

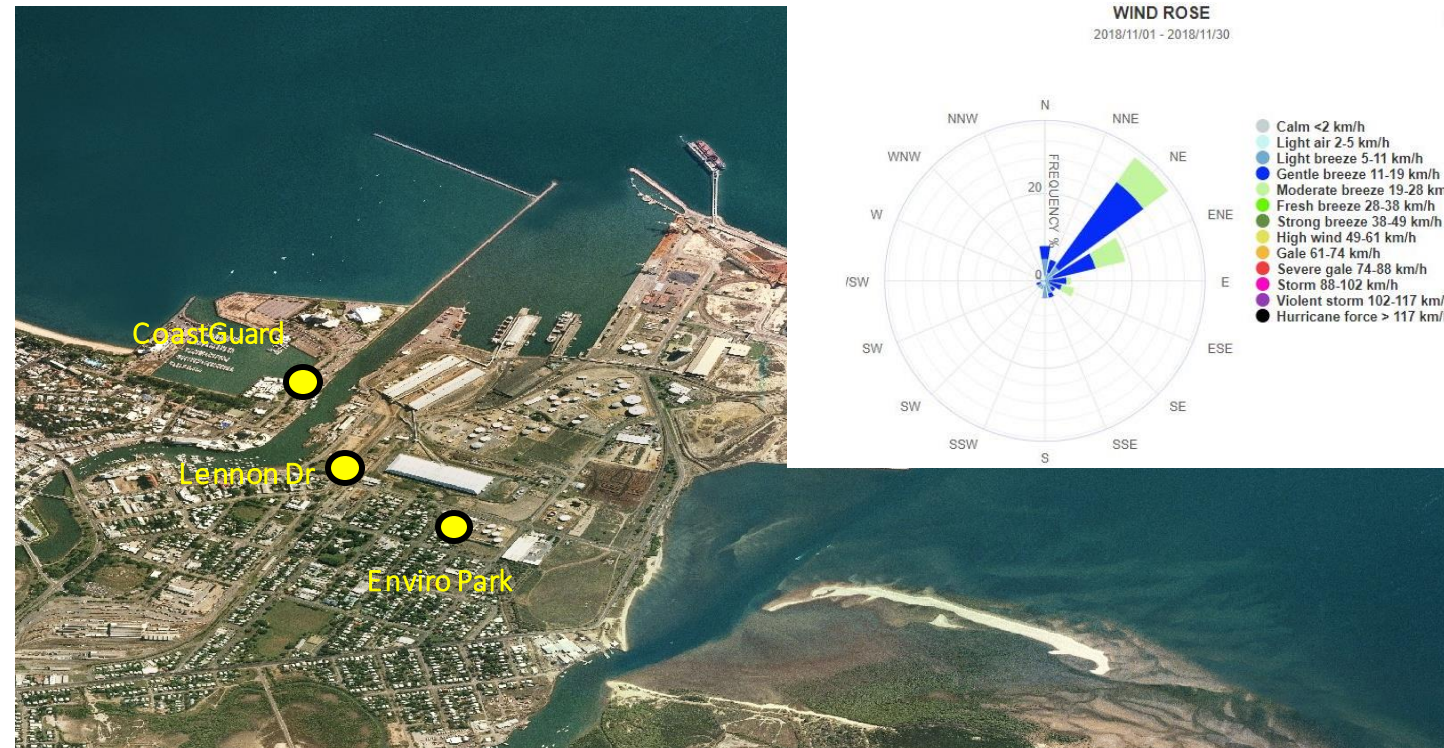
AIR QUALITY MONITORING IN TOWNSVILLE

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



Information



Dust Monitoring Equipment – an explanation

What cargo is handled at the Townsville Port?

Subscribe, ask questions, provide feedback

Queensland Health statement on lead and safe levels in air around humans

What does this Dashboard show me?

Data



Live Air Quality Monitoring data

Air Quality Bulletin

Live Shipping Schedule

Rainfall Data - BOM

Air Quality Monitoring Plan

Shipping Movements in November 2018

Date In/Out	Vessel Name	Berths	Cargo	Date In/Out	Vessel Name	Berths	Cargo
02-06	ECKERT OLDENDORFF	3	Lead Ingots	17-18	CEPHEUS LEADER	9	Motor Vehicles
02-05	RSS RESOLUTION	10	Army Equipment	19-20	THERESA ORION	9	Molasses
03-06	PACIFIC CONDOR	3	Tyres, Copper refined	19-20	BRITISH CADET	1	Fuels
03-05	HANYANG	L1	Sugar	19-23	KYOWA ROSE	3	Tyres, Copper refined
04-05	KING SUGAR	9	Sugar	20-23	BW NILE	1	Fuels
06-08	ALAM SINAR	3	Fertilizer	20-22	INDUSTRIAL ECHO	3	Zinc Concentrates
07-07	GRAVITY HIGHWAY	10	Motor Vehicles	21-23	SEAS 5	11	Lead Concentrates
07-08	GARNET EXPRESS	1	Fuels	21-22	SMILEY LADY	4	Containers
07-08	GALLOWAY EXPRESS	4	Fodder, cattle	22-22	GENIUS HIGHWAY	10	Motor Vehicles
08-08	BLACK PANTHER	TMP 1	NIL	22-24	SHENGKING	4	Containers
08-09	BLUEBIRD ARROW	1	Bitumen	22-23	PAN KRISTINE	L1	Sugar
09-09	KARIYUSHI LEADER	10	Motor Vehicles	22-23	GANADO EXPRESS	3	Fodder, cattle
09-10	THERESA MICRONESIA	9	Molasses	23-24	GALLOWAY EXPRESS	3	Fodder, cattle
10-10	GREYMAN EXPRESS	4	Fodder, cattle	24-26	ANNA MARRA	4	Fodder, cattle
10-12	KOTA NIPAH	3	Containers	24-25	GOLDEN TAKA	1	Fuels
12-14	GLORY ATLANTIC	4	Cement	25-27	GOLDEN TAKA	1	Sulphuric Acid
12-14	WP AMBITION	L1	Sugar	26-29	HMAS ADELAIDE	10	Defence personell
14-17	KEN VOYAGER	3	Nil Cargo	26-26	SOFRANA TOURVILLE	3	Containers
14-15	NORD TOKYO	8	Fertilizer	27-28	USS GREEN BAY	4	Defence personell
15-17	GLADIATOR	4	Scrap	27-30	GLORIOUS SUNRISE	9	Sulphur
15-17	PENGHU SW	9	Sugar	29-30	FLORA DELMAS	3	Nil Cargo
16-16	BRITISH CHIEF	1	Fuels	29-01	GLORY ATLANTIC	4	Cement
16-20	DOGAN	3	Zinc Ferrites				

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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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

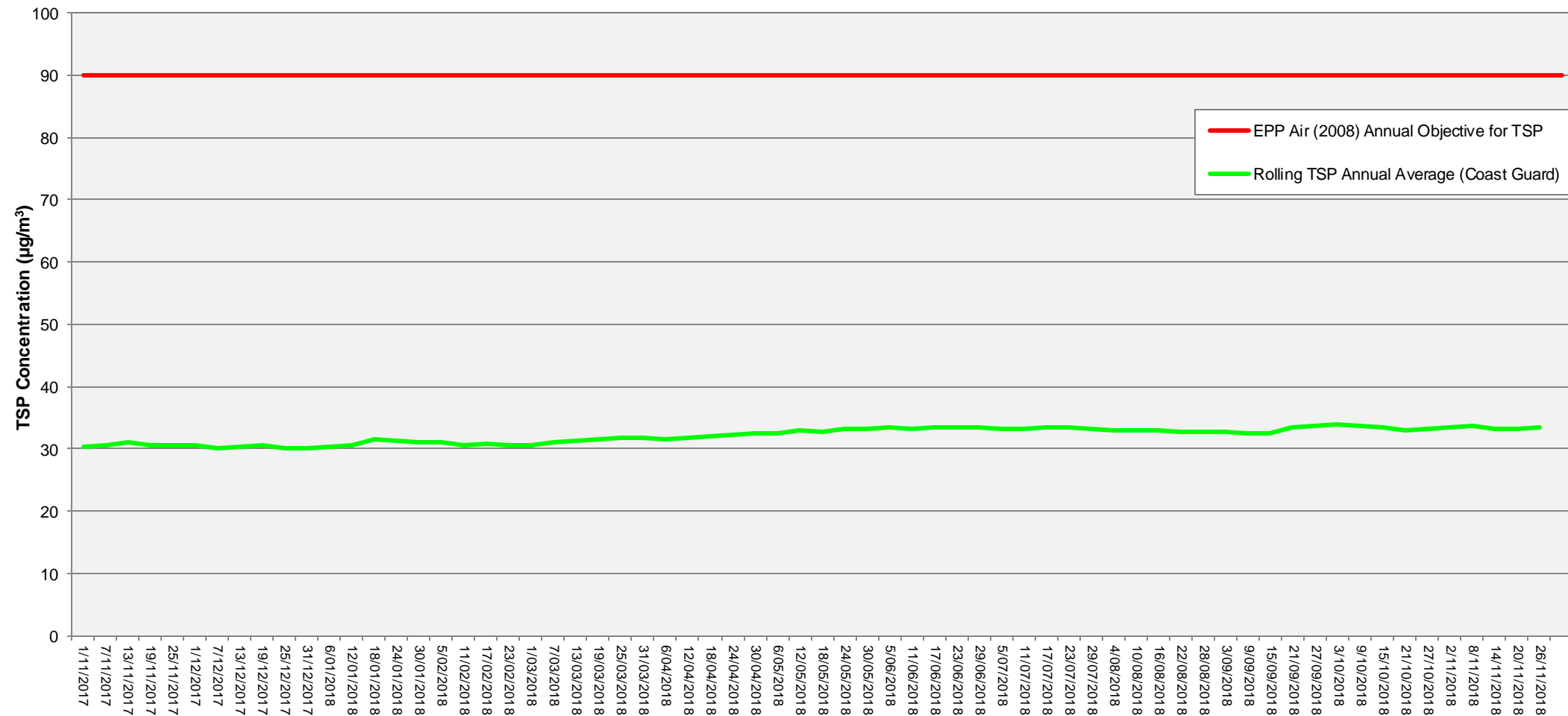
Phone 07 47 811 500 and asked to be added to the list.

Ask a Question / Provide Feedback

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

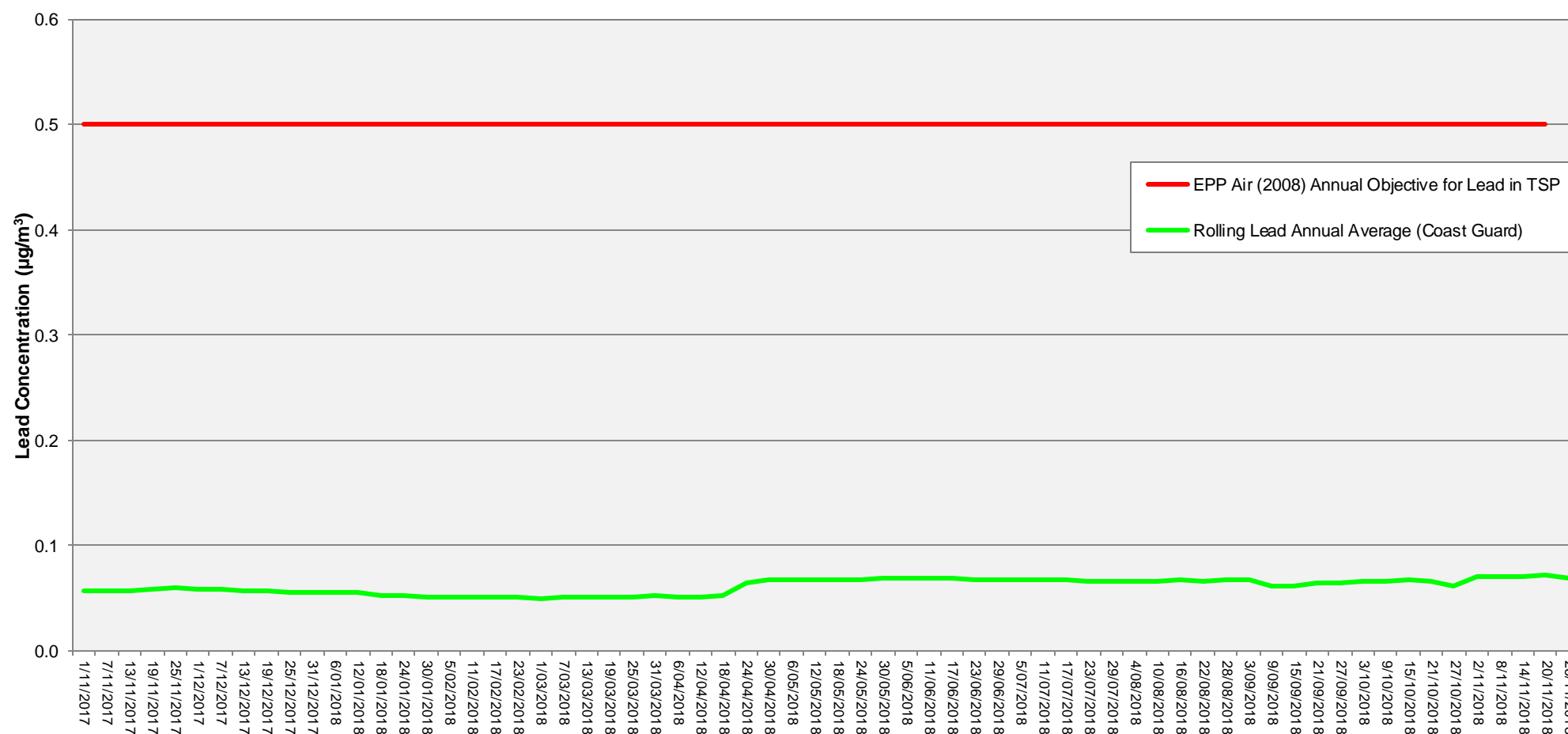


Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site NOVEMBER 2017 – NOVEMBER 2018

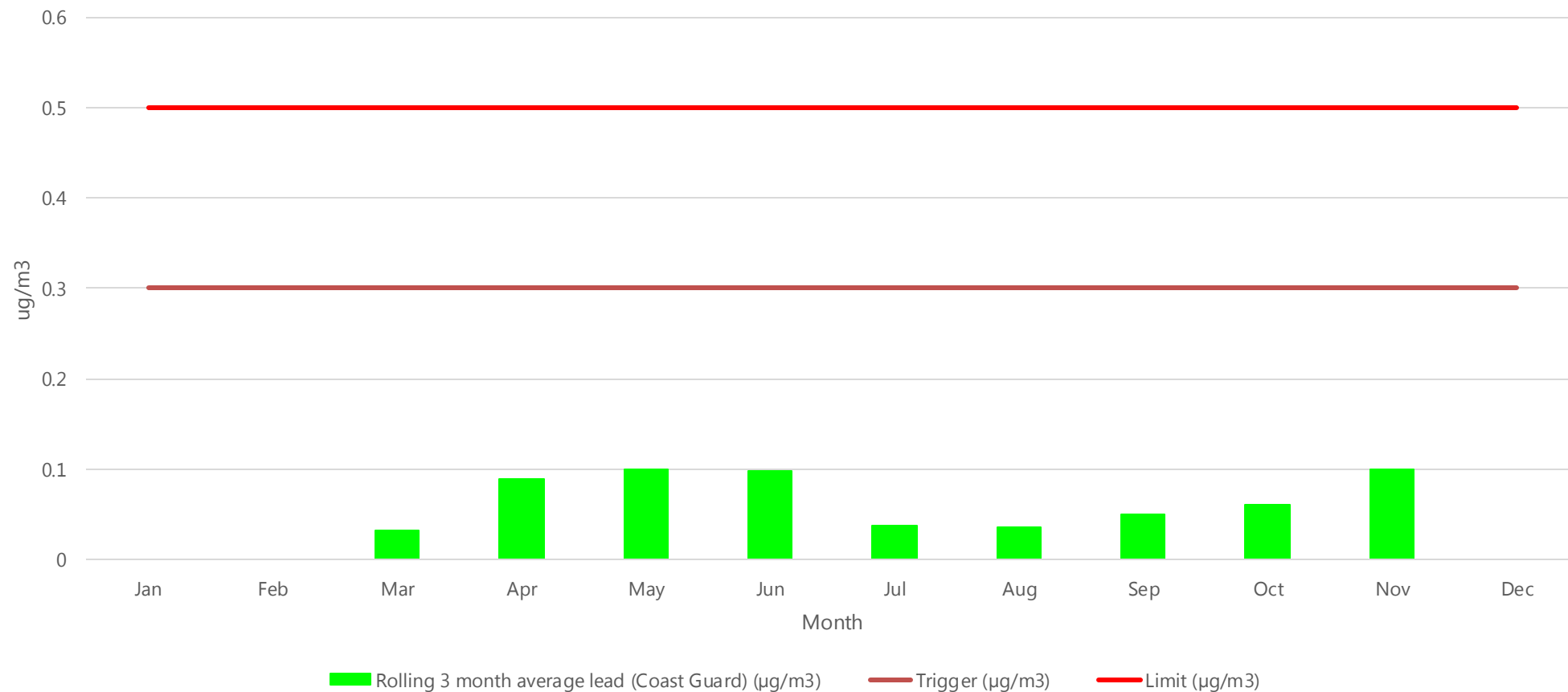


Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
 Rolling annual average = the moving average of the previous 11 results and the current result

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

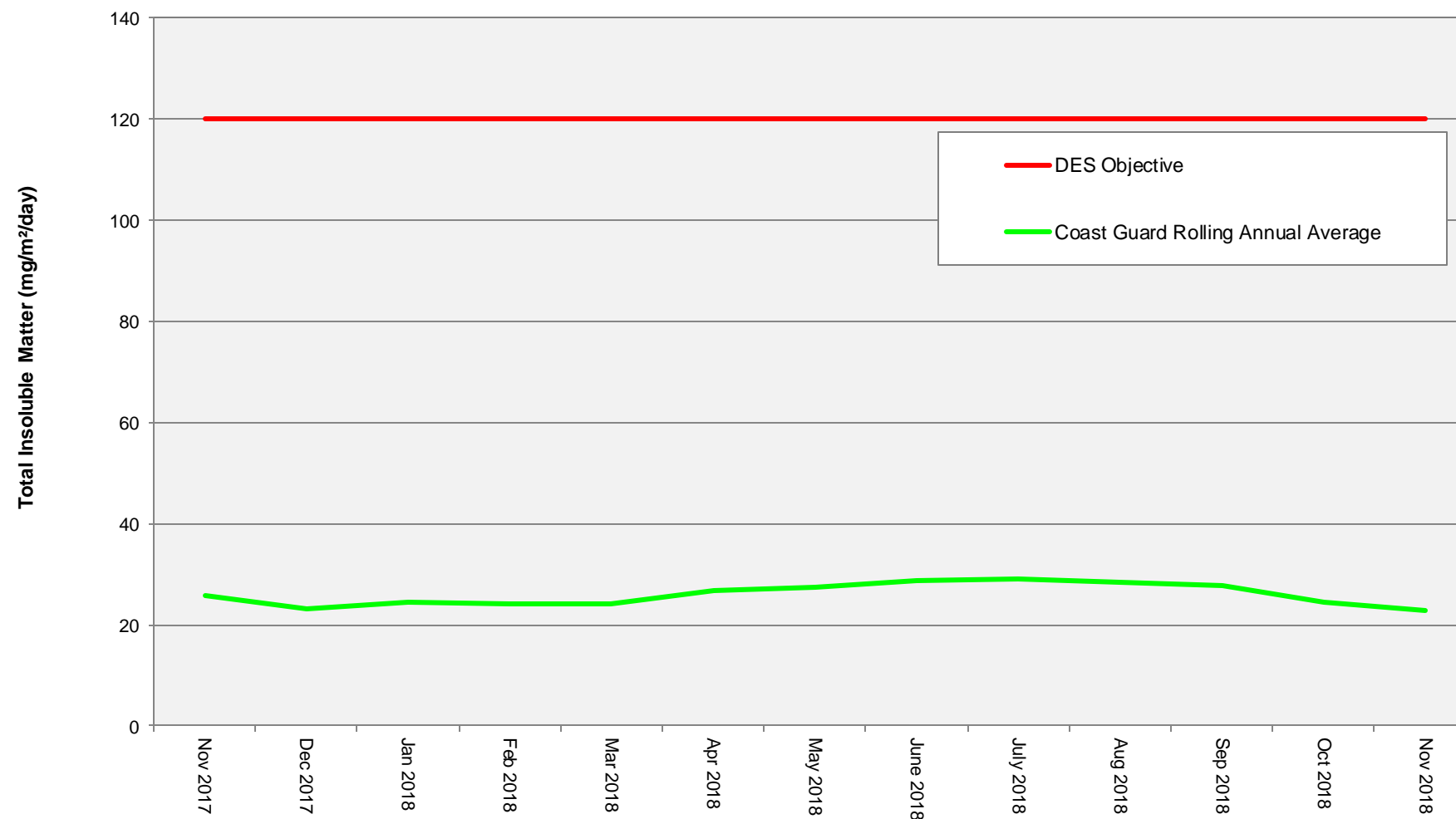


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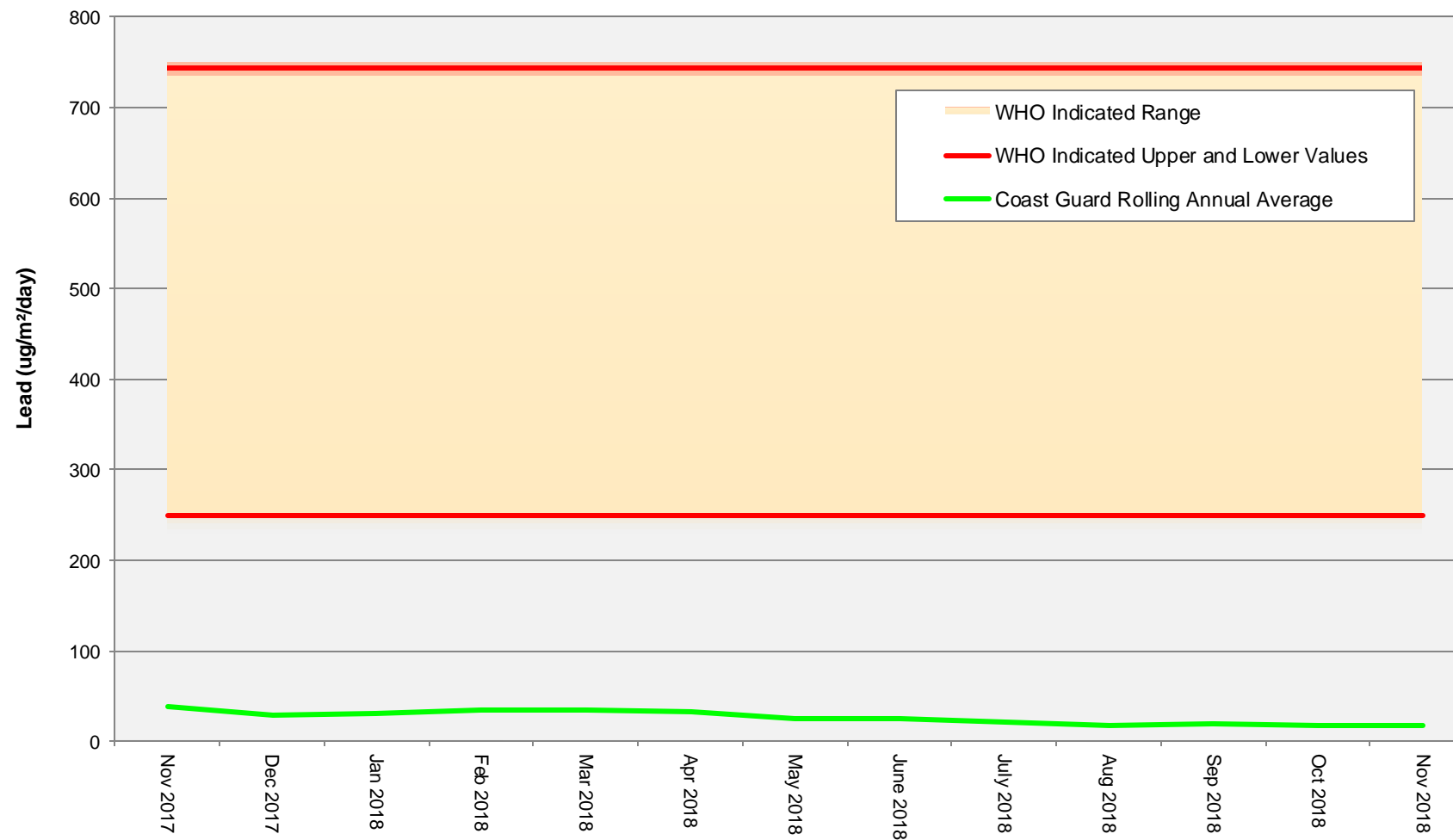
Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

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



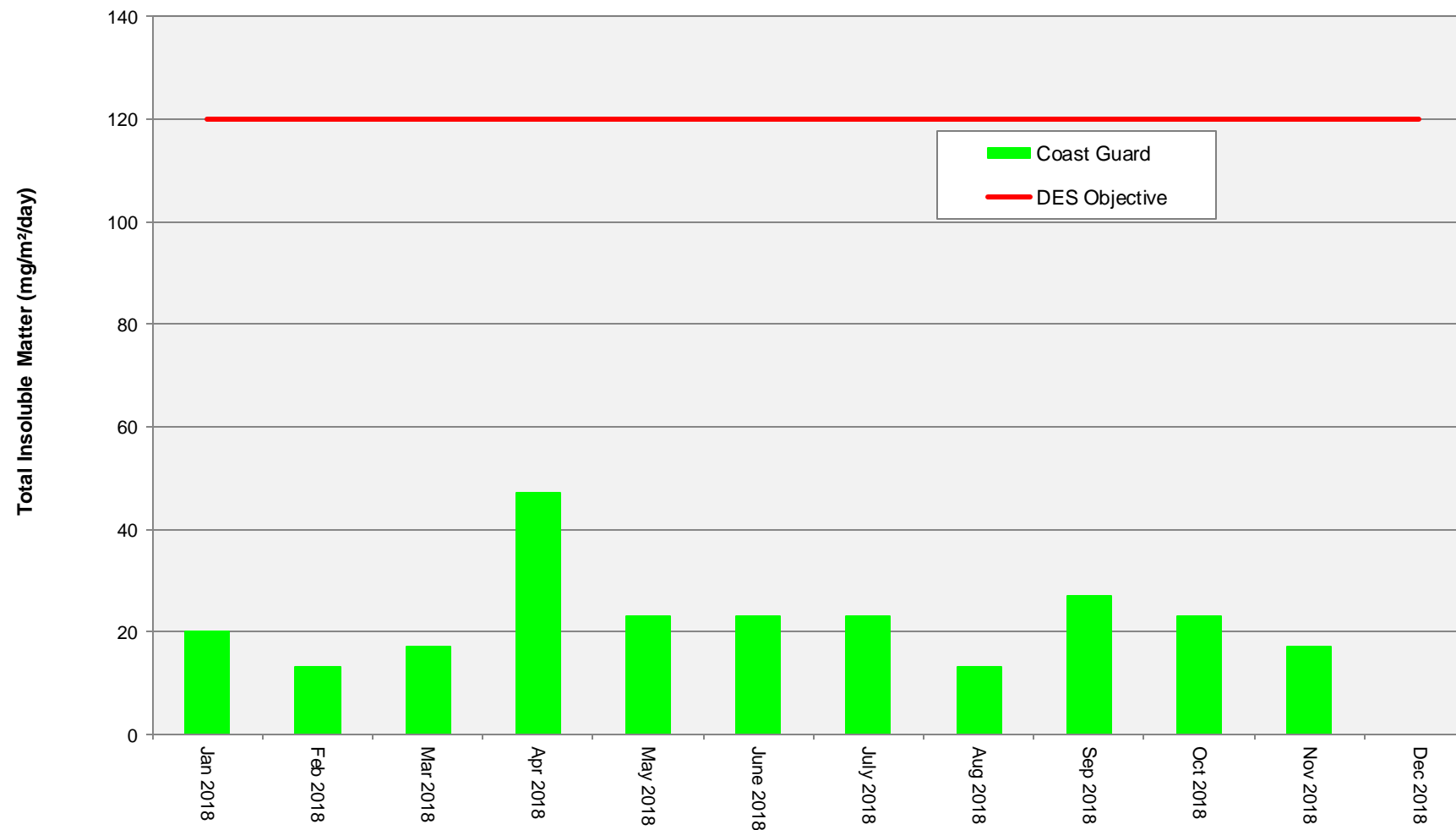
Note: Total Insoluble Matter Concentration units = micrograms per square metre per day
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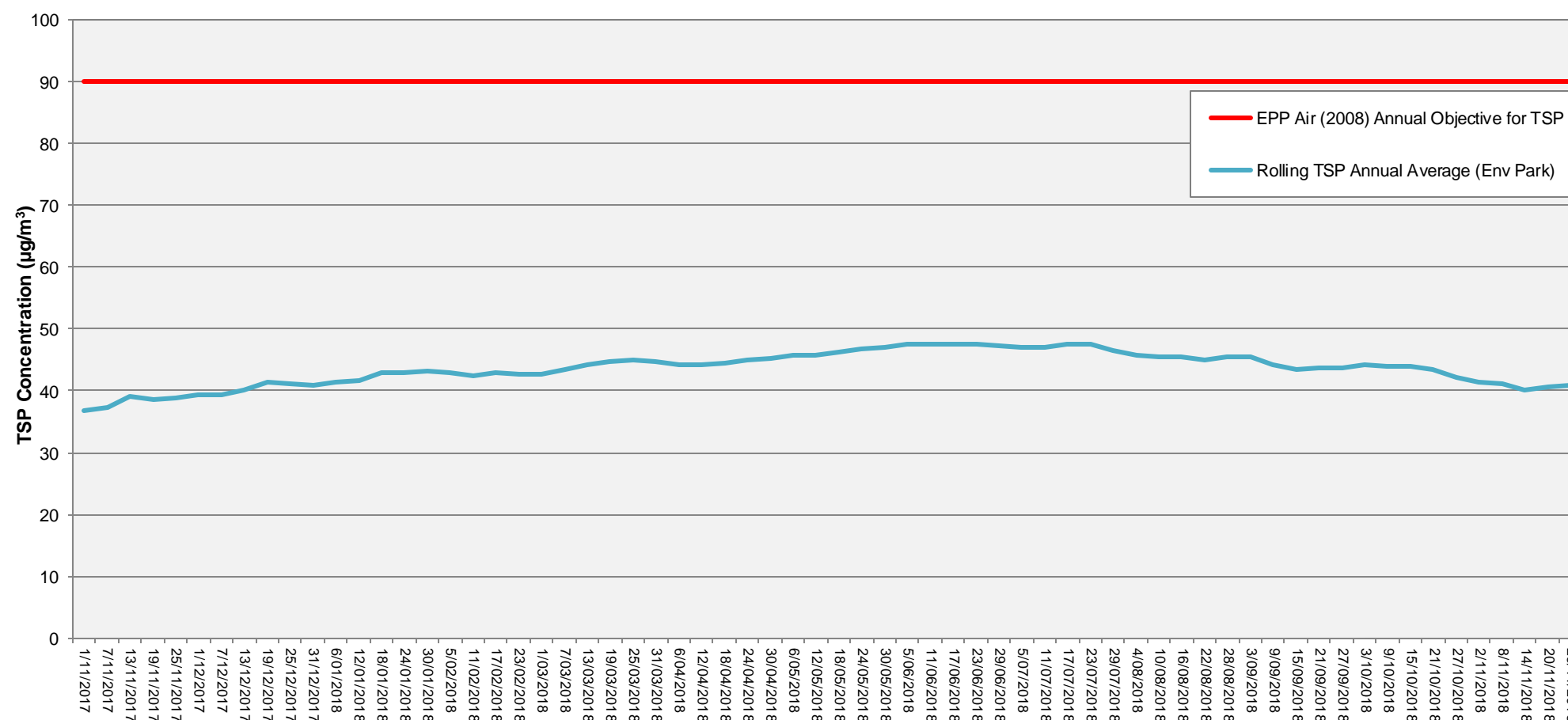
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Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site JANUARY 2018 – NOVEMBER 2018



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 NOVEMBER 2017 – NOVEMBER 2018

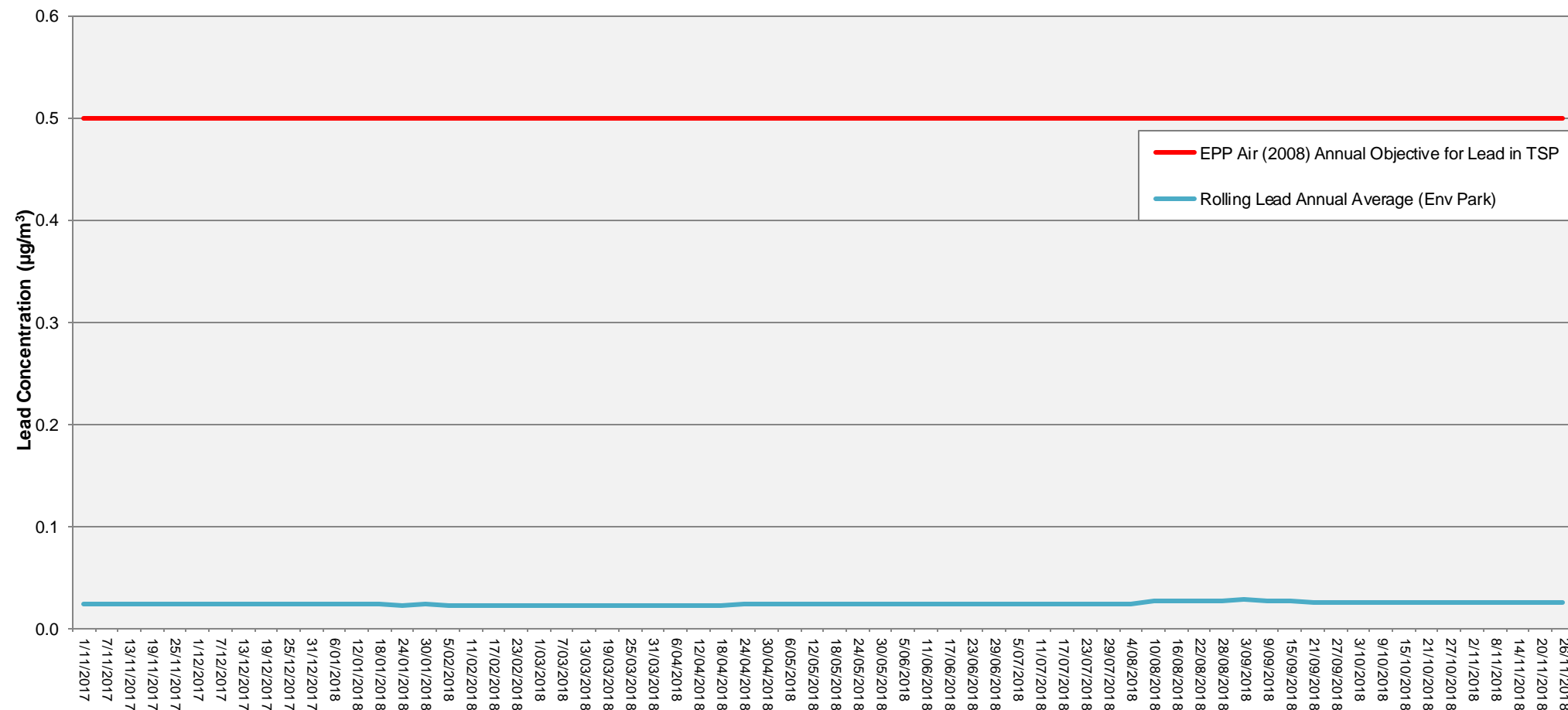


Note:

TSP Concentration units = micrograms per cubic metre per 24 hour period

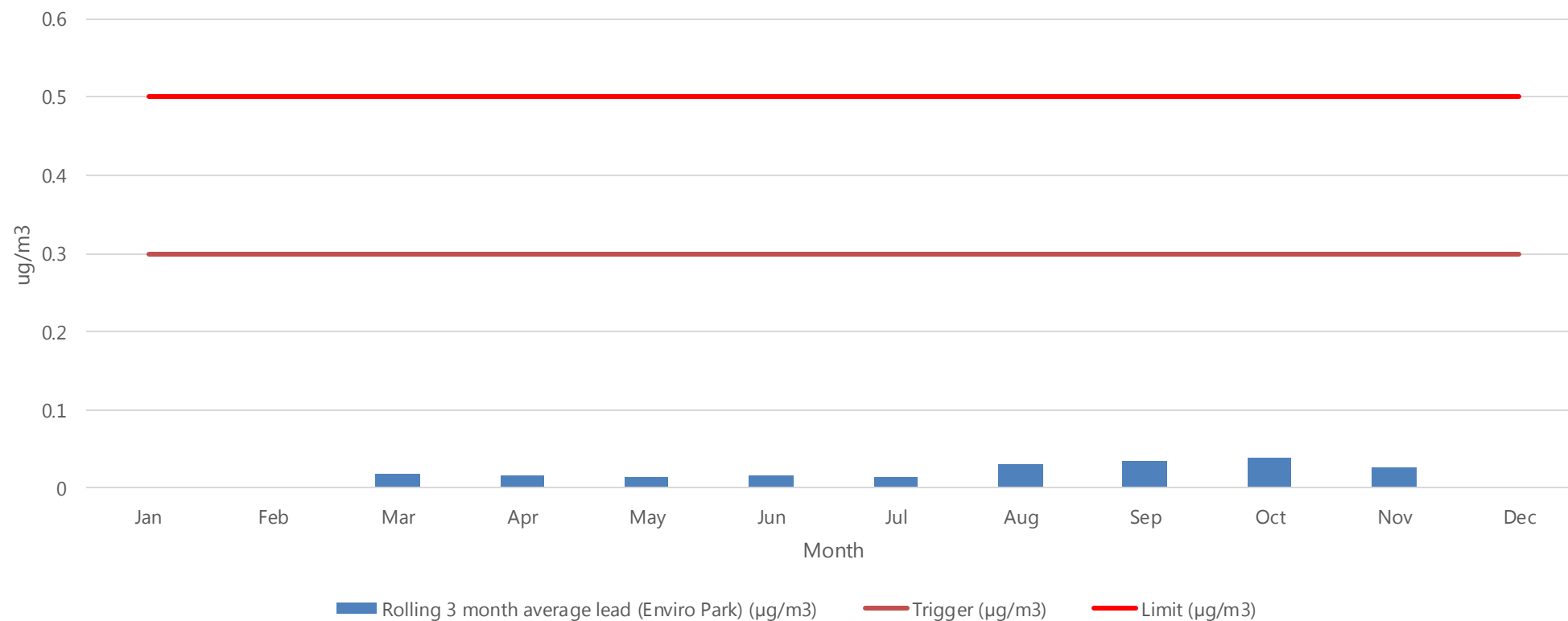
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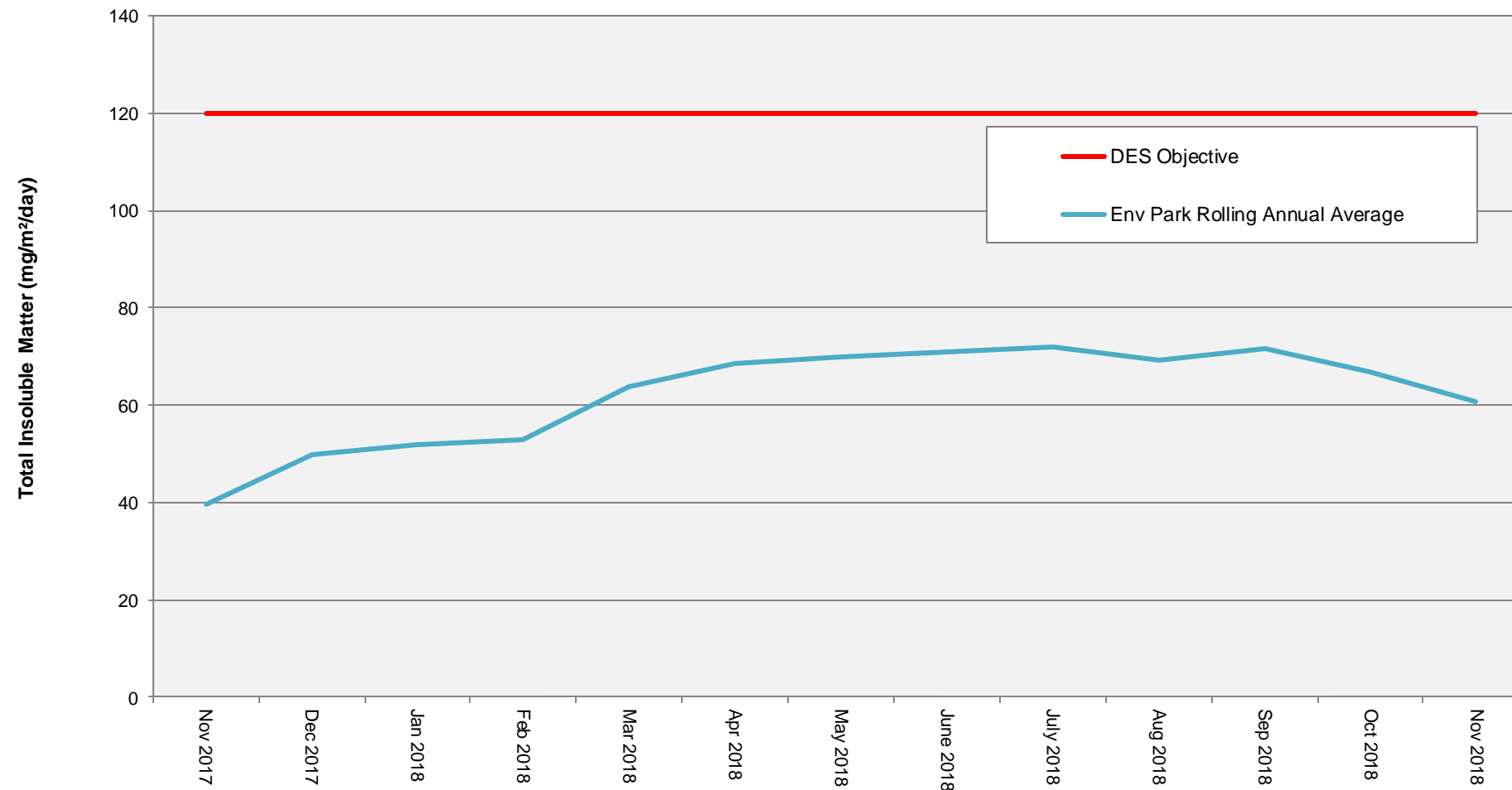
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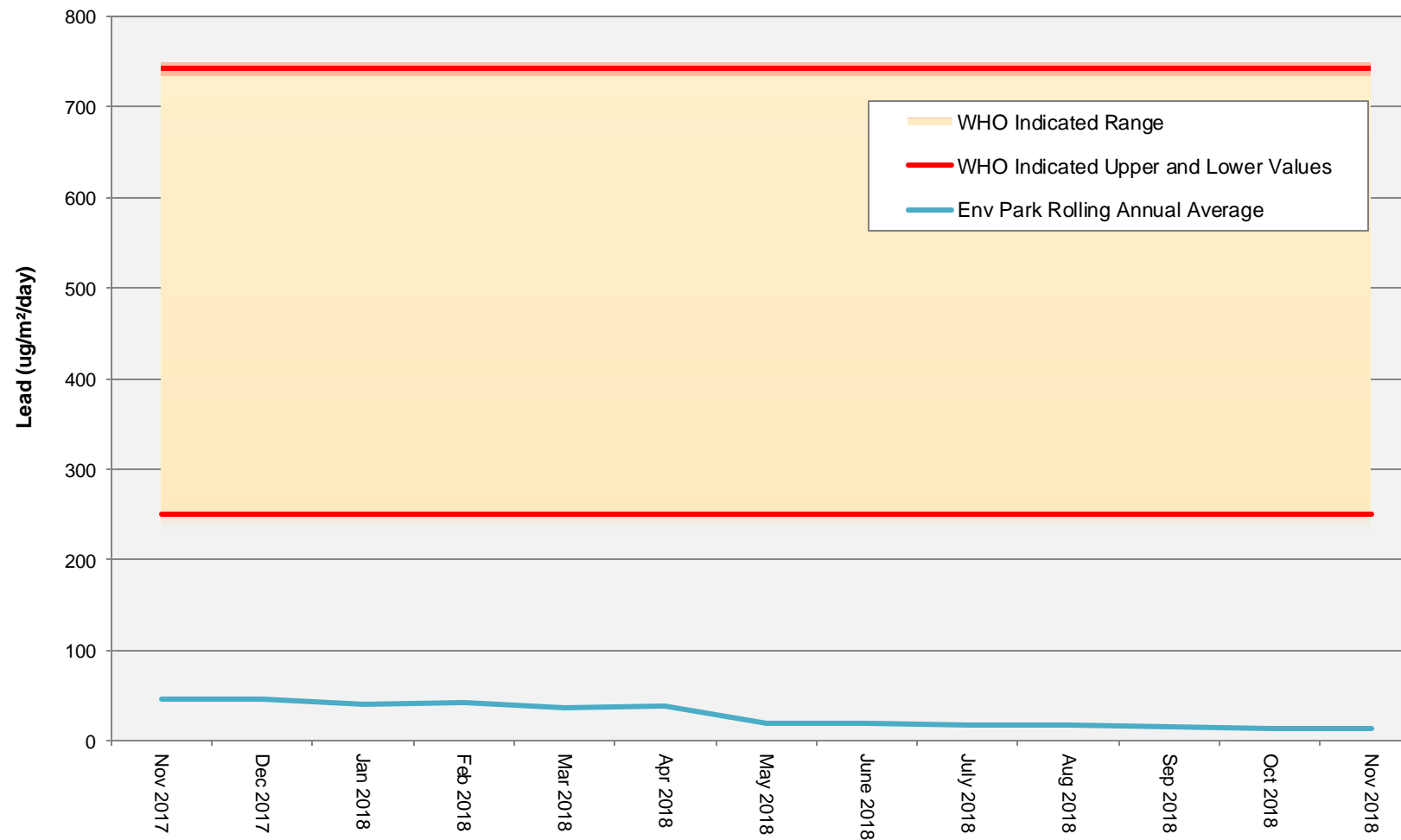
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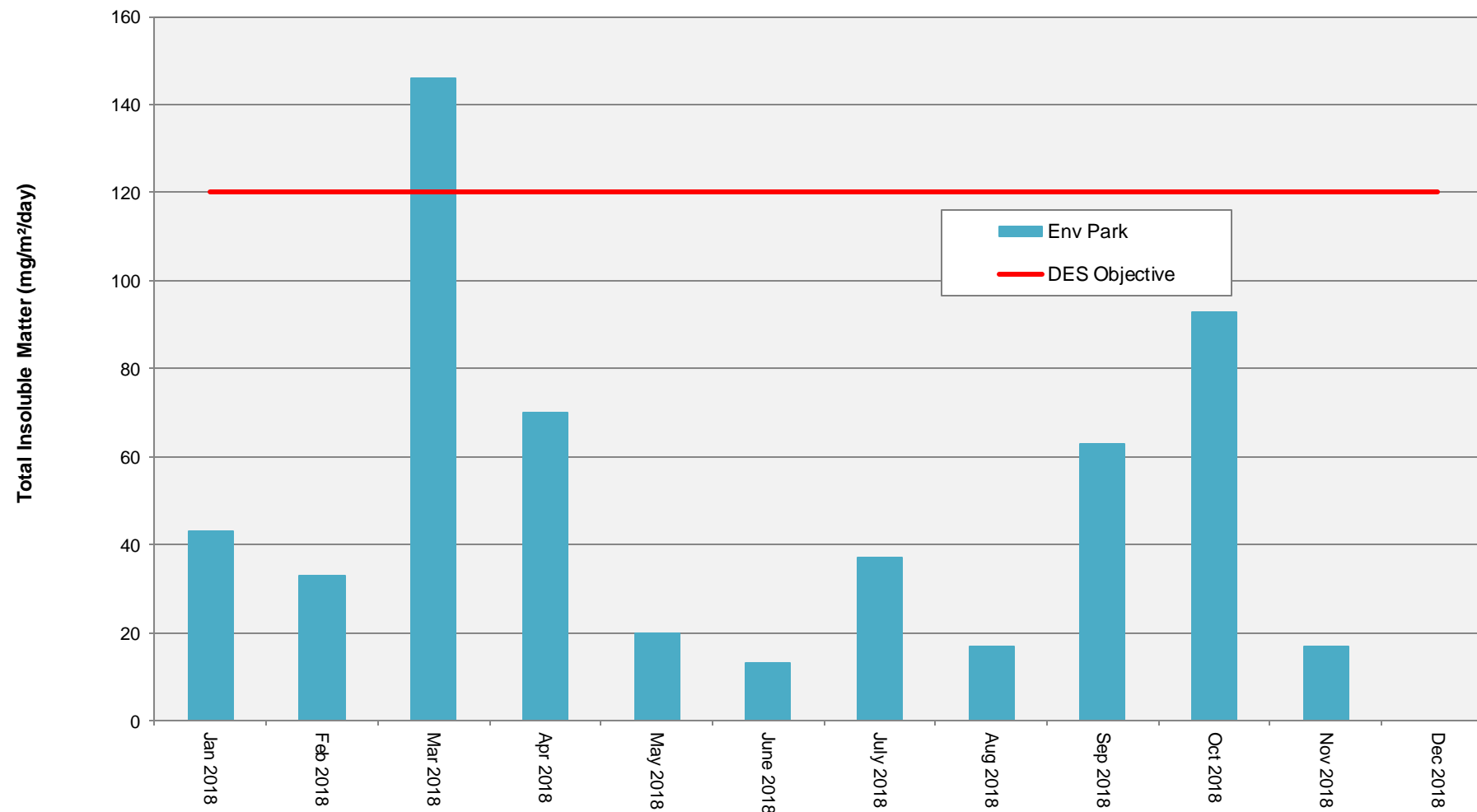
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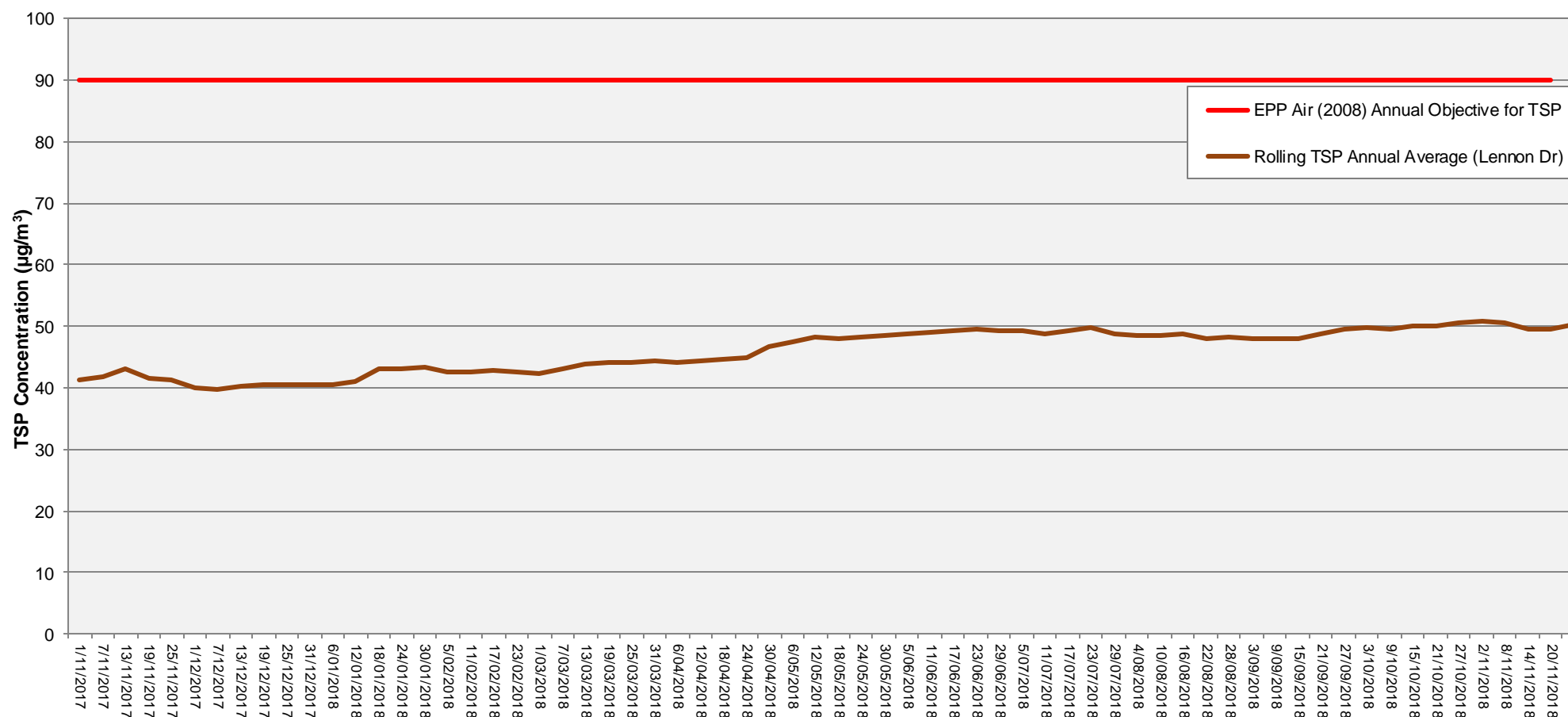
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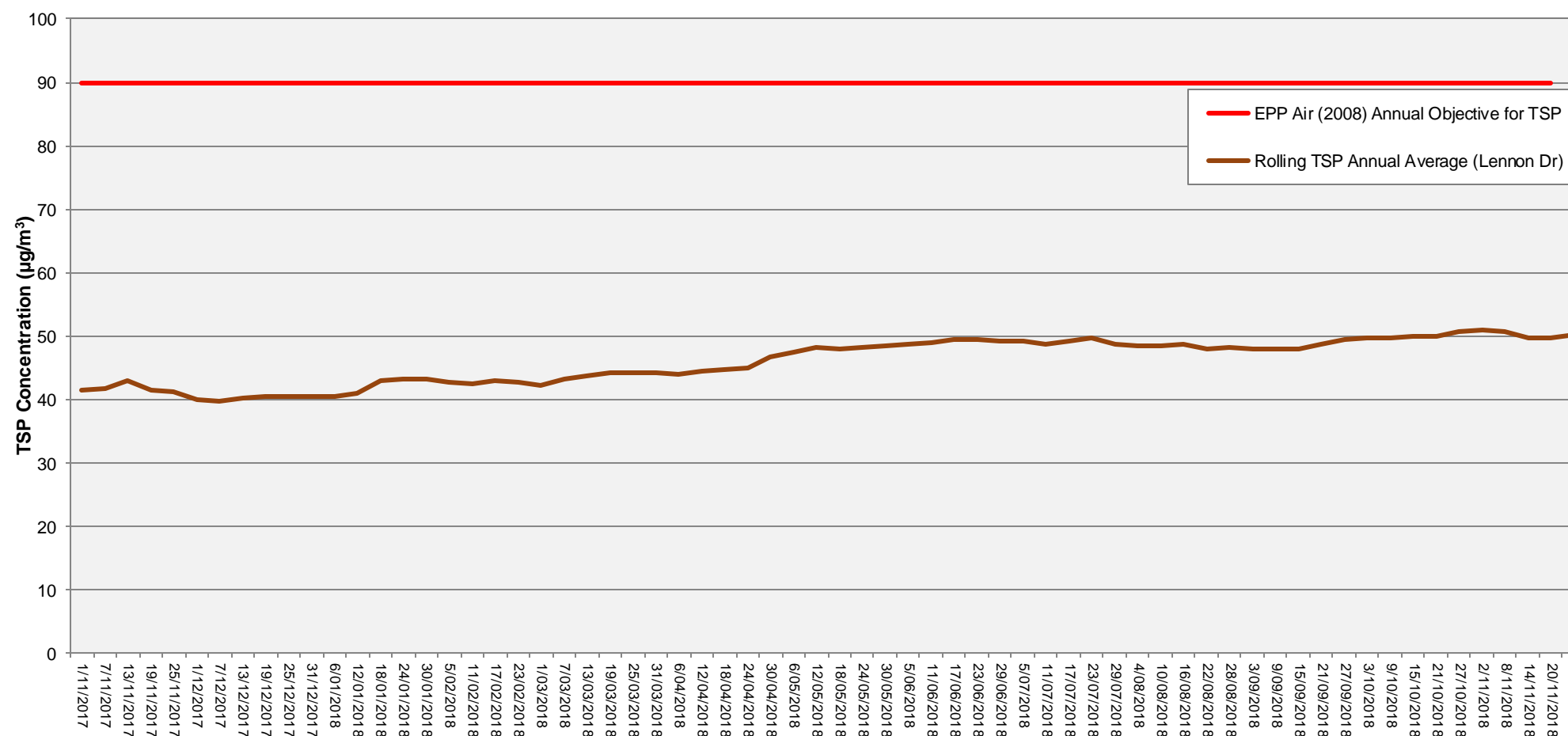
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day

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



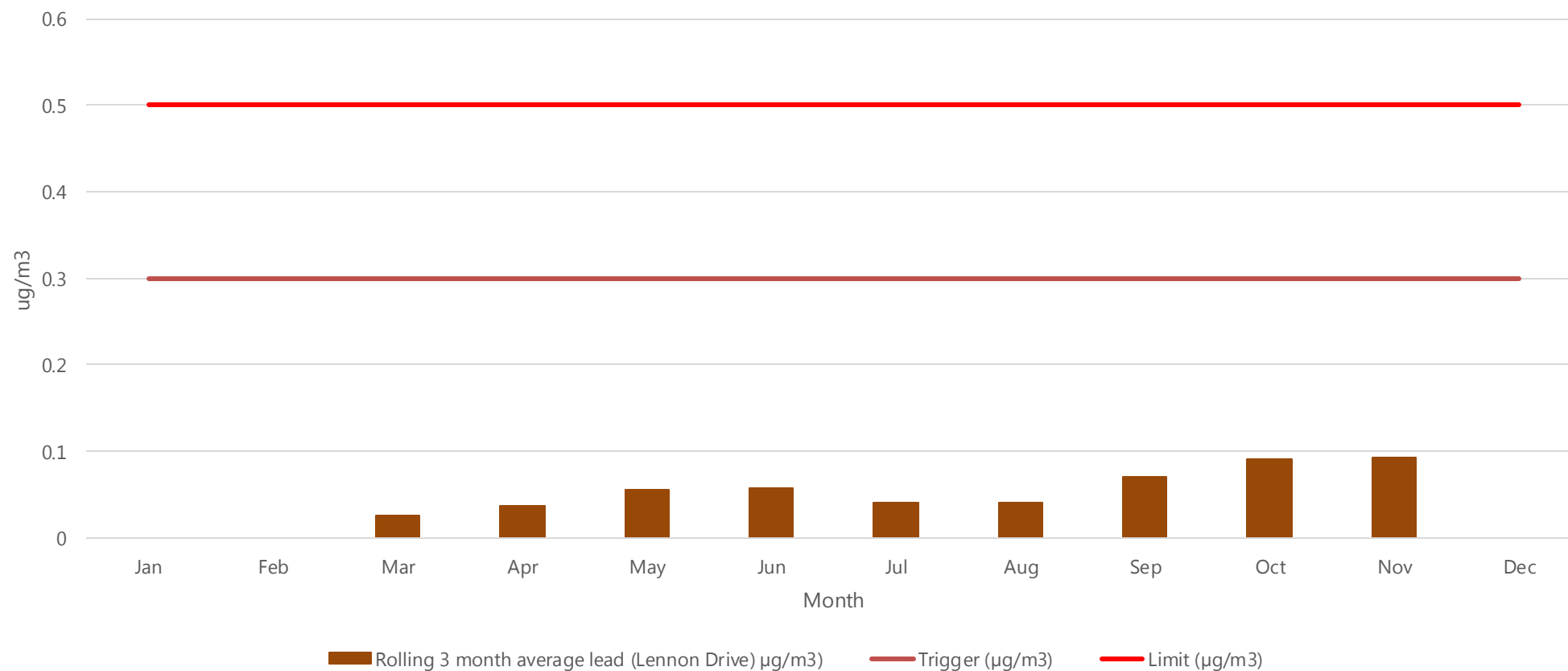
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site NOVEMBER 2017 – NOVEMBER 2018



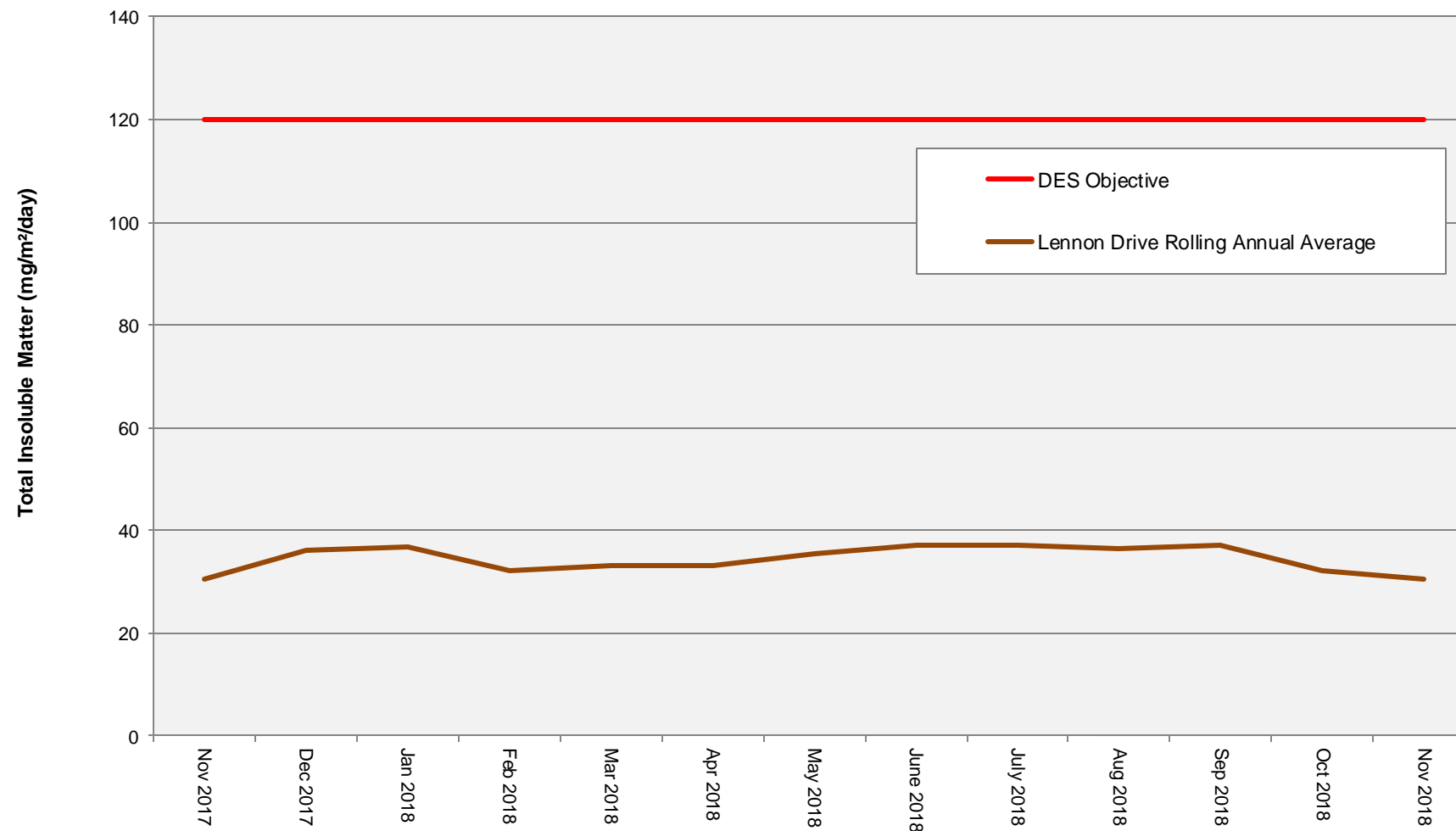
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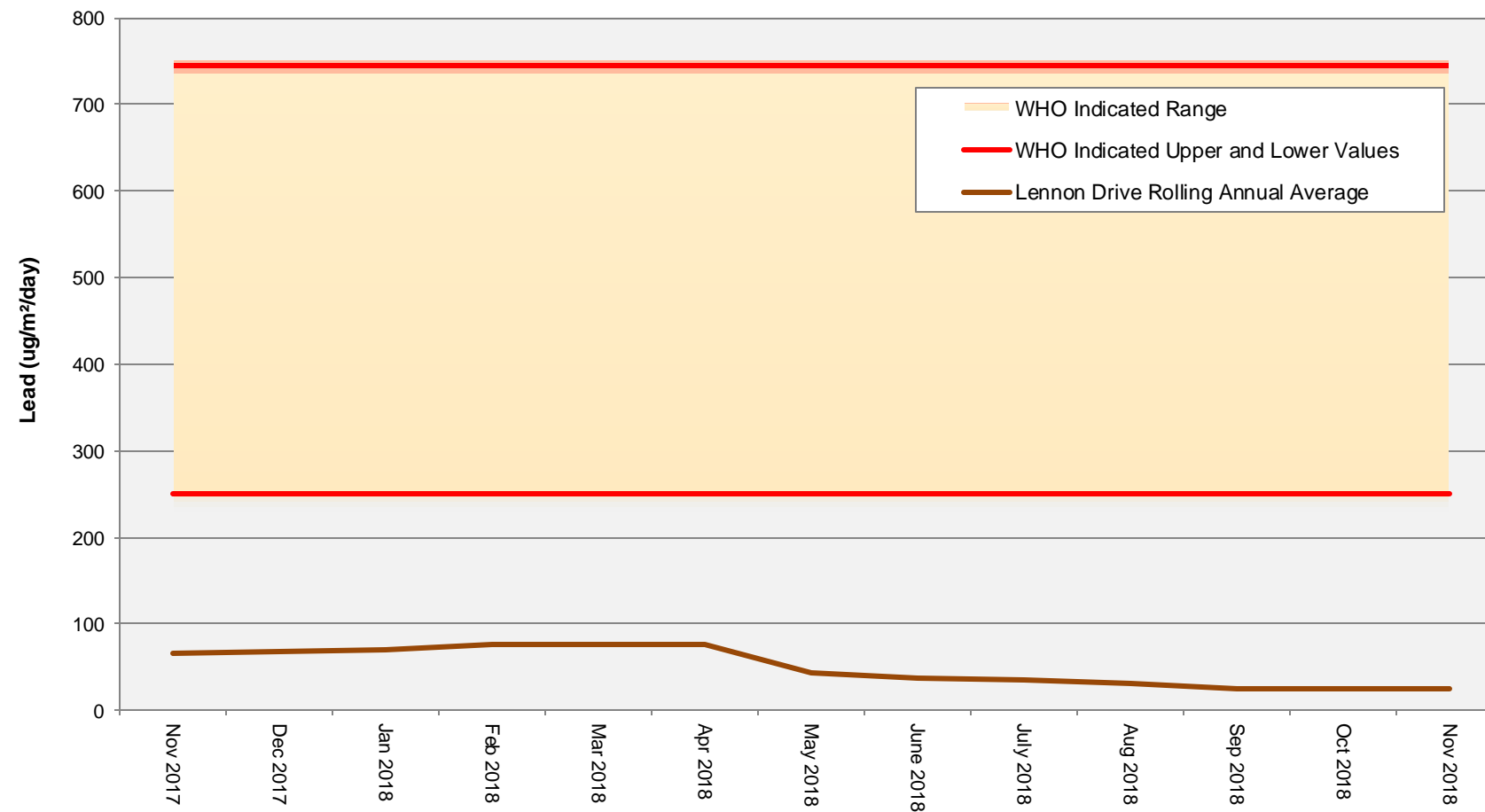
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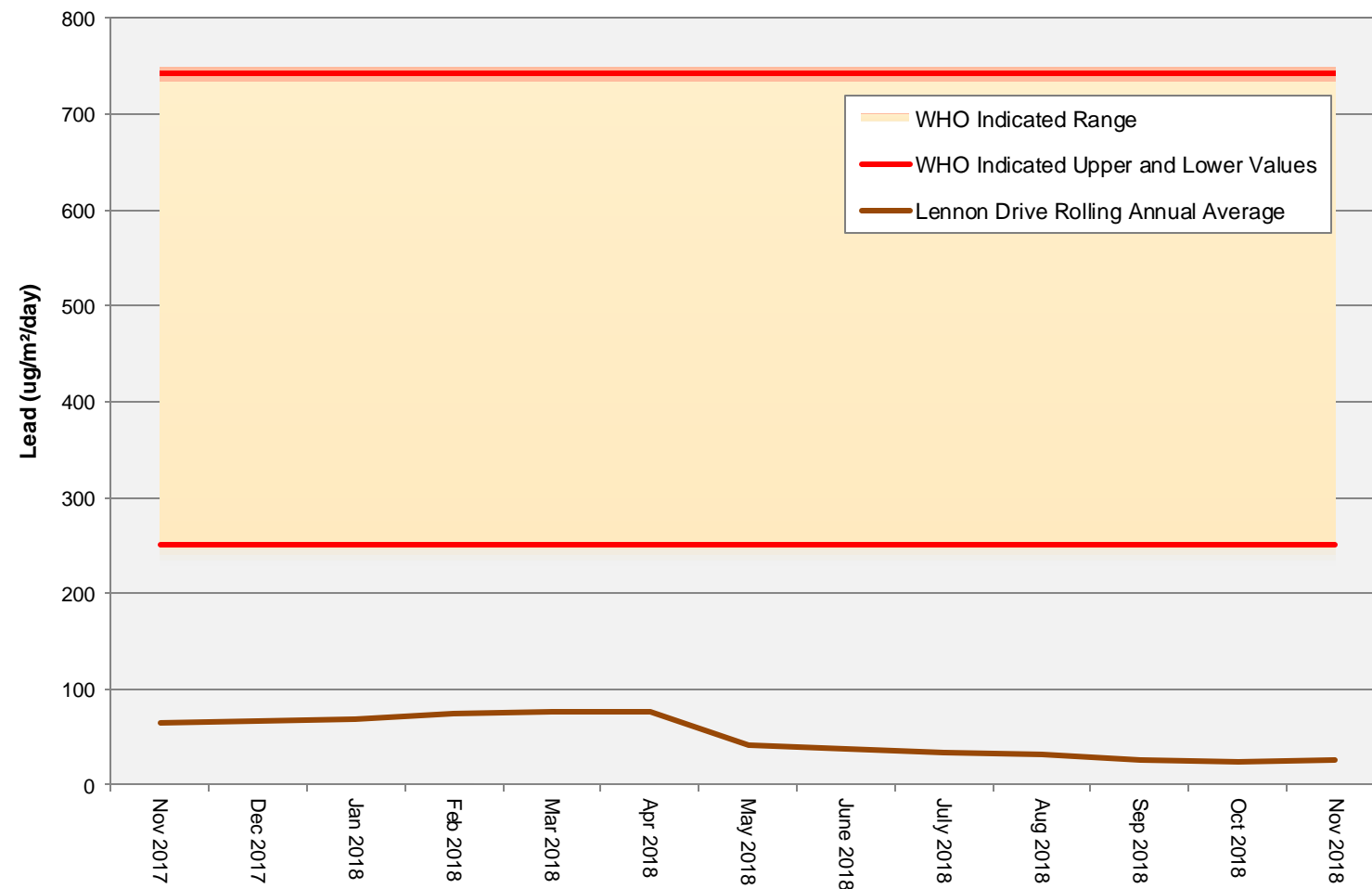
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This statement/advice was provided by Queensland Health in relation to blood lead levels in Townsville in April 2016

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.