

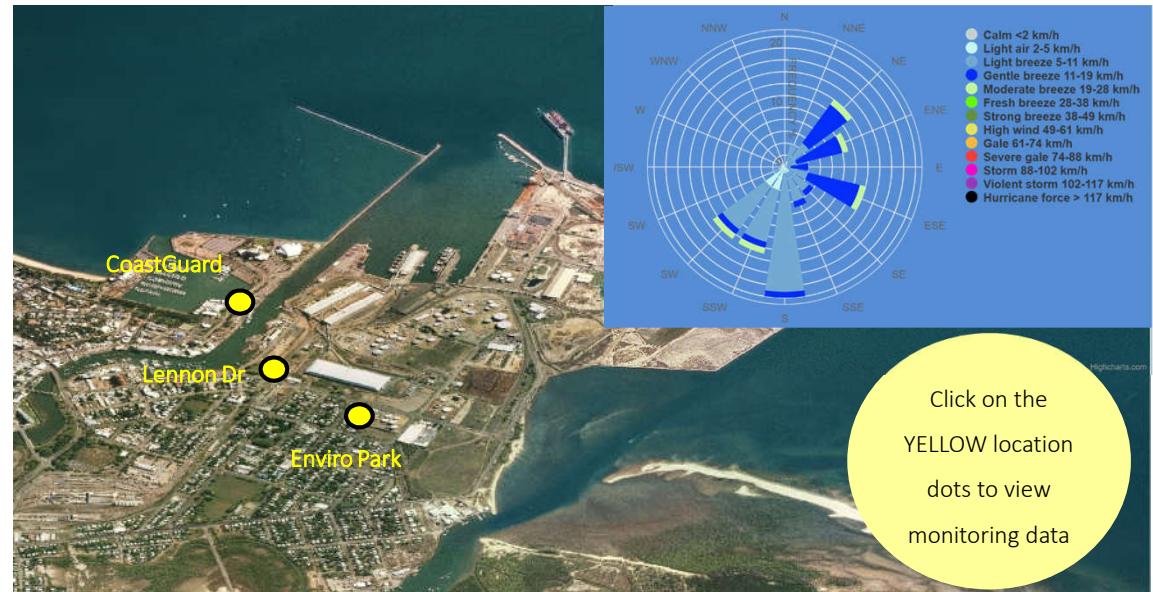
AIR QUALITY MONITORING IN TOWNSVILLE

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

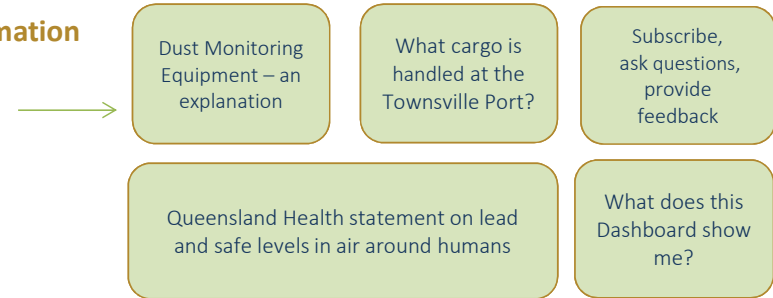
Click here to visit DES monitoring network

Air Quality Monitoring Locations

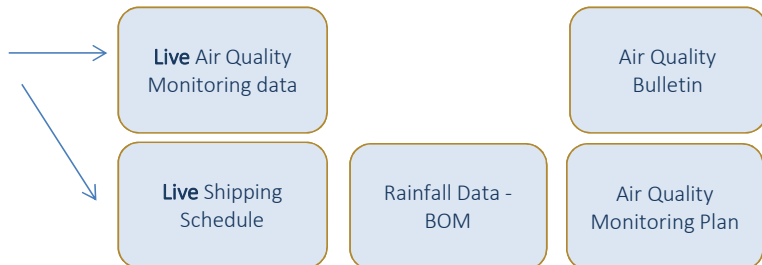


Click on the YELLOW location dots to view monitoring data

Information



Data



Shipping Movements in JULY 2018

Date In/Out	Vessel Name	Berths	Cargo
30-3	PPS TOMO	L1	Sugar
1-3	QUEEN ESTHER	3	Containers
1-1	KYOWA HIBISCUS	3	Tyres
1-2	DAREEN	10	Cattle, fodder
1-2	OCEAN ANGEL	4	Bitumen
1-3	NAVE RIGEL	1	Fuels
2-2	BRASILIA HIGHWAY	9	Motor Vehicles
3-3	GILUWE	4	General/Break Bulk
3-5	NORD COPPER	3	Fertilizer
4-6	CAPRI CEMENT	4	Cement
4-5	STOLT SATSUKI	1	Sulphuric Acid
4-4	APHRODITE LEADER	10	Motor Vehicles
5-12	EDGAR OLDENDORFF	3	Zinc Concentrates
6-8	VITA N	3	Containers
7-9	INDUSTRIAL RUBY	4	Nil Cargo
8-8	SUN TRITON	9	Tallow
8-8	SOFRANA TOURVILLE (NEW)	3	Containers
8-10	KOTA NASRAT	3	Containers
9-13	CHAMPION ISTR	9	Molasses
9-14	SHANGHAI BULKER	8	Lead Ingots
9-10	SILVER MUNA	1	Fuels
11-11	DELTA GRACHT	4	General/Break Bulk
12-14	GOLDEN CREATION	1	Sulphuric Acid
12-13	FLORA DELMAS	4	Containers
12-23	ASIA PEARL 1	10	Zinc Concentrates
12-15	ORIENT TOKYO	8	Fertilizer
13-14	BARKLEY PEARL	3	Cattle, fodder
14-17	CAPRI CEMENT	4	Cement

Date In/Out	Vessel Name	Berths	Cargo
14-15	VENUS LEADER	9	Motor Vehicles
17-17	ARTEMIS LEADER	9	Motor Vehicles
17-17	GREYMAN EXPRESS	3	Cattle, fodder
17-17	BARGE1	3	Containers
19-22	TAO STAR	11	Concentrates
19-20	OCEAN UTE	4	Cattle, fodder
20-23	PACIFIC CONDOR	3	Tyres, copper refined
20-23	EQUINOX DREAM	9	Sugar
21-24	CAPRI CEMENT	4	Cement
25-27	OCEAN GLORY	L1	Sugar
26-26	BRISBANE	4	Nil Cargo
26-28	KOTA NAGA	3	Containers
26-27	ASPHALT SPIRIT	4	Bitumen
27-29	HMAS LAUNCESTON	8	Nil Cargo
27-28	CSC FRIENDSHIP	1	Fuels
29-31	AFRICAN SETO	L1	Sugar
29-01	STARLING	1	Fuels
30-31	HOLANDIA	4	Concentrates
30-31	ZHE HAI 2	8	Nil Cargo
30-1	SMILEY LADY	3	Containers
31-31	NOCC OCEANIC	9	Motor Vehicles

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.

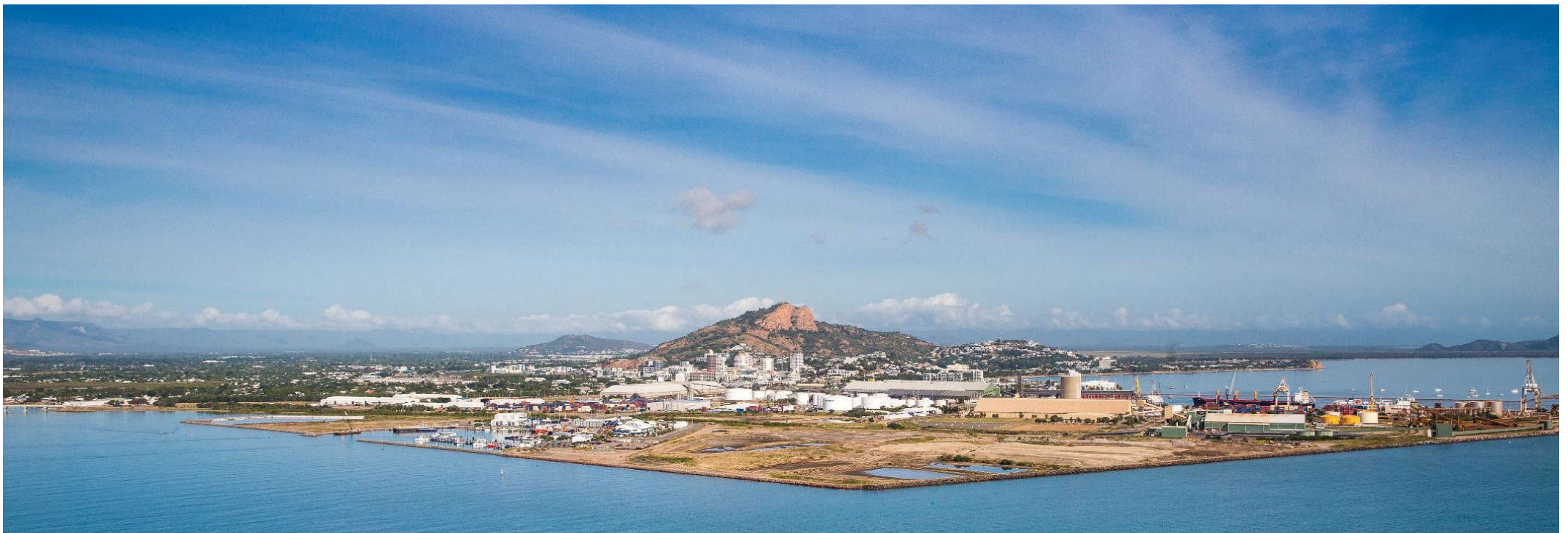
Commodities/cargo that passes over the Townsville Port's berths include:

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.



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OR

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

OR

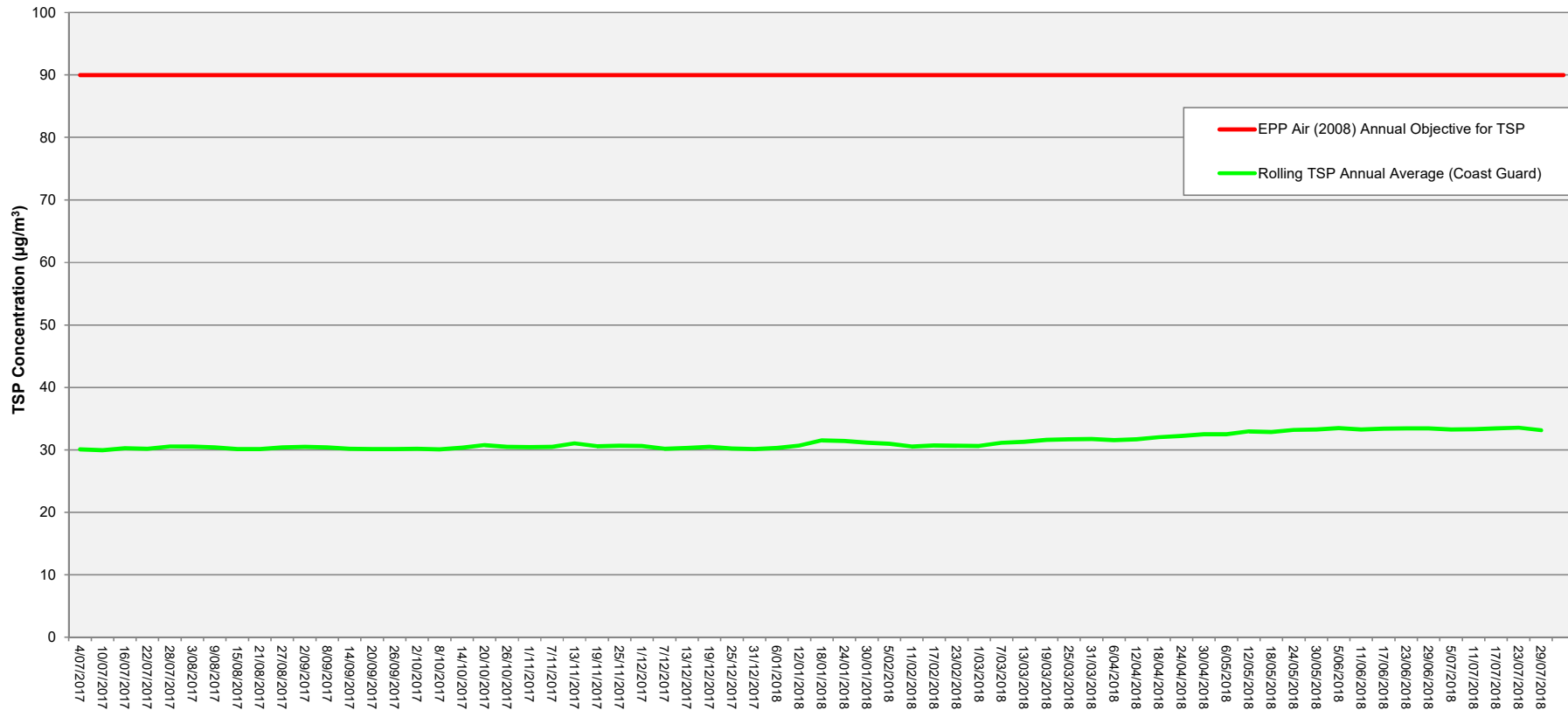
Phone 07 4781 1551 and asked to be added to the list.

Ask a Question / Provide Feedback

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

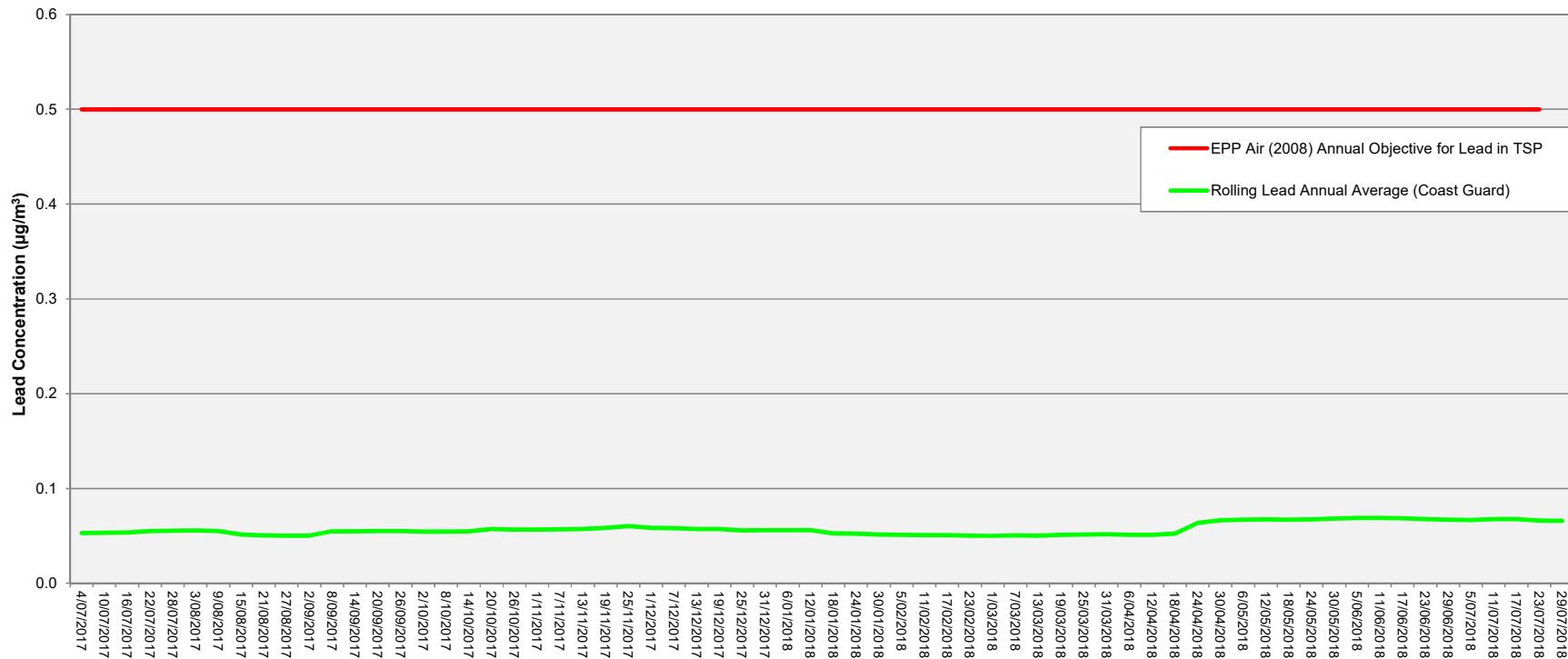


Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site JULY 2017 – JULY 2018



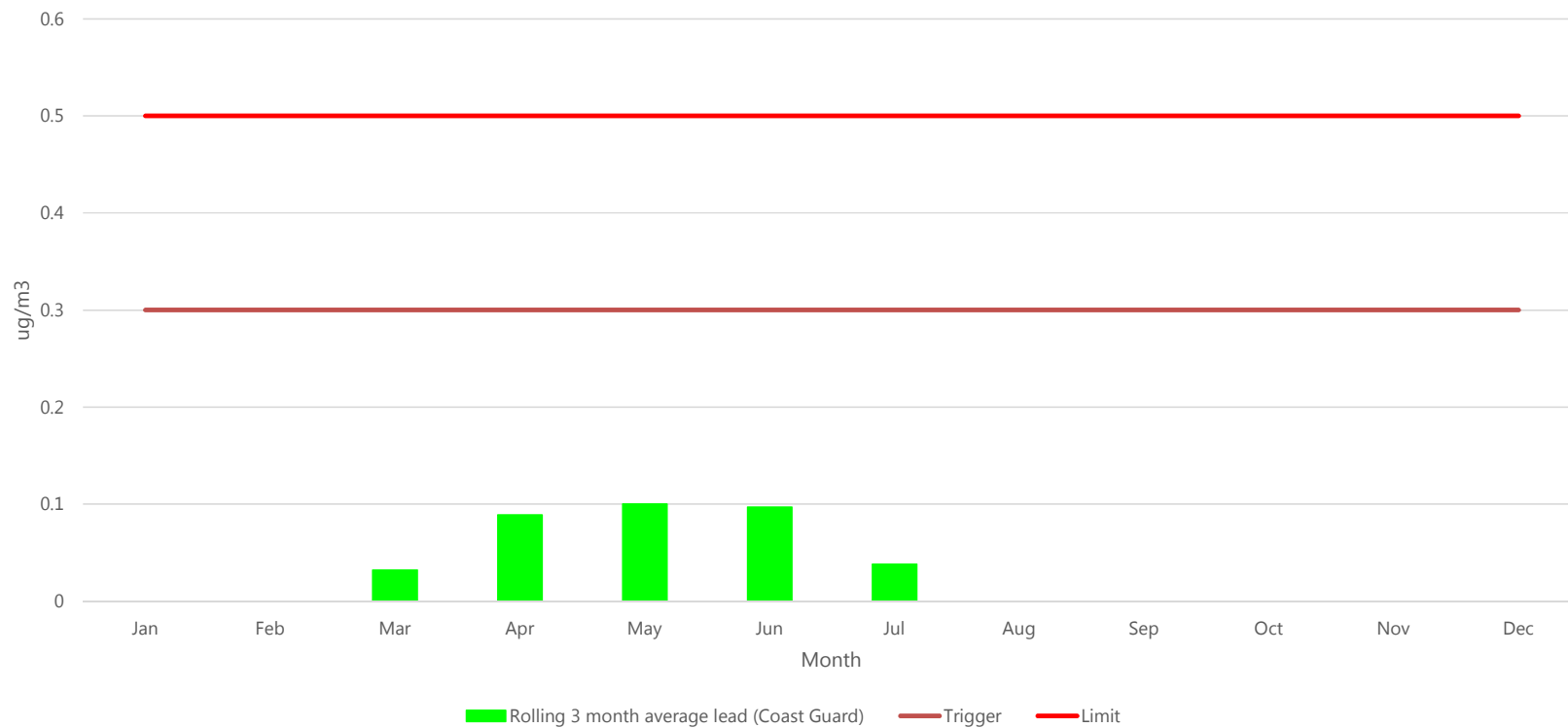
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
 Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site JULY 2017 – JULY 2018



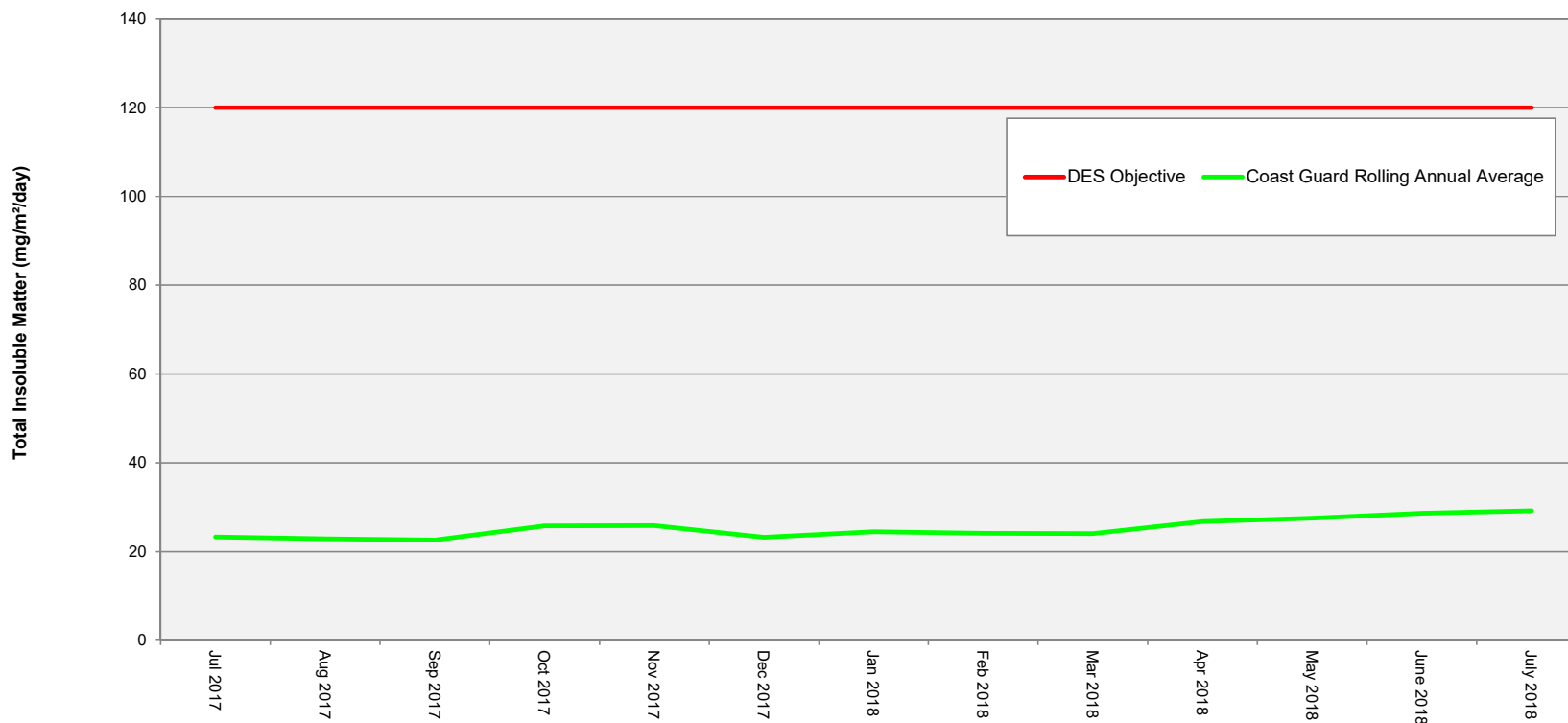
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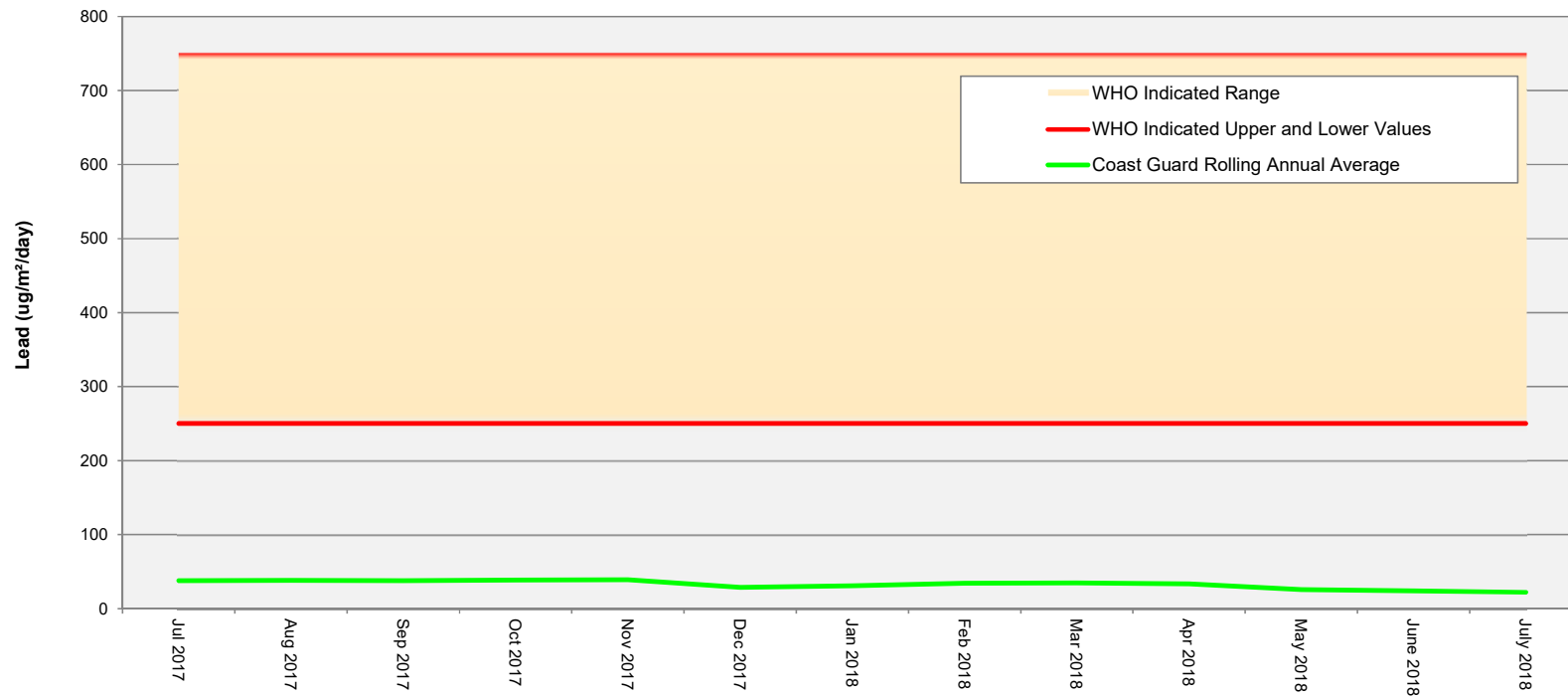
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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



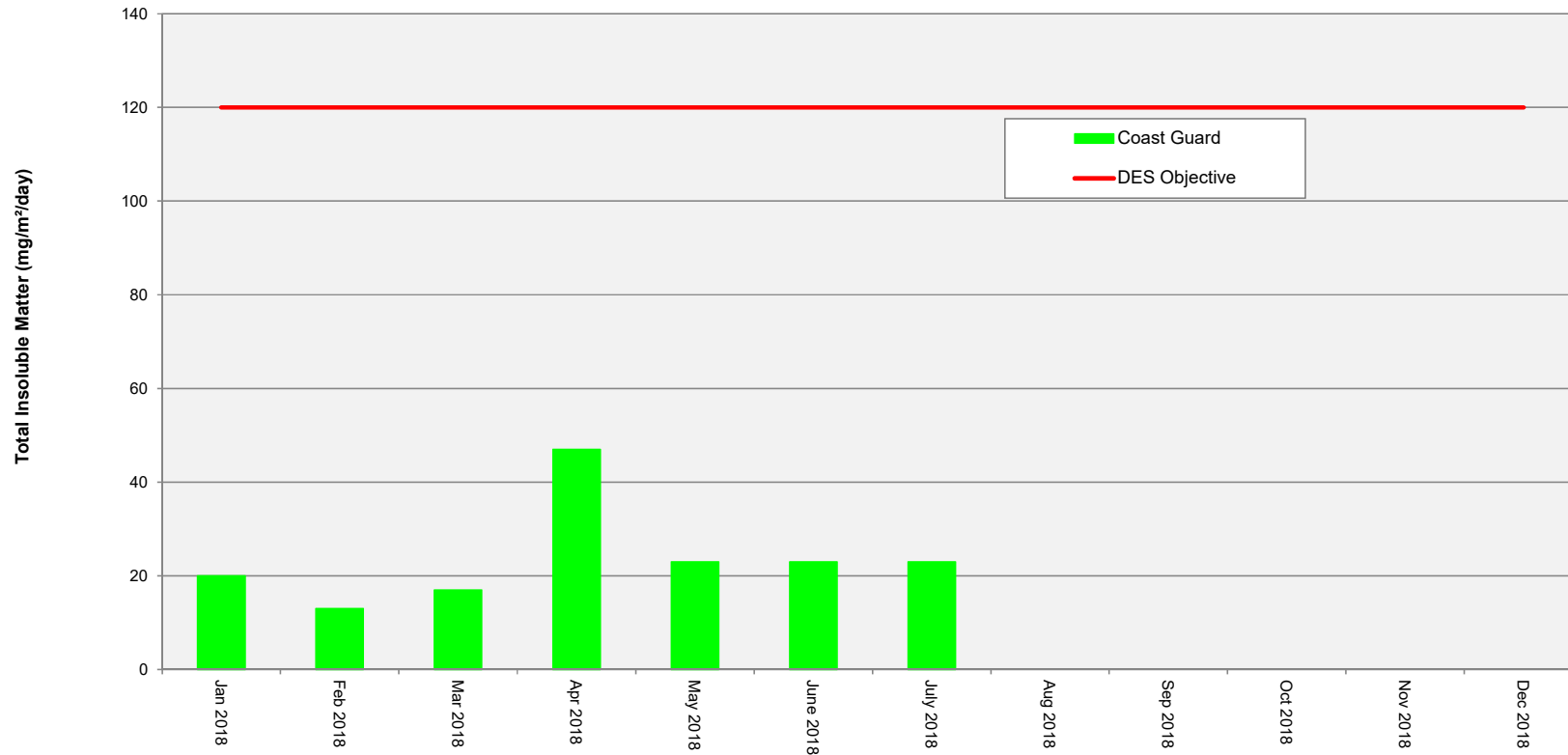
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
 Rolling annual average = the moving average of the previous 11 results and the current result

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Coast Guard Site JULY 2017 – JULY 2018



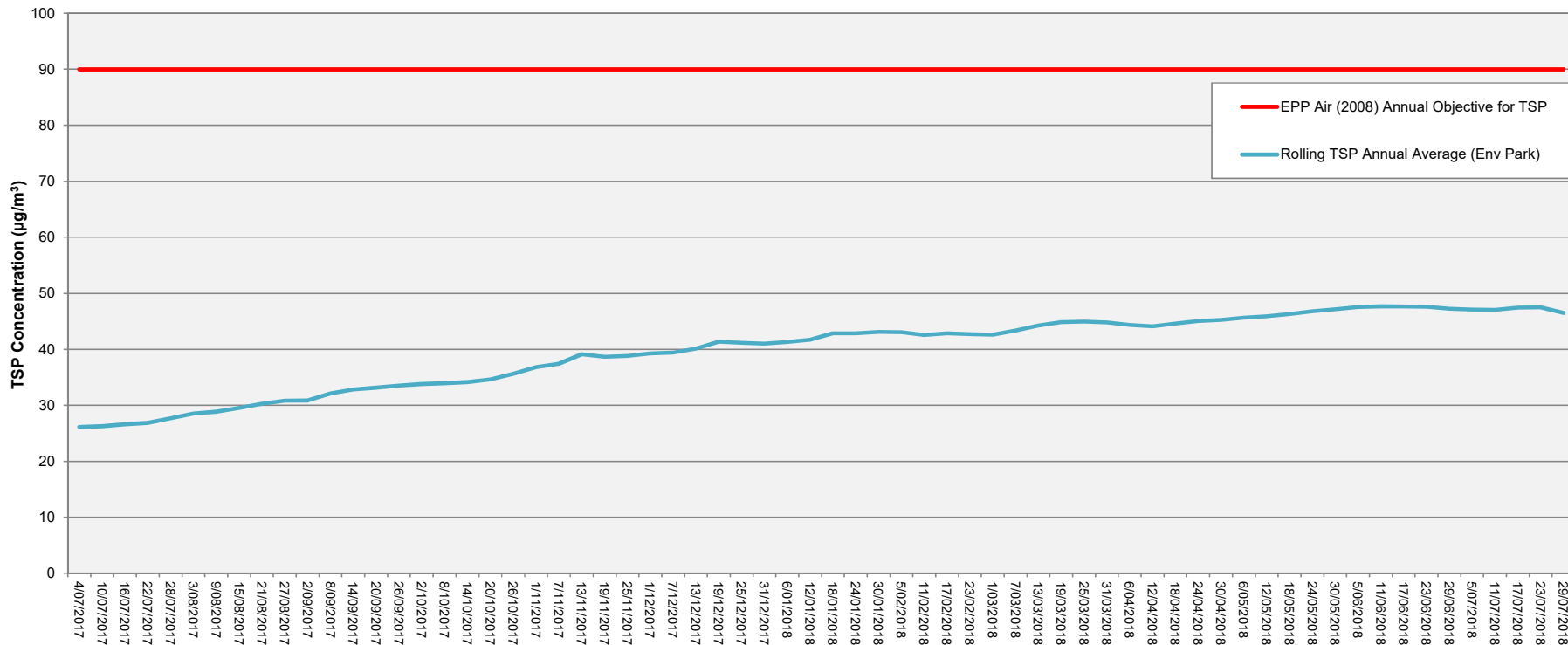
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Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site 2018



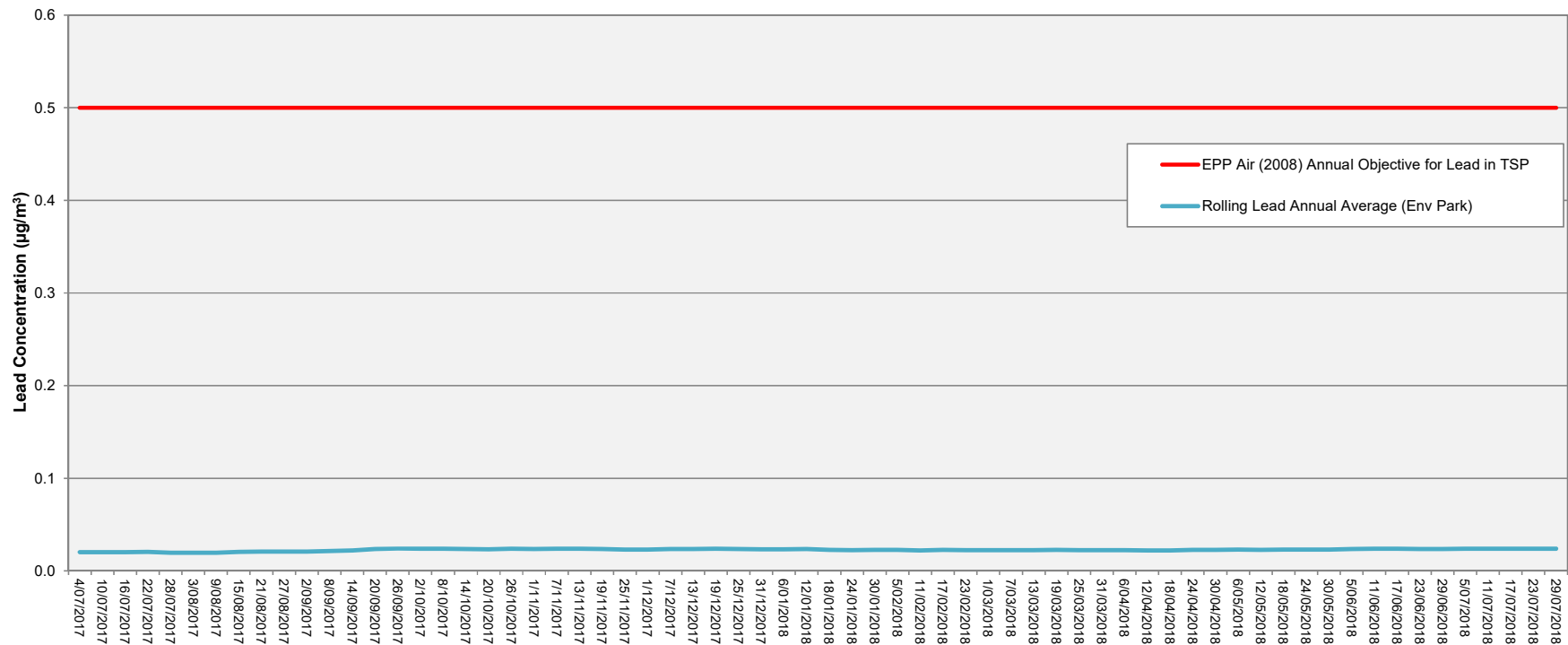
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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



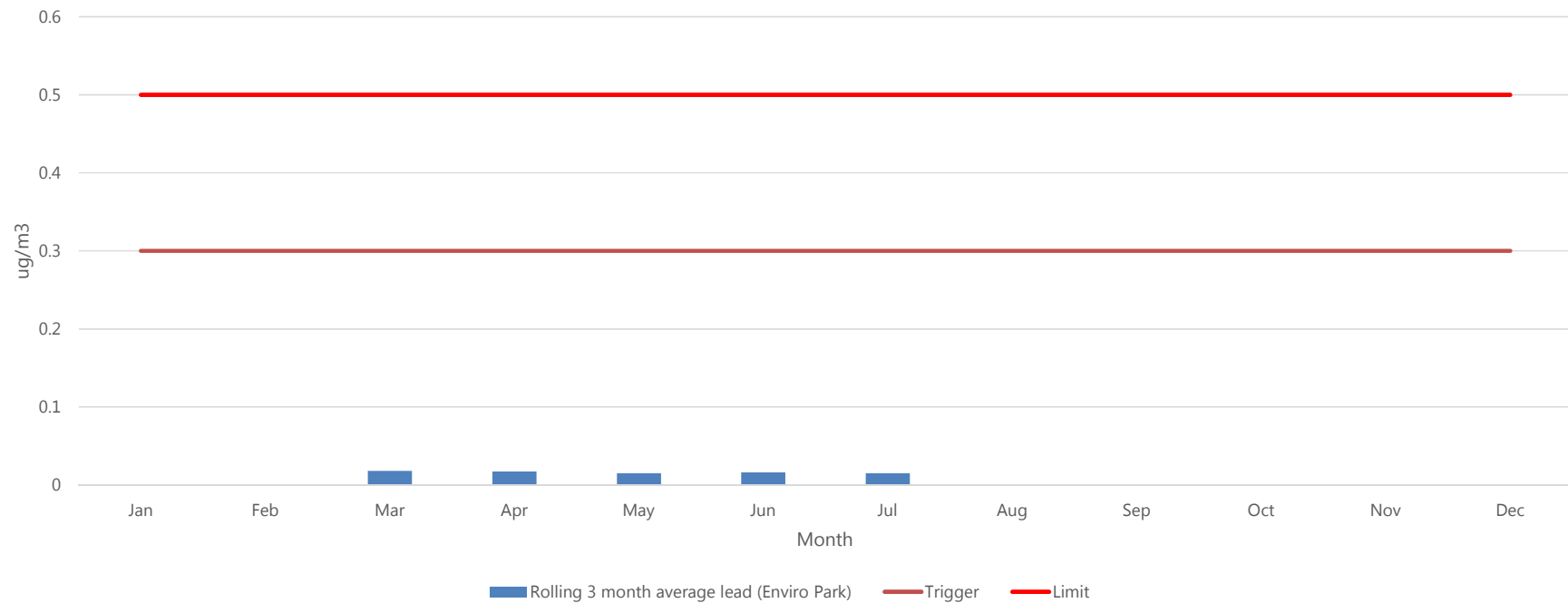
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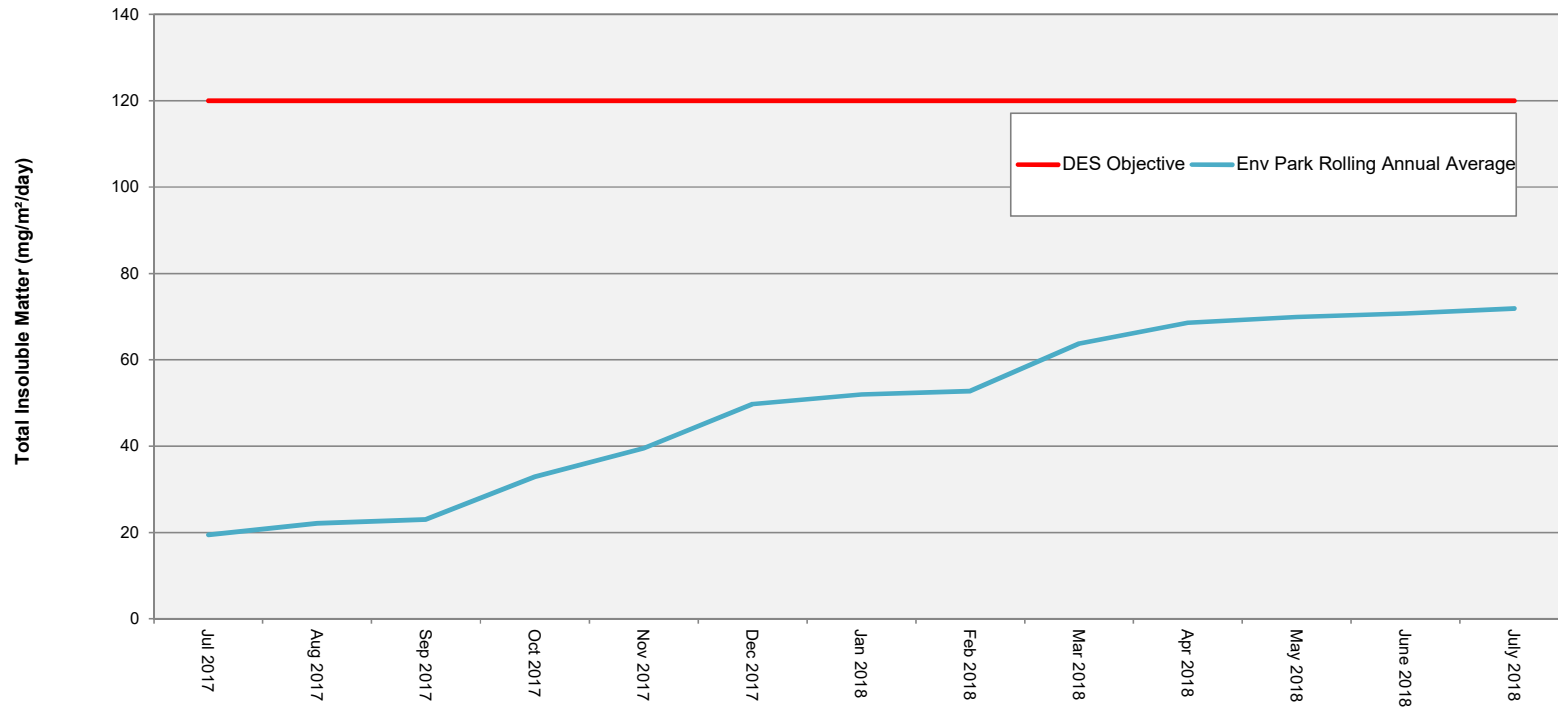
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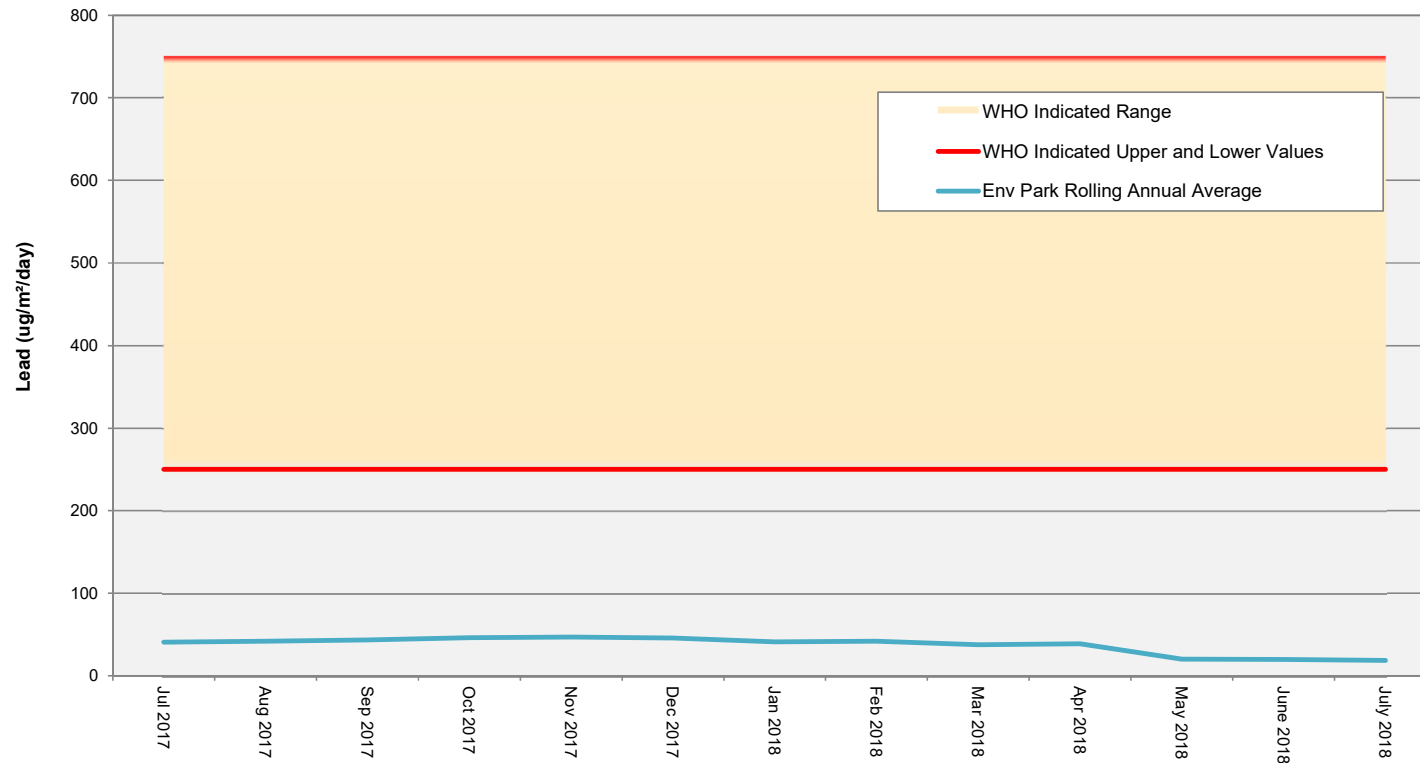
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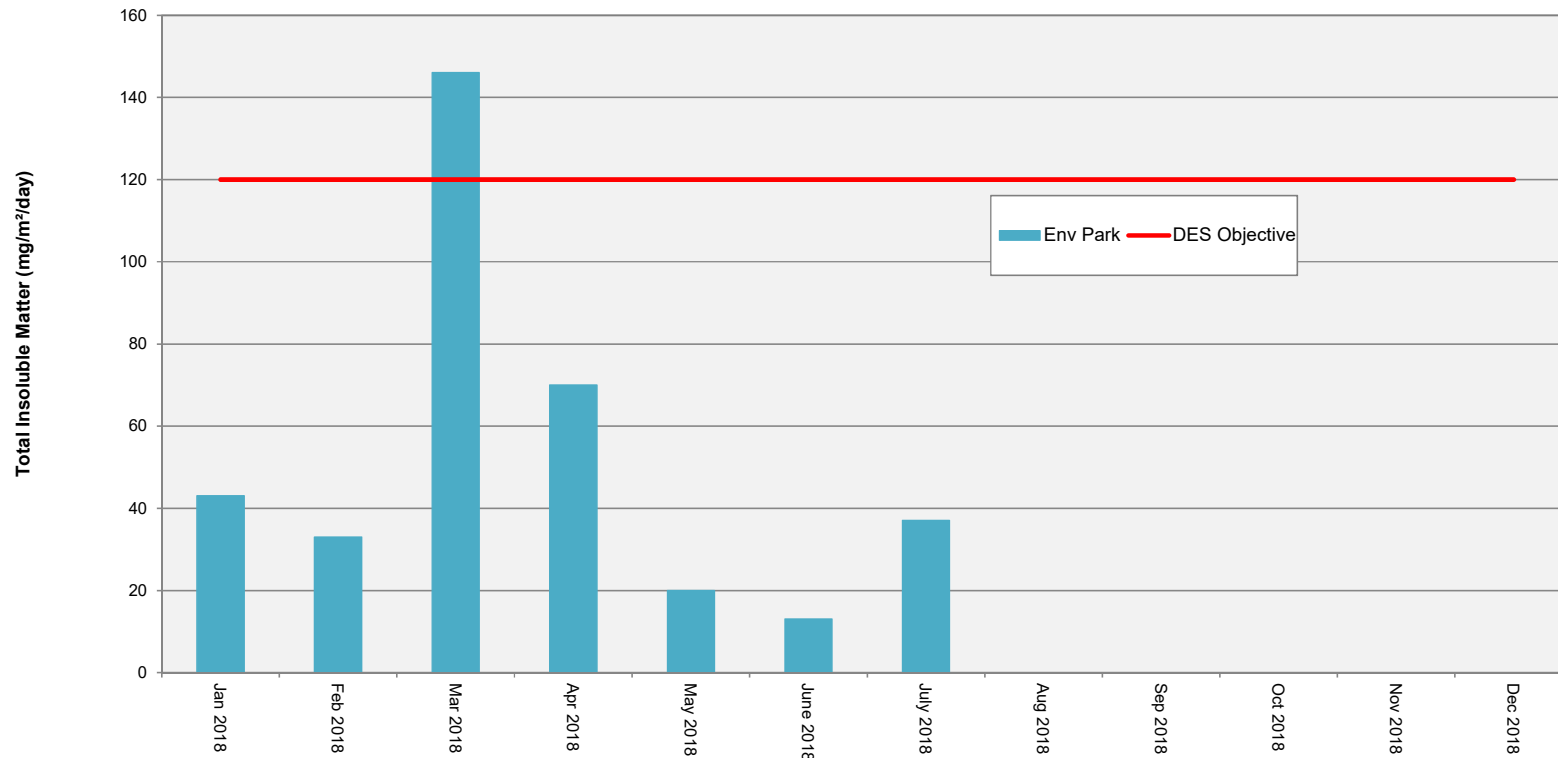
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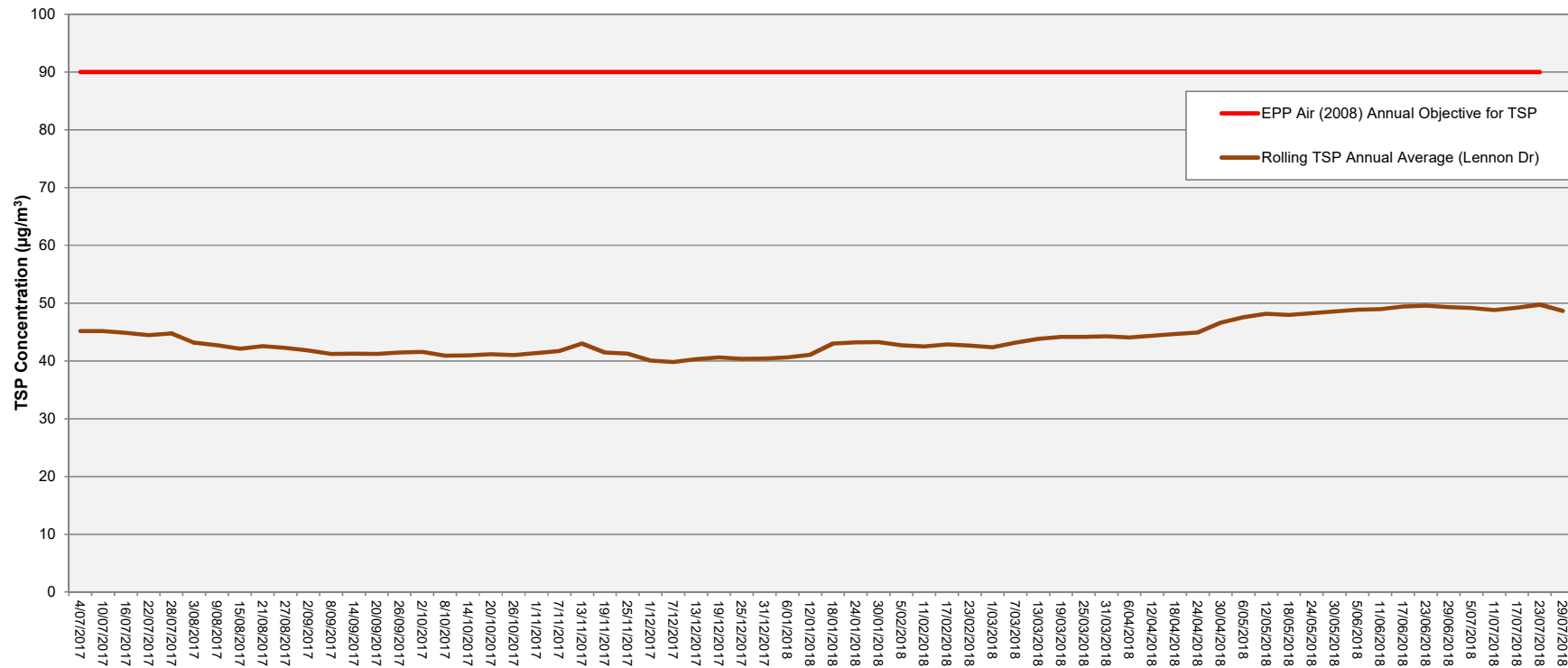
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Dust Deposition Gauge – General dust deposition levels (monthly) at Environment Park Site 2018



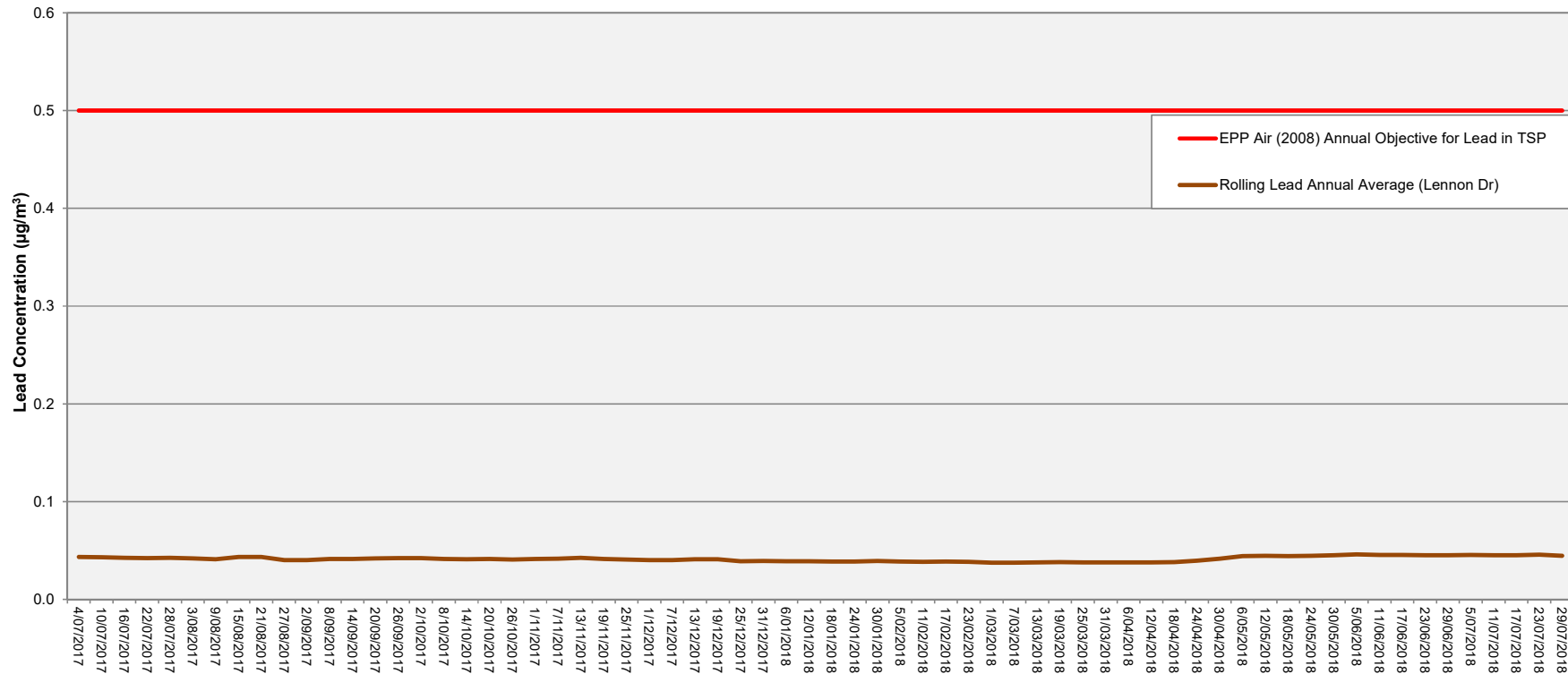
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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



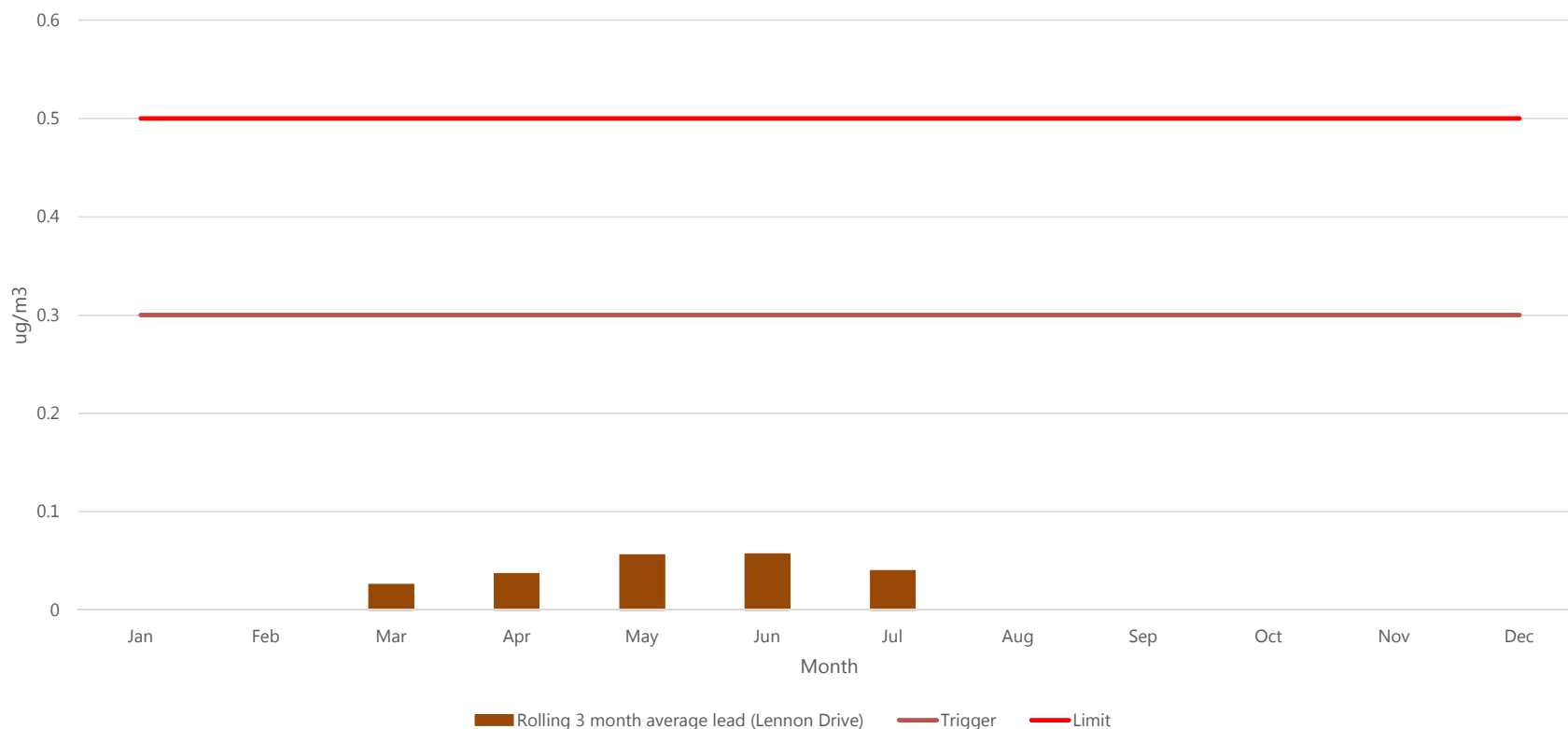
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
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Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site JULY 2017 – JULY 2018



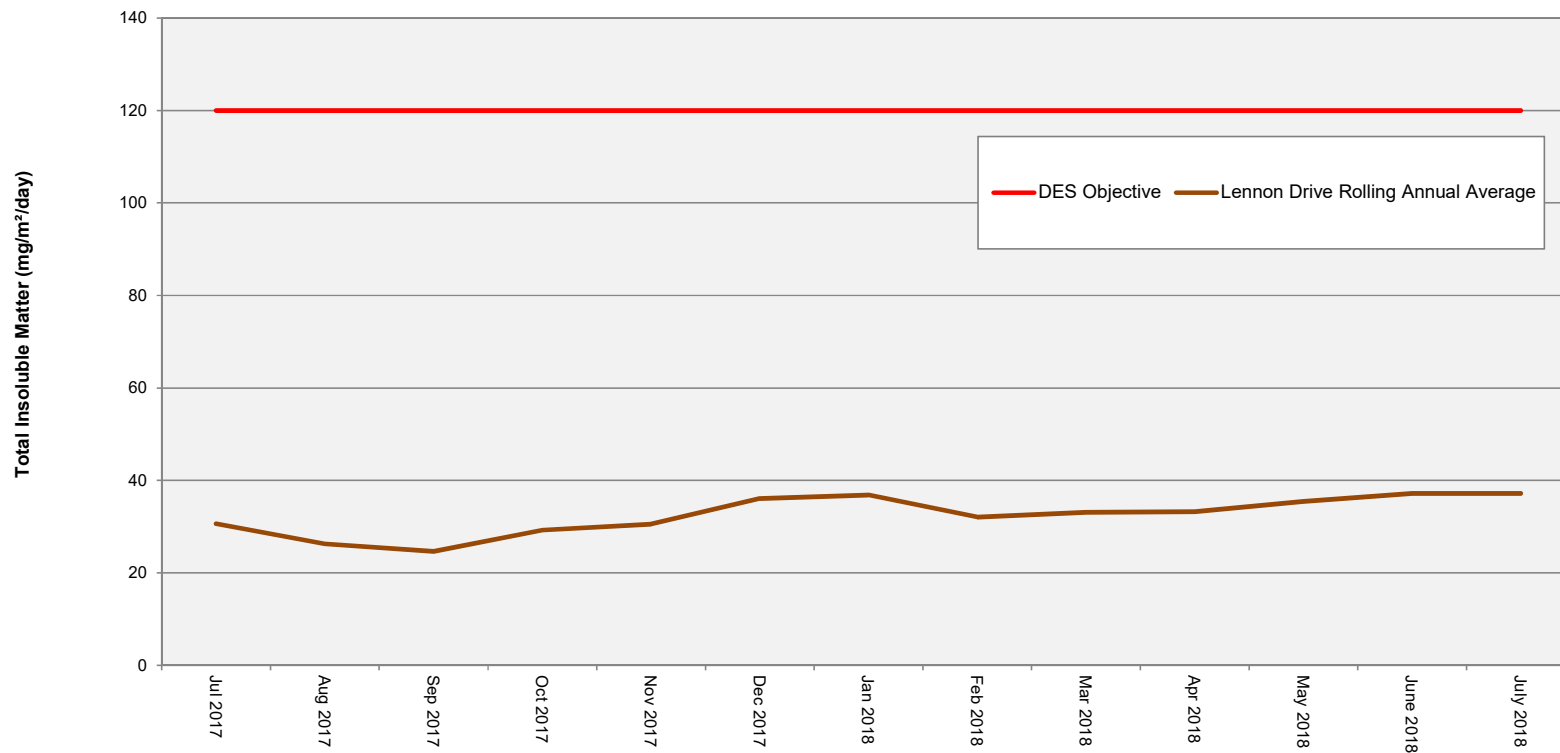
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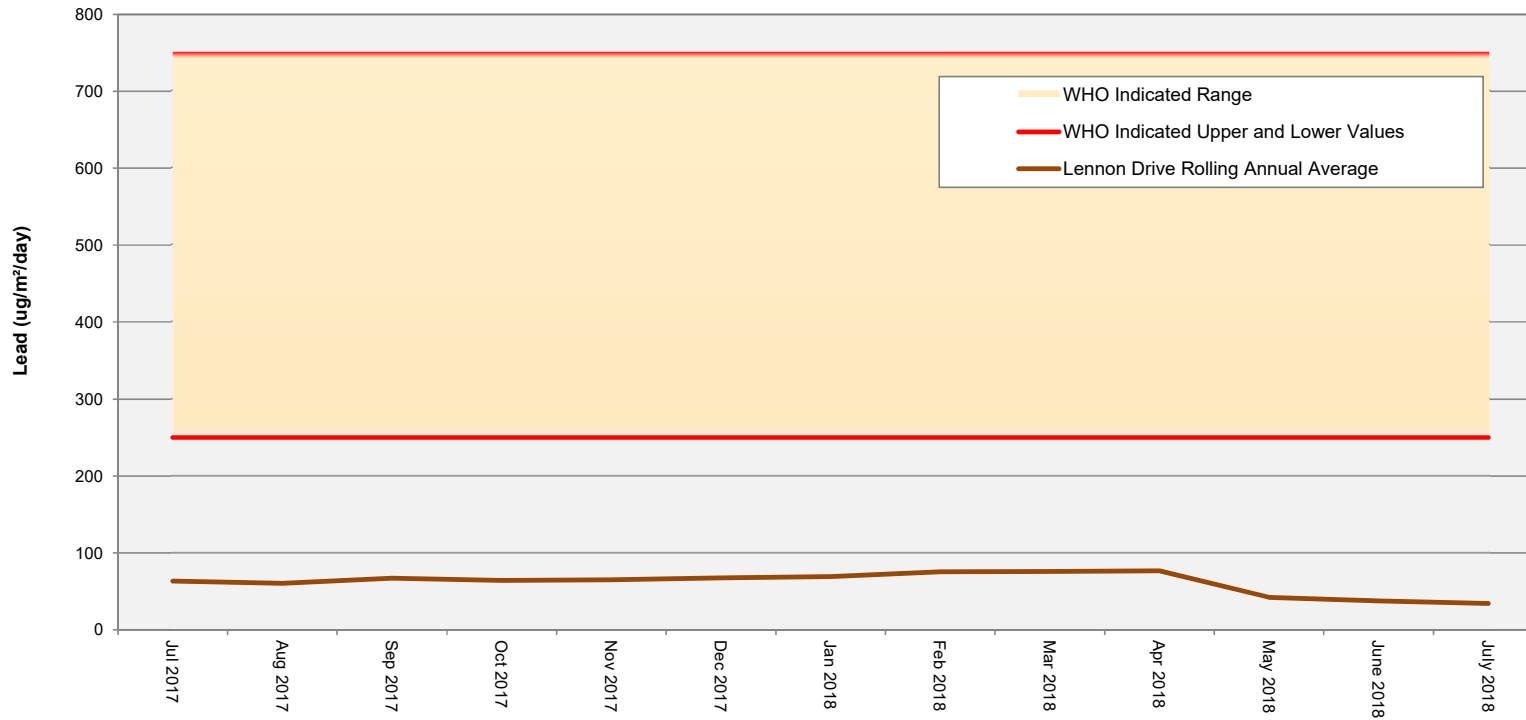
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Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site JULY 2017 – JULY 2018



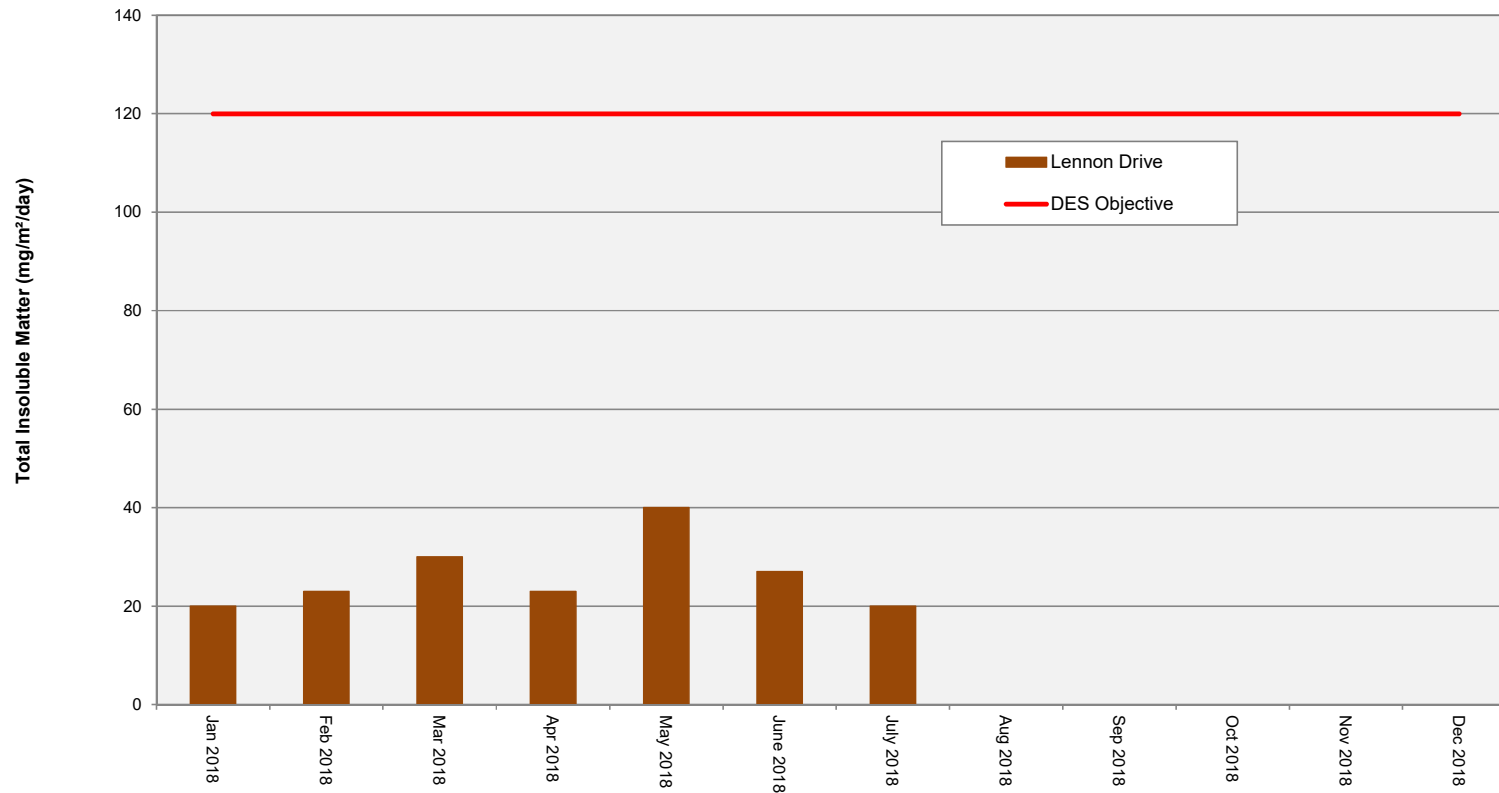
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Dust Deposition Gauge – General dust deposition levels (monthly) at Lennon Drive Site 2018



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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.