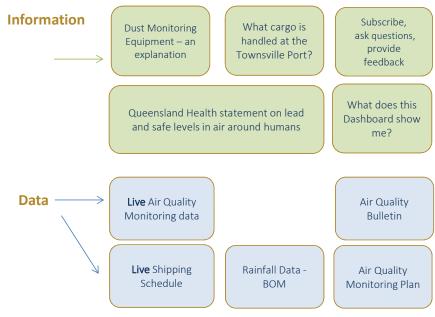
AIR QUALITY MONITORING IN TOWNSVILLE

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







Shipping Movements in August 2018

	Date In/Out	Vessel Name	Berths	Cargo	Date In/Out	Vesse
i	1-2	GOLDEN ASPIRANT	1	Fuels	14-15	BRASILIA H
	2-5	CRIMSON JADE	9	Molasses	15-17	UBC CANAI
	2-5	ALAM SETIA	4	Zinc Concentrates	15-16	DAREEN
	3-5	KYOWA ROSE	3	Tyres, Copper Refined	15-16	KING SUGA
	4-5	TEAM HOPE	8	Nil Cargo	17-19	QUEEN EST
	5-6	ELISABETH OLDENDORFF	3	Lead Ingots	17-18 18-21	OCEAN UTE
	5-6	FPMC21	1	Fuels	18-19	SAGITTARII
	5-7	INTERLINK AMENITY	4	Zinc Concentrates	19-20	ERNST OLD
	7-7	PACIFIC 1801	10BGE	General/Break Bulk	19-21	MV OCEAN
	7-11	OCEAN DROVER	3	Fodder, cattle	20-24	NORD BER
	8-8	ARION	TMP 1	Barge in Tow	21-24	NORD YILA
	8-9	THERESA MICRONESIA	8	Molasses	21-24	UBC CANAI
	8-11	KOTA NIPAH	4	Containers	21-24	ARION
	8-8	GRAND RACE	9	Motor Vehicles	21-24	KOTA NASF
	8-11	XIU YU HAI	10	Sulphur	22-23	STORM RID
	9-9	BRISBANE	9	Nil Cargo	23-25	HMAS ADEL
	10-10	ARION	TMP 1	NIL	23-24	BRITISH EN
	10-10	BELUGA ACE	9	Motor Vehicles	23-27	CLIPPER BI
	10-11	ERNA OLDENDORFF	11	Metal Concentrates	24-26	SUNSHINE
	11-12	GREAT MANTA	1	Fuels	25-27	CARINA OC
	11-19	VELA OCEAN	10	Nil Cargo	26-28	BW KALLAN
	11-12	SOFRANA TOURVILLE	4	Containers	26-30	ULTRA OSC
	12-13	GANADO EXPRESS	3	Fodder, cattle	26-28	IVS KESTRI
	12-13	GREYMAN EXPRESS	4	Fodder, cattle	28-30	YANGTZE D
	14-17	PENGHU SW	8	Scrap metal	28-29	GOLDEN LE
	14-15	BISON EXPRESS	4	Fodder, cattle	29-30	STI BLACK
	14-16	FLORA DELMAS	3	Containers	30-31	GALLOWAY
					31-31	PACIFIC AR

Date			
In/Out	Vessel Name	Berths	Cargo
14-15	•		Motor Vehicles
15-17	UBC CANADA	3 4	Cement
15-16	DAREEN	3	Fodder, cattle
15-16	KING SUGAR	9	Sugar
17-19	QUEEN ESTHER	9	Containers
17-18	OCEAN UTE	4	Fodder, cattle
18-21	KYOWA HIBISCUS	3	Tyres, Copper Refined
18-19	SAGITTARIUS LEADER	9	Motor Vehicles
19-20	ERNST OLDENDORFF	3	Lead Concentrates
19-21	MV OCEAN ACE	9	Sugar
20-24	NORD BERING	8	Fertilizer
21-24	NORD YILAN	3	Urea
21-24	UBC CANADA	4	Cement
21-24	ARION	TMP 1	NIL
21-24	KOTA NASRAT	3	Containers
22-23	STORM RIDER	9	Sugar
23-25	HMAS ADELAIDE	10	Army Equipment
23-24	BRITISH ENGINEER	1	Fuels
23-27	CLIPPER BLISS	8	Zinc Concentrates
24-26	SUNSHINE EXPRESS	1	Fuels
25-27	CARINA OCEAN	L1	Sugar
26-28	BW KALLANG	1	Fuels
26-30	ULTRA OSORNO	8	Zinc Concentrates
26-28	IVS KESTREL	9	Sugar
28-30	YANGTZE DIGNITY	8	Fertilizer
28-29	GOLDEN LEADER	1	Fuels
29-30	STI BLACK HAWK	1	Fuels
30-31	GALLOWAY EXPRESS	4	Fodder, cattle
31-31	PACIFIC ARIA	10	Passenger

Port of Townsville - Overview

First established in 1864, the Port of Townsville is operates eight berths handled more than \$8 billion in trade during the 2016/2017 financial year; servicing more than 136 ports around the globe. Townsville is the number one port in Australia for copper, zinc, lead and sugar exports and services 70% 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 – expecting 19 vessel visits in 2018.

Commodities/cargo that passes over the Townsville Port's berths include:

Imports

Motor vehicles, shipping containers (general cargo), cement, sulphuric acid, fertiliser, copper, nickel, zinc, copper anode, petroleum products, sulphur, containers, tyres.

Exports

Sugar, timber, fertiliser, shipping containers (general cargo) cattle, refrigerated meat, magnetite, copper, lead, zinc, zinc ferrites, zinc oxide, silver, molasses, sand, gravel, coke, project cargo.



Subscribe to Dashboard Updates

Visit our website and subscribe here https://www.townsville-port.com.au/environment-community/community/newsletter-sign-up/

OR

Visit the Port of Townsville Facebook page and click on "Sign up" at the top of the page.

OR

Phone 07 47 811 500 and asked to be added to the list.

Ask a Question / Provide Feedback

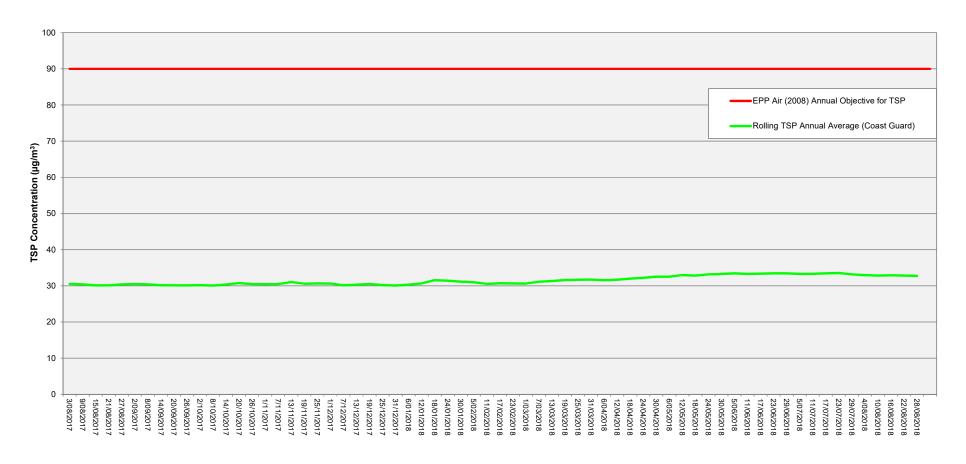
Send your enquiry or feedback to community@townsvilleport.com.au



Click here to return to Main Page

Click here for information on how to interpret this data

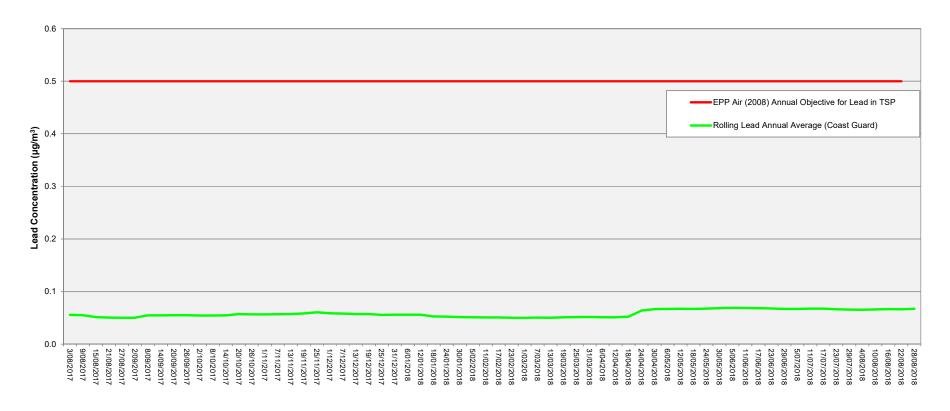
Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site **AUGUST 2017 – AUGUST 2018**



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 AUGUST 2017 – AUGUST 2018



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 JANUARY 2018 – AUGUST 2018

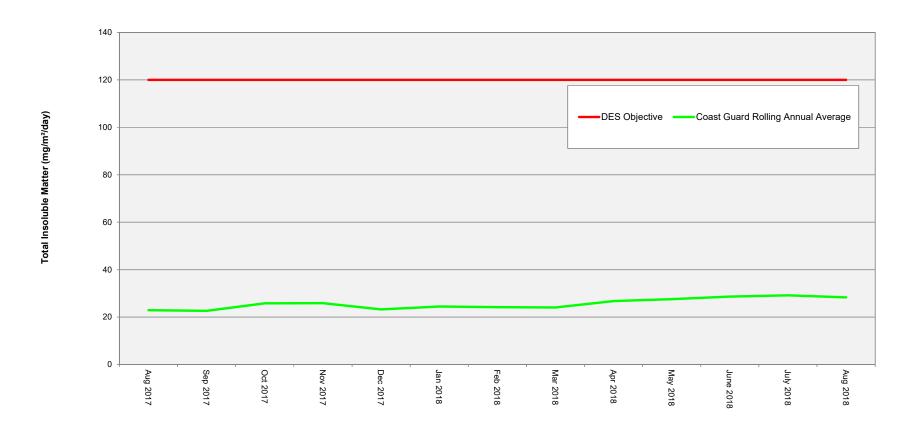


Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result





Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site AUGUST 2017 – AUGUST 2018

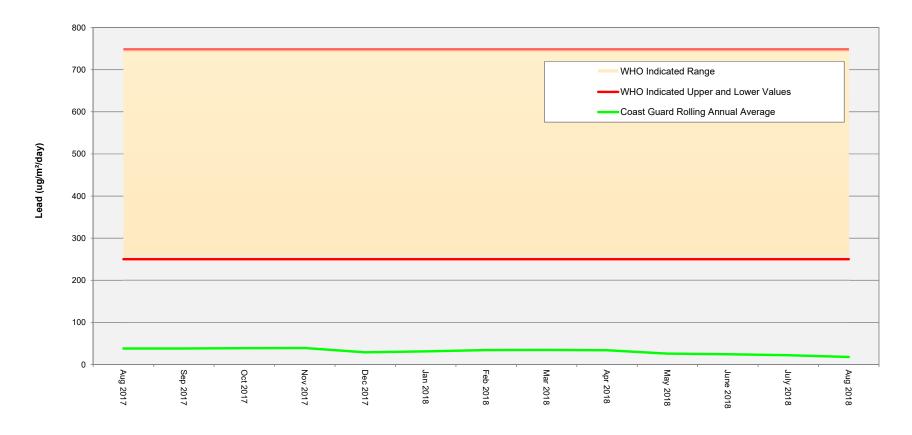


Note:

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 AUGUST 2017 – AUGUST 2018

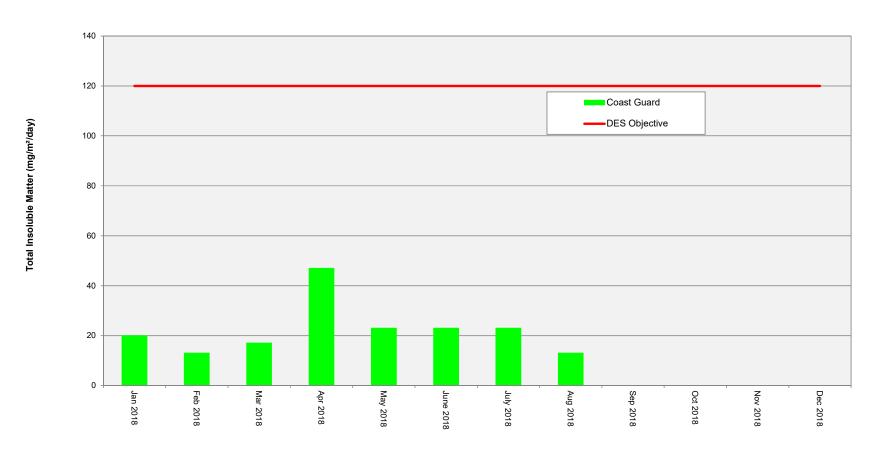


Note: Lead Concentration units = micrograms per square metre per day

Rolling annual average = the moving average of the previous 11 results and the current result.



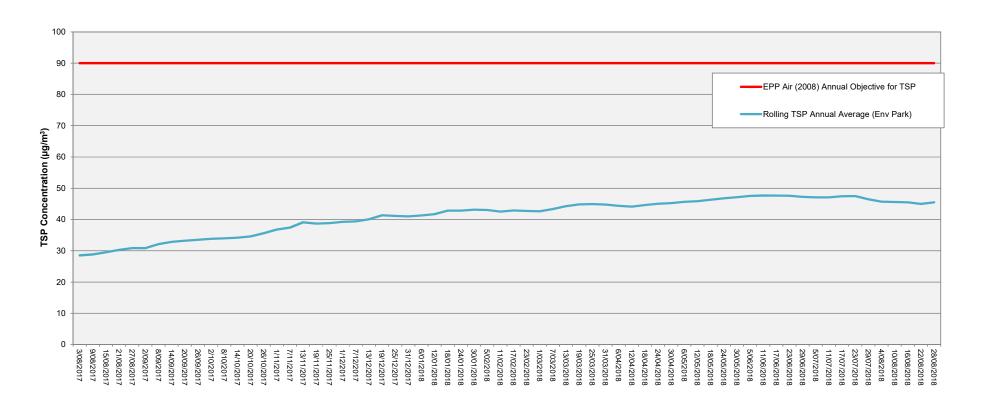
Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site JANUARY 2018 – AUGUST 2018



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



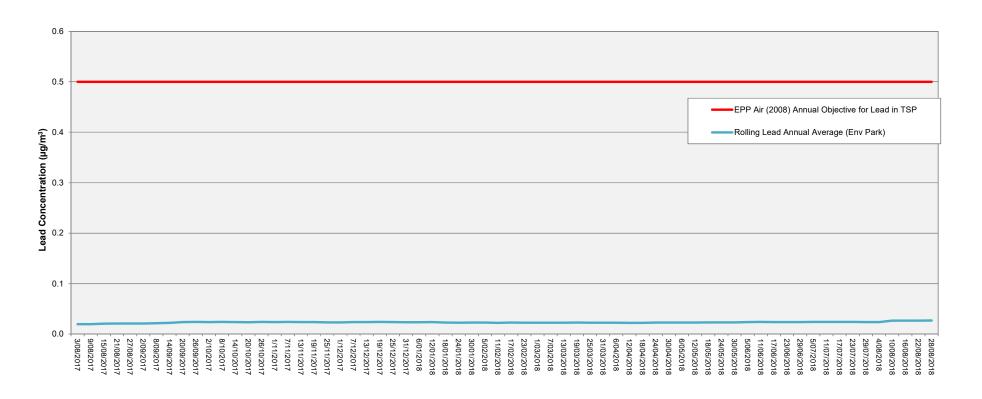
Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site AUGUST 2017 – AUGUST 2018



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 AUGUST 2017 – AUGUST 2018

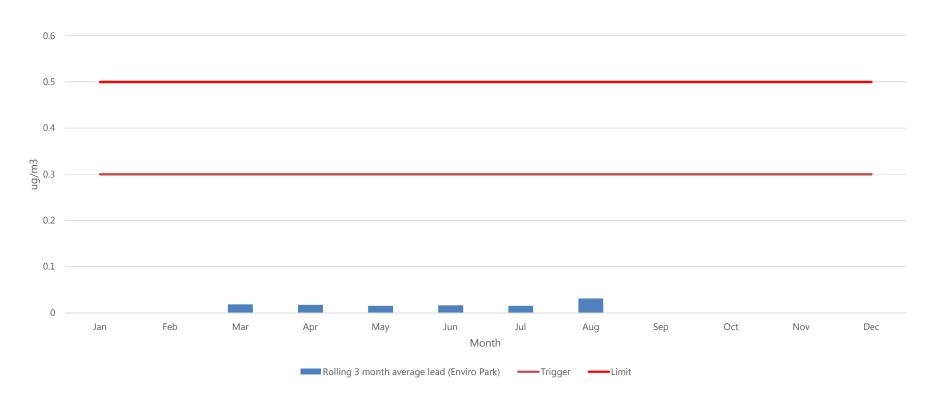


Note: Lead Concentration units = micrograms per cubic metre per 24 hour period

Rolling annual average = the moving average of the previous 11 results and the current result

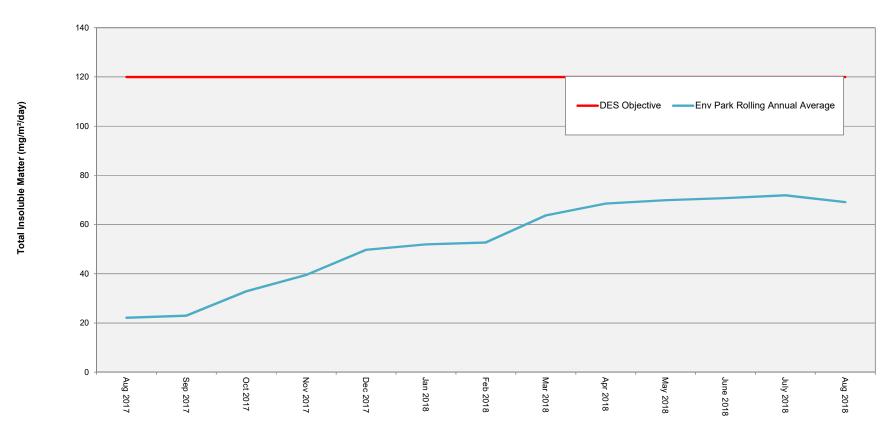


Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site JANUARY 2018 – AUGUST 2018



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 AUGUST 2017 – AUGUST 2018

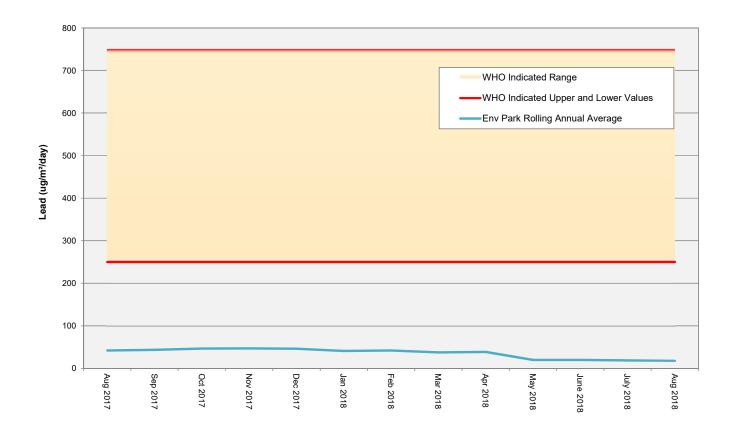


Note:

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



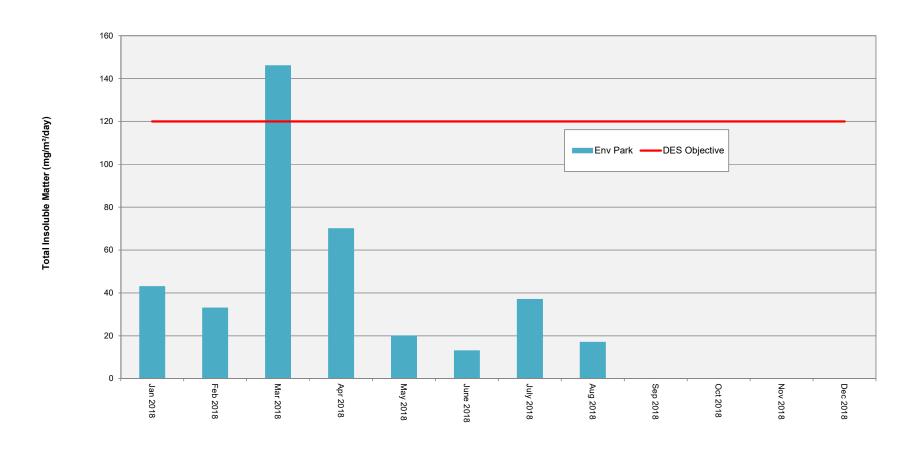
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site AUGUST 2017 – AUGUST 2018



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 JANUARY 2018 – AUGUST 2018

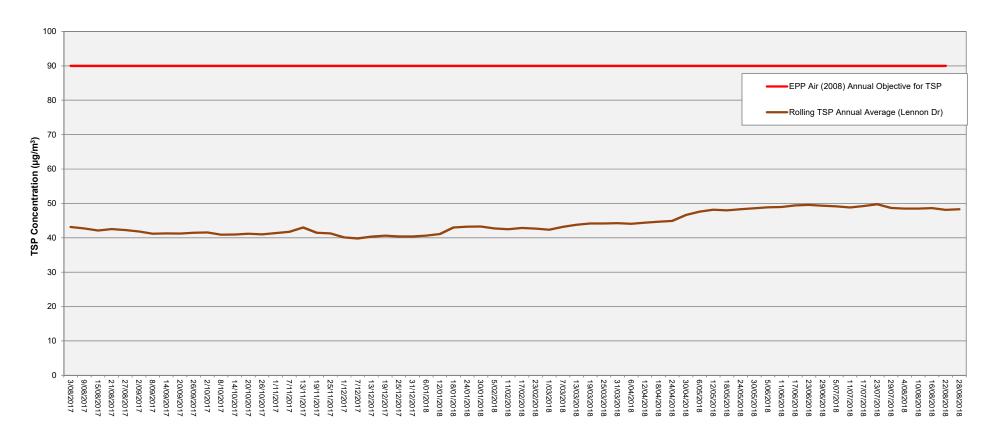


Note: Total Insoluble Matter Concentration units = milligrams per square metre per day





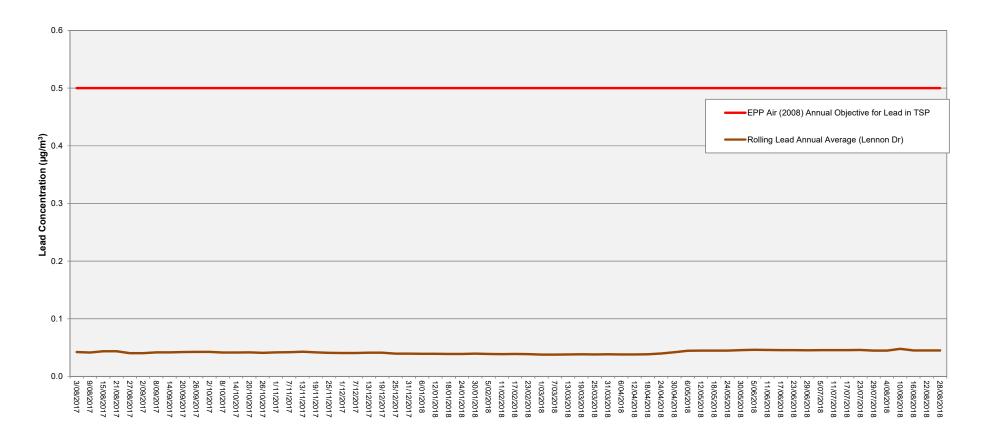
Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site AUGUST 2017 – AUGUST 2018



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 AUGUST 2017 – AUGUST 2018

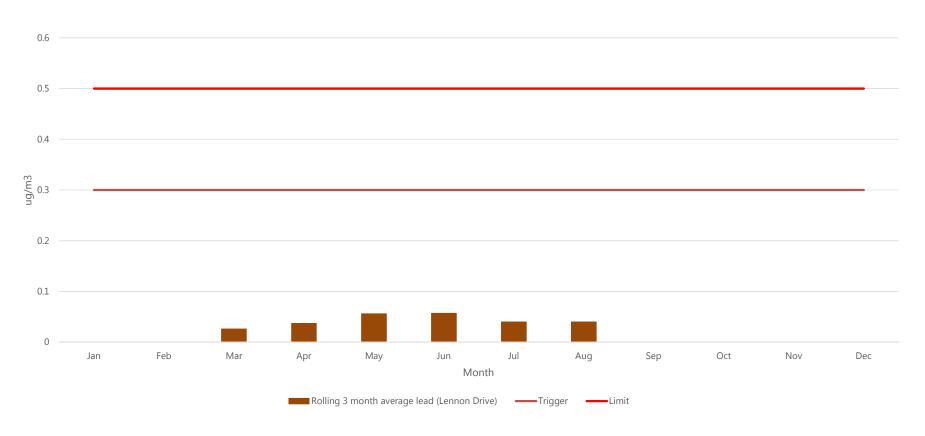


Note:

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 JANUARY 2018 – AUGUST 2018

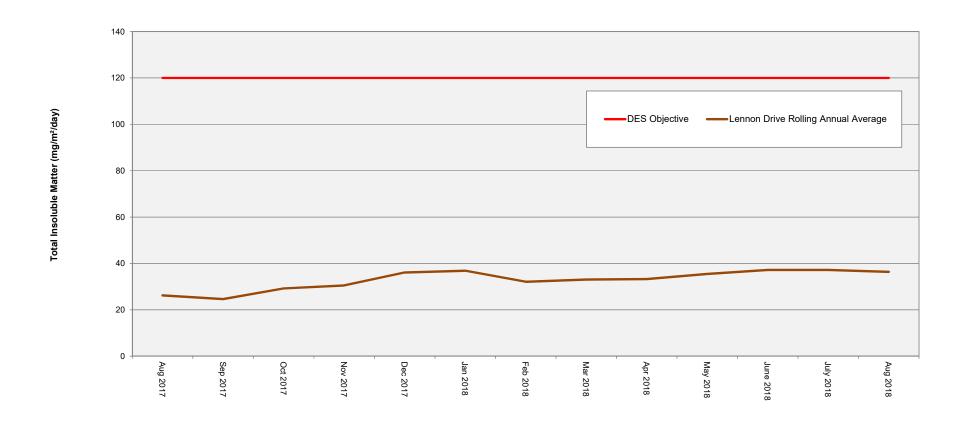


Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result





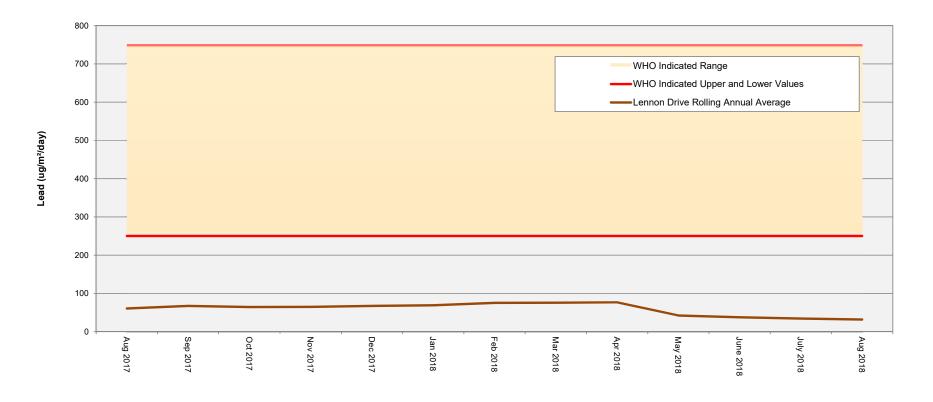
Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site AUGUST 2017 – AUGUST 2018



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 AUGUST 2017 – AUGUST 2018

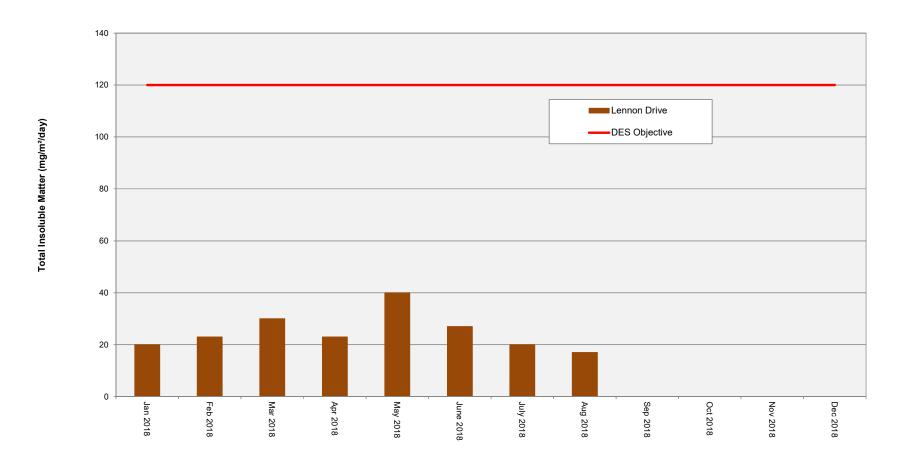


Note: Lead Concentration units = micrograms per square metre per day

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 JANUARY 2018 – AUGUST 2018



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 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 μ g/dL and 0.6 μ 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.