

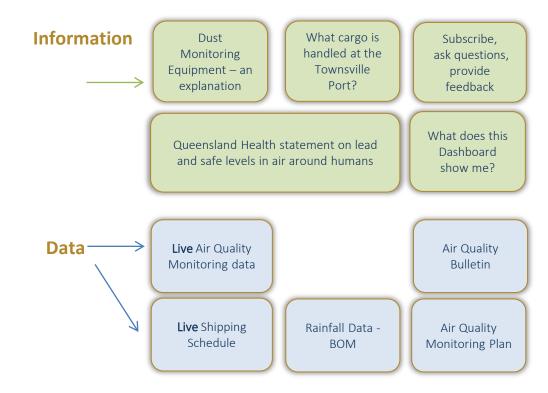
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Click here to visit DES monitoring network

Air Quality Dashboard | November | 2022

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.





Shipping Movements in November 2022

Date In/Out	Vessel Name	Cargo	Berth
01 Nov 2022 - 02 Nov 2022	PALANCA MIAMI	BITUMEN (IMPORT)	1
01 Nov 2022 - 02 Nov 2022	AC SPLENDOR	CONCENTRATES (EXPORT)	8
01 Nov 2022 - 03 Nov 2022	COE LUISA	COPPER REFINED (EXPORT)	3 NTH
02 Nov 2022 - 02 Nov 2022	ONYX ARROW	MOTOR VEHICLES (IMPORT)	10
03 Nov 2022 - 03 Nov 2022	GUDALI EXPRESS	CATTLE (EXPORT)	10
03 Nov 2022 - 04 Nov 2022	TOKYO TRADER	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 NTH
03 Nov 2022 - 05 Nov 2022	THERESA MICRONESIA	MOLASSES (EXPORT)	9
03 Nov 2022 - 06 Nov 2022	EMILY OLDENDORFF	ZINC CONCENTRATES (EXPORT)	8
04 Nov 2022 - 06 Nov 2022	AKUNA	CEMENT (IMPORT)	4
04 Nov 2022 - 06 Nov 2022	AFRICAN PIPIT	ZINC CONCENTRATES (EXPORT)	3 STH
04 Nov 2022 - 14 Nov 2022	FEDERAL OSAKA	ZINC CONCENTRATES (IMPORT)	10
05 Nov 2022 - 06 Nov 2022	NORD MINUTE	FUELS (IMPORT)	1
06 Nov 2022 - 07 Nov 2022	SE CARDI	SUGAR (EXPORT)	9
06 Nov 2022 - 07 Nov 2022	EMILY OLDENDORFF	ZINC CONCENTRATES (EXPORT)	3 STH
06 Nov 2022 - 08 Nov 2022	NORD MIYABI	FUELS (IMPORT)	1
06 Nov 2022 - 08 Nov 2022	AFRICAN PIPIT	ZINC CONCENTRATES (EXPORT)	8
07 Nov 2022 - 09 Nov 2022	FLORA DELMAS	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
08 Nov 2022 - 09 Nov 2022	KOBE GLORIA	SUGAR (EXPORT)	9
08 Nov 2022 - 10 Nov 2022	GOLDEN SAGITTARIUS	MOLASSES (EXPORT)	4
08 Nov 2022 - 13 Nov 2022	AFRICAN LARK	SULPHUR (IMPORT)	8
09 Nov 2022 - 10 Nov 2022	FLORA DELMAS	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
09 Nov 2022 - 12 Nov 2022	PACIFIC CONDOR	GENERAL CARGO + CONTAINERS (IMPORT) EMPTY CONTAINERS (EXPORT)	3 NTH
10 Nov 2022 - 11 Nov 2022	TAI STAMINA	SUGAR (EXPORT)	9
11 Nov 2022 - 12 Nov 2022	DA TAI SHAN		4
13 Nov 2022 - 14 Nov 2022	NORDORINOCO	ZINC FERRITES (EXPORT)	8
13 Nov 2022 - 15 Nov 2022	AFRICAN MARGAUX	SUGAR (EXPORT)	9
13 Nov 2022 - 16 Nov 2022	AAL SHANGHAI	GENERAL CARGO (IMPORT)	3 STH
14 Nov 2022 - 15 Nov 2022	NADI CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
15 Nov 2022 - 15 Nov 2022	STREAM PACIFIC	CAUSTIC SODA (IMPORT)	4
15 Nov 2022 - 16 Nov 2022	RIVERSIDE GUARDIAN		3 NTH
15 Nov 2022 - 16 Nov 2022	DORADO LEADER	MOTOR VEHICLES (IMPORT)	10
15 Nov 2022 - 16 Nov 2022	NORD OCEANIA	FUELS (IMPORT)	1
15 Nov 2022 - 17 Nov 2022	FEDERAL OSAKA	SUGAR (EXPORT)	9

Date In/Out	Vessel Name	Cargo	Berth
16 Nov 2022 - 16 Nov 2022	GRAND LEGACY	MOTOR VEHICLES (IMPORT)	4
16 Nov 2022 - 18 Nov 2022	DARYA KRISHNA	CONCENTRATES (EXPORT)	11
17 Nov 2022 - 17 Nov 2022	CONTSHIP WIN	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
17 Nov 2022 - 17 Nov 2022	AMBER ARROW	MOTOR VEHICLES (IMPORT)	4
17 Nov 2022 - 17 Nov 2022	GOLDEN RESOLUTION	FUELS (IMPORT)	1
17 Nov 2022 - 18 Nov 2022	RUBY ENTERPRISE	SUGAR (EXPORT)	9
17 Nov 2022 - 19 Nov 2022	CARNATION ACE	MOTOR VEHICLES (IMPORT)	10
17 Nov 2022 - 19 Nov 2022	KEN EI	CONCENTRATES (EXPORT)	3 STH
17 Nov 2022 - 20 Nov 2022	NORD VALOROUS	FUELS (IMPORT)	1
18 Nov 2022 - 20 Nov 2022	GOLDEN HACHI	MOLASSES (EXPORT)	9
18 Nov 2022 - 21 Nov 2022	PACIFIC WEALTH	FERTILIZER (EXPORT)	8
19 Nov 2022 - 20 Nov 2022	FW EXCURSIONIST	CONCENTRATES (EXPORT)	10
19 Nov 2022 - 20 Nov 2022	BBC SWIFT	TYRES (IMPORT)	3 NTH
19 Nov 2022 - 21 Nov 2022	PRINSENGRACHT	GENERAL/BREAK BULK (EXPORT)	3 NTH
19 Nov 2022 - 22 Nov 2022	NORDORINOCO	ZINC FERRITES (EXPORT)	4
22 Nov 2022 - 22 Nov 2022	SOFRANA TOURVILLE	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	3 STH
22 Nov 2022 - 26 Nov 2022	NORDORINOCO	ZINC FERRITES (EXPORT)	10
23 Nov 2022 - 24 Nov 2022	LAUTOKA CHIEF	CONTAINERS (IMPORT) CONTAINERS (EXPORT)	4
24 Nov 2022 - 25 Nov 2022	KEN EI	CONCENTRATES (EXPORT)	3 STH
24 Nov 2022 - 25 Nov 2022	HAI CHANG	SUGAR (EXPORT)	9
24 Nov 2022 - 26 Nov 2022	WYUNA	CEMENT (IMPORT)	4
25 Nov 2022 - 26 Nov 2022	PRINSENGRACHT	ZINC CONCENTRATES (EXPORT)	8
25 Nov 2022 - 26 Nov 2022	MARSGRACHT	TYRES (IMPORT)	3 STH
26 Nov 2022 - 29 Nov 2022	KYOWA ROSE	TYRES (IMPORT) EMPTY CONTAINERS (EXPORT)	3 NTH
27 Nov 2022 - 27 Nov 2022	EGRET RIVER		ВВ
27 Nov 2022 - 29 Nov 2022	THERESA ORION	MOLASSES (EXPORT)	9
27 Nov 2022 - 29 Nov 2022	JASPER ARROW	MOTOR VEHICLES (IMPORT)	4
28 Nov 2022 - 29 Nov 2022	ST. MICHAELIS	FUELS (IMPORT)	1
28 Oct 2022 - 04 Nov 2022	STAR KVARVEN	ZINC INGOTS (EXPORT)	4
29 Nov 2022 - 30 Nov 2022	THERESA MICRONESIA	MOLASSES (EXPORT)	9
29 Nov 2022 - 30 Nov 2022	GOLDEN PRELUDE	FUELS (IMPORT)	1
31 Oct 2022 - 02 Nov 2022	MOONBRIGHT SW	SUGAR (EXPORT)	9





Port of Townsville Overview

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:

Import

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).



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OR

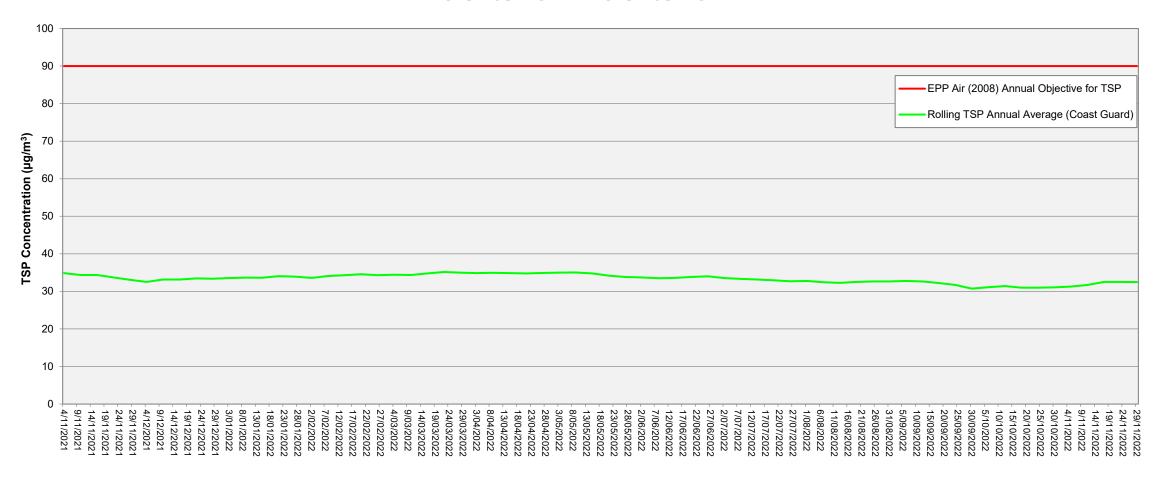
Phone 07 4781 1500 and asked to be added to the list.

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 November 2021 – November 2022

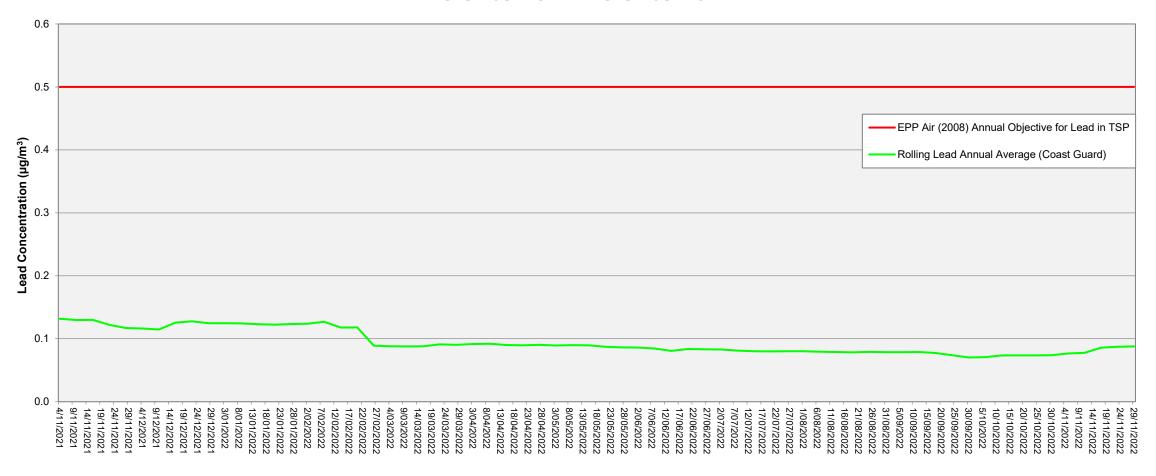




TSP Concentration units = micrograms per cubic metre per 24 hour period Rolling annual average = the moving average of the previous 11 results and the current result



Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site November 2021 – November 2022

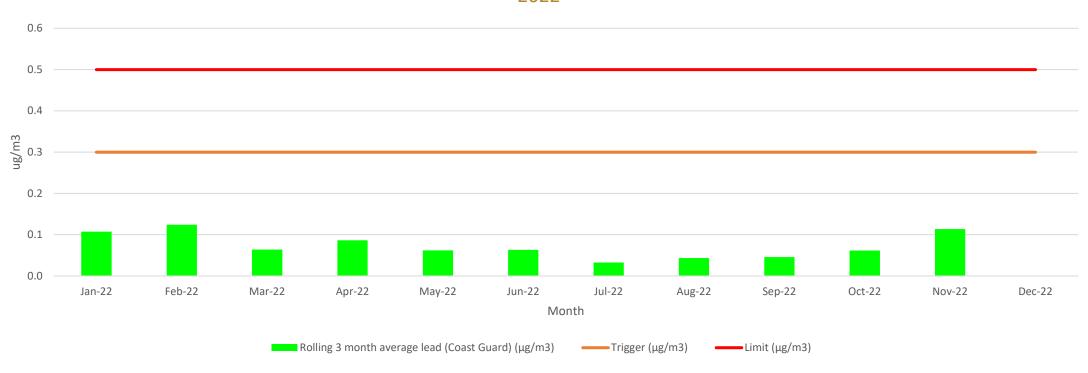


Note:

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



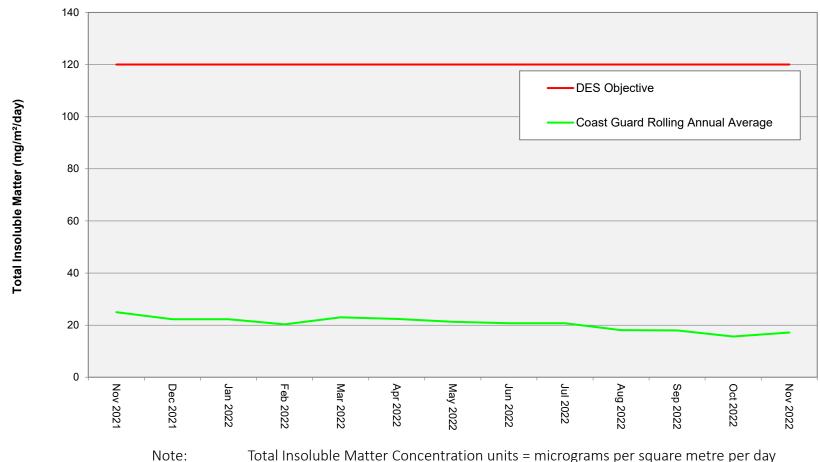
Hi-Volume Sampler - Lead in dust levels (one in six days) at Coast Guard Site 2022



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

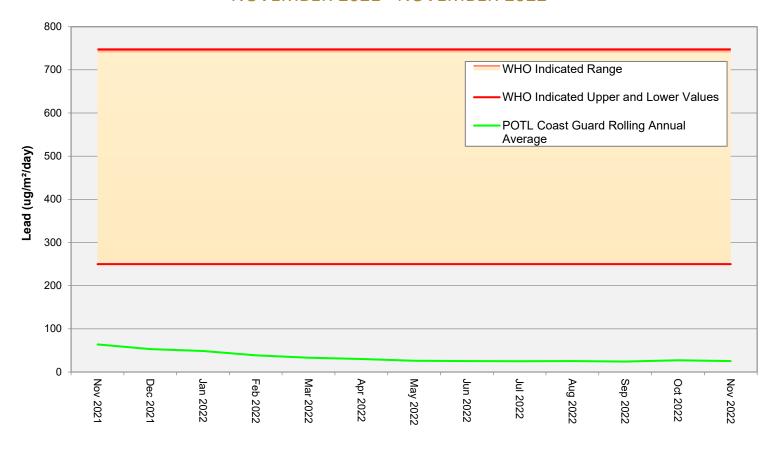


Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site November 2021 – November 2022





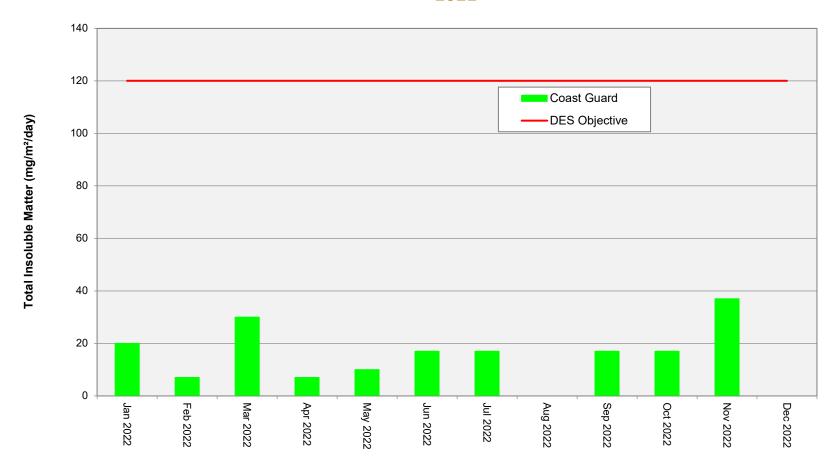
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Coast Guard Site NOVEMBER 2021 – NOVEMBER 2022

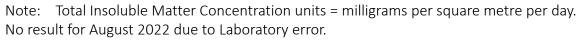


Note: Lead Concentration units = micrograms per square metre per day
Rolling annual average = the moving average of the previous 11 results and the current result.



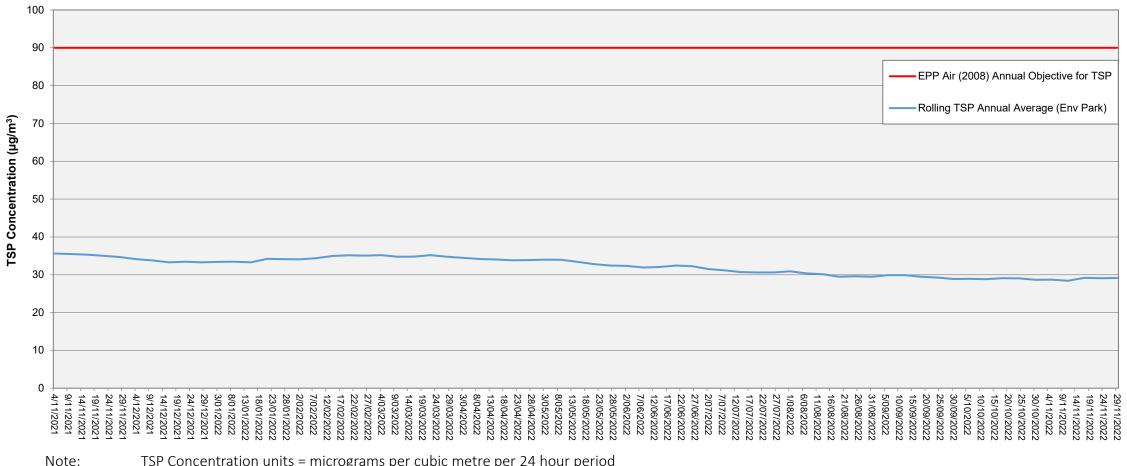
Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site 2022







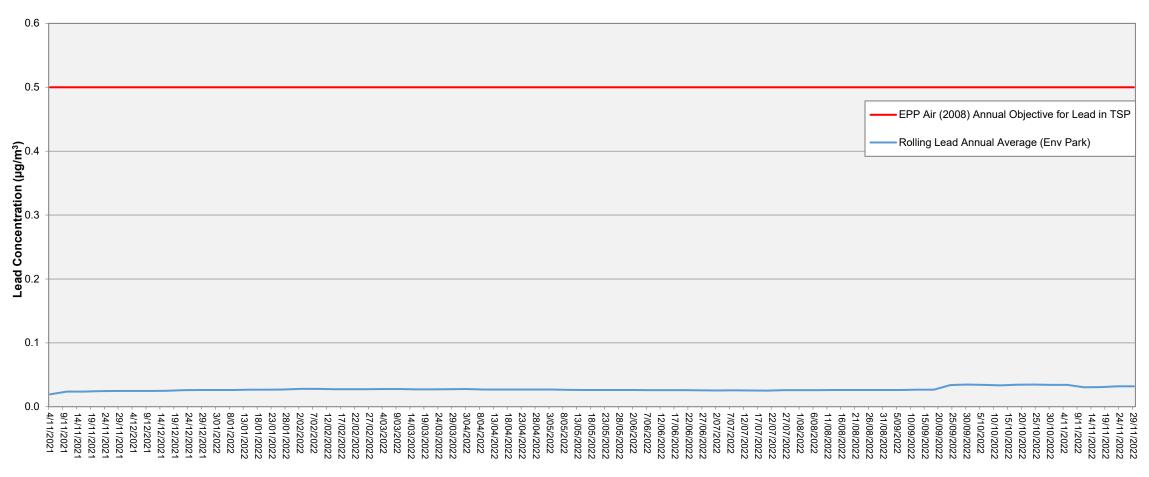
Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site November 2021 – November 2022





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

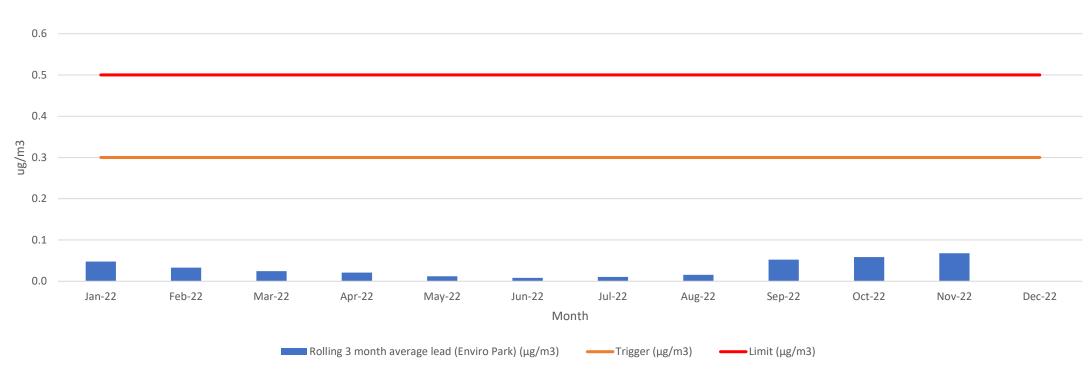
Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site November 2021 – November 2022





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

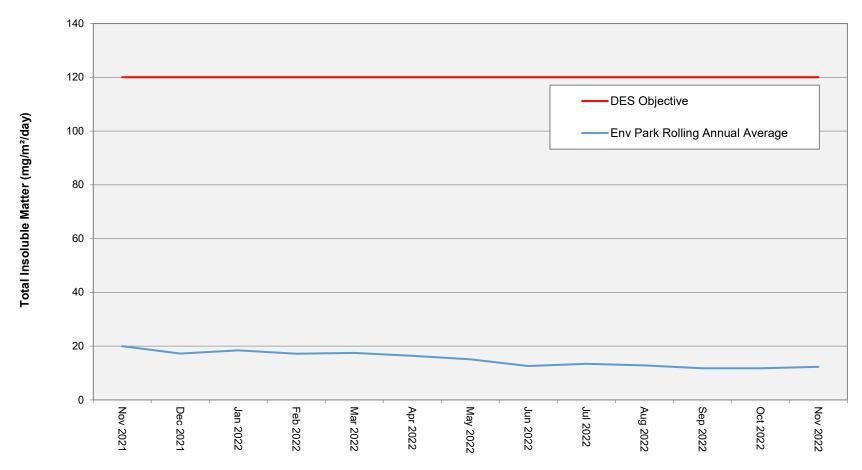
Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site 2022



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



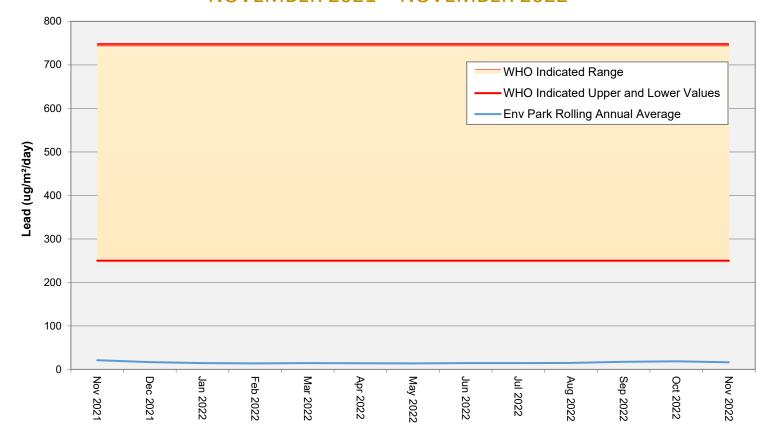
Dust Deposition Gauge - General dust deposition levels (monthly) at Environment Park site November 2021 - November 2022



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



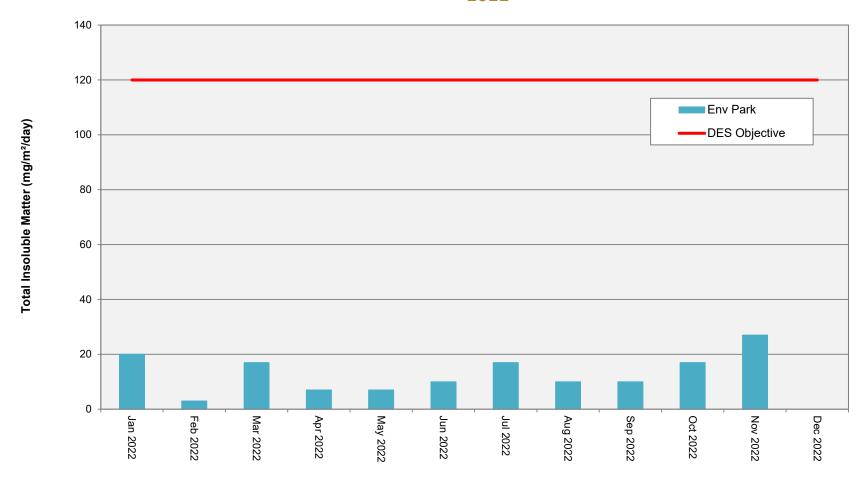
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site NOVEMBER 2021 – NOVEMBER 2022





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

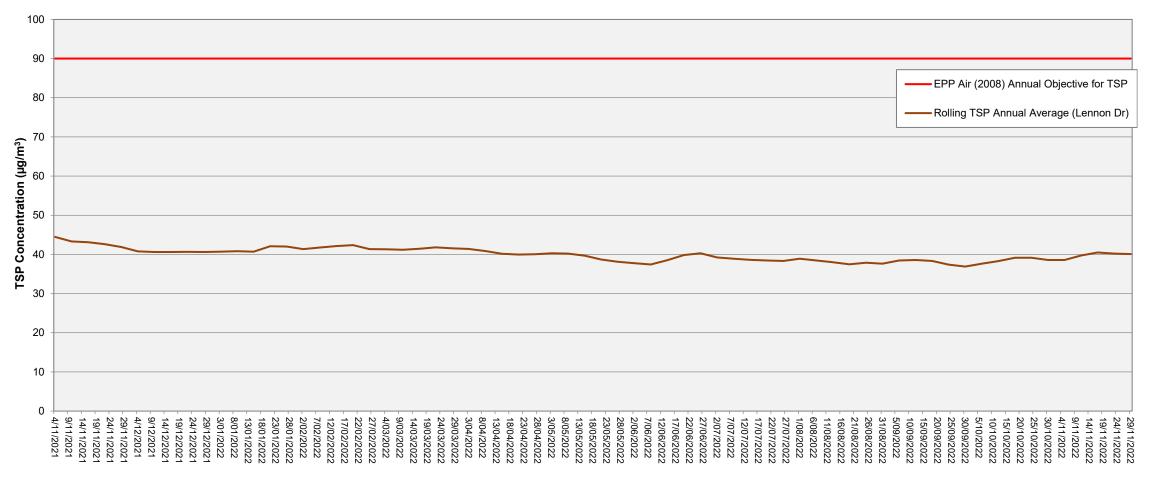
Dust Deposition Gauge – General dust deposition levels (monthly) at Environment Park Site 2022



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 November 2021 – November 2022

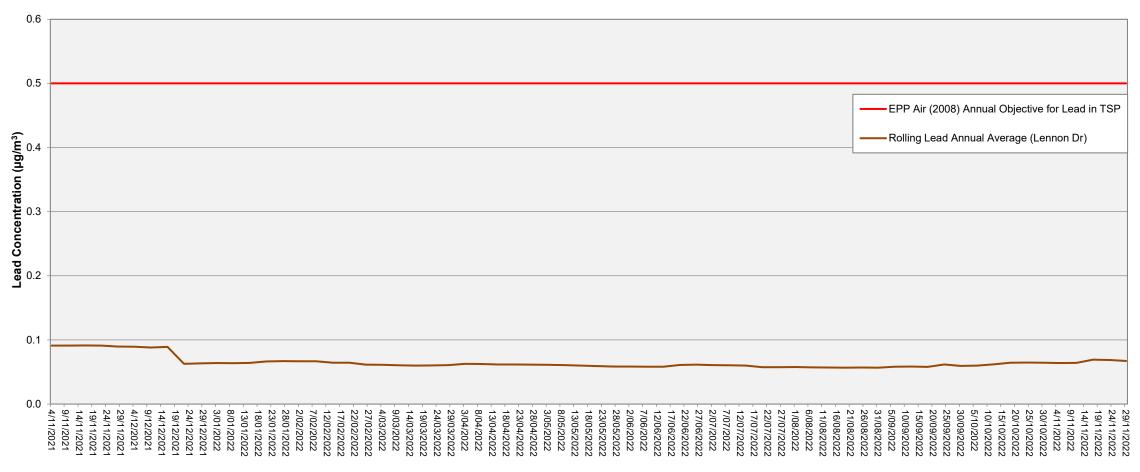




TSP Concentration units = micrograms per cubic metre per 24 hour period Rolling annual average = the moving average of the previous 11 results and the current result



Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site November 2021 – November 2022

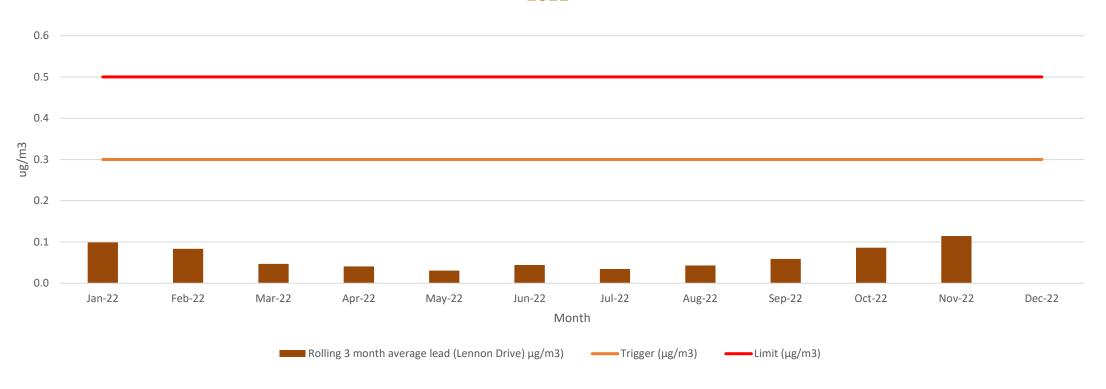




Lead Concentration units = micrograms per cubic metre per 24 hour period Rolling annual average = the moving average of the previous 11 results and the current result



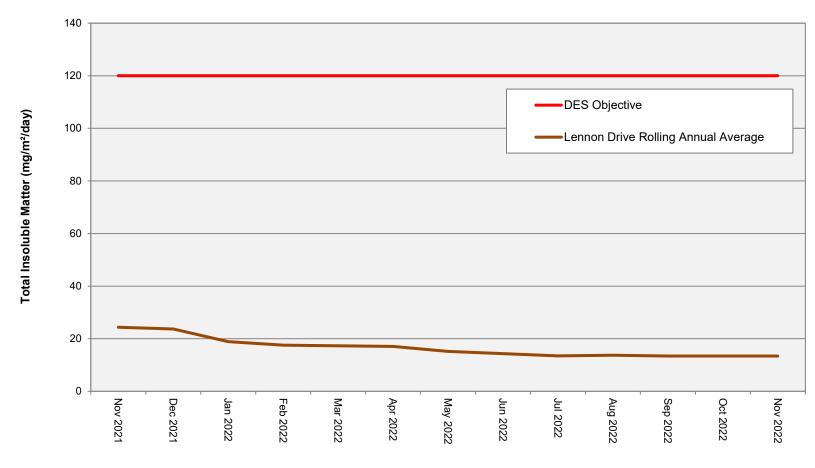
Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site 2022



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 November 2021 – November 2022

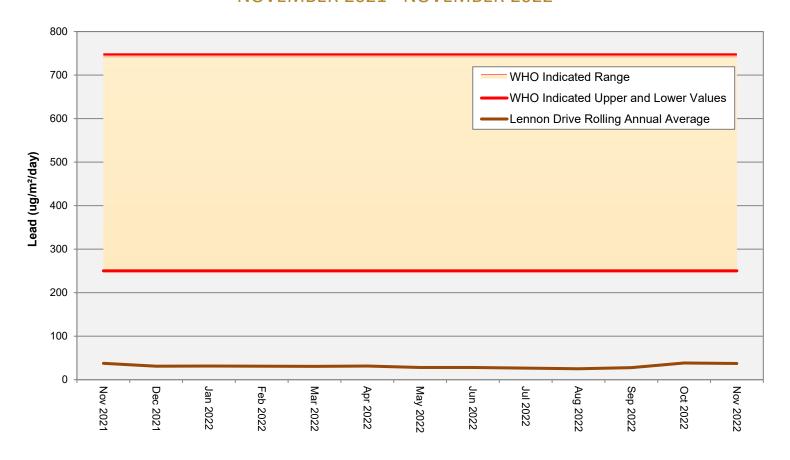


Note:

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



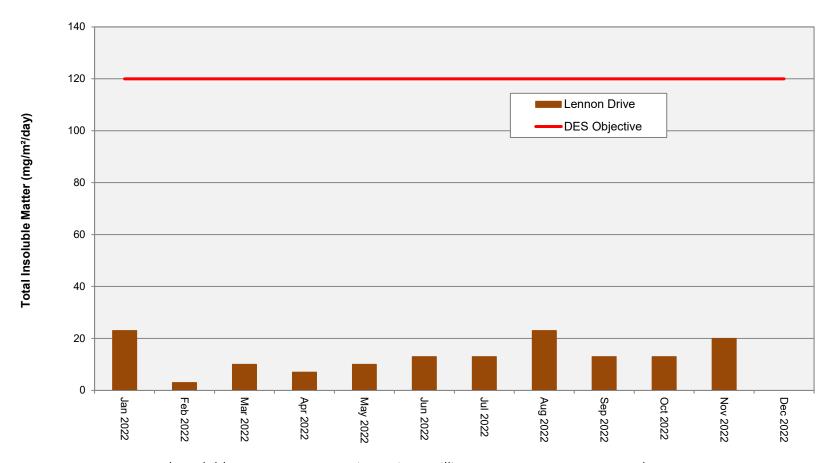
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Lennon Drive Site NOVEMBER 2021– NOVEMBER 2022

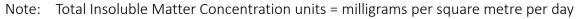




Lead Concentration units = micrograms per square metre per day Rolling annual average = the moving average of the previous 11 results and the current result

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







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 μ g/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 μ g/dL but since the beginning of 2016 has been reduced to 5 μ g/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 $0.36 \, \mu g/dL$ and $0.6 \, \mu g/dL$ 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 μ g/dL and 1.9 μ g/dL, still well under the level which should trigger concern.

