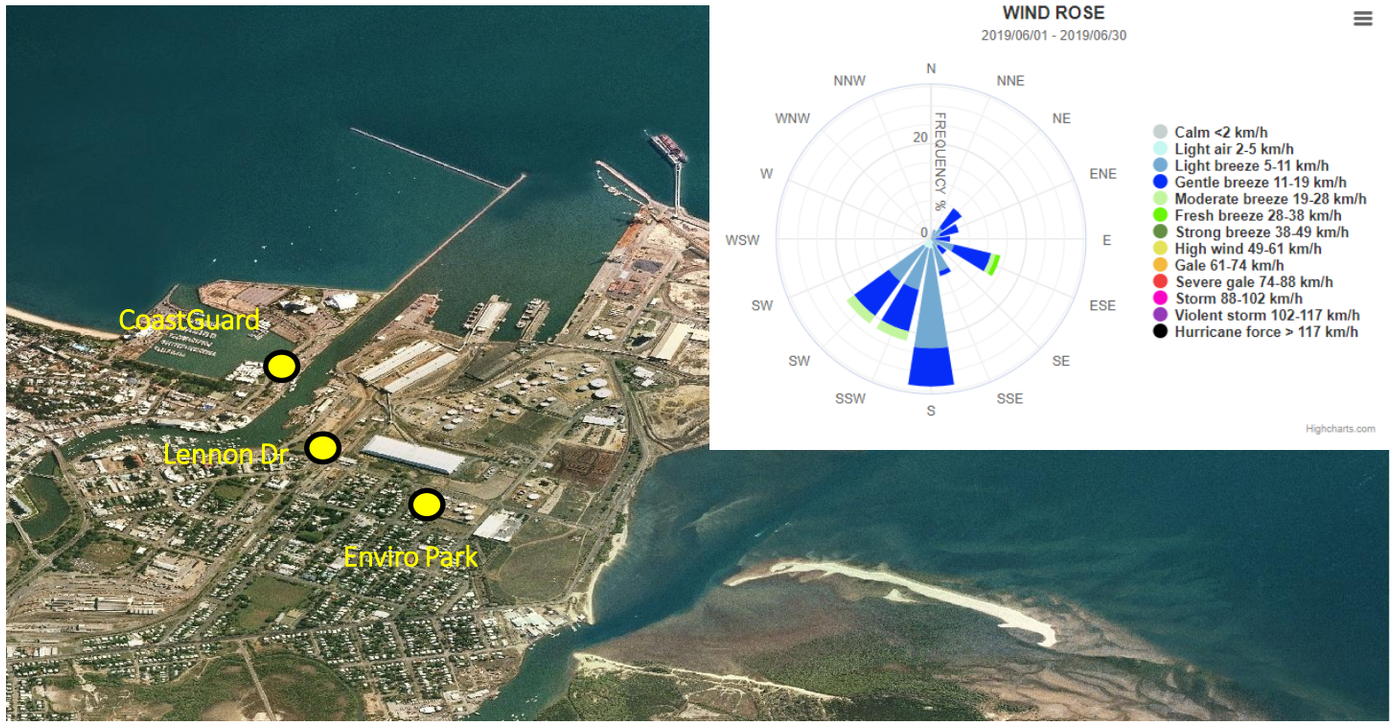
AIR QUALITY MONITORING IN TOWNSVILLE

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

Click here to return to Main Page

Shipping Movements in June 2019

Date In/Out	Vessel Name	Berths	Cargo
01-13	HMAS CANBERRA	10	Army Equipment
02-03	MONACO	3 STH	Containers
03-04	OCEAN SWAGMAN	4	Fodder, cattle
03-05	KOTA NEBULA	3 STH	Containers
04-04	TALIA	9	Motor Vehicles
04-07	ANETOS	L1	Sugar
06-07	GALLOWAY EXPRESS	4	Fodder, cattle
06-06	WALRUS ACE	3 STH	Motor Vehicles
06-07	SUPREME STAR	9	Suger
06-07	ODELMAR	8	Urea
07-08	YANGTZE FORTUNE	4	Fodder, cattle
07-08	GOLDEN CREATION	1	Fuels
08-09	TBC PRESTIGE	8	Lead concentrates
09-10	BW NILE	1	Fuels
09-13	BASIC RAINBOW	3 NTH	Lead concentrates
09-13	GLORY SKY	4	Cement
10-11	CORONADO BAY	3 STH	Containers
10-13	AFRICAN ROOK	9	Sulphur
10-14	USNS RICHARD E BYRD	A	Army Equipment
10-15	SANTA ALEXANDRA	3 NTH	Lead Ingots
12-13	BW BOBCAT	1	Fuels
13-15	AKUNA	4	Cement
13-14	GREYMAN EXPRESS	10	Fodder, cattle
13-15	AFRICAN ROOK	8	Fertilizer
14-14	GLOVIS CARDINAL	9	Motor Vehicles
15-16	WESTERN MAPLE	10	Fertilizer
15-16	KOTA NAGA	4	Containers
15-16	DA HONG XIA	3 STH	General/Break Bulk
15-16	LAKE HAKONE	9	Sugar
15-17	BROADGATE_1	8	Mineral Concentrates
16-17	GRAND ACE 11	1	Fuels
16-16	HERCULES LEADER	10	Motor Vehicles
16-17	MS EAGLE	3 STH	Containers
17-24	SHI LONG LING	10	Zinc Ferrites
17-19	KYOWA ORCHID	3 NTH	General/Break Bulk
18-20	GOLDEN CREATION	1	Sulphuric Acid
18-21	IVS MERLION	11	Metal Concentrates
19-19	DALIAN HIGHWAY	4	Motor Vehicles
19-23	USNS RICHARD E BYRD	A	Army Equipment
19-22	AAL NEWCASTLE	4	Steel Pipes
20-22	NEW LEADER	8	Fertilizer
22-23	ASPHALT CARRIER	4	Bitumen
22-23	THETIS	9	Sugar
23-24	GSL KETA	3 STH	Containers
24-24	GOLDEN LEADER	1	Fuels
24-25	JAWAN	4	Fodder, cattle
24-24	SOFRANA TOURVILLE	3 STH	Containers
24-26	TBC PRESTIGE	3 NTH	Zinc Concentrates
24-25	POOLGRACHT_1	10	Machinery
25-25	ALPINE MATHILDE	1	Fuels
25-28	DANZIGERGRACHT	4	Metal Concentrates
26-27	OCEAN UTE	10	Fodder, cattle
27-28	ORIENT INNOVATION	1	Fuels
28-30	USNS RICHARD E BYRD	A	Army Equipment
28-29	GANADO EXPRESS	10	Fodder, cattle
28-30	WYUNA	4	Cement
28-01	POOLGRACHT_1	3 NTH	Zinc Concentrates
29-30	BARDU	3 STH	Containers
29-30	GLORIOUS STARLIGHT	9	Sugar
30-30	SHORTHORN EXPRESS	10	Fodder, cattle

Click here to return to Main Page

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.

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.

Click here to return to Main Page

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.

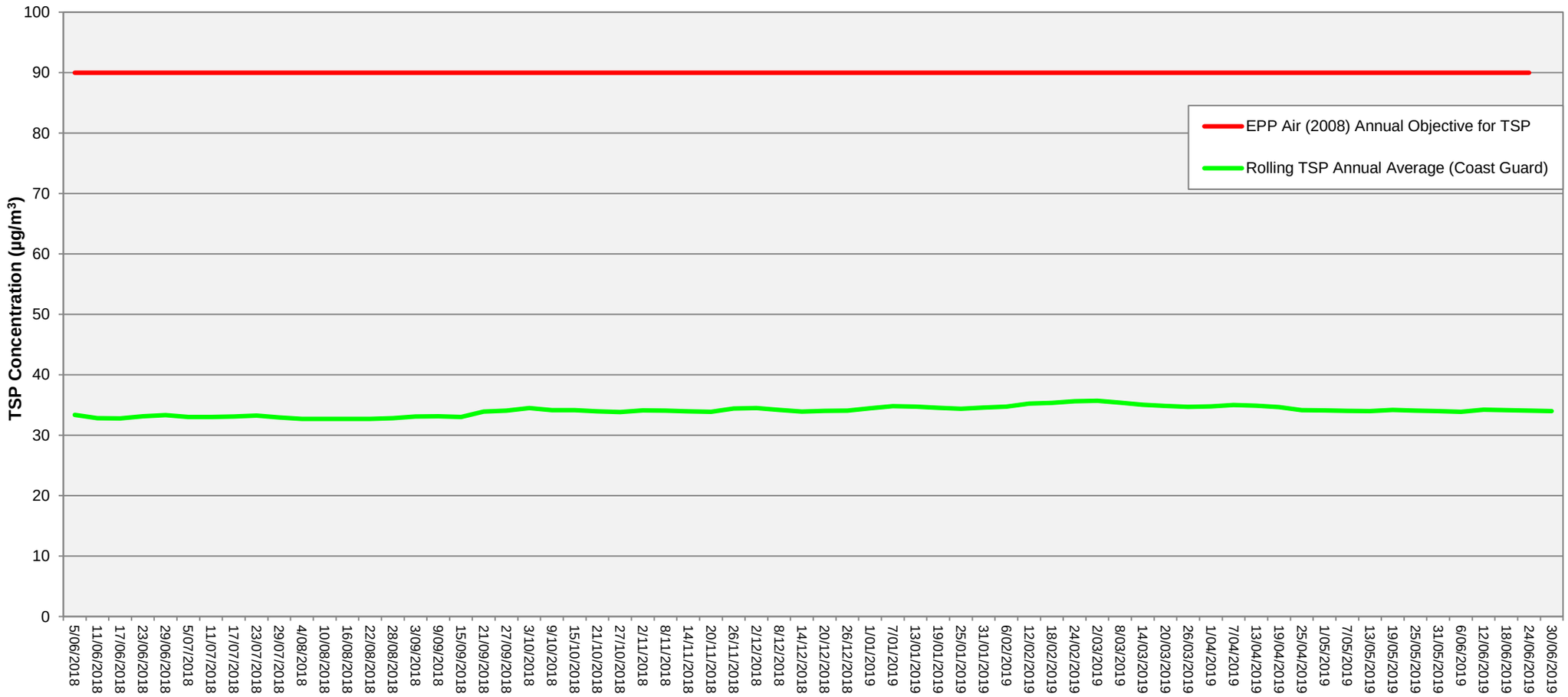
OR

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

Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site
JUNE 2018 – JUNE 2019



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

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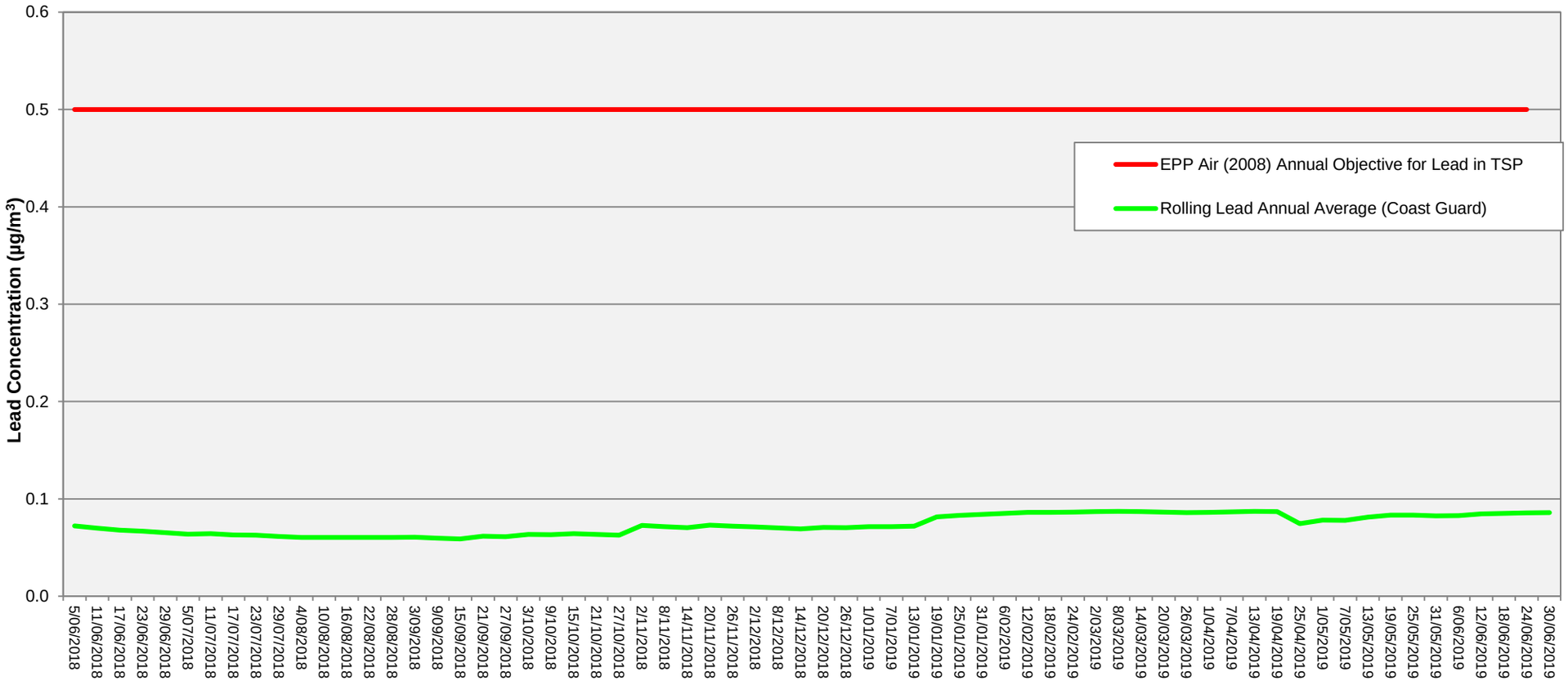

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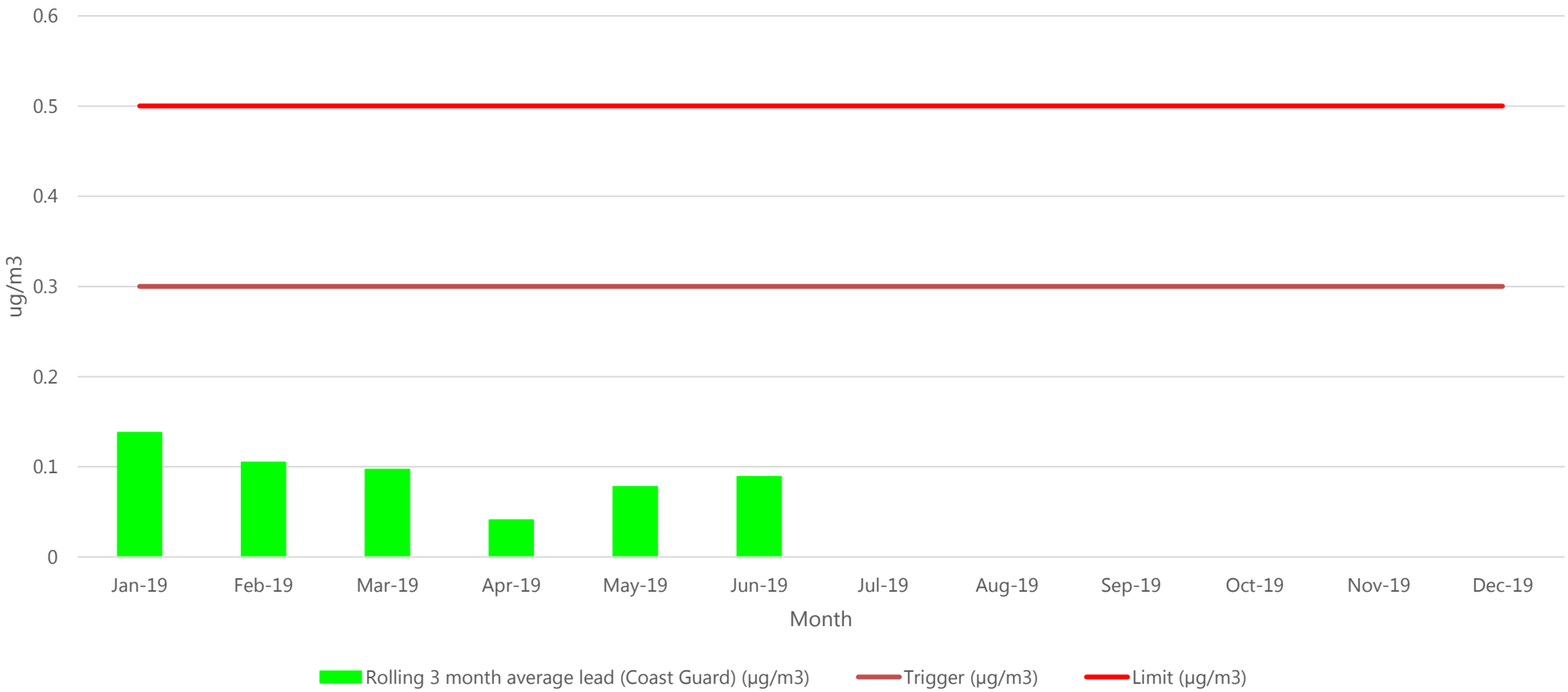
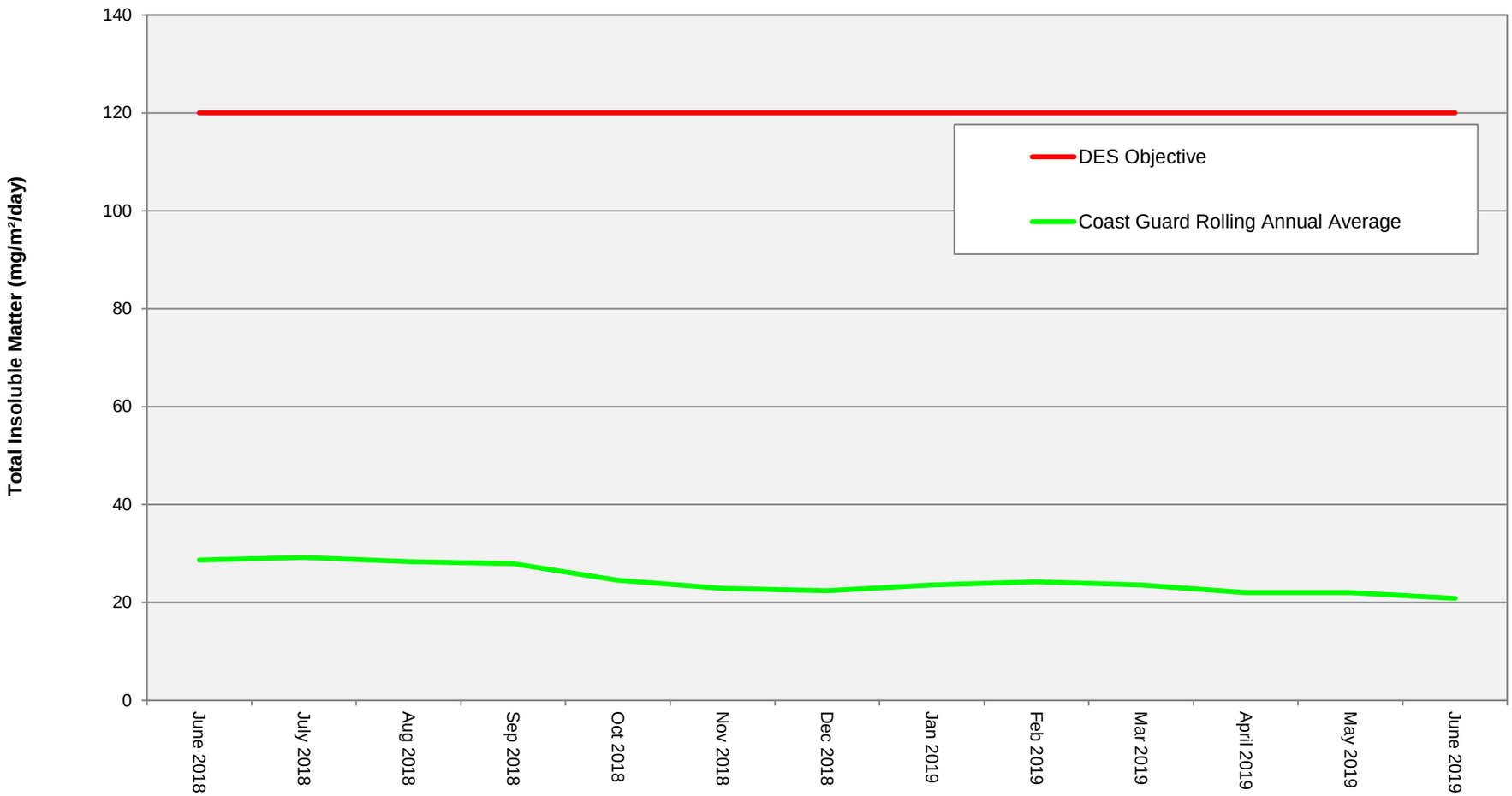


Note: Rolling 3 month average = the moving average of the previous 2 months and the current month result

Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site
JUNE 2018 – JUNE 2019



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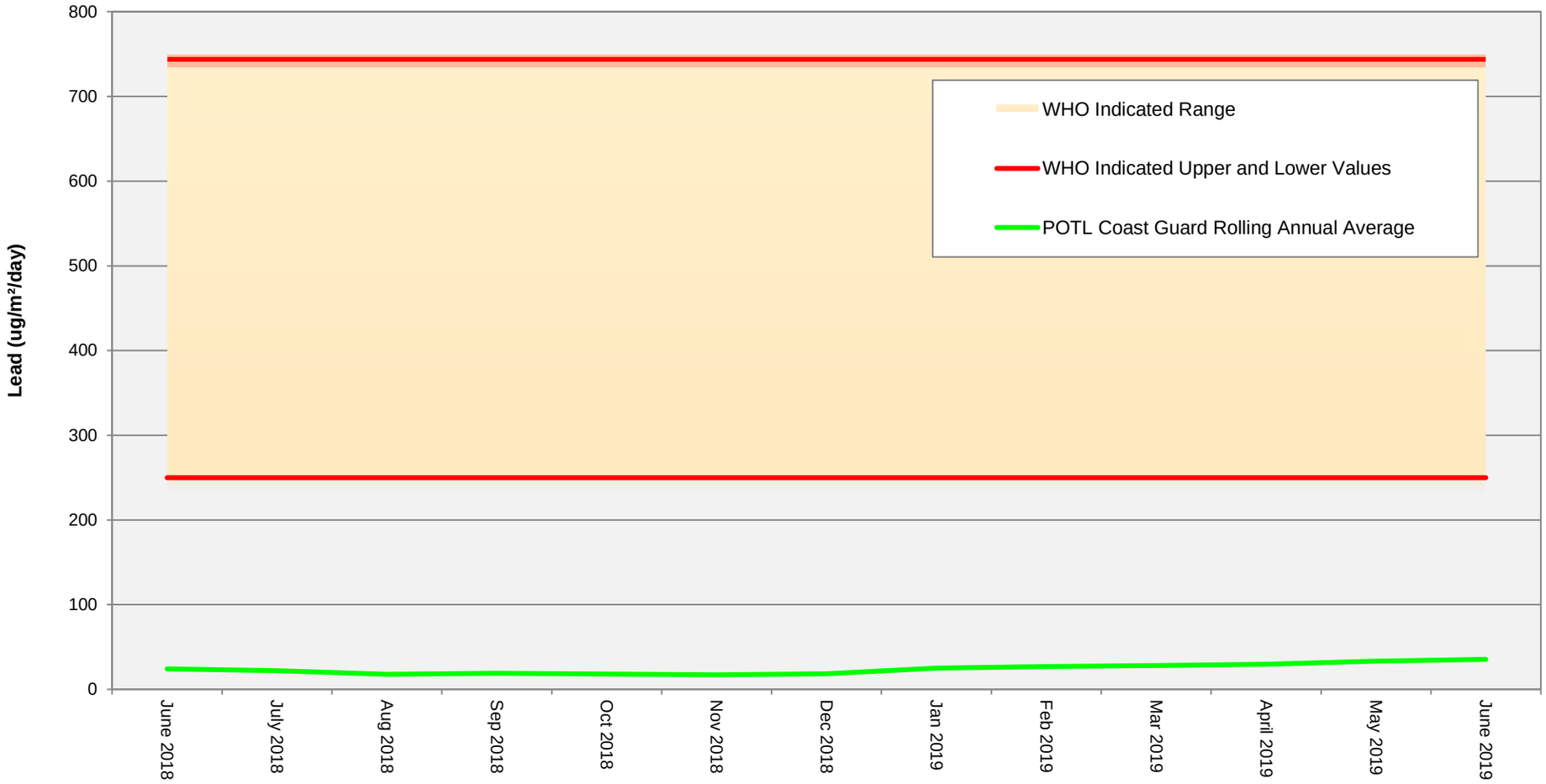

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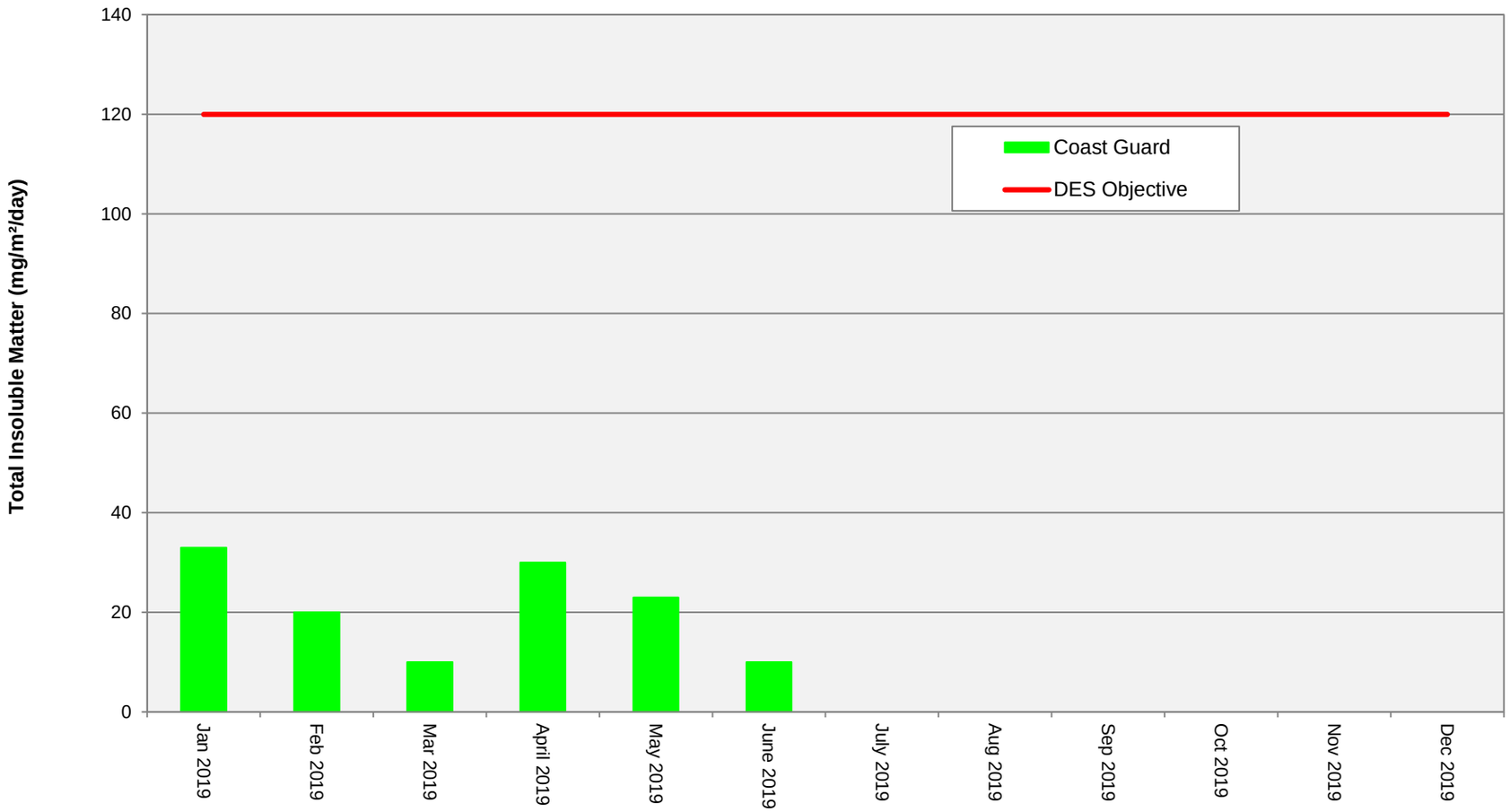

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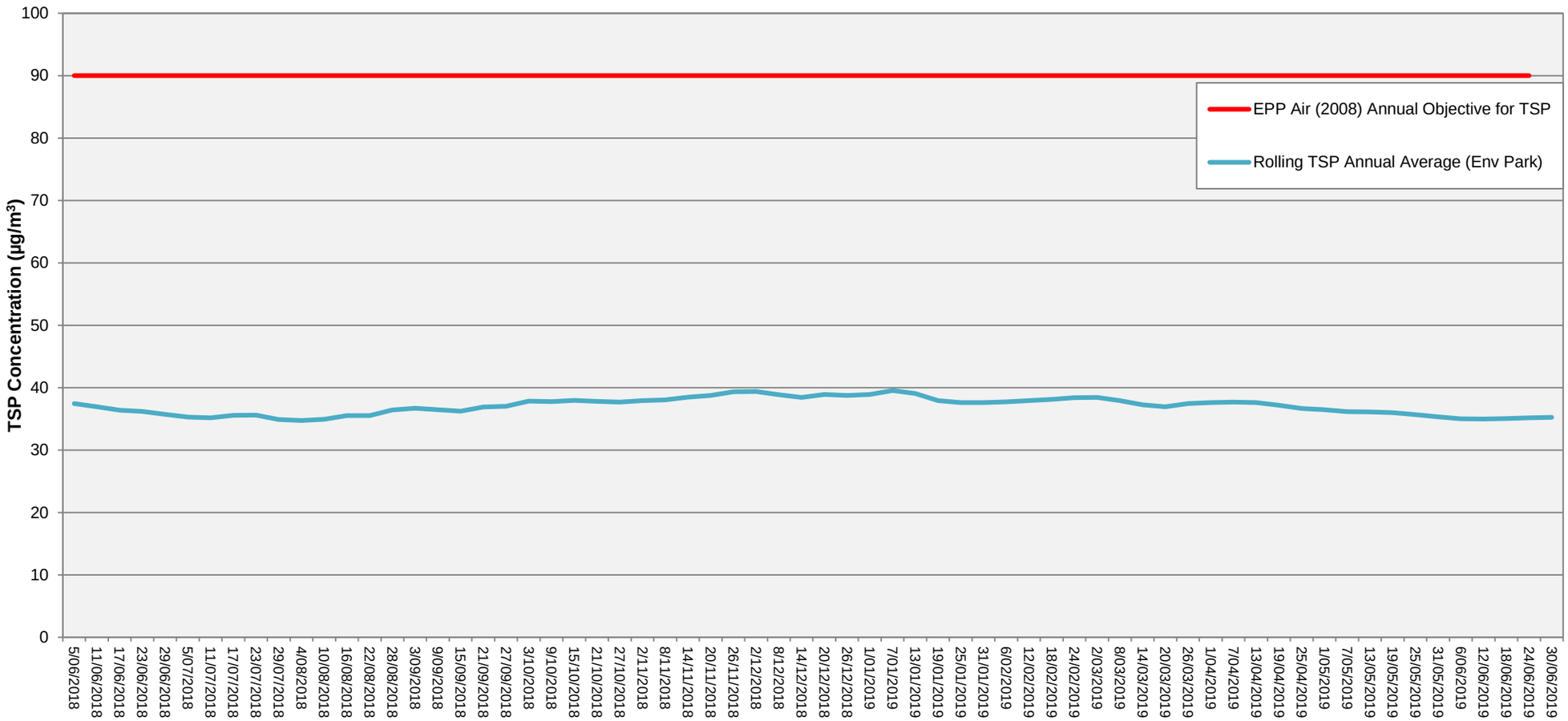

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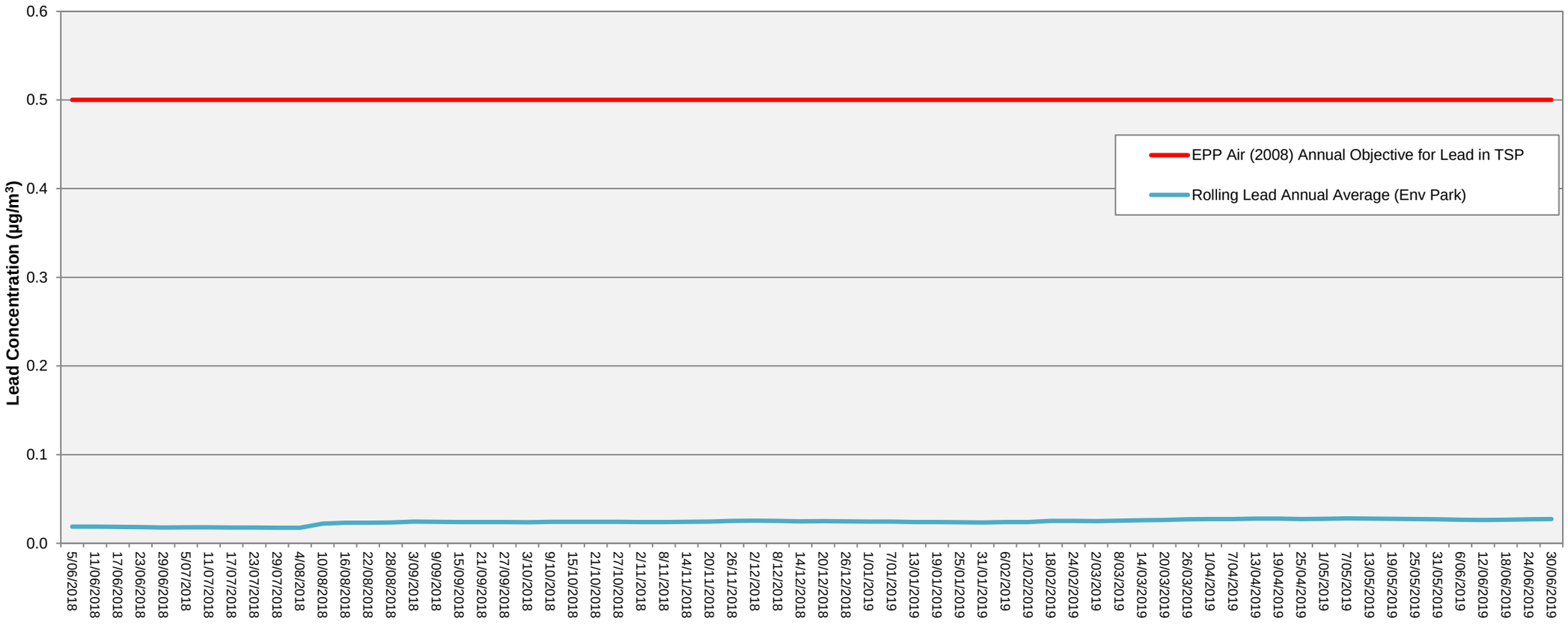

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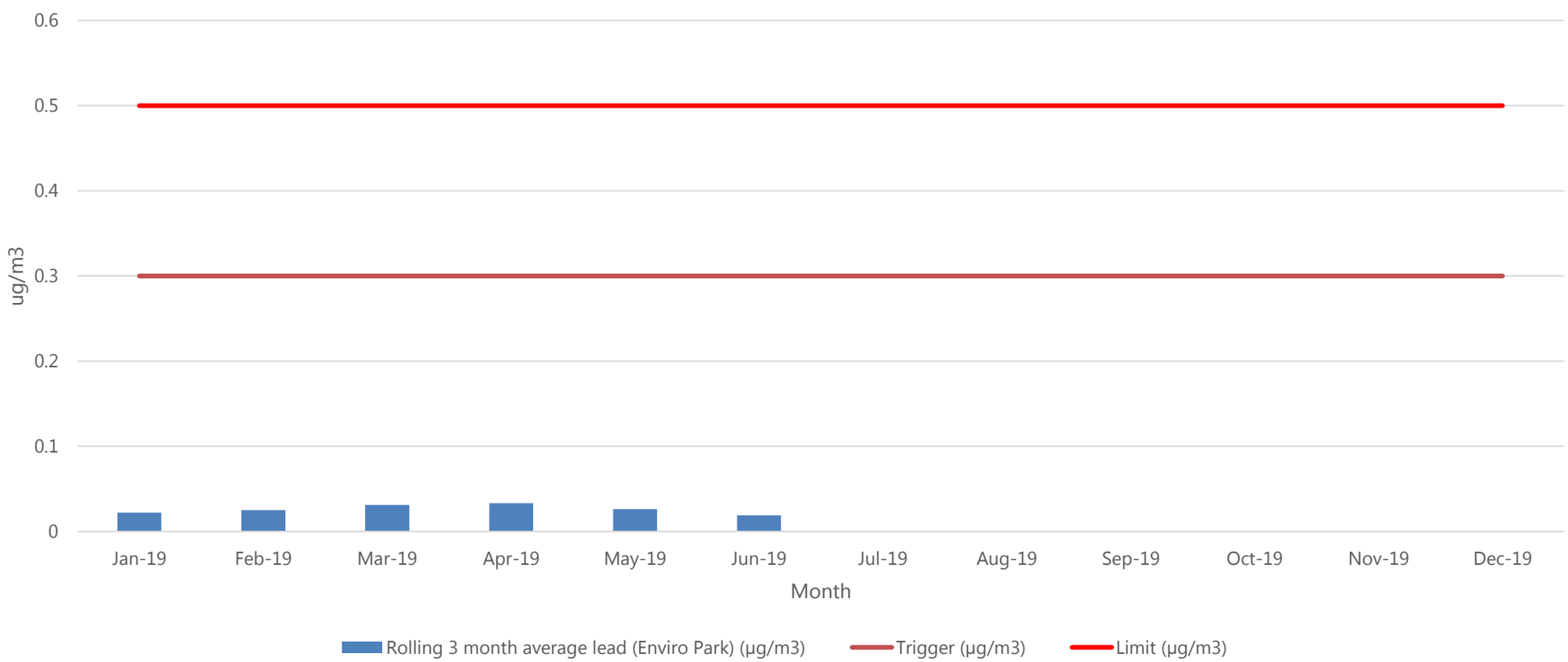

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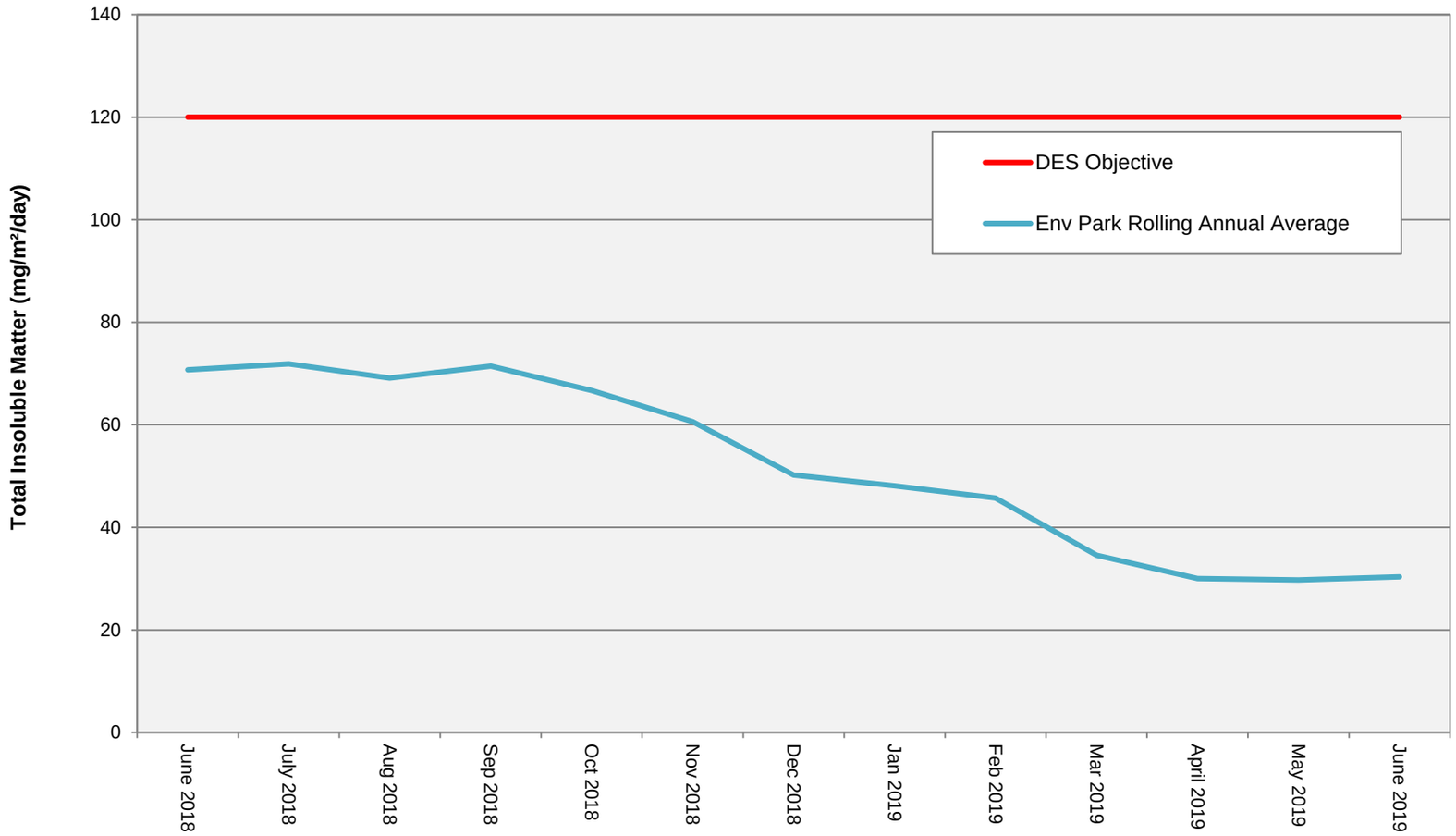

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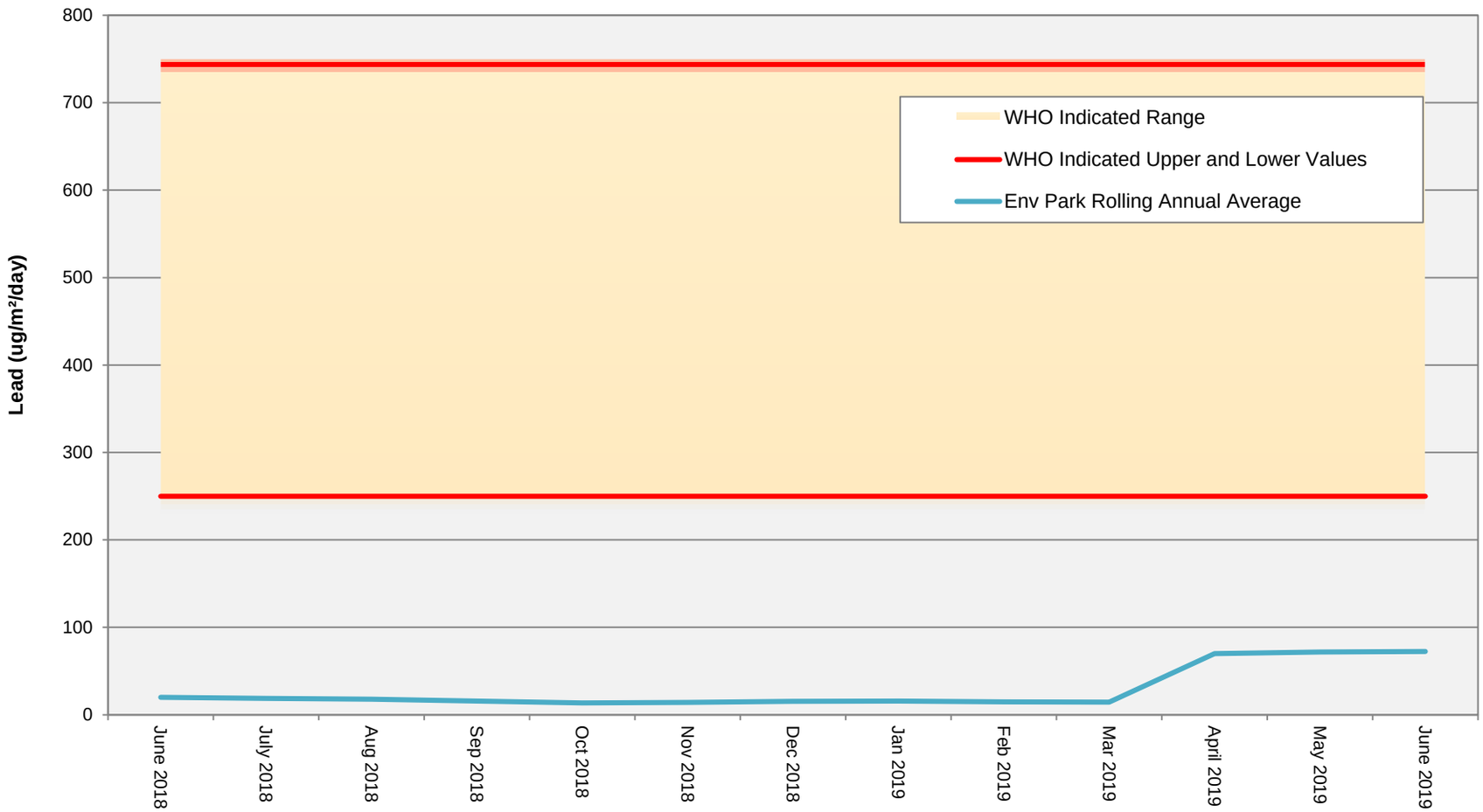

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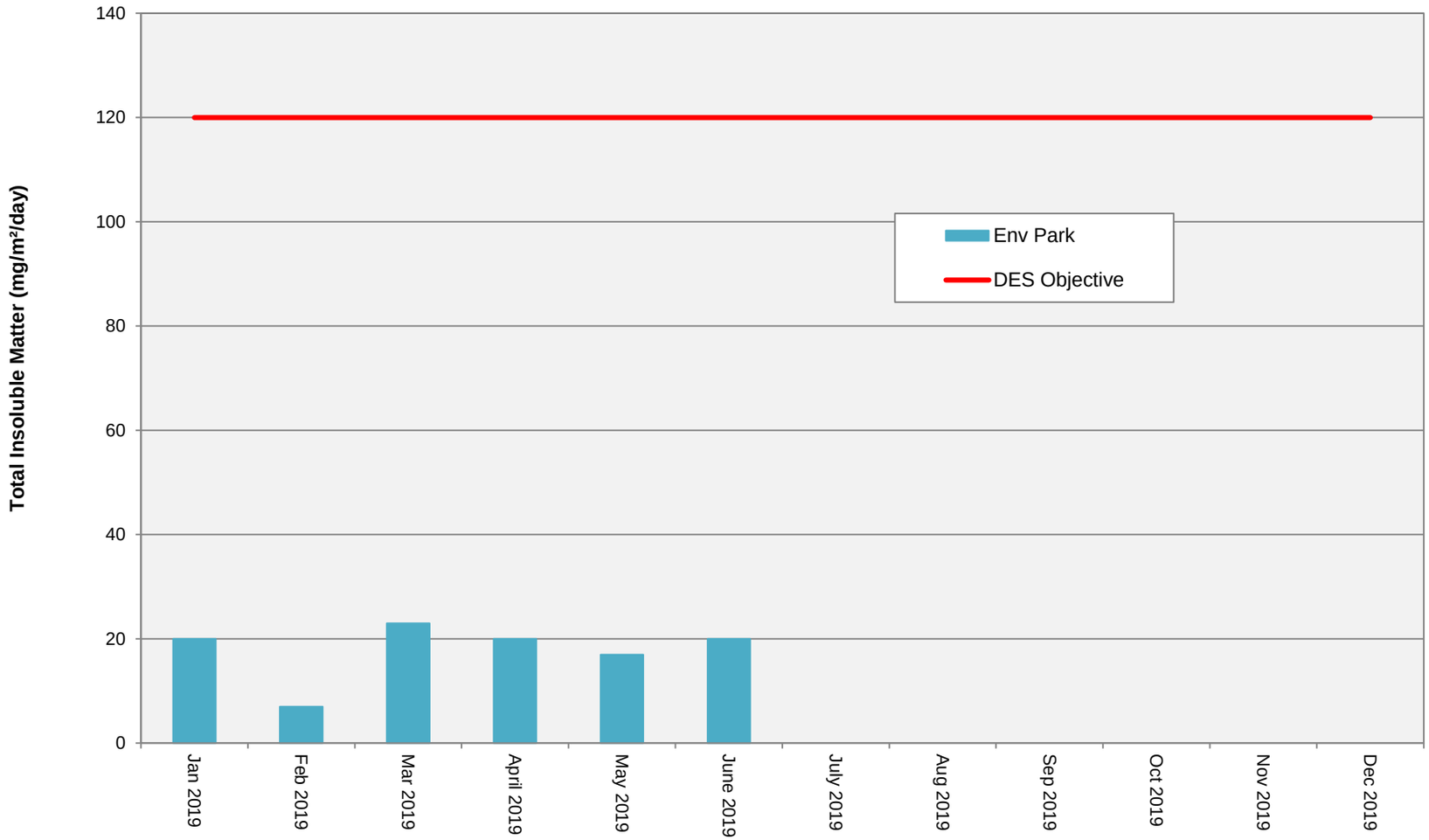

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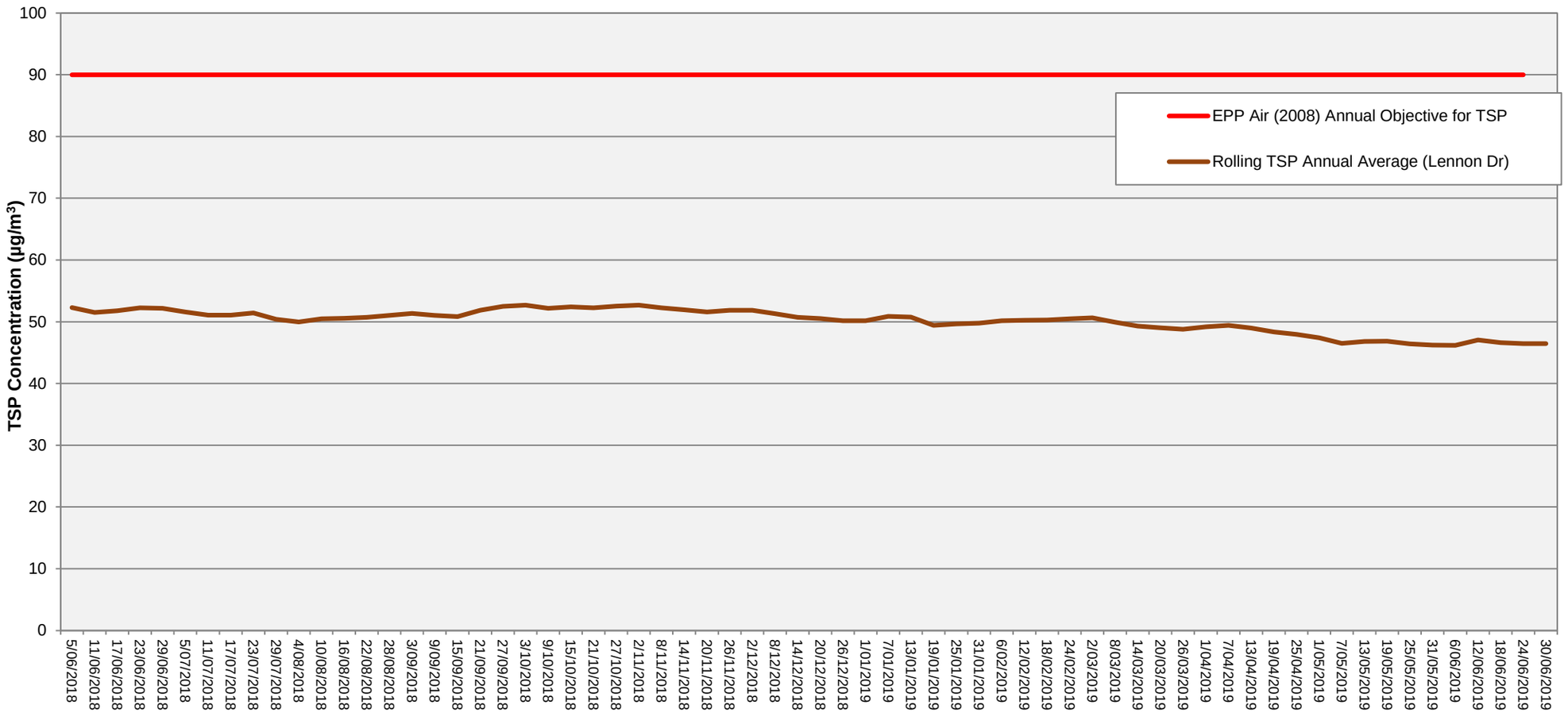

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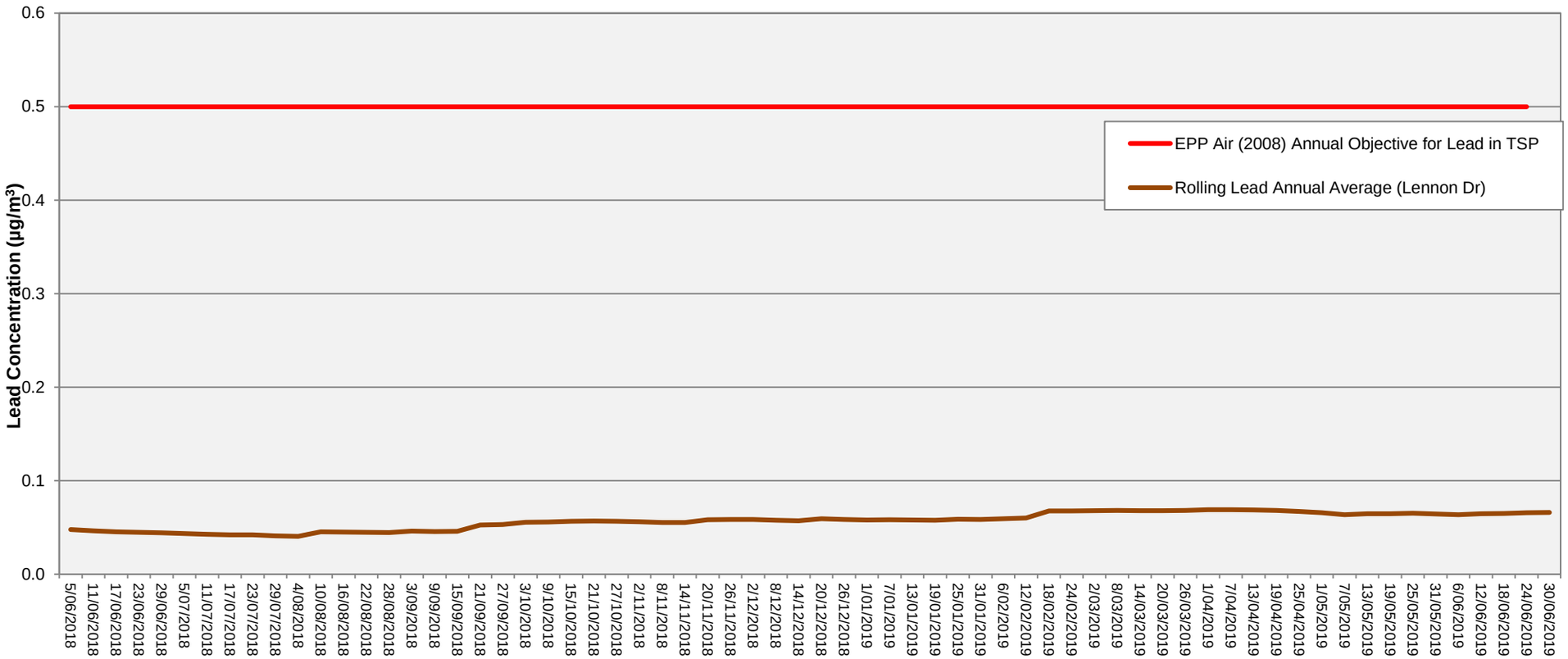

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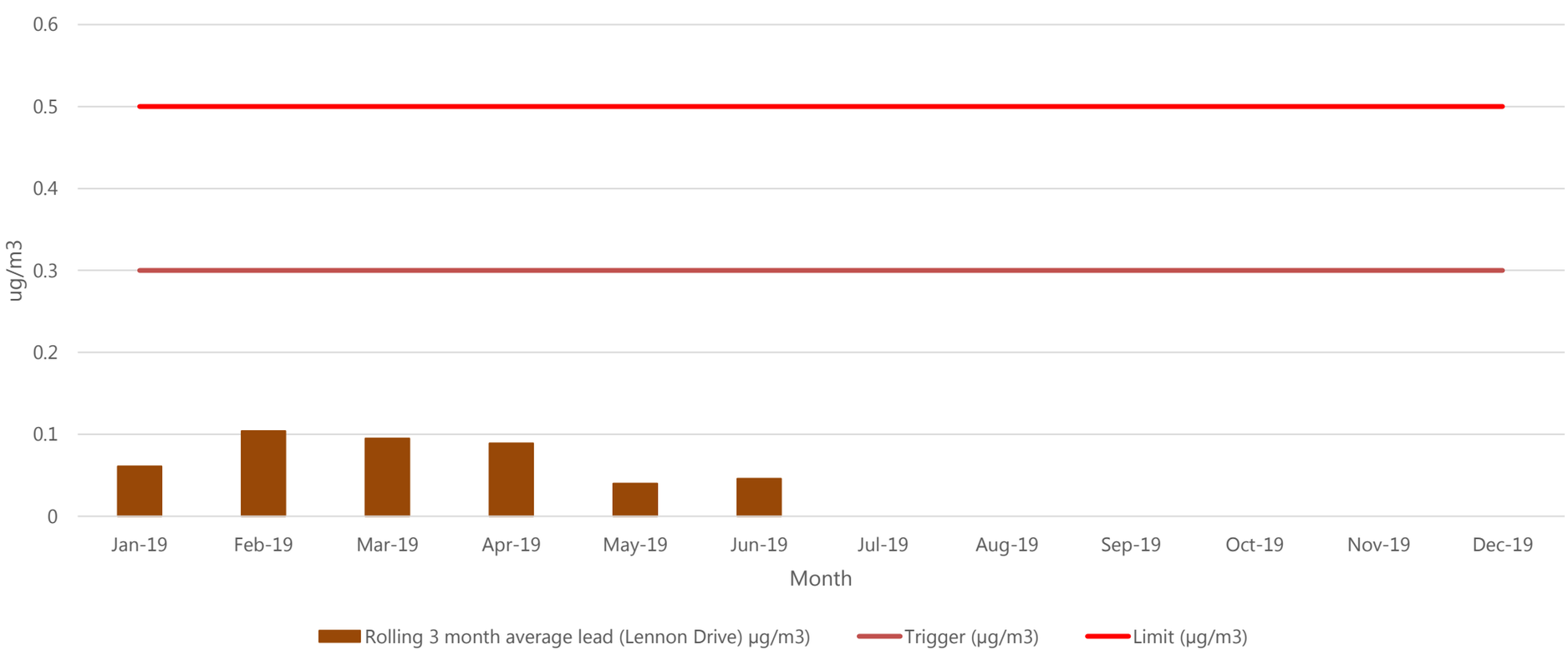

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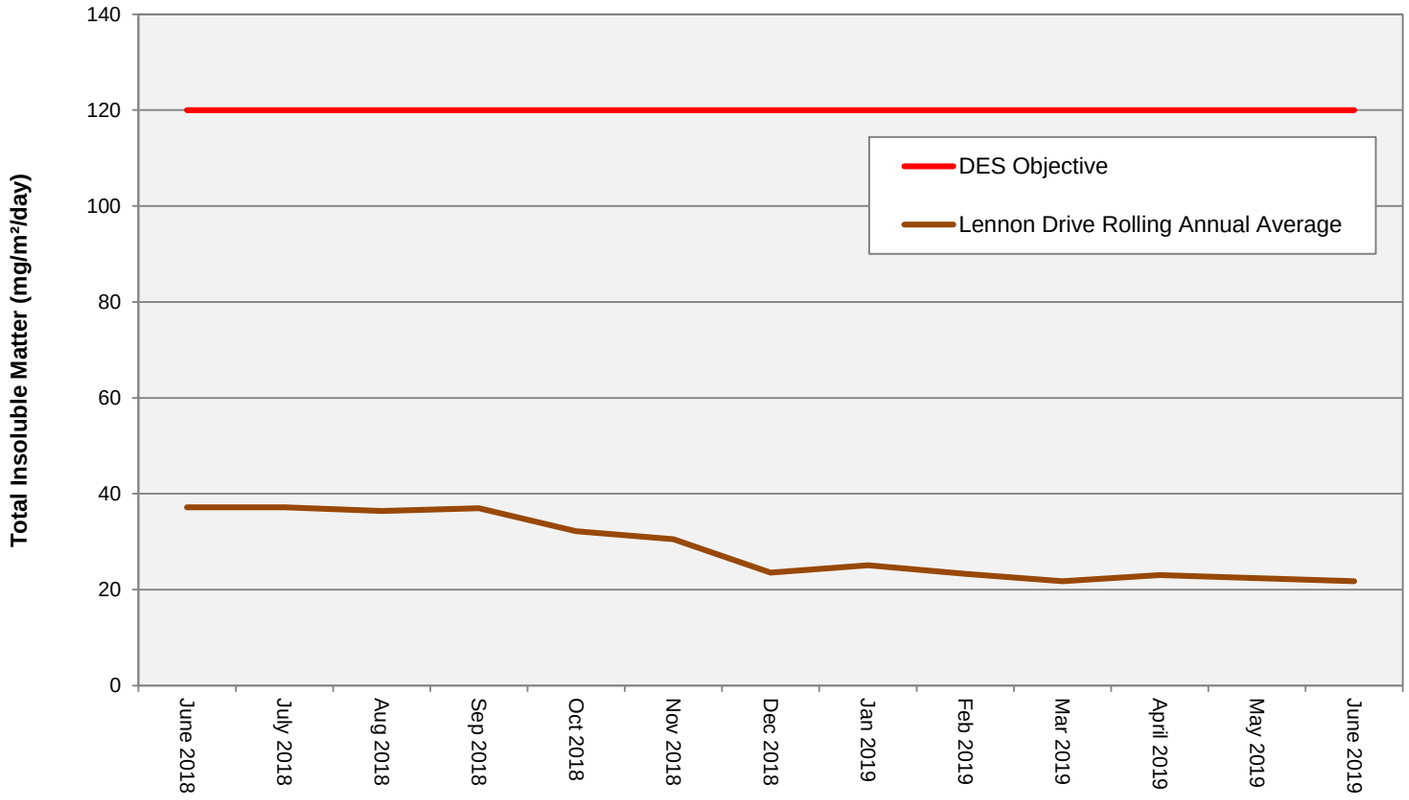

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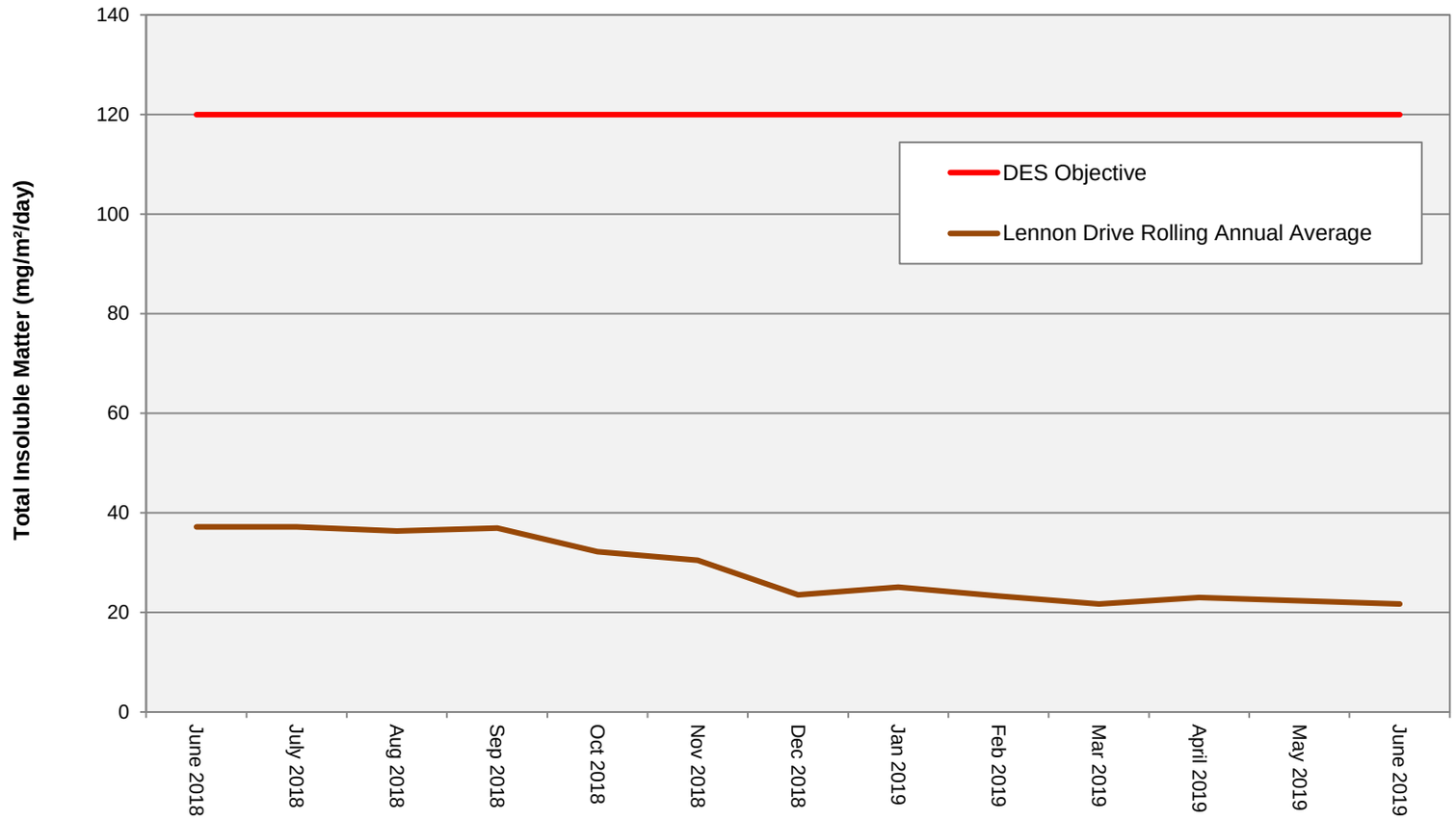

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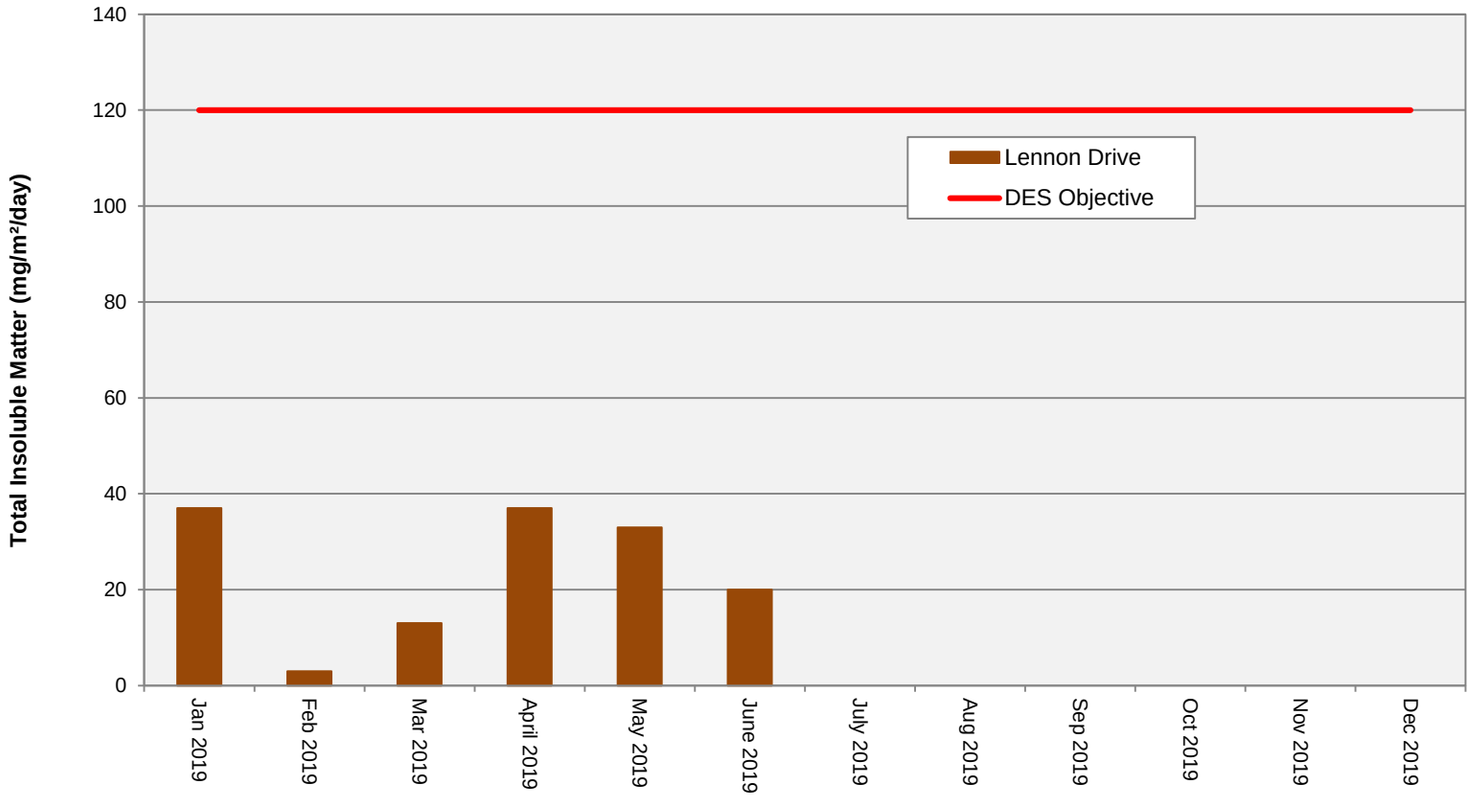

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This statement/advice was provided by Queensland Health in relation to blood lead levels in Townsville in April 2016

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 put. 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.