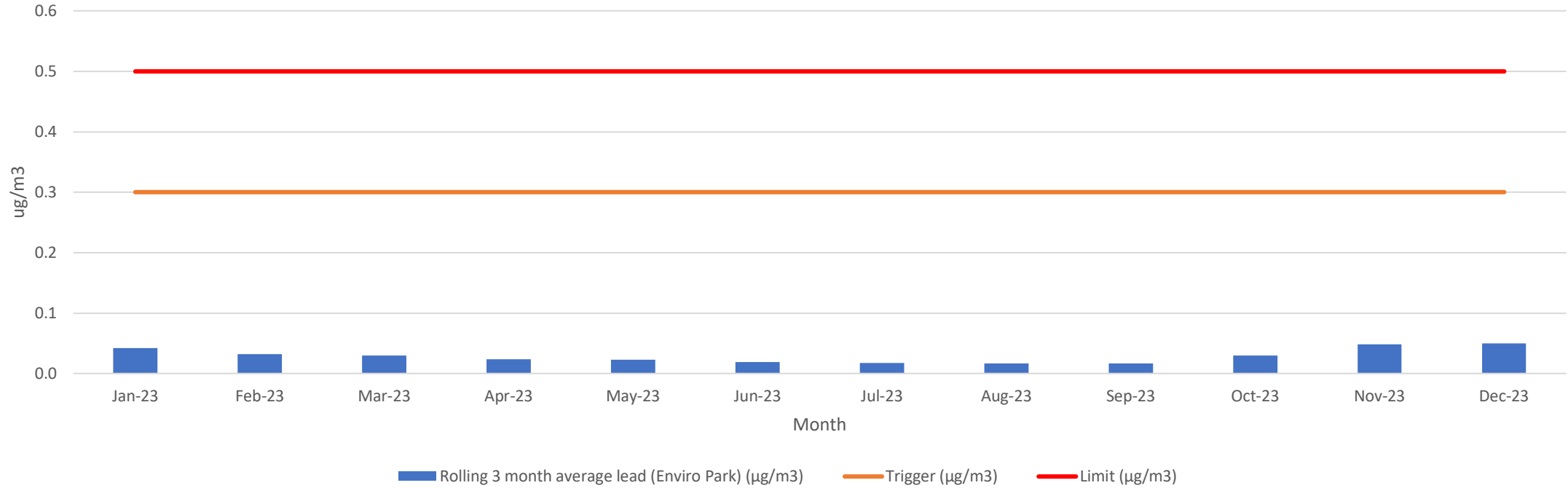
Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site December 2022 – December 2023



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

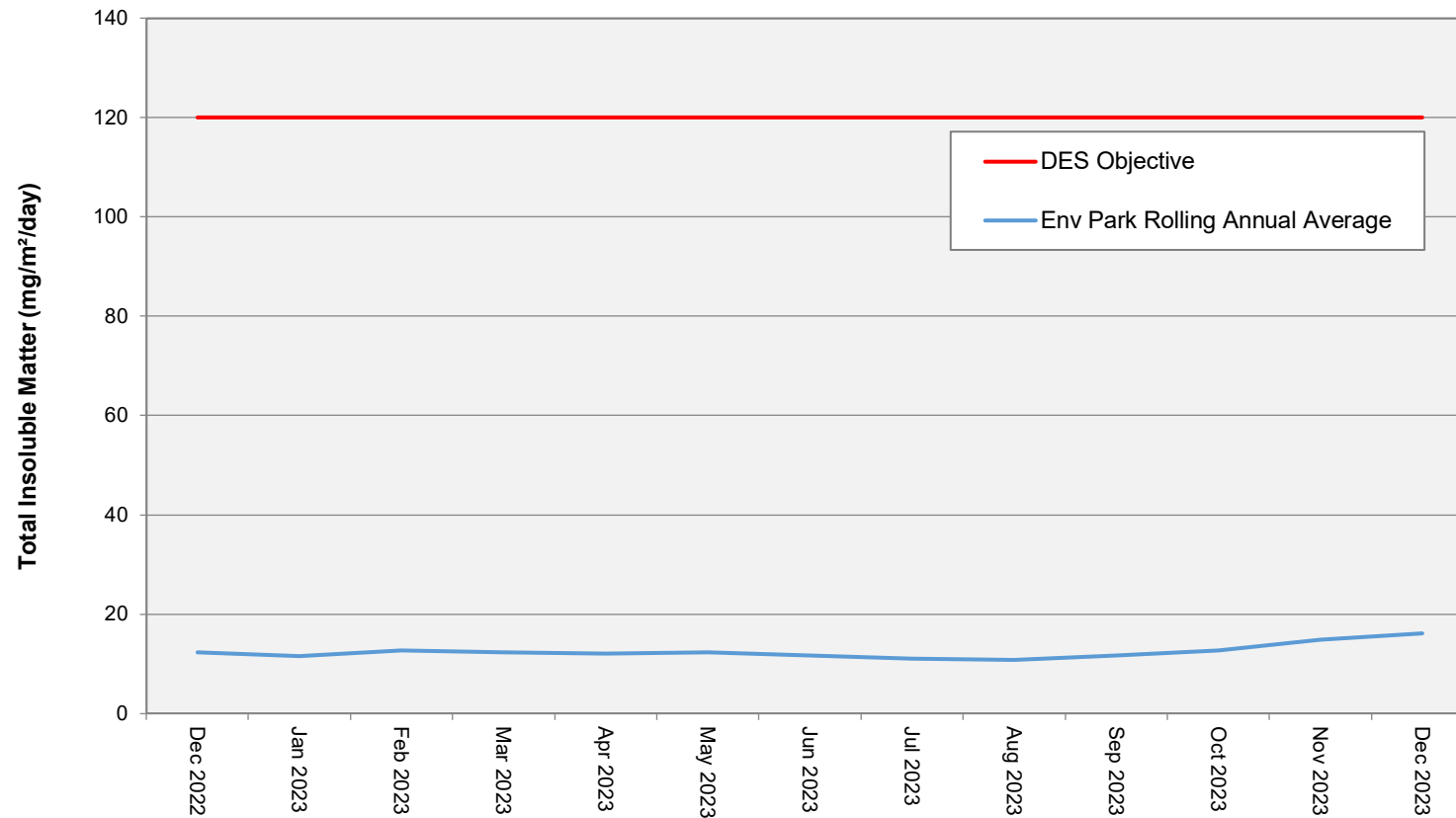
[Click here](#) for information on how to interpret this data

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



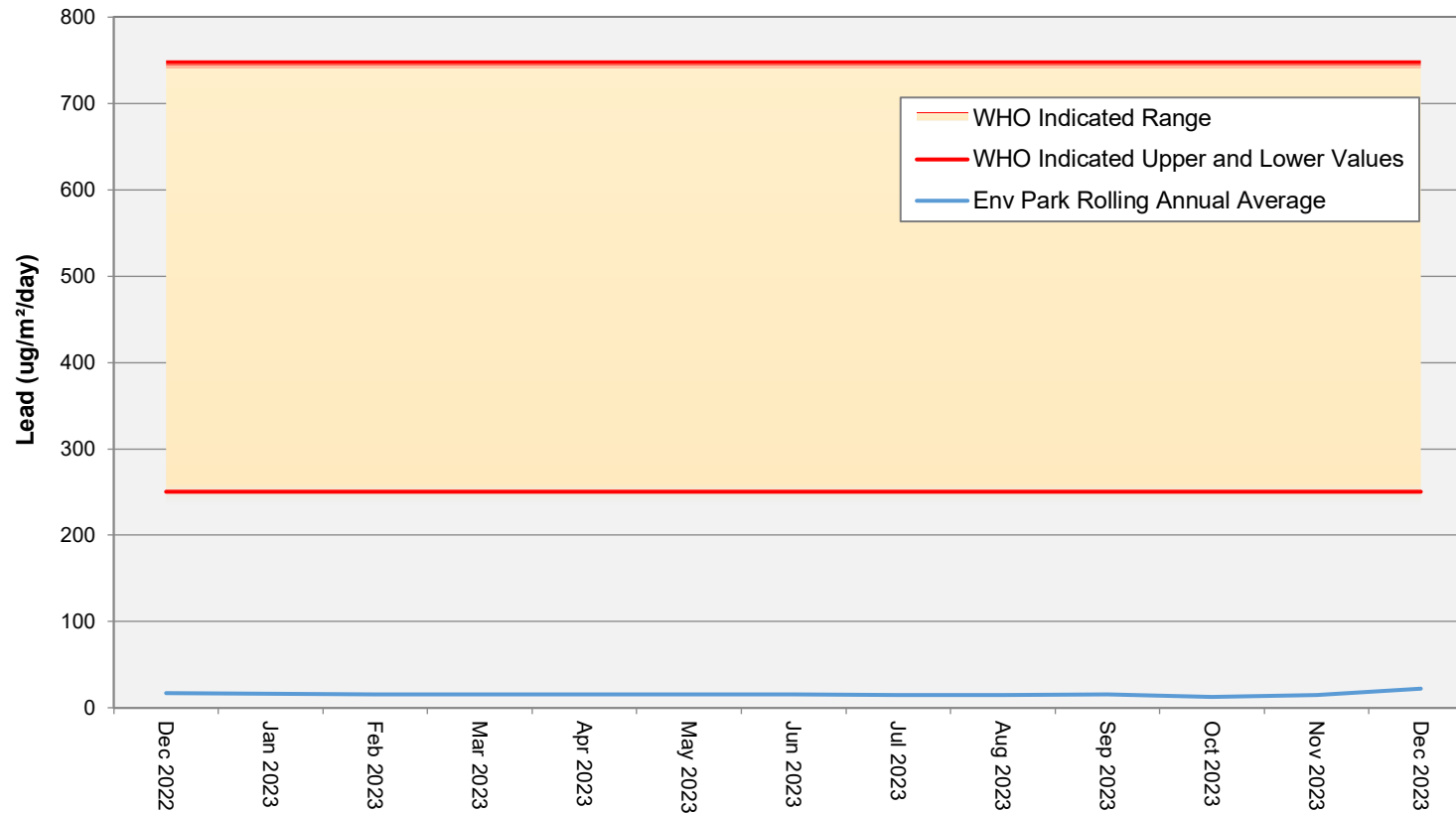
Note: Rolling 3-month average = the moving average of the previous 2 months and the current month result

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



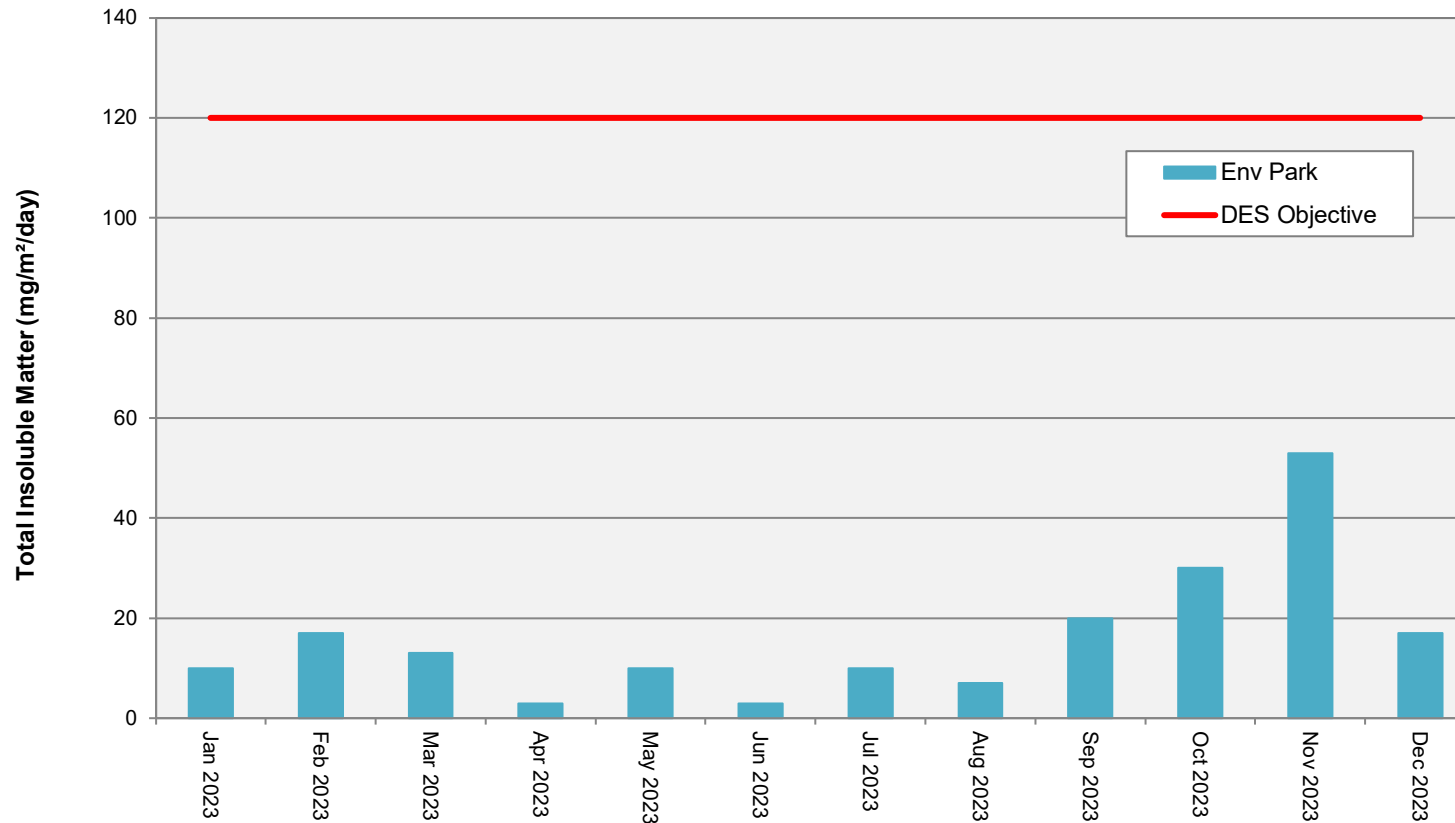
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



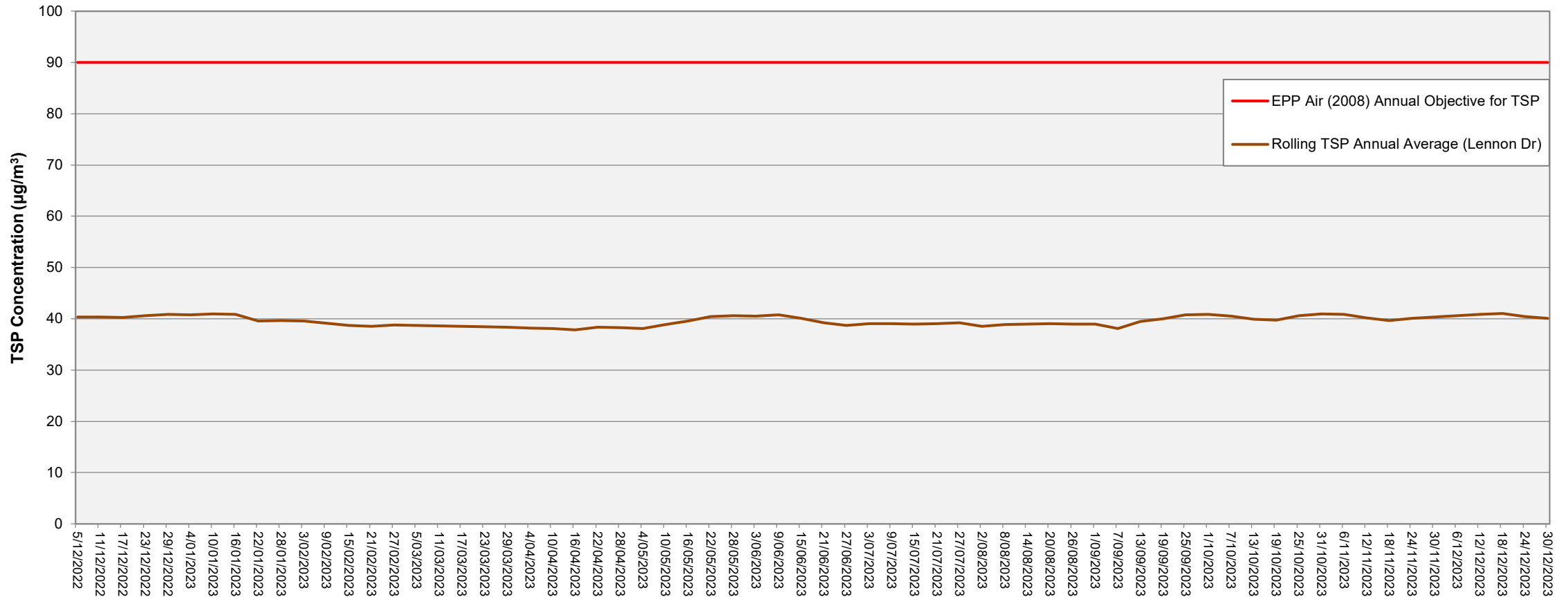
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



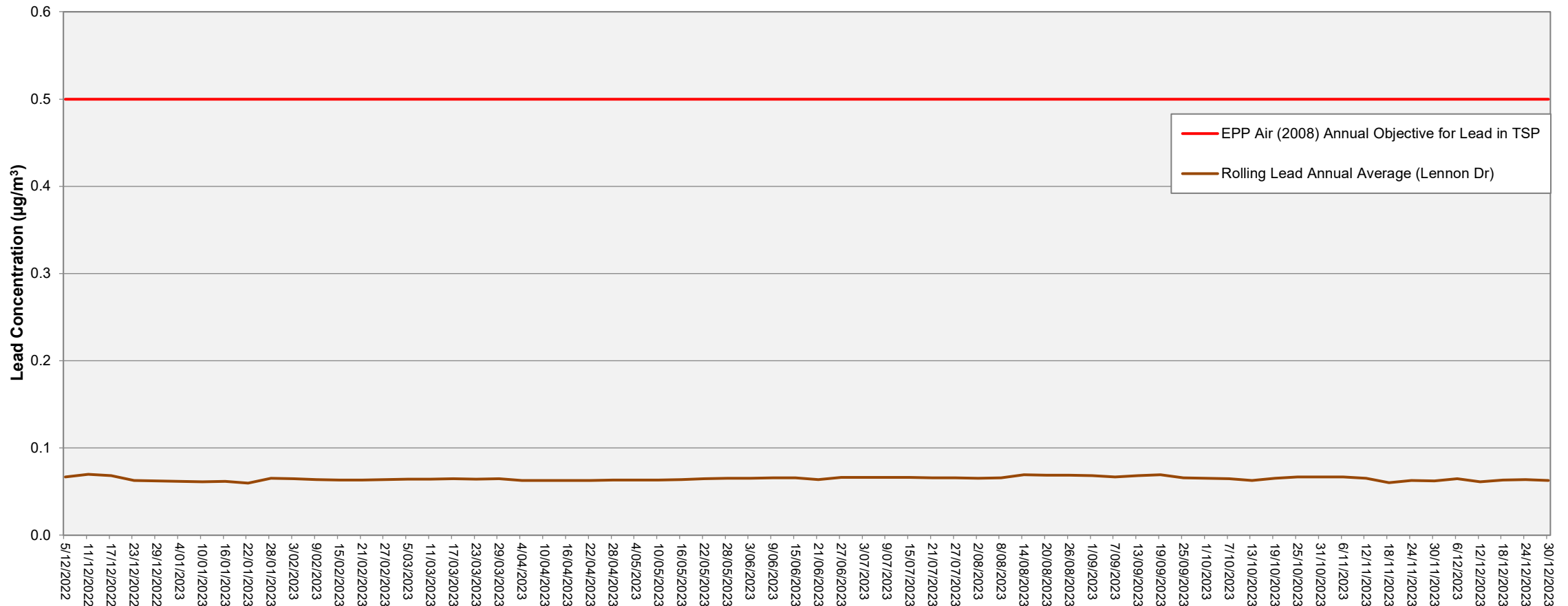
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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



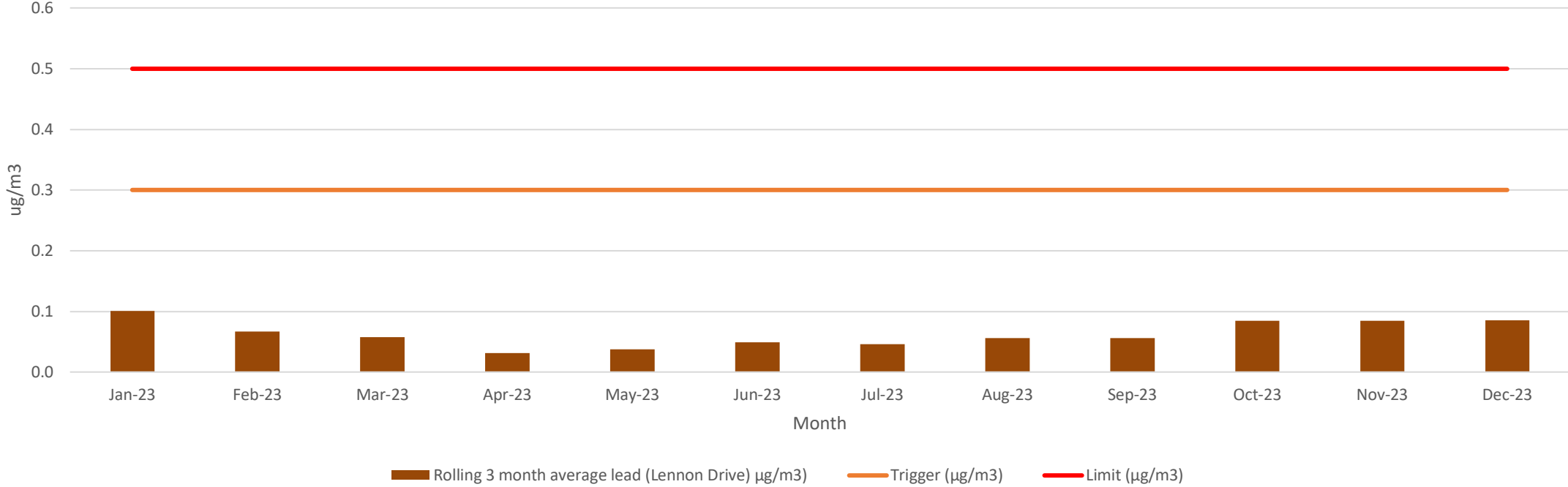
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



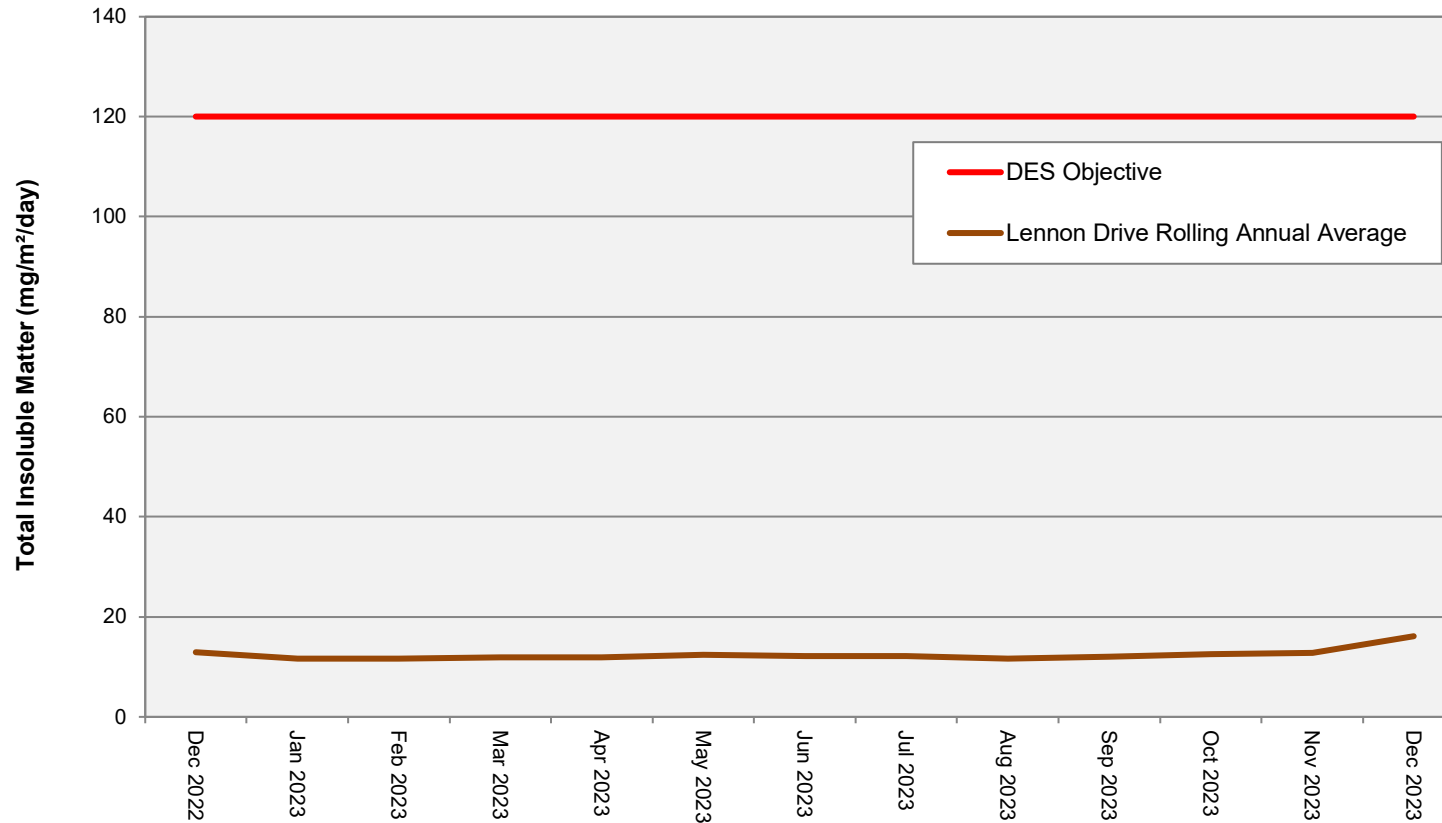
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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

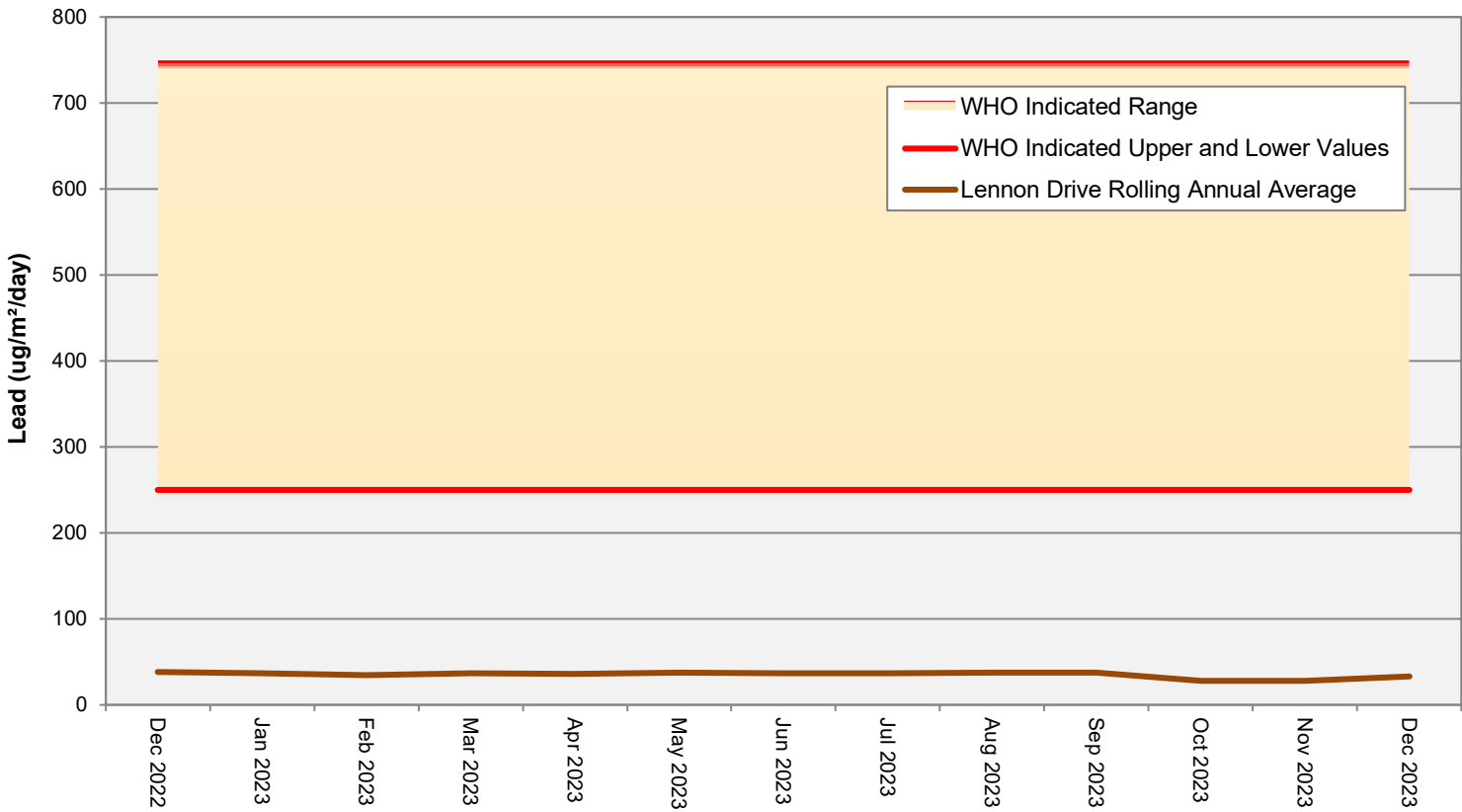
Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site December 2022 – December 2023



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

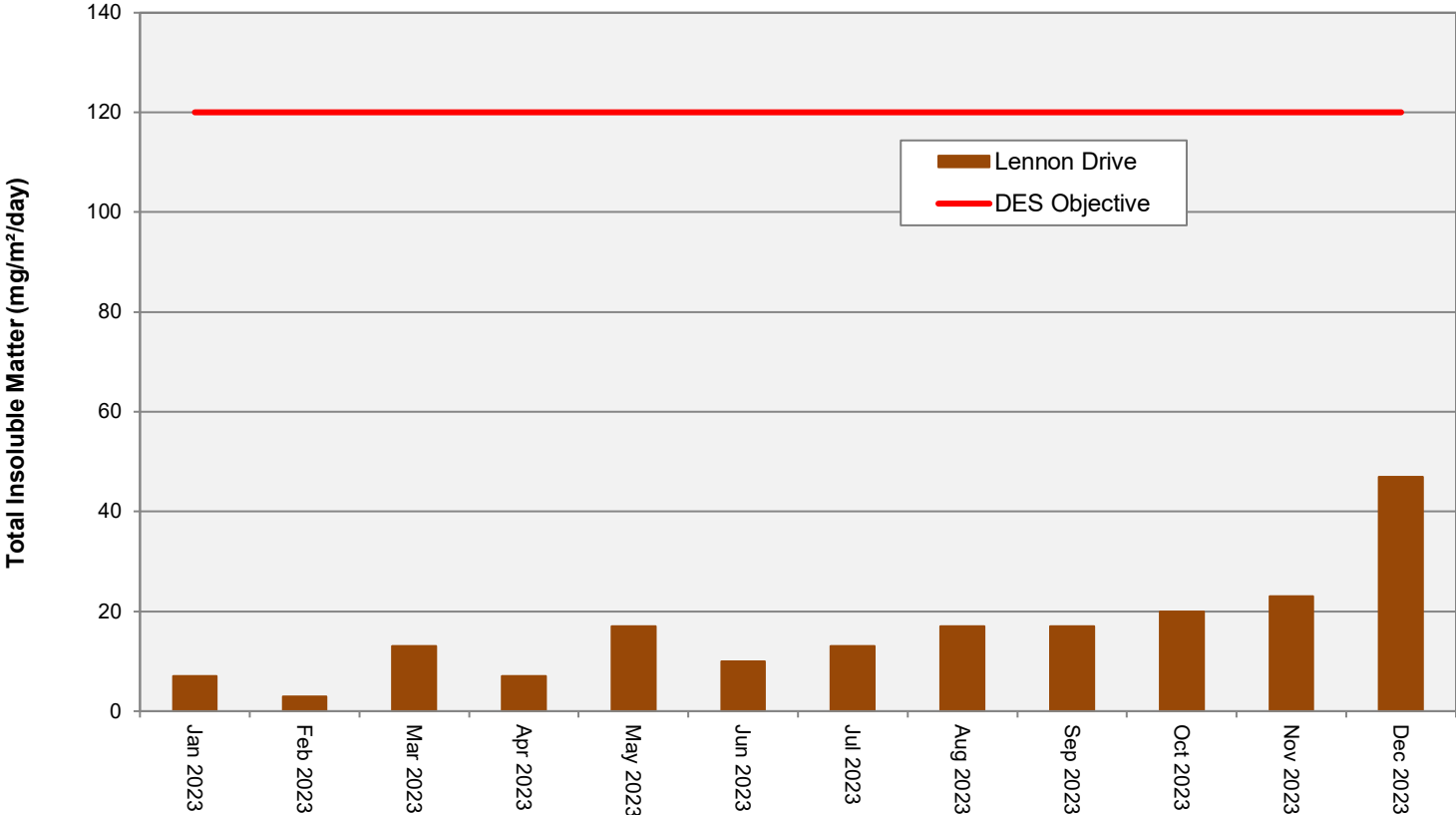
[Click here](#) for information on how to interpret this data

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