

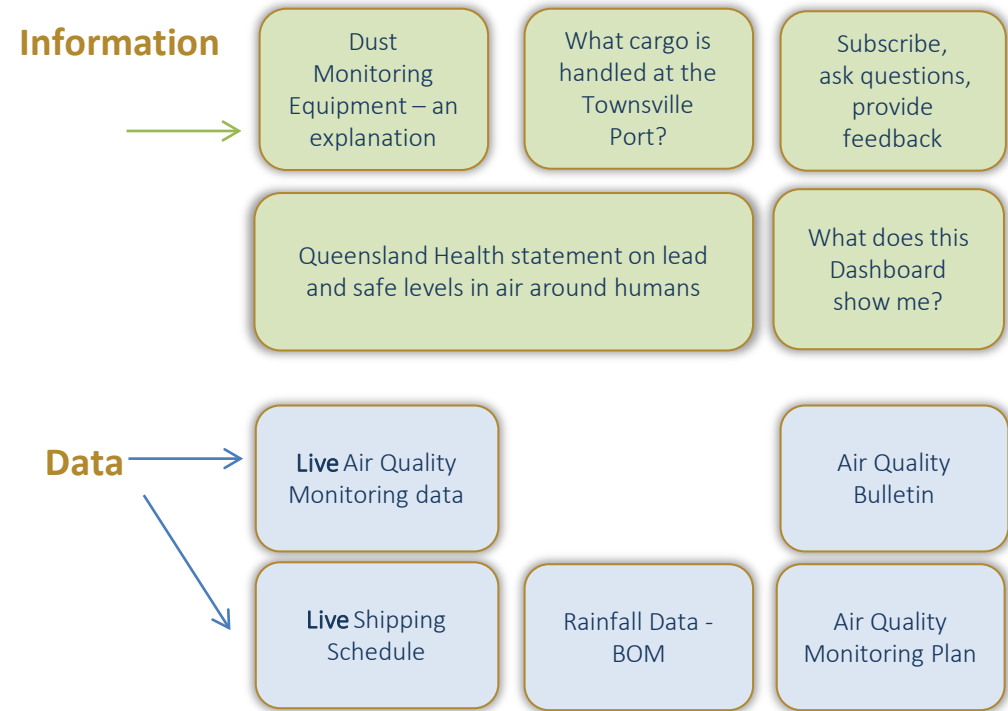
Air Quality Dashboard | July | 2023

AIR QUALITY MONITORING IN TOWNSVILLE

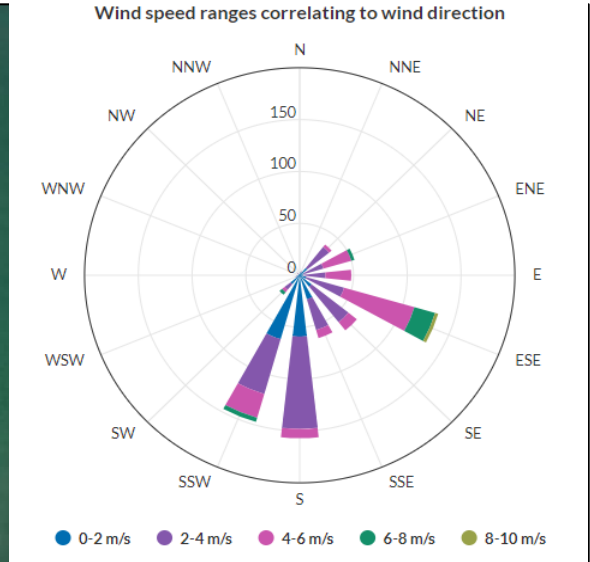
Air Quality Monitoring in Townsville is conducted separately by both the Department of Environment and Science (DES), and Port of Townsville Limited.

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 July 2023

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

Date In/Out	Vessel Name	Cargo	Berth
28 Jun 2023 - 01 Jul 2023	THOR NIRAMIT	FERTILIZER (EXPORT)	4
29 Jun 2023 - 05 Jul 2023	AFRICAN QUAIL	SULPHUR (IMPORT) FERTILIZER (EXPORT)	8
30 Jun 2023 - 02 Jul 2023	WESTERN FEDORA	LEAD INGOTS (EXPORT)	3 STH
30 Jun 2023 - 04 Jul 2023	ADF	ARMY EQUIPMENT (EXPORT)	10
01 Jul 2023 - 03 Jul 2023	OCEAN UTE	FODDER (EXPORT)	3 NTH
01 Jul 2023 - 02 Jul 2023	GELBRAY EXPRESS	CATTLE (EXPORT)	4
01 Jul 2023 - 04 Jul 2023	PRT BELLE	SUGAR (EXPORT)	9
02 Jul 2023 - 05 Jul 2023	KONDILI	CEMENT (IMPORT)	4
03 Jul 2023 - 03 Jul 2023	OCEAN UTE	FODDER (EXPORT)	3 STH
04 Jul 2023 - 08 Jul 2023	NEW COMMANDER	ZINC CONCENTRATES (IMPORT)	10
04 Jul 2023 - 06 Jul 2023	KYOWA ROSE	TYRES (IMPORT) CONTAINERS (EXPORT)	3 NTH
04 Jul 2023 - 06 Jul 2023	ANANYA NAREE	SUGAR (EXPORT)	9
05 Jul 2023 - 07 Jul 2023	SUVA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
05 Jul 2023 - 06 Jul 2023	STOLT YURI	TALLOW (EXPORT)	8
06 Jul 2023 - 06 Jul 2023	SWALLOW ACE	GENERAL CARGO (IMPORT)	3 NTH
06 Jul 2023 - 08 Jul 2023	BERGE DOI INTHANON	SUGAR (EXPORT)	9
07 Jul 2023 - 08 Jul 2023	THERESA MICRONESIA	MOLASSES (EXPORT)	8
07 Jul 2023 - 07 Jul 2023	DEVON EXPRESS	CATTLE (EXPORT)	4
07 Jul 2023 - 09 Jul 2023	JAWAN	CATTLE (EXPORT)	3 NTH
07 Jul 2023 - 08 Jul 2023	KYOWA ORCHID	TYRES (IMPORT) COPPER REFINED (EXPORT)	3 STH
09 Jul 2023 - 09 Jul 2023	ADF	ARMY EQUIPMENT (EXPORT)	10
09 Jul 2023 - 11 Jul 2023	PORT MACAU	SUGAR (EXPORT)	9
10 Jul 2023 - 10 Jul 2023	ADF	ARMY EQUIPMENT (EXPORT)	10
10 Jul 2023 - 12 Jul 2023	GOLDEN CREATION	MOLASSES (EXPORT)	8
10 Jul 2023 - 12 Jul 2023	NH SIRI	FUELS (IMPORT)	1
11 Jul 2023 - 11 Jul 2023	CRONUS LEADER	MOTOR VEHICLES (IMPORT)	4
11 Jul 2023 - 12 Jul 2023	POLARIS HIGHWAY	MOTOR VEHICLES (IMPORT)	3 NTH
11 Jul 2023 - 14 Jul 2023	KONDILI	CEMENT (IMPORT)	4
12 Jul 2023 - 12 Jul 2023	GRACEFUL LEADER	MOTOR VEHICLES (IMPORT)	10
15 Jul 2023 - 20 Jul 2023	ADF		10
15 Jul 2023 - 18 Jul 2023	ADF		4
12 Jul 2023 - 13 Jul 2023	RIN TREASURE	SUGAR (EXPORT)	9
12 Jul 2023 - 14 Jul 2023	NEW COMMANDER	ZINC CONCENTRATES (IMPORT)	10
13 Jul 2023 - 14 Jul 2023	DAIWAN MIRACLE	SUGAR (EXPORT)	9

Date In/Out	Vessel Name	Cargo	Berth
14 Jul 2023 - 14 Jul 2023	NEW COMMANDER	ZINC CONCENTRATES (IMPORT)	3 STH
14 Jul 2023 - 18 Jul 2023	NEW COMMANDER	ZINC CONCENTRATES (IMPORT)	8
15 Jul 2023 - 17 Jul 2023	EIDSVAAK OMEGA	GENERAL CARGO (IMPORT)	3 NTH
16 Jul 2023 - 18 Jul 2023	FLORA DELMAS	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
16 Jul 2023 - 17 Jul 2023	BBC DART	MOTOR VEHICLES (IMPORT)	4
18 Jul 2023 - 19 Jul 2023	NEW COMMANDER	ZINC CONCENTRATES (IMPORT)	3 STH
18 Jul 2023 - 21 Jul 2023	ADF		8
19 Jul 2023 - 20 Jul 2023	NADI CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
19 Jul 2023 - 20 Jul 2023	GOLDEN CHIE	FUELS (IMPORT)	1
21 Jul 2023 - 22 Jul 2023	AUROCHS	CATTLE (EXPORT)	4
21 Jul 2023 - 21 Jul 2023	JSP PORTO	GENERAL/BREAK BULK (IMPORT)	3 NTH
21 Jul 2023 - 26 Jul 2023	ADF		9
21 Jul 2023 - 22 Jul 2023	SEA HAWK	CONCENTRATES (EXPORT)	8
21 Jul 2023 - 23 Jul 2023	JSP PORTO	GENERAL/BREAK BULK (IMPORT)	3 NTH
22 Jul 2023 - 23 Jul 2023	HAFNIA ANE	FUELS (IMPORT)	1
23 Jul 2023 - 26 Jul 2023	STI GRAMERCY	FUELS (IMPORT)	1
24 Jul 2023 - 27 Jul 2023	NAVIOS VENUS	FERTILIZER (EXPORT)	8
24 Jul 2023 - 25 Jul 2023	SEA HAWK	CONCENTRATES (EXPORT)	11
24 Jul 2023 - 24 Jul 2023	ADF		10
24 Jul 2023 - 25 Jul 2023	HANSA FREYBURG	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
24 Jul 2023 - 25 Jul 2023	OCEAN UTE	CATTLE (EXPORT)	4
26 Jul 2023 - 26 Jul 2023	ERIDANUS LEADER	MOTOR VEHICLES (IMPORT)	10
26 Jul 2023 - 27 Jul 2023	DAREEN	CATTLE (EXPORT)	4
26 Jul 2023 - 28 Jul 2023	MARMARA S	FERTILIZER (IMPORT)	3 NTH
26 Jul 2023 - 27 Jul 2023	ARDMORE SEALION	FUELS (IMPORT)	1
26 Jul 2023 - 27 Jul 2023	ADF		10
27 Jul 2023 - 30 Jul 2023	KASPAR SCHULTE	SUGAR (EXPORT)	9
27 Jul 2023 - 30 Jul 2023	SHANGHAI SPIRIT	COPPER CONCENTRATES (IMPORT)	3 STH
27 Jul 2023 - 28 Jul 2023	ADF		8
27 Jul 2023 - 29 Jul 2023	ANL DHAMBI	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
27 Jul 2023 - 28 Jul 2023	JASPER ARROW	MOTOR VEHICLES (IMPORT)	10
29 Jul 2023 - 30 Jul 2023	GIROLANDO EXPRESS	CATTLE (EXPORT)	10
30 Jul 2023 - 31 Jul 2023	EDWARD OLDENDORFF	ZINC CONCENTRATES (EXPORT)	3 STH
30 Jul 2023 - 30 Jul 2023	GOLDEN AUSTRALIS	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

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OR

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

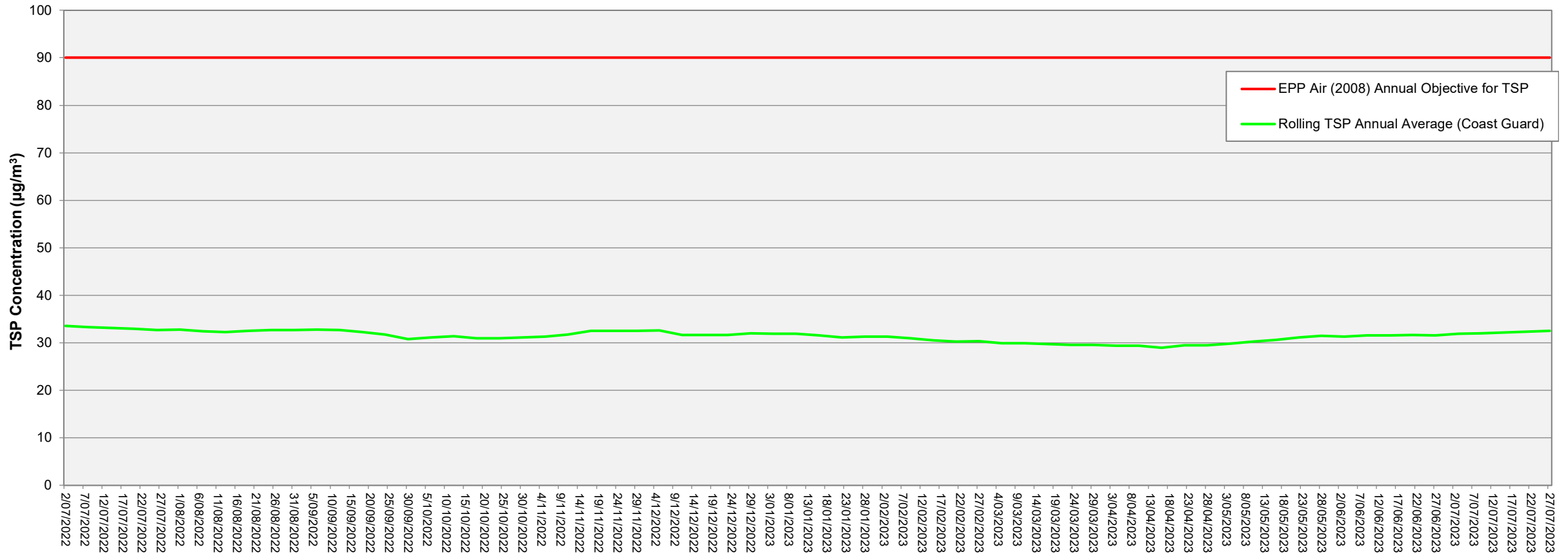
OR

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

Ask a Question / Provide Feedback

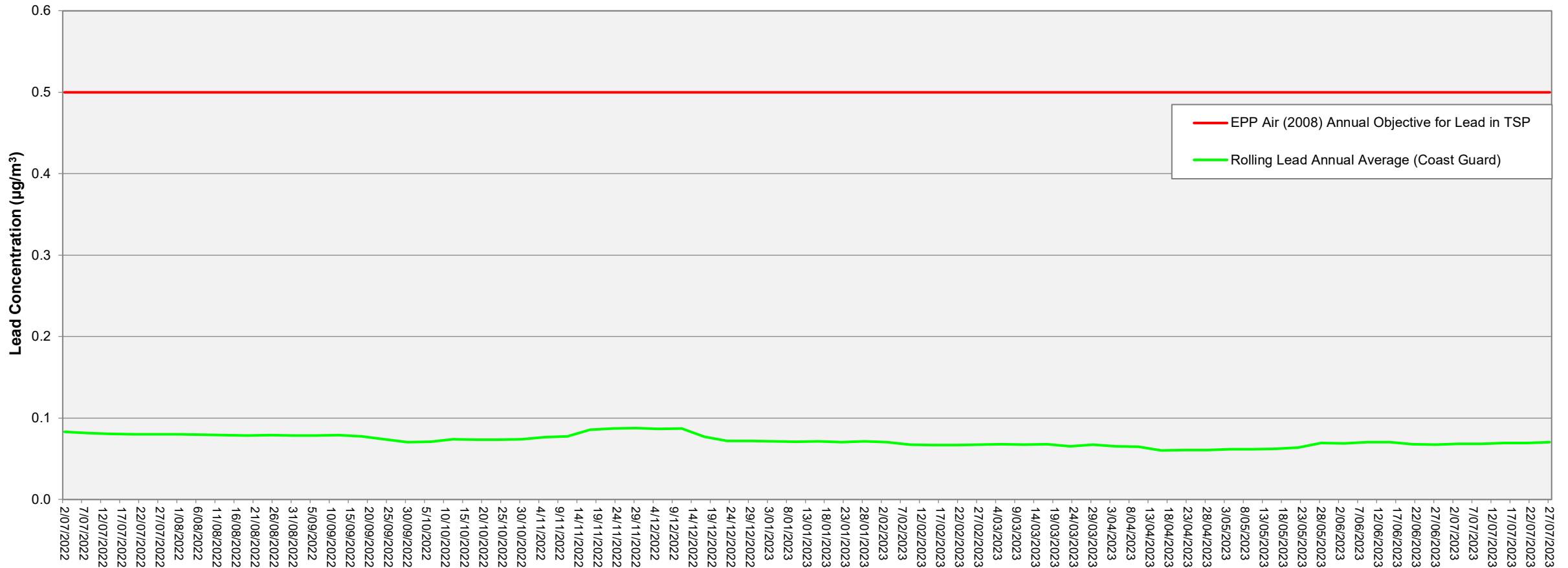
Send your enquiry or feedback to community@townsvilleport.com.au

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



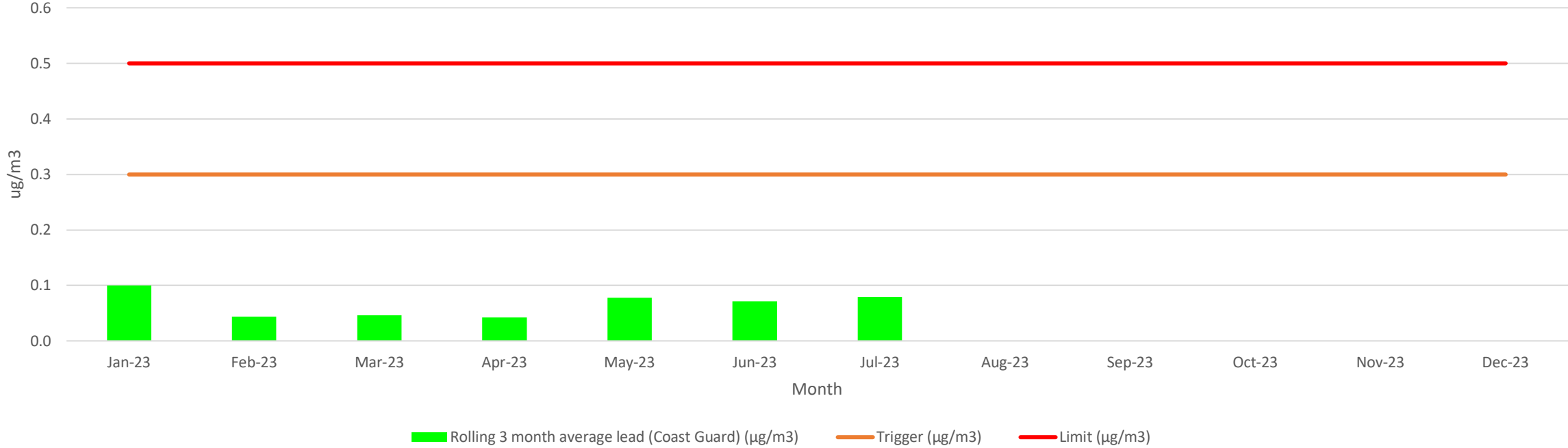
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



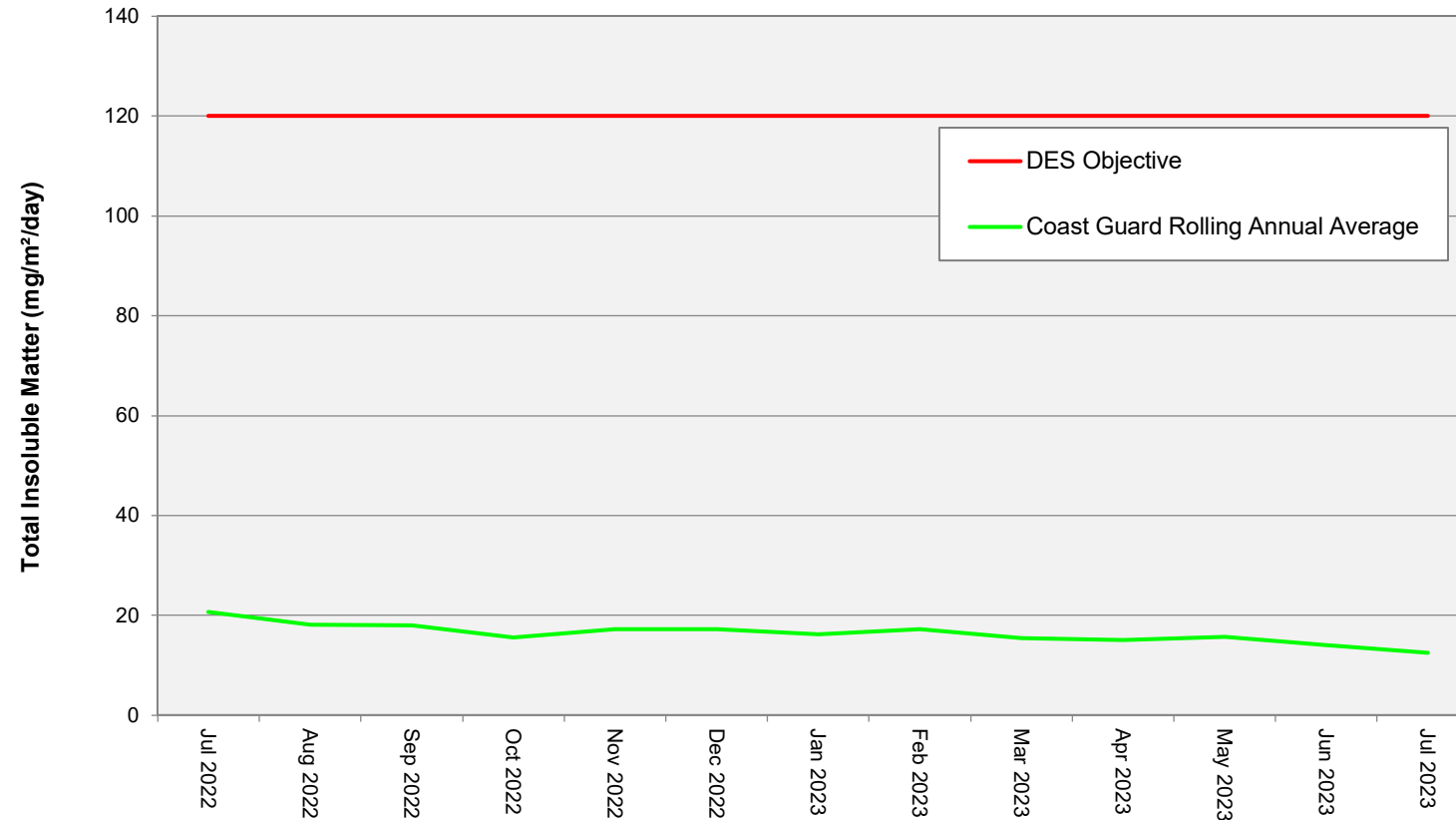
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



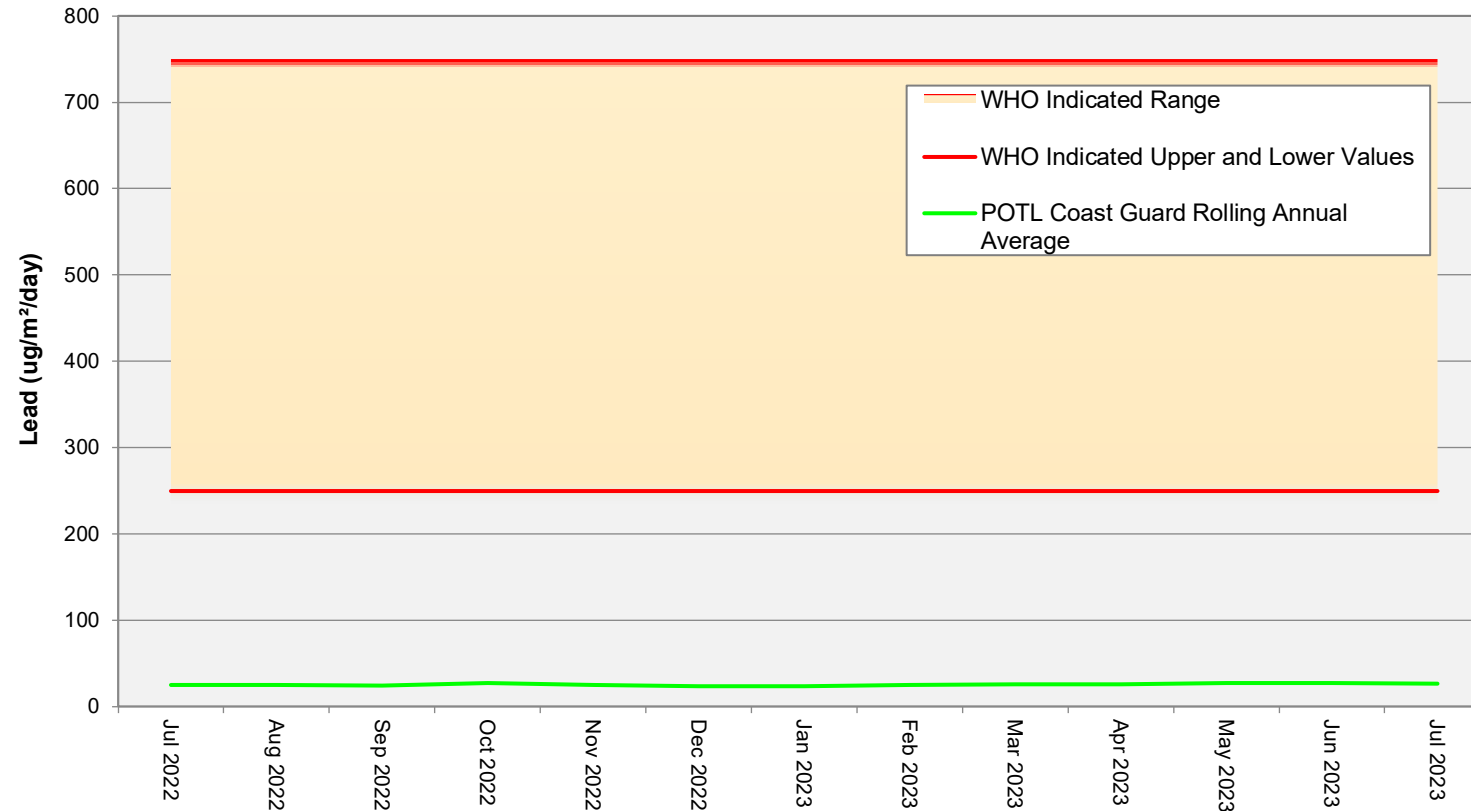
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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



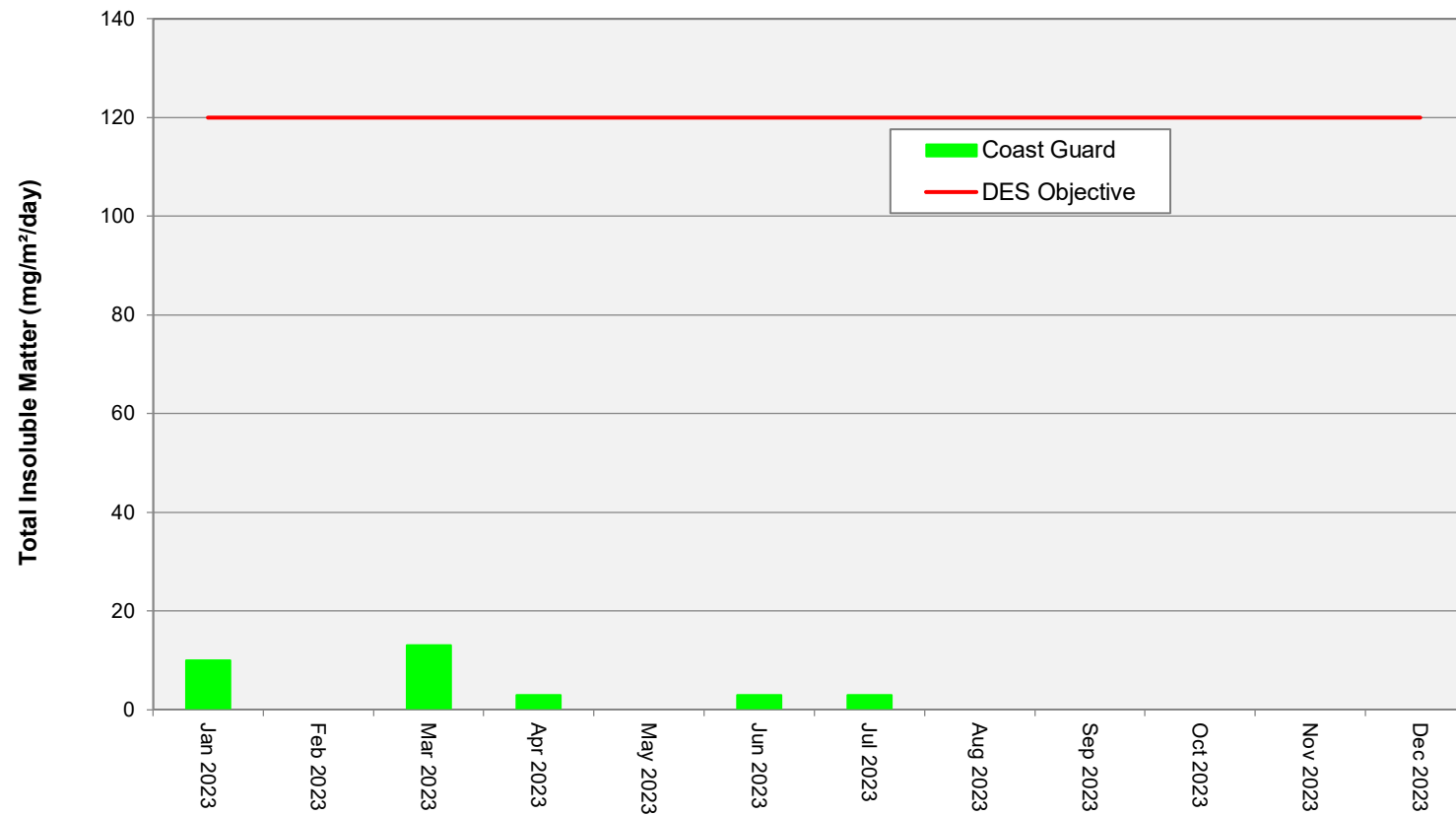
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



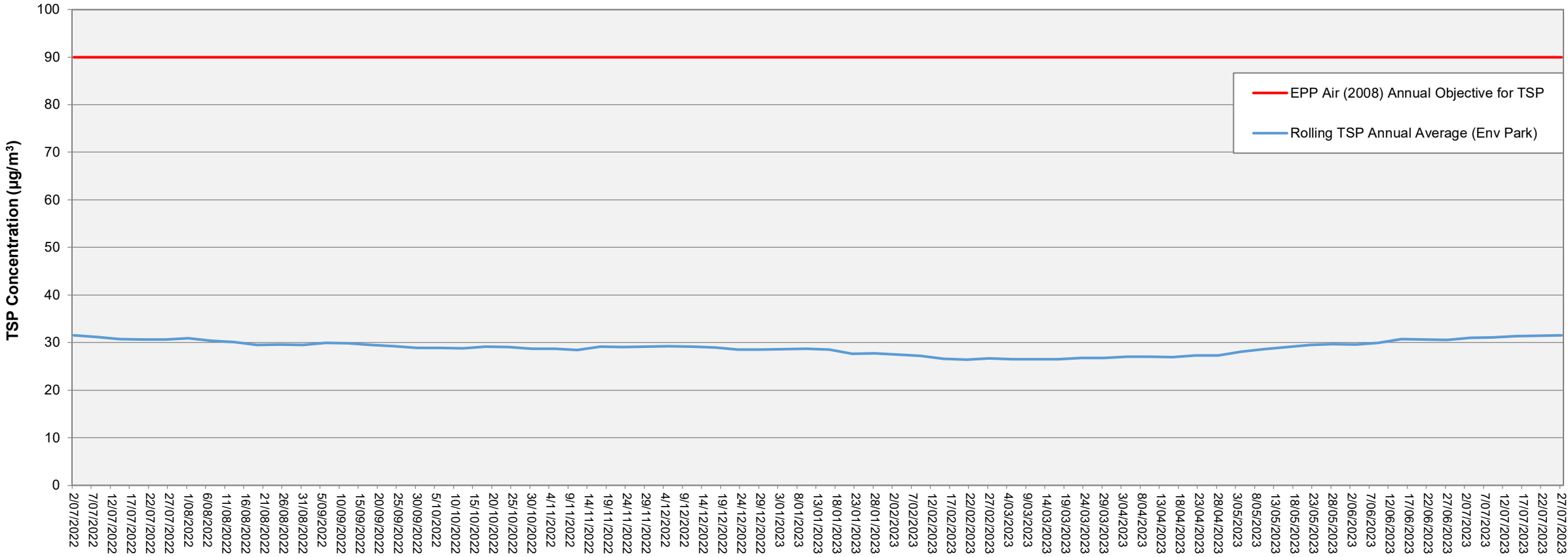
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result.

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



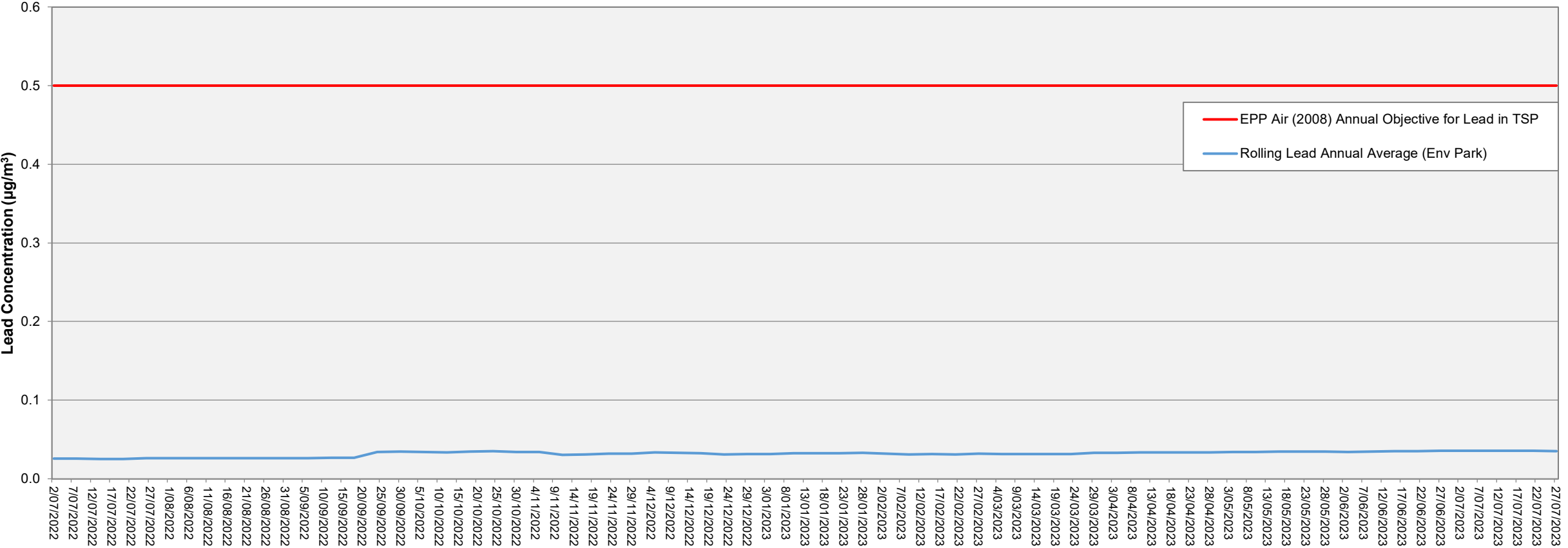
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day.
No result for February 2023 due to Laboratory error.
No result for May 2023 due to Laboratory error.

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



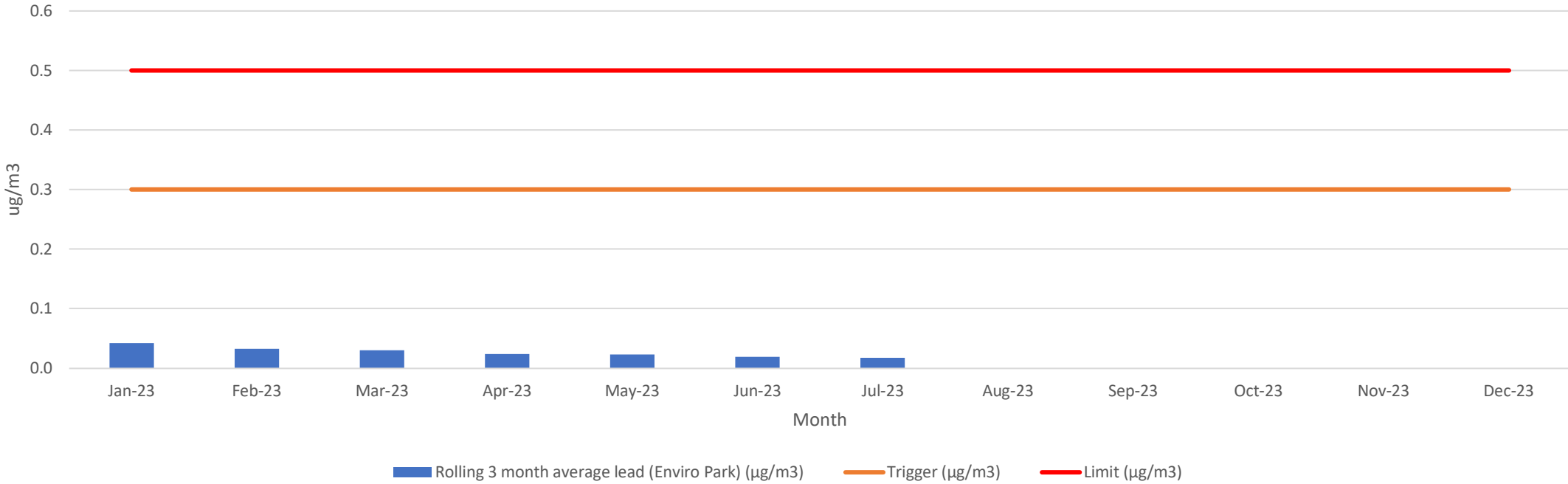
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



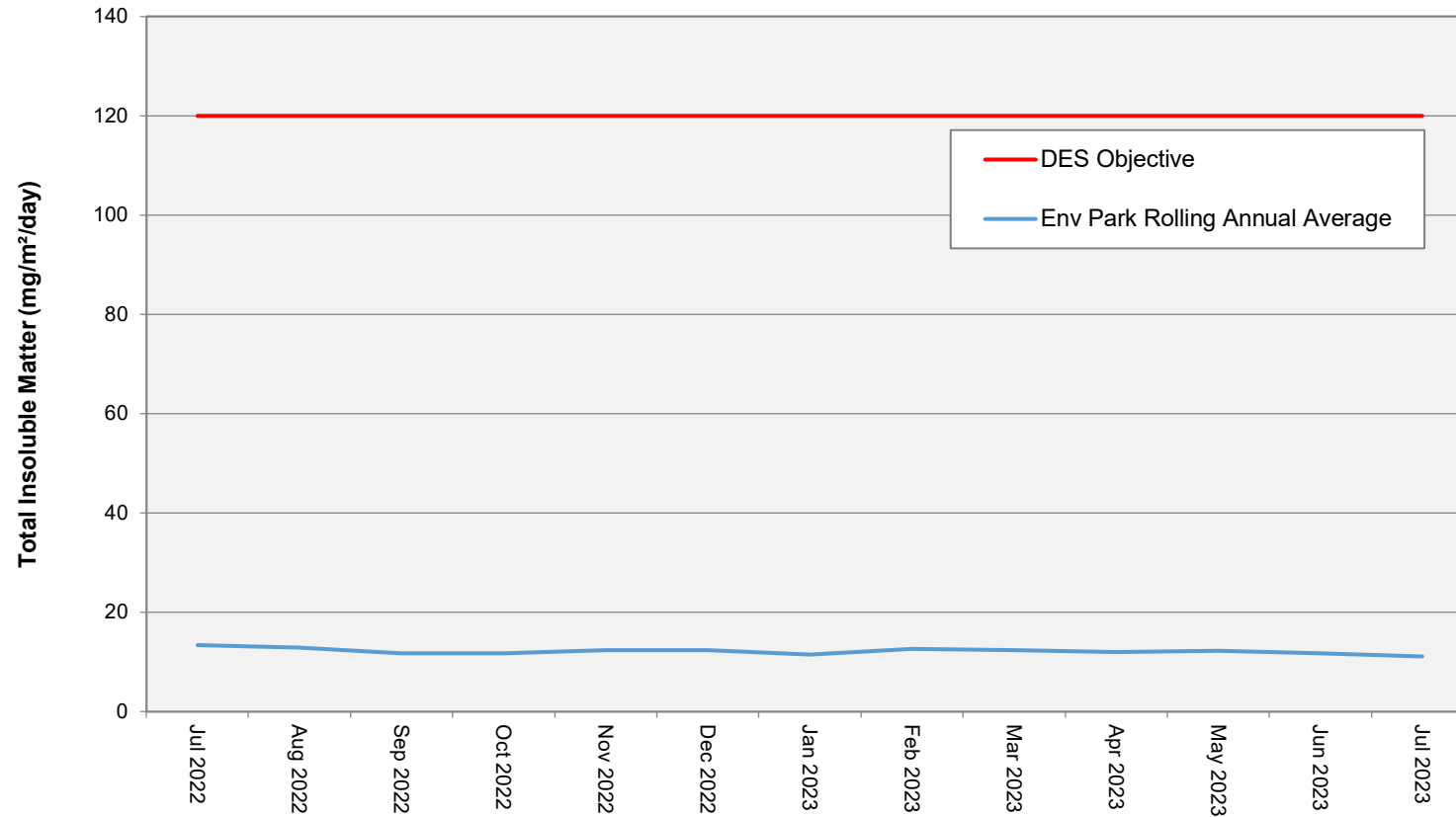
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



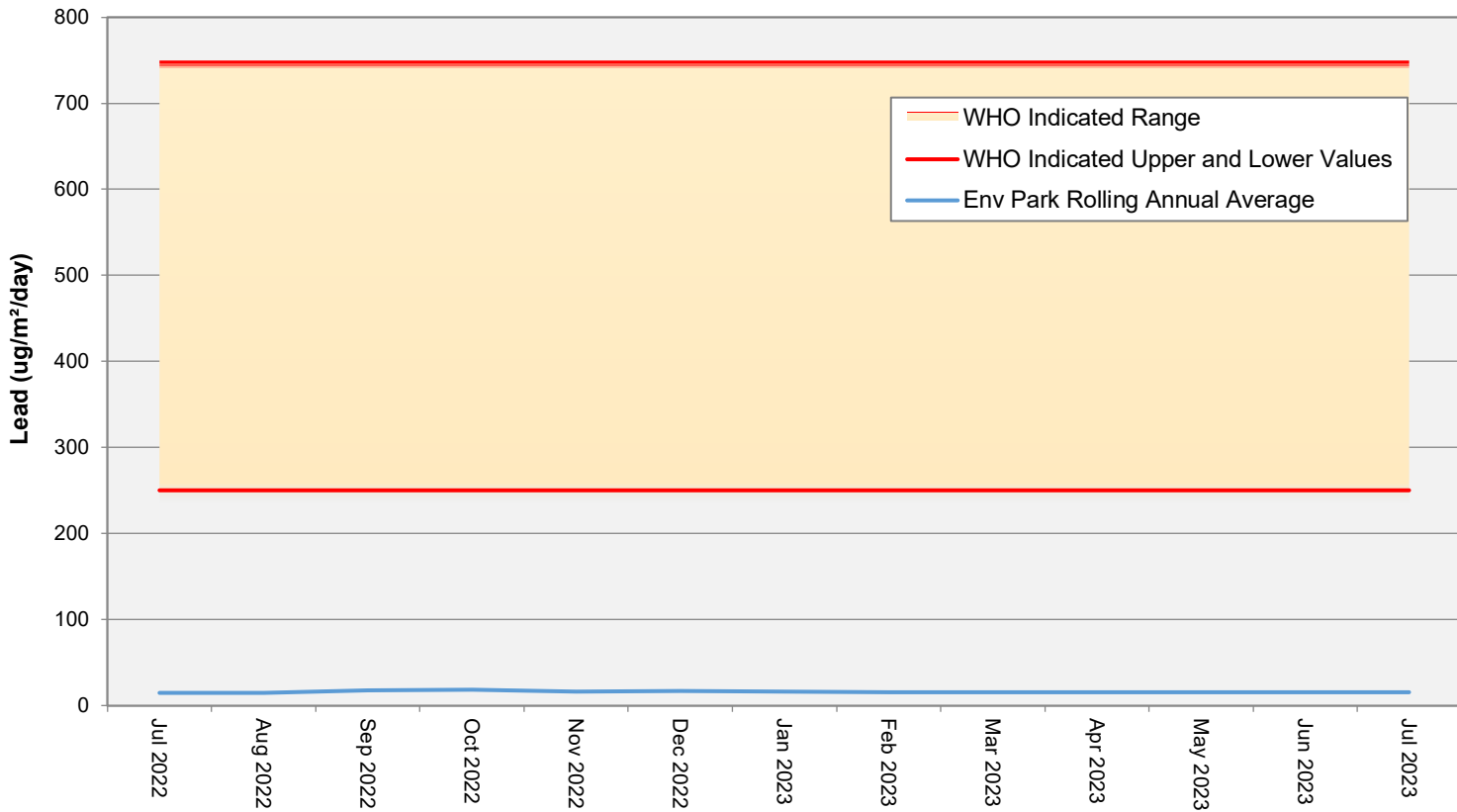
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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



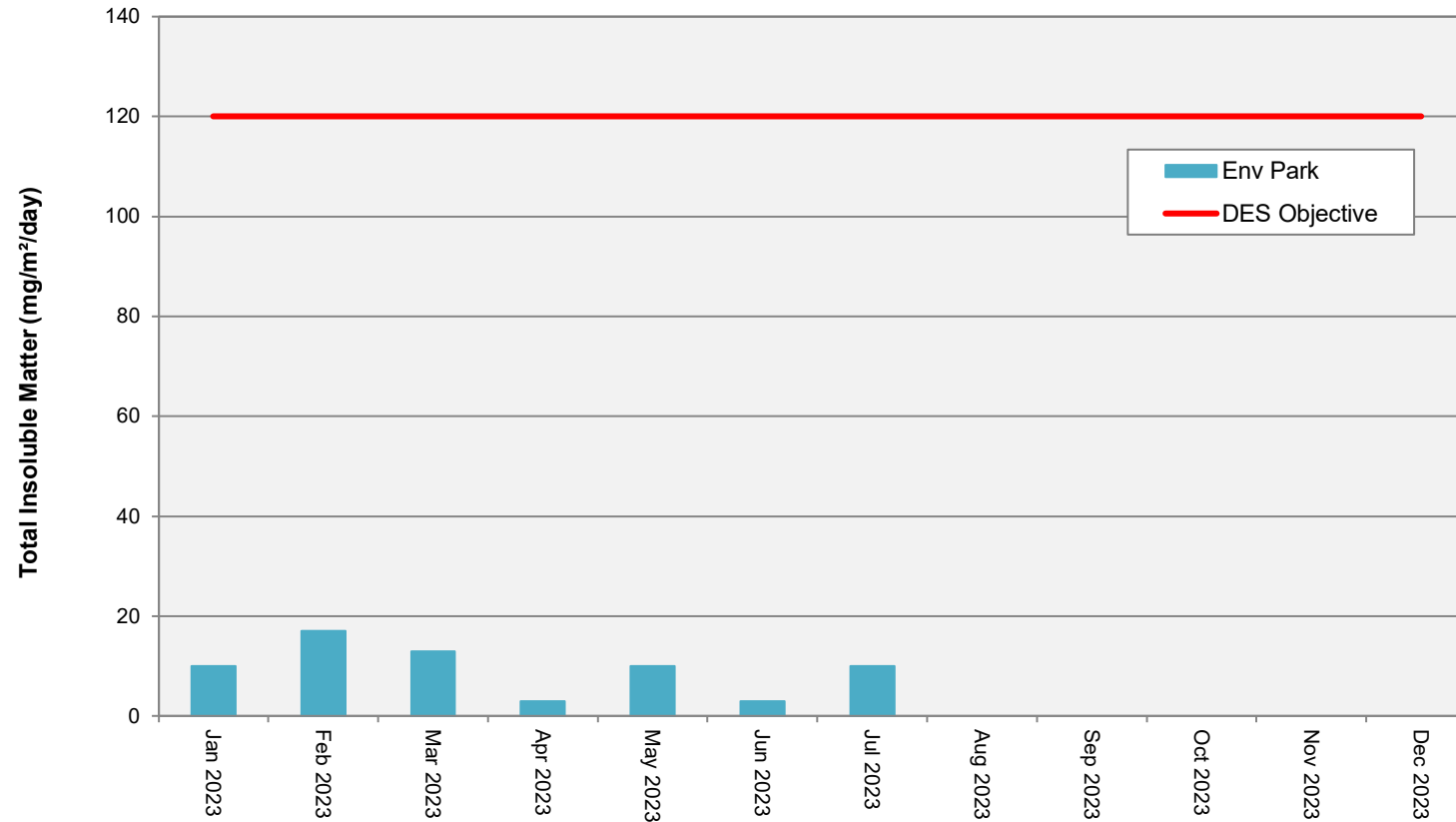
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
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Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site JULY 2022 – JULY 2023



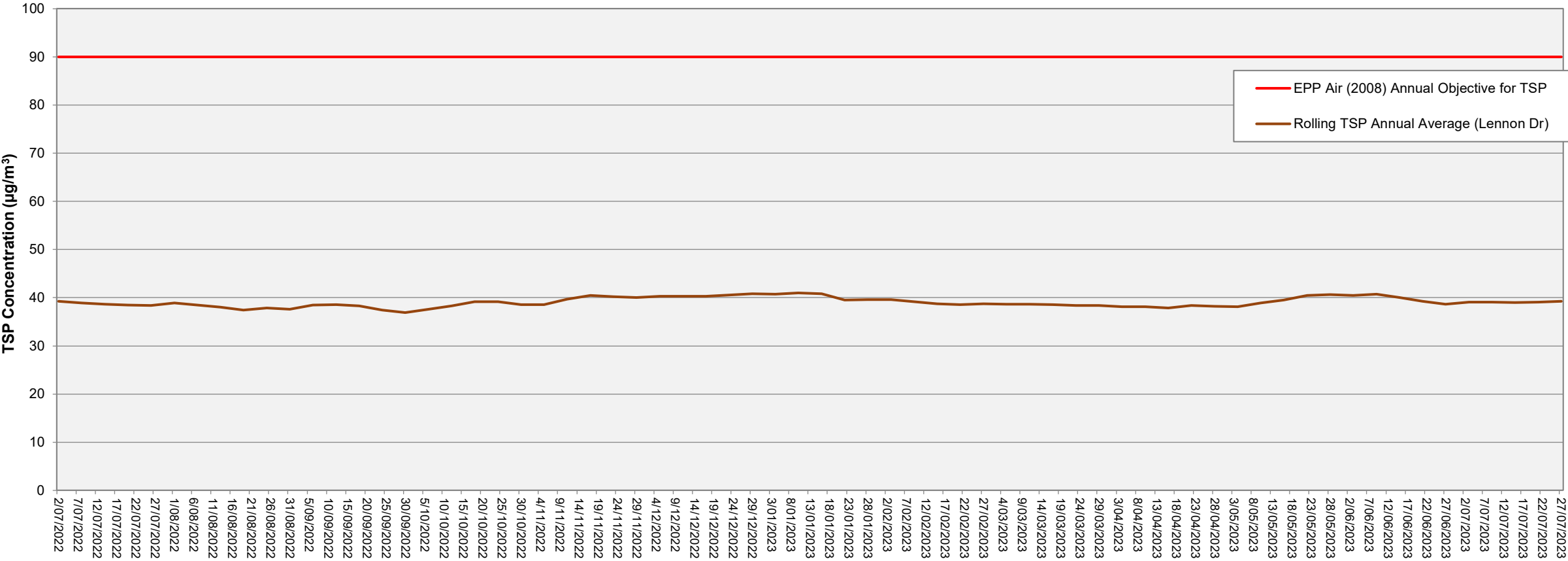
Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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



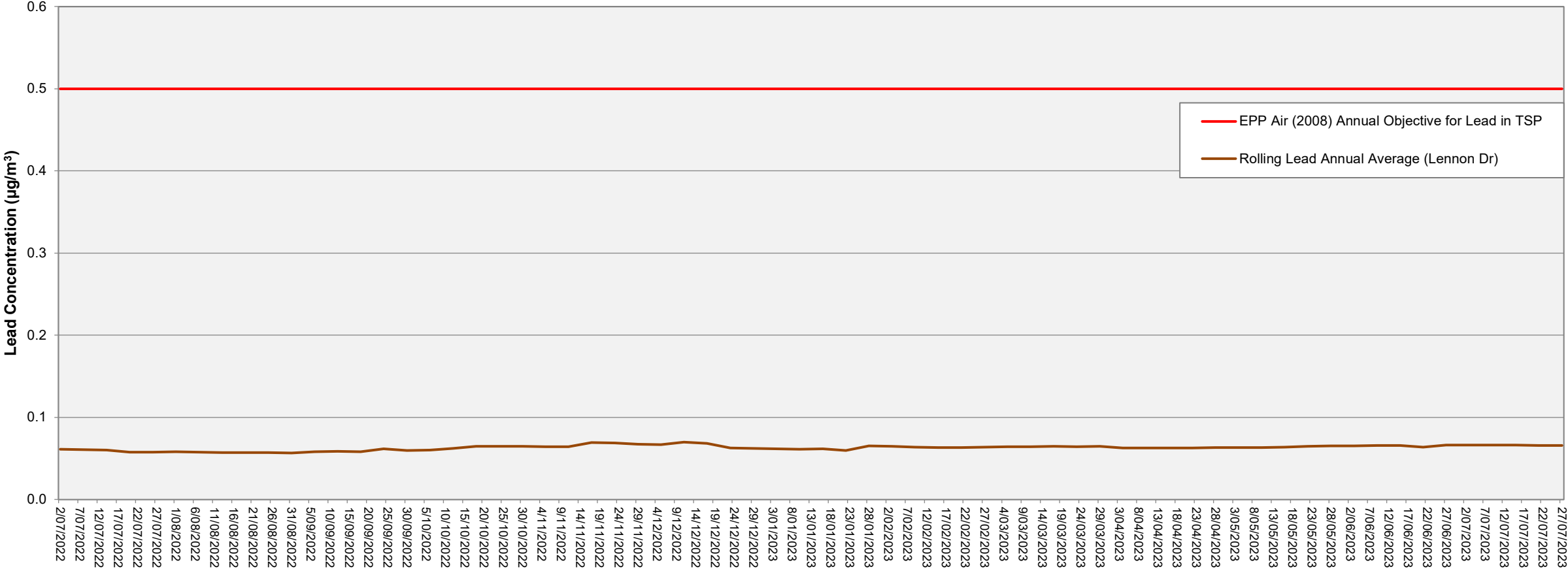
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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



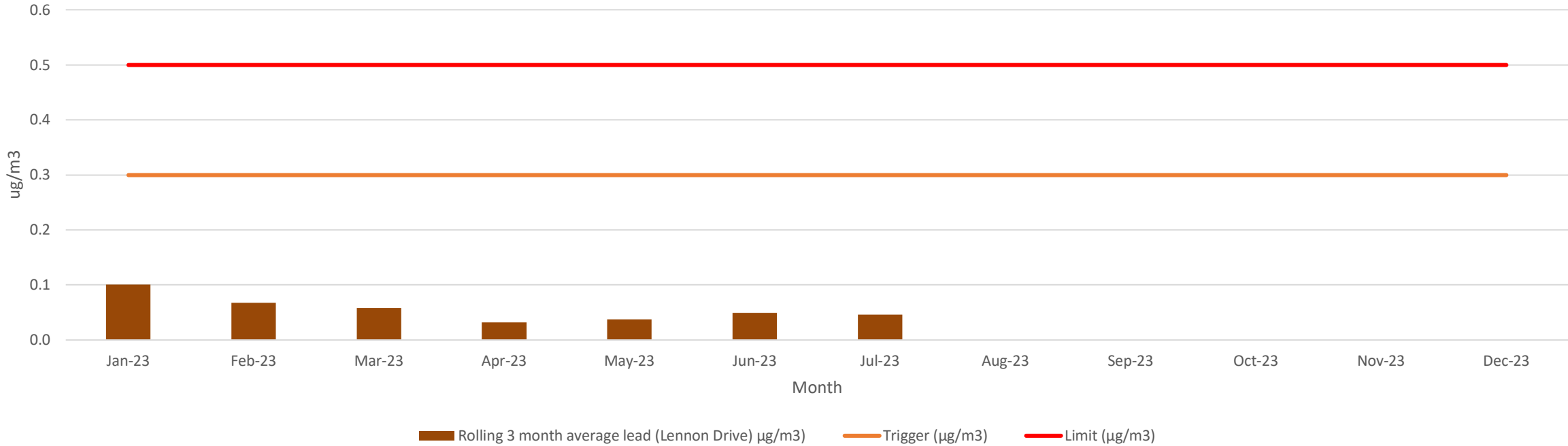
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



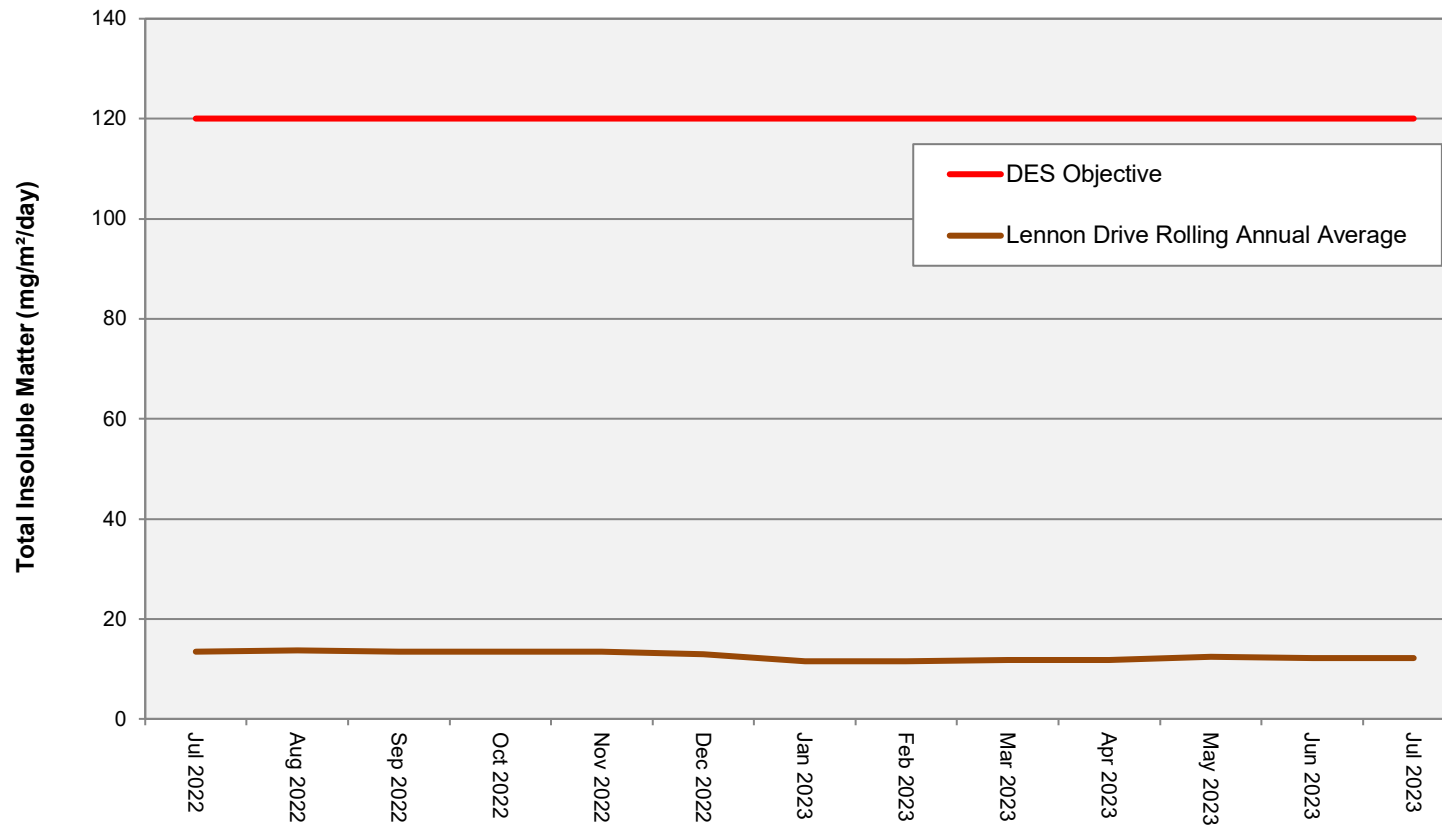
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

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



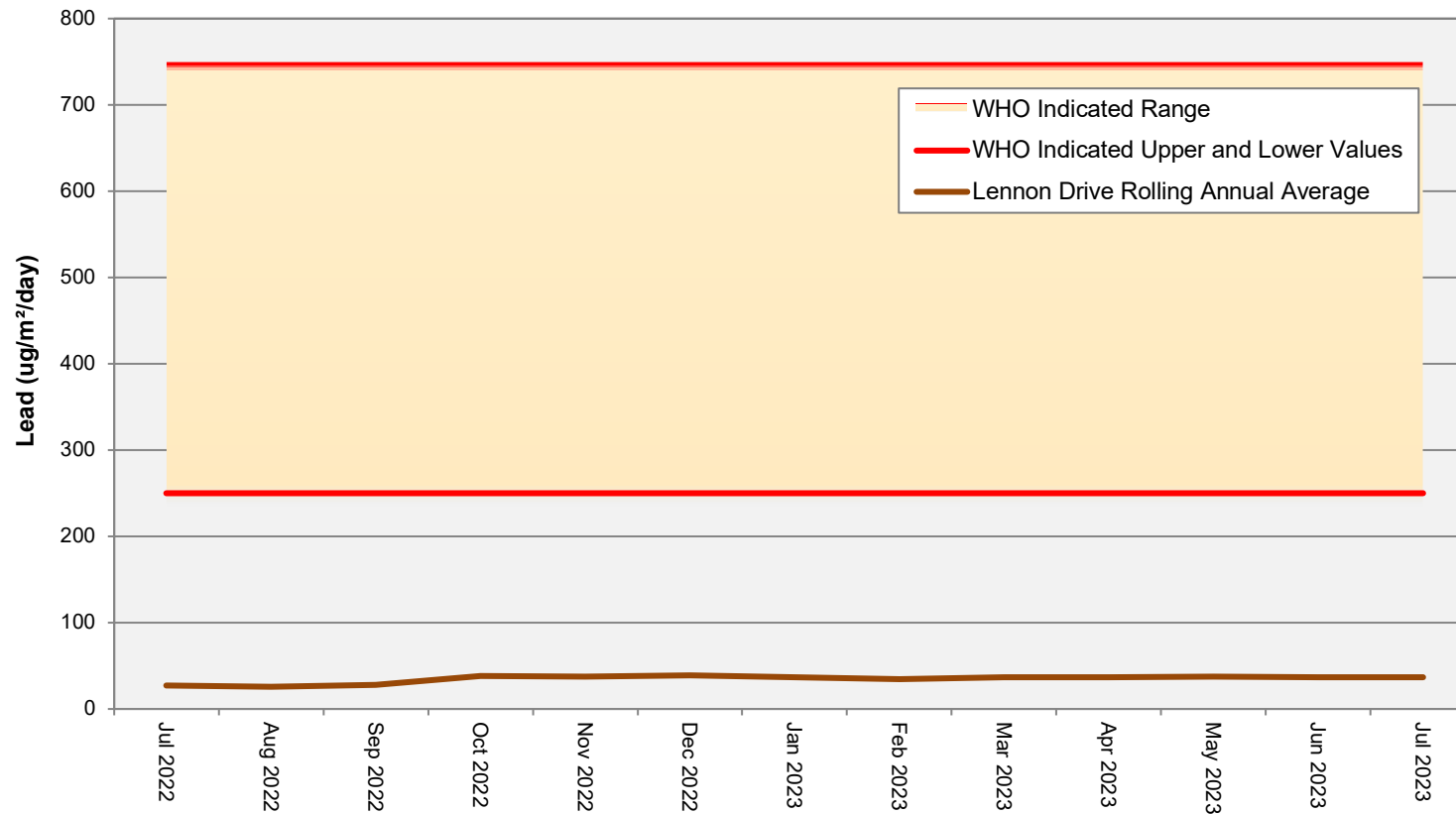
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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



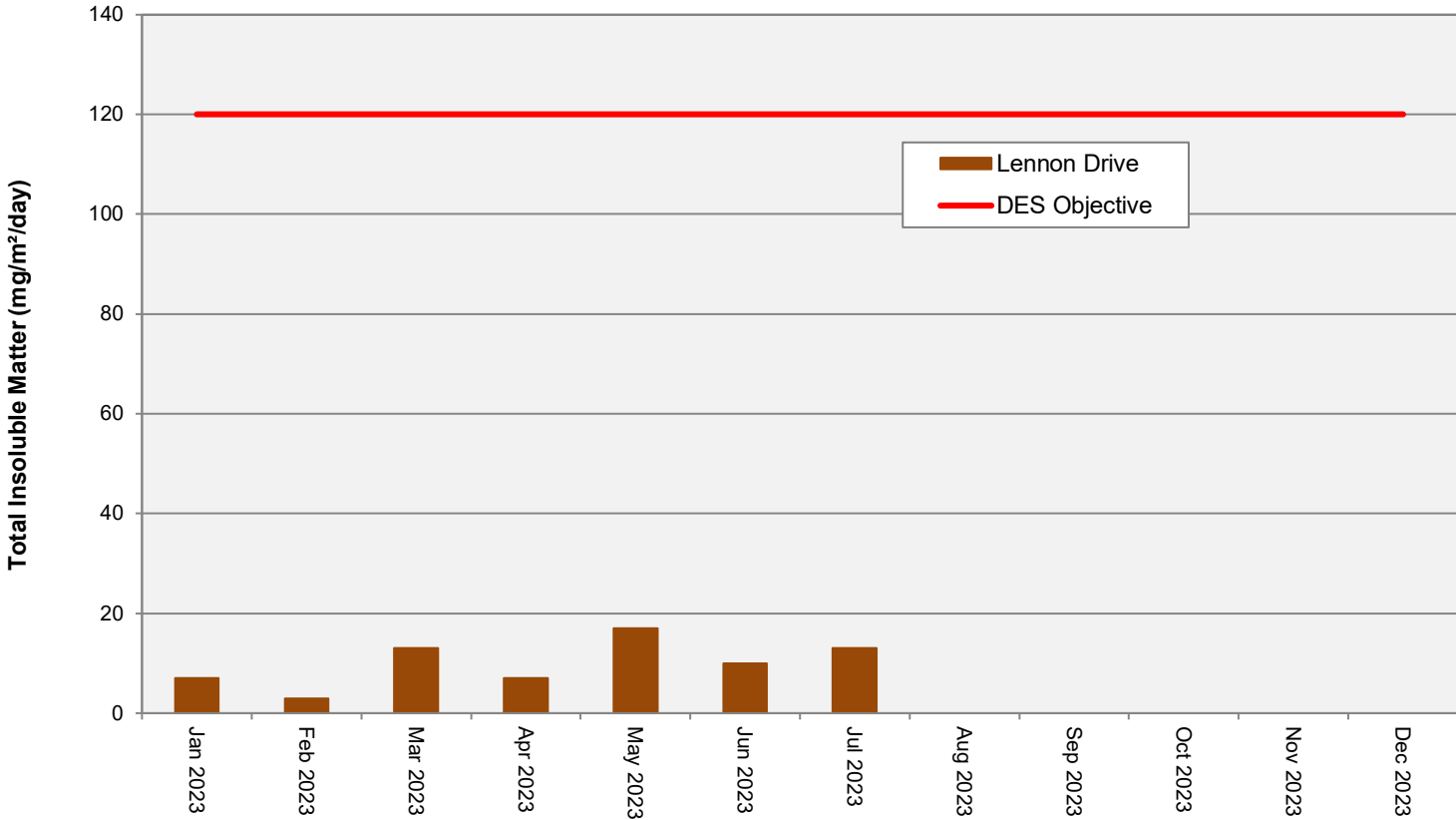
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result

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