

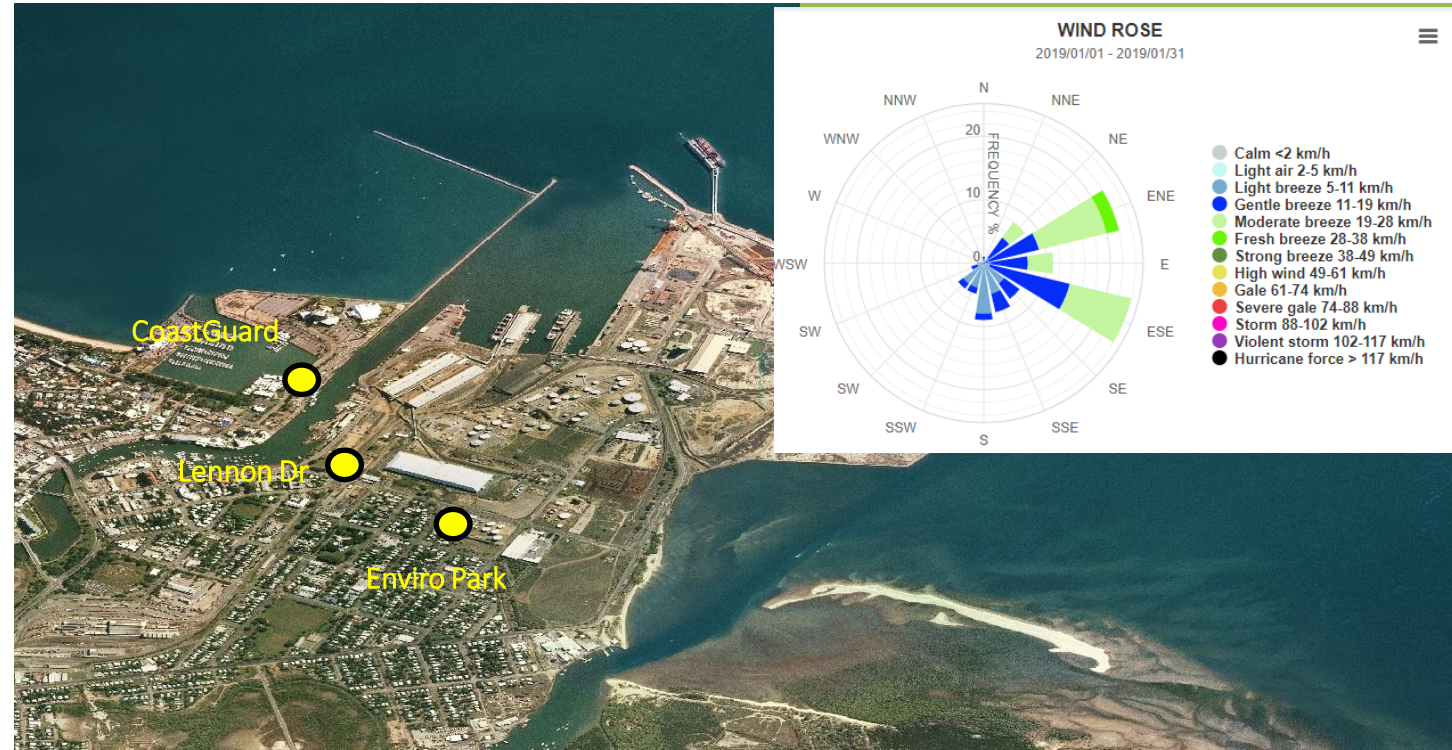
Air Quality Monitoring Locations

## AIR QUALITY MONITORING IN TOWNSVILLE

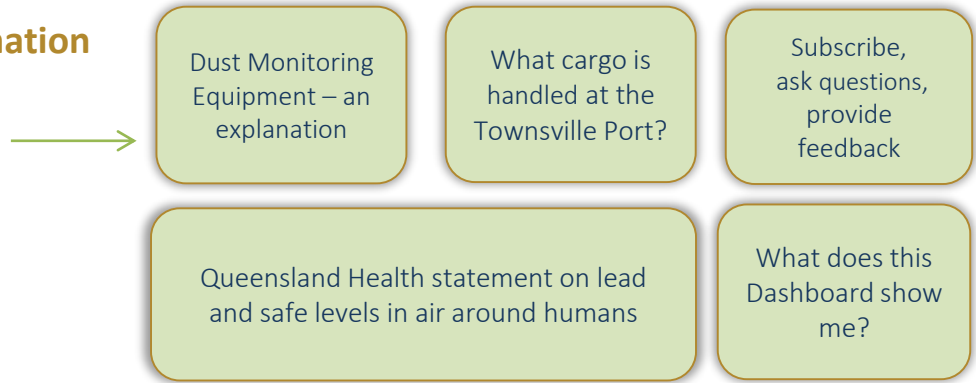
Air Quality Monitoring in Townsville is conducted separately by both the Department of Environment and Science (DES), and Port of Townsville Limited.

Click here to visit the Port of Townsville's monitoring network

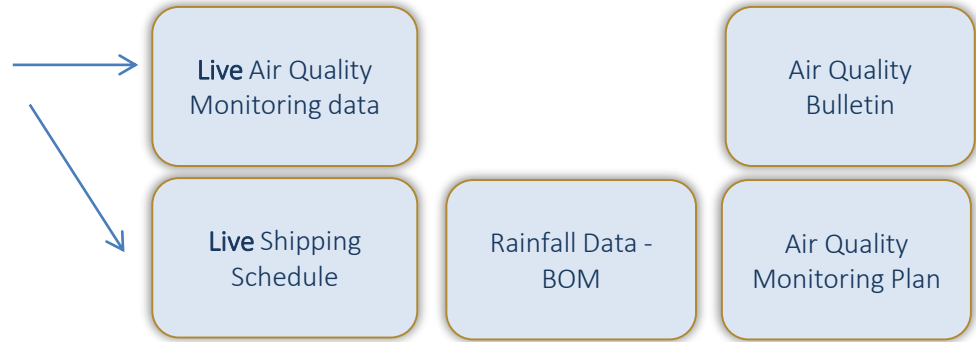
Click here to visit DES monitoring network



**Information**



**Data**



## Shipping Movements in January 2019

Date In/Out	Vessel Name	Berths	Cargo	Date In/Out	Vessel Name	Berths	Cargo
01-01	SILVER MUSE	10	Passenger Vessel	16-17	OCEAN UTE	3	Fodder, cattle
01-02	ALPINE MARIA	1	Fuels	16-17	THERESA MICRONESIA	9	Molasses
01-02	FLORIDA HIGHWAY	4	Motor Vehicles	17-18	UNI WEALTH	11	Lead Concentrates
02-03	ASPHALT SEMINOLE	4	Bitumen	18-19	JANESIA ASPHALT VI	4	Bitumen
03-05	GOLDEN YOSA	1	Sulphuric Acid	19-19	GUARDIAN LEADER	9	Motor Vehicles
03-05	HUPEH	3	Lead Ingots	19-21	BISON EXPRESS	3	Fodder, cattle
04-06	GOLDEN UNITY	4	Molasses	20-21	GALLOWAY EXPRESS	3	Fodder, cattle
04-06	APRILIA	9	Sugar	20-21	ANACAPA LIGHT	9	NIL
07-08	FLORA DELMAS	3	Containers	21-21	HIGHLAND CHIEF	4	Containers
07-07	GALAXY LEADER	10	Motor Vehicles	21-22	GIROLANDO EXPRESS	3	Fodder, cattle
08-11	PAN SPIRIT	8	Urea	21-24	EDGAR OLDENDORFF	3	Zinc Concentrates
09-10	CSC RISINGSUN	1	Fuels	22-22	SVITZER DOOLJA	4	Containers
10-11	CORONADO BAY	3	Containers	23-24	GSL KETA	4	Containers
11-12	GLORY ATLANTIC	4	Cement	24-24	SEVEN SEAS MARINER	10	Passenger Vessel
11-15	POYANG	8	Lead Concentrates	25-27	KOTA NAGA	4	Containers
12-14	NILIKHA	10	Copper Concentrates	25-29	HMAS ADELAIDE	10	Nil Cargo
13-21	ATLANTIC GLORY	3	Zinc Concentrates	26-28	HAWKE BAY	3	Scrap
13-14	CSL RELIANCE	9	Sugar	27-28	GL KAIHOU	3	Fodder, cattle
14-18	HEINO	4	General/Break Bulk	29-29	SELENE LEADER	9	Motor Vehicles
14-16	KOTA NEBULA	3	Containers	29-31	GLORY ATLANTIC	4	Cement
14-15	KYOWA ROSE	3	Tyres, copper refined	31-01	HIGH FIDELITY	1	Fuels
15-18	AFRICAN ROOK	8	Sulphur				

## 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.



## 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

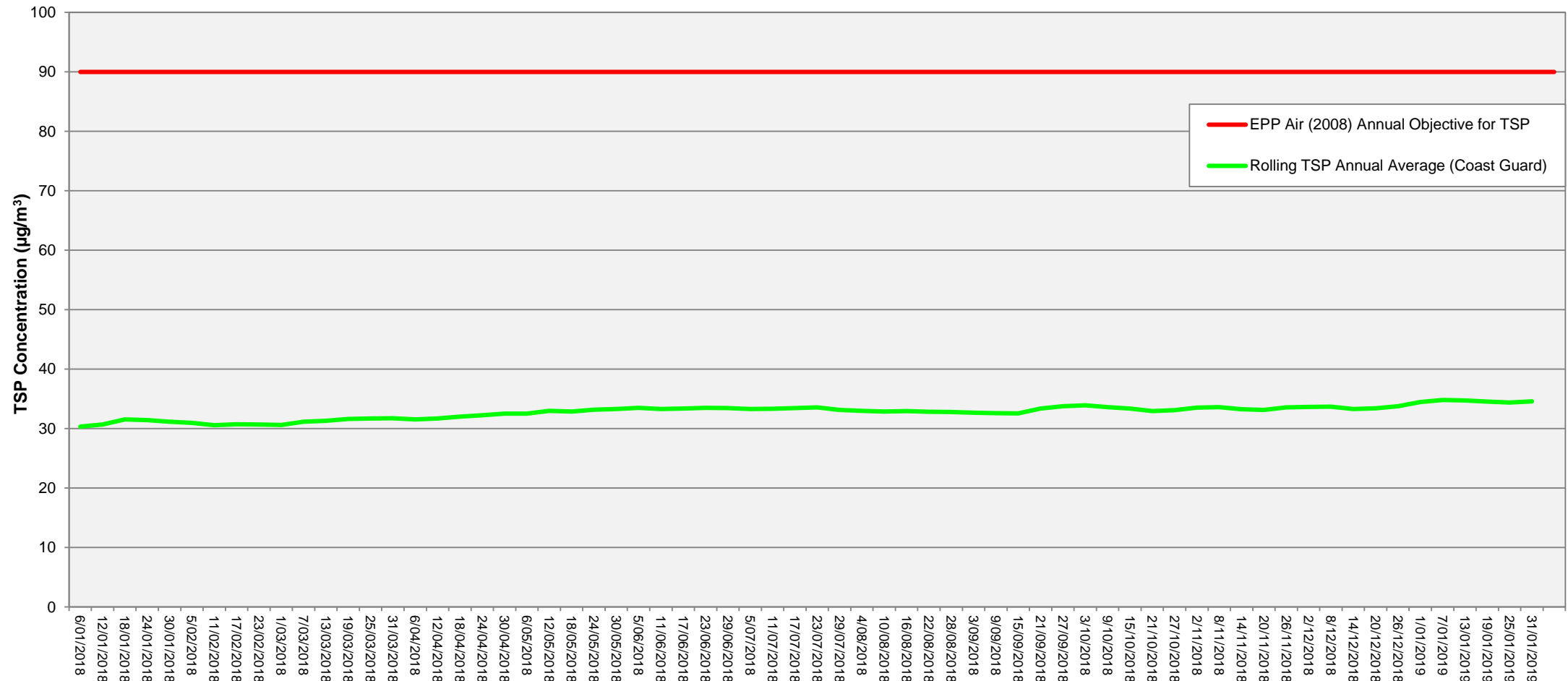
Phone 07 47 811 500 and asked to be added to the list.

## Ask a Question / Provide Feedback

Send your enquiry or feedback to [community@townsvilleport.com.au](mailto:community@townsvilleport.com.au)

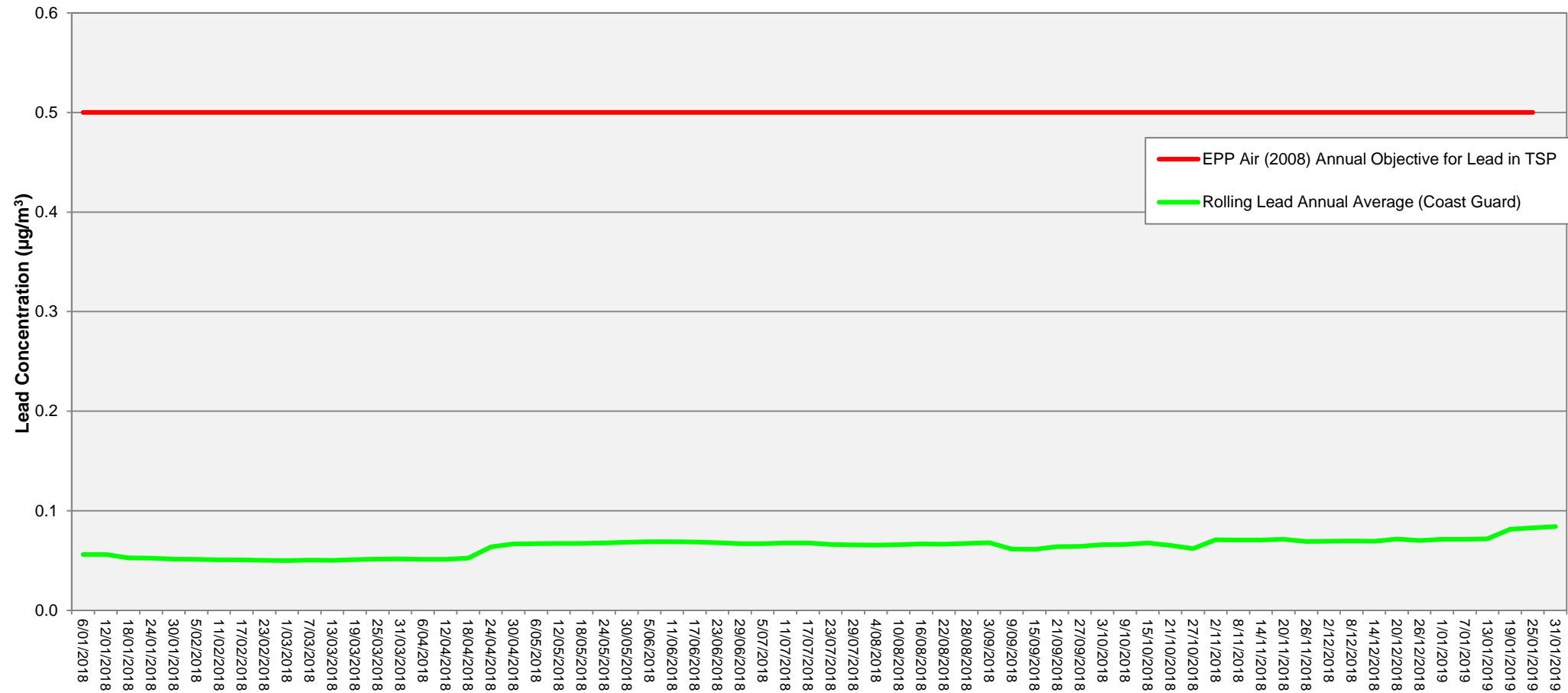


## Hi-Volume Sampler – General total dust levels (one in six days) at Coast Guard Site JANUARY 2018 – JANUARY 2019



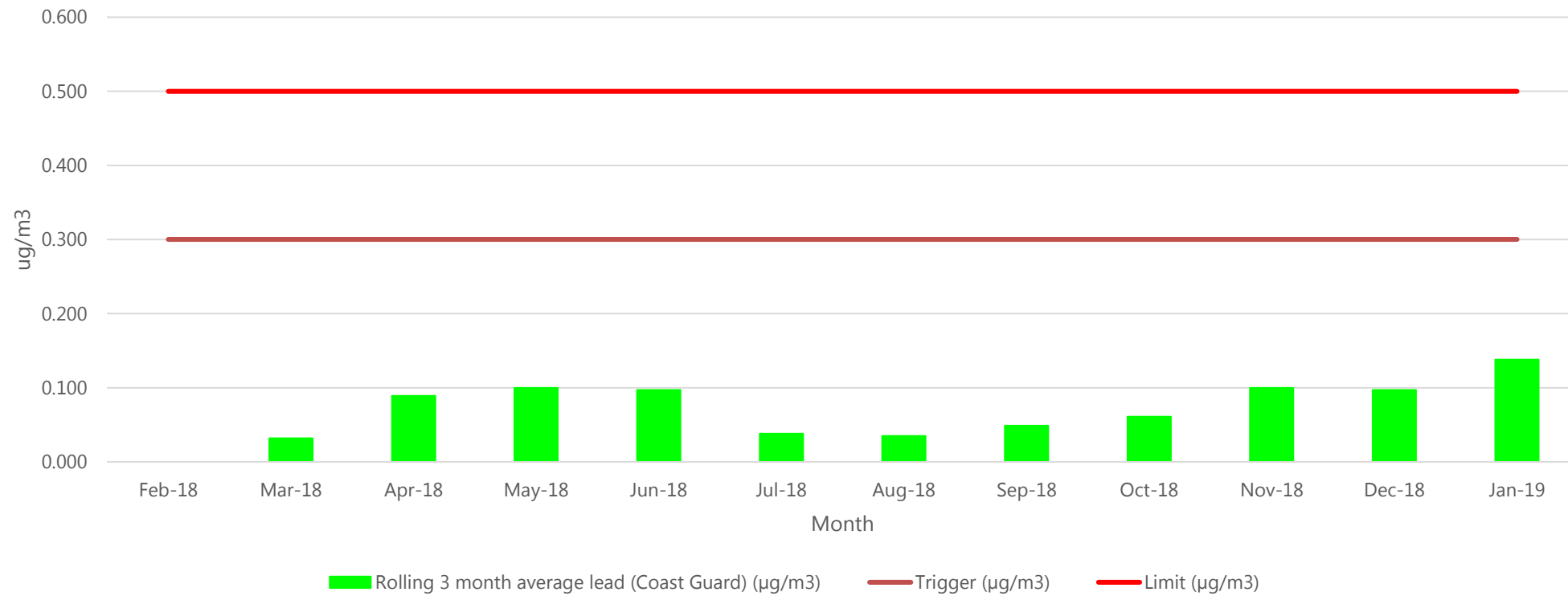
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period  
 Rolling annual average = the moving average of the previous 11 results and the current result

## Hi-Volume Sampler – Lead in dust levels (one in six days) at Coast Guard Site JANUARY 2018 – JANUARY 2019



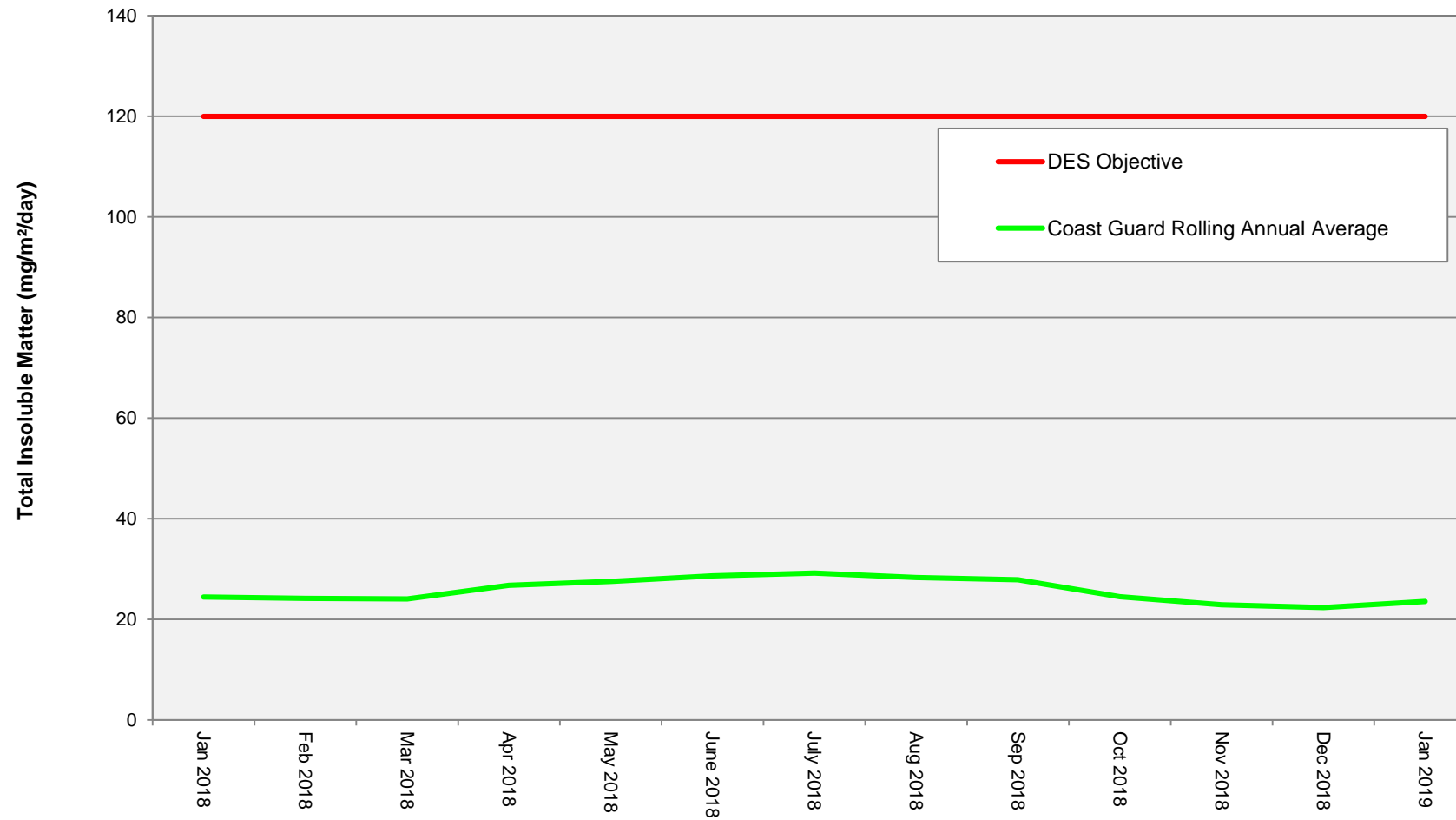
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## Hi-Volume Sampler - Lead in dust levels (one in six days) at Coast Guard Site FEBRUARY 2018 – JANUARY 2019



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

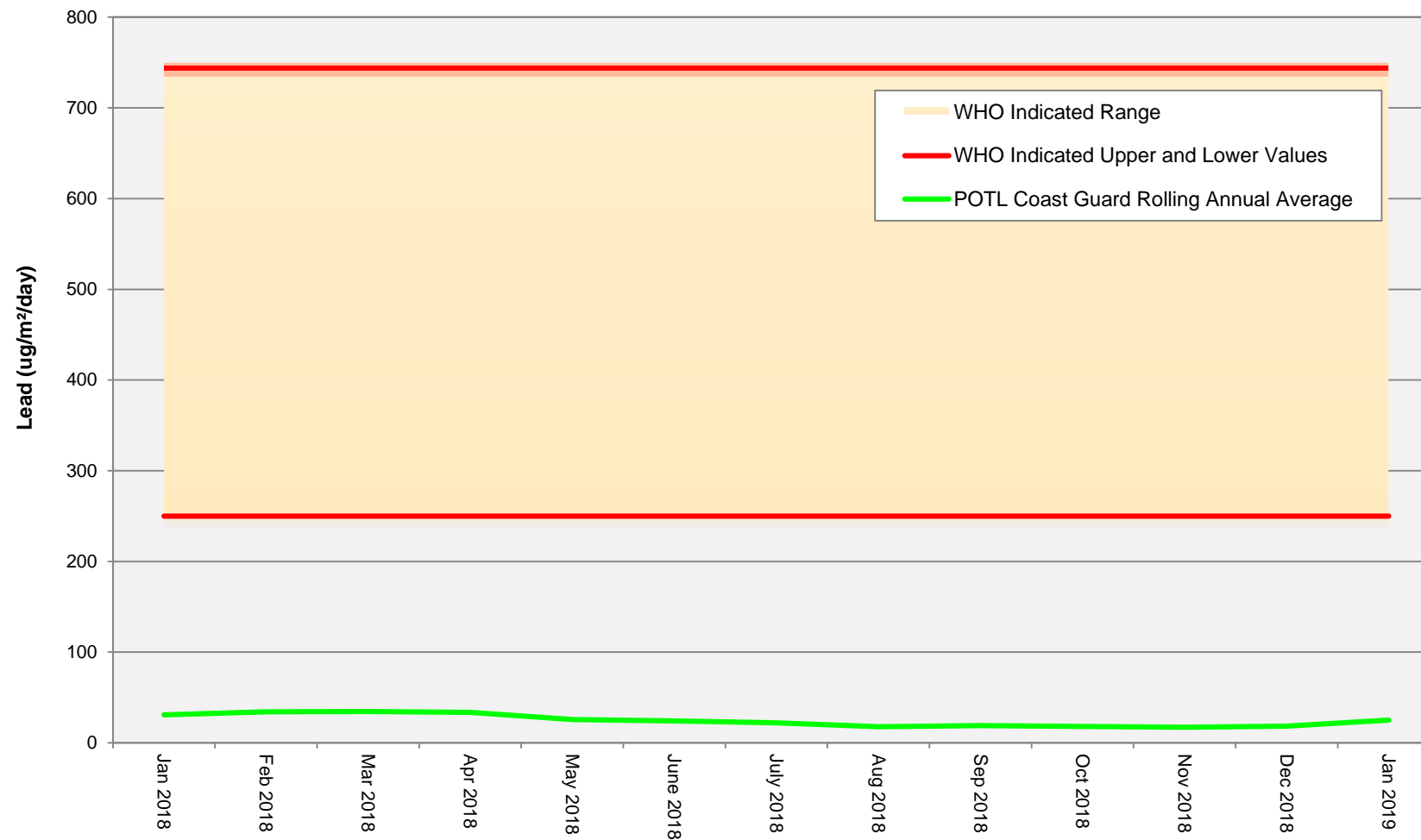
## Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site JANUARY 2018 – JANUARY 2019



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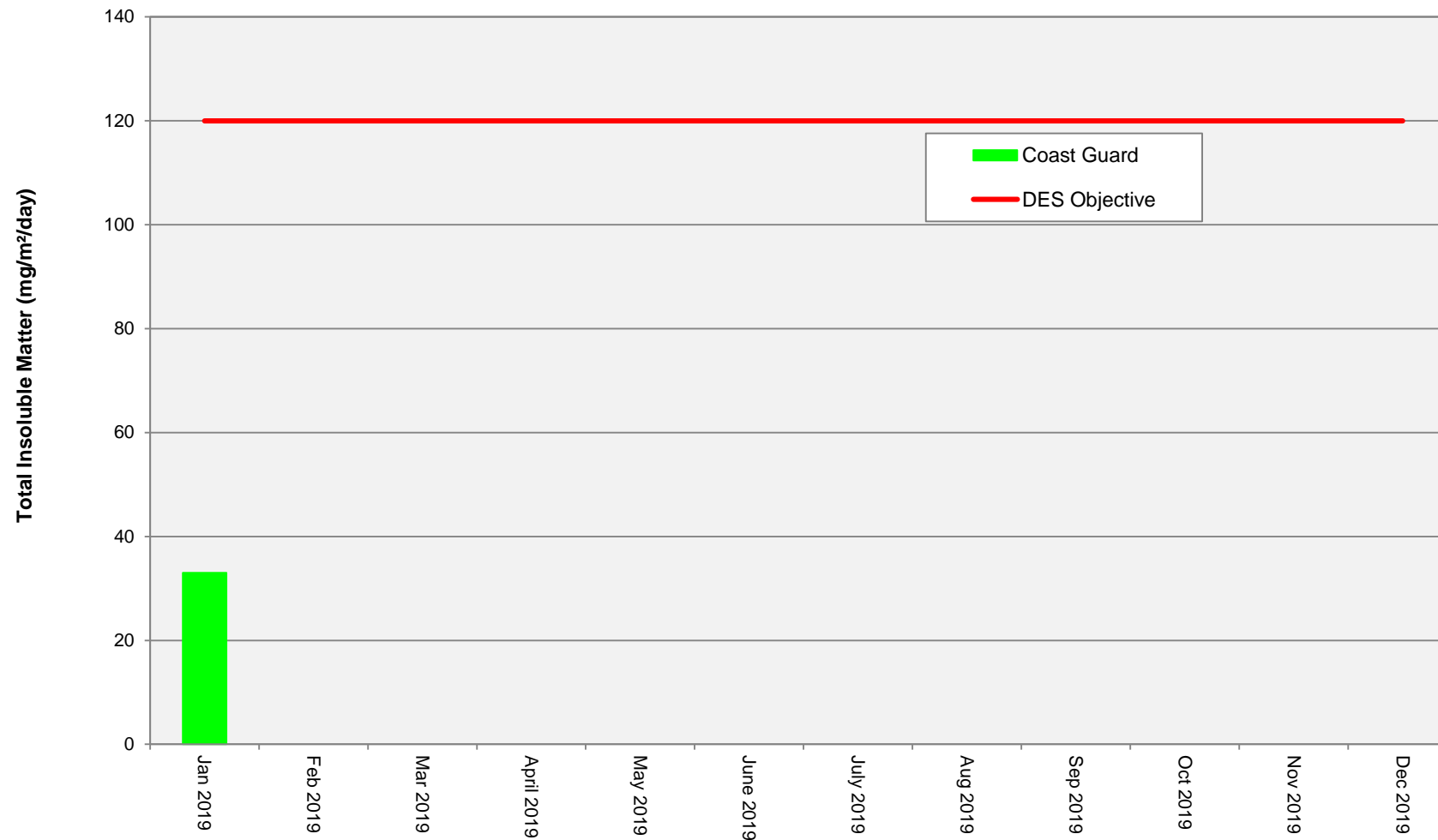


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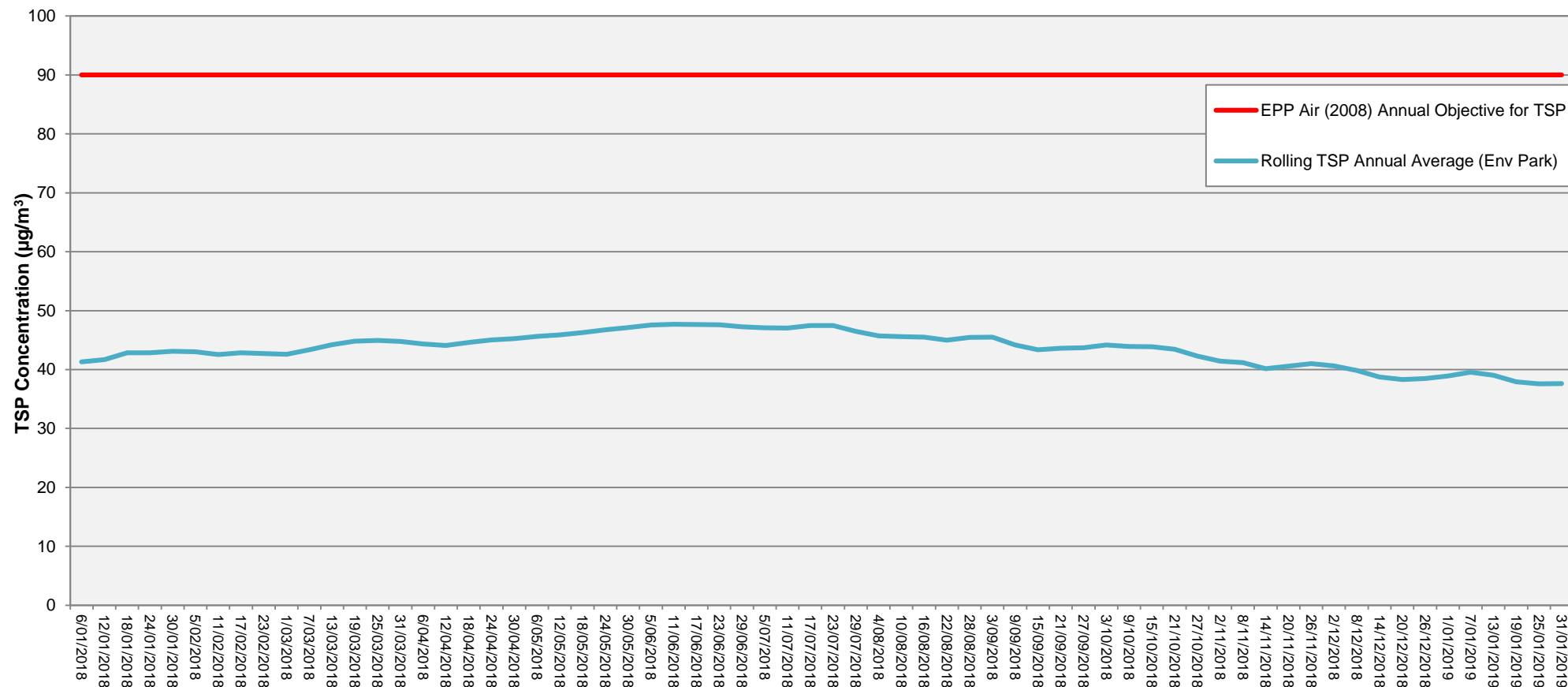
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## Dust Deposition Gauge – General dust deposition levels (monthly) at Coast Guard Site 2019



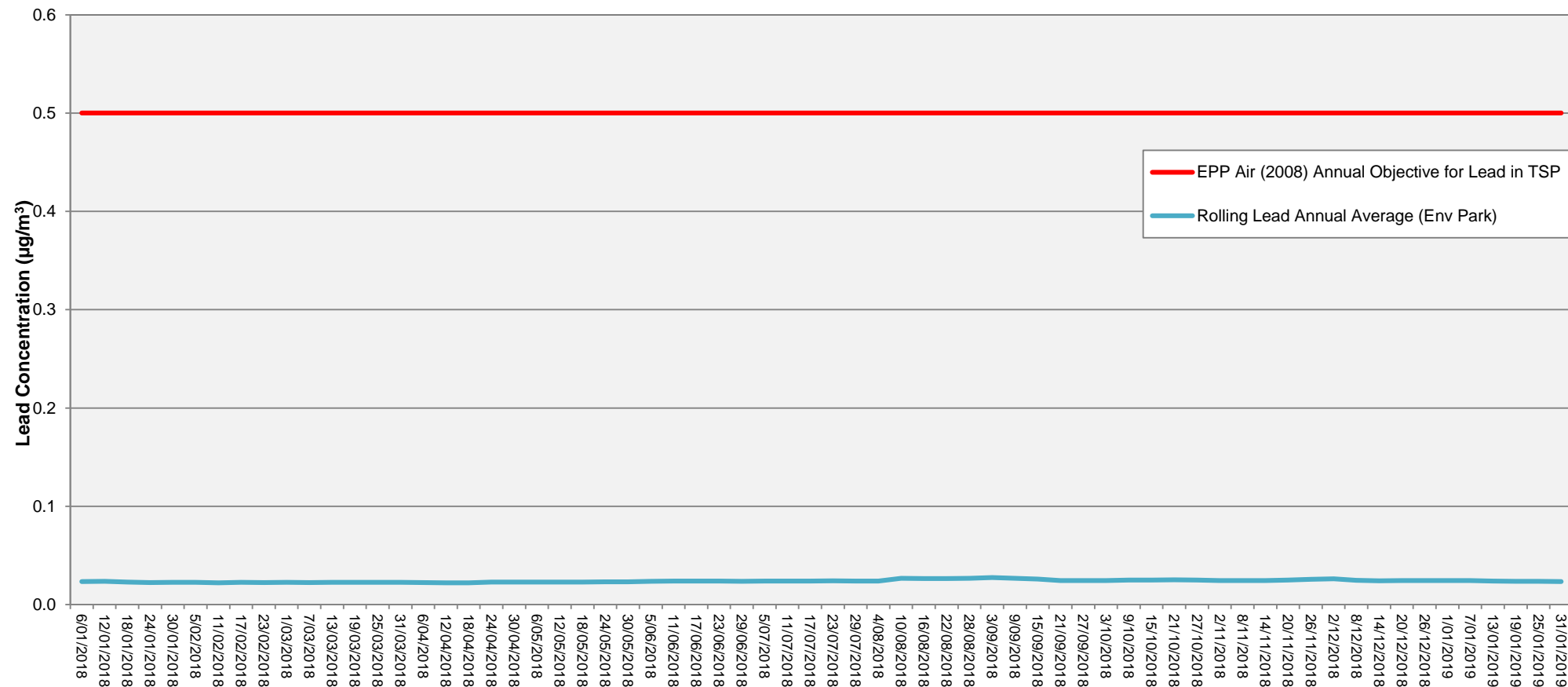
Note: Total Insoluble Matter Concentration units = milligrams per square metre per day  
 ^December 2018 dust bottles removed due to Cyclone Owen. Nil data for display.

## Hi-Volume Sampler - General total dust levels (one in six days) at Environment Park site JANUARY 2018 – JANUARY 2019



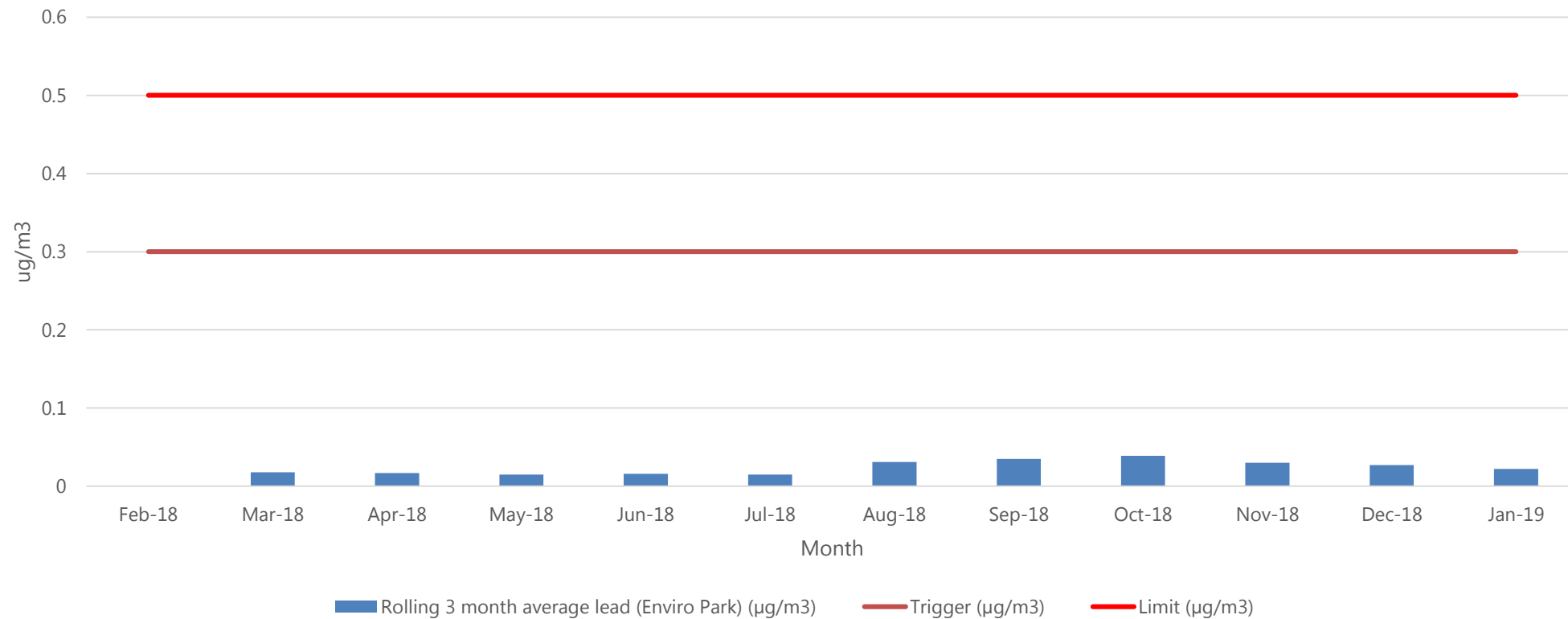
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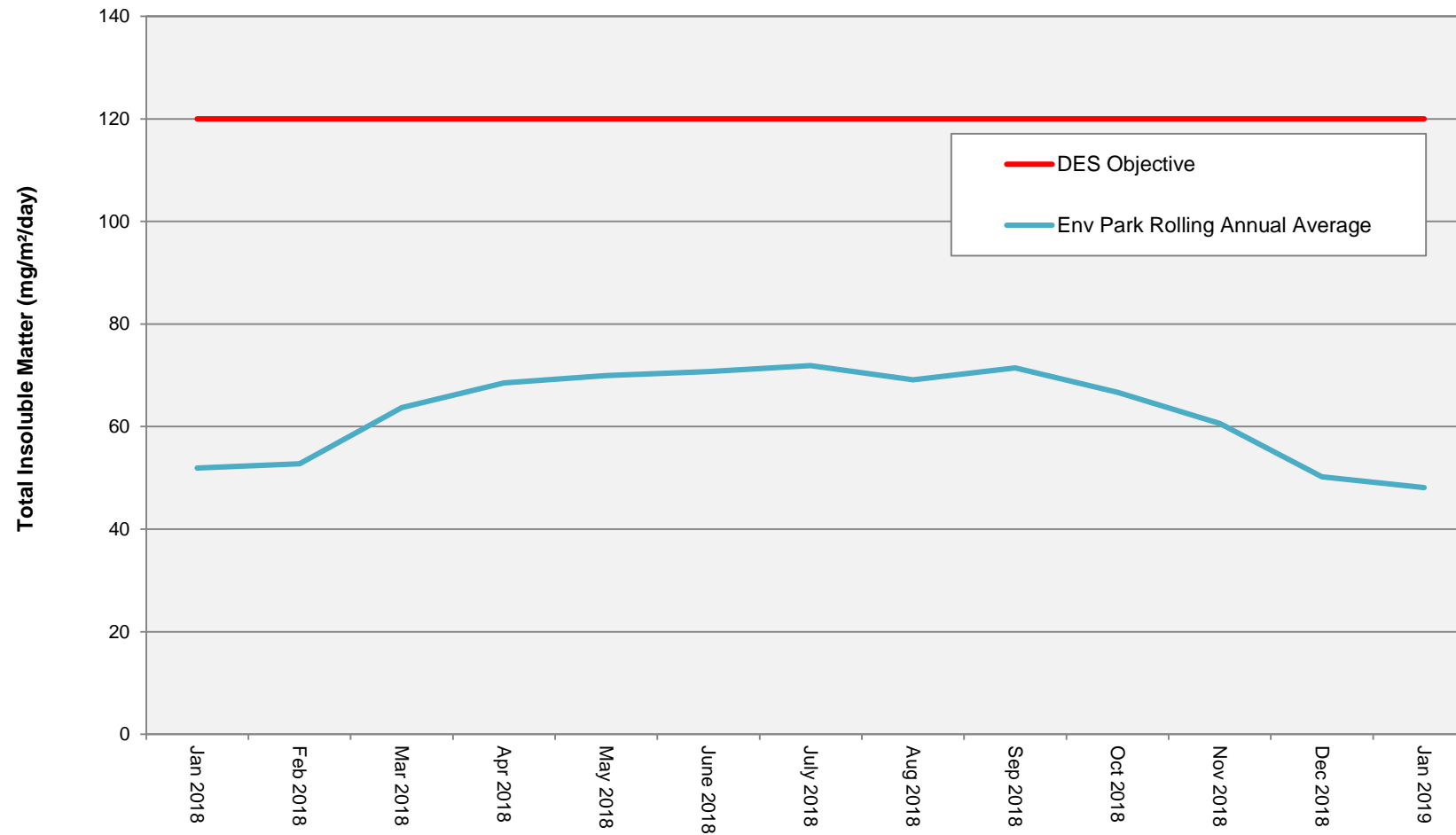
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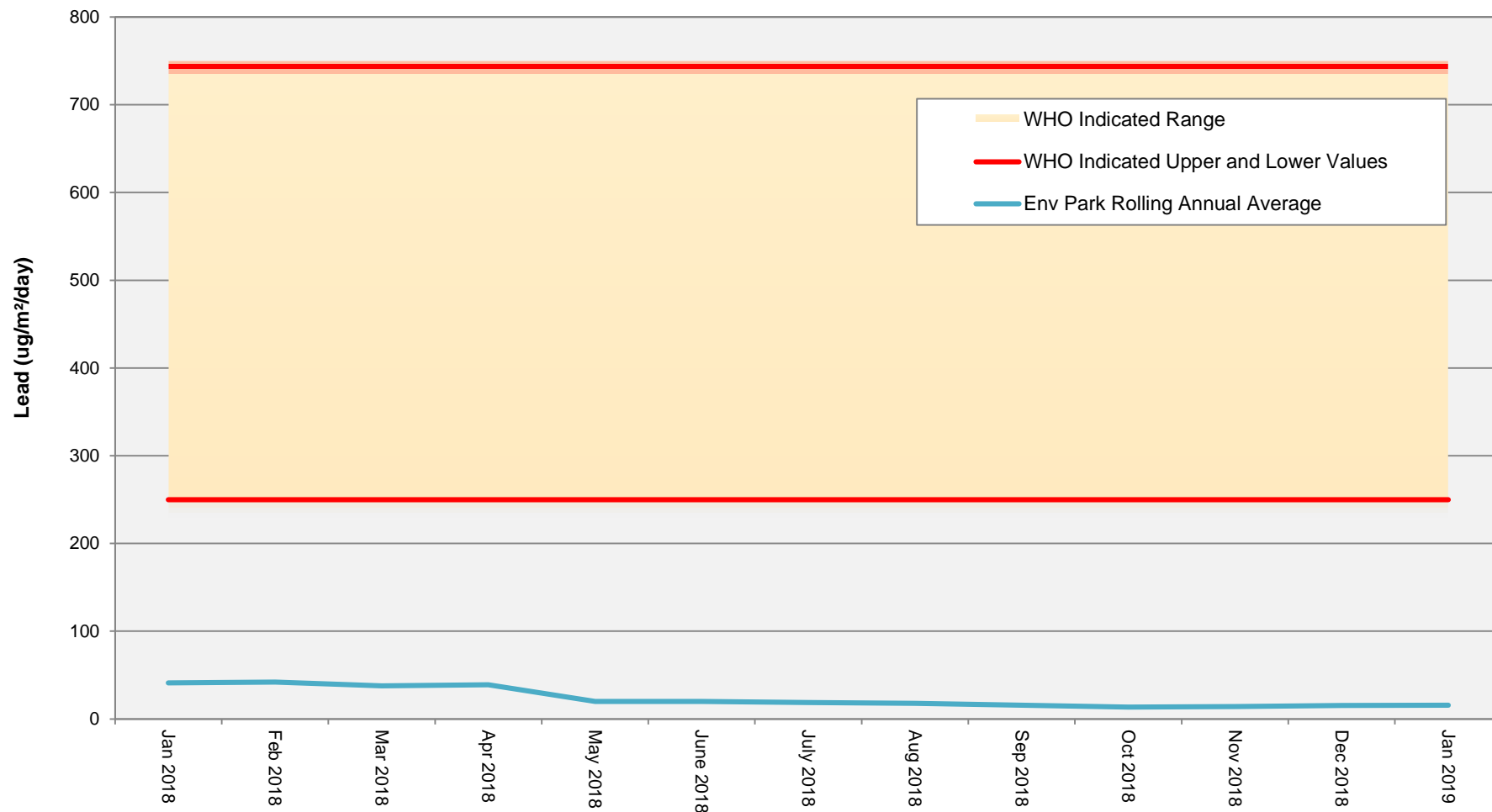
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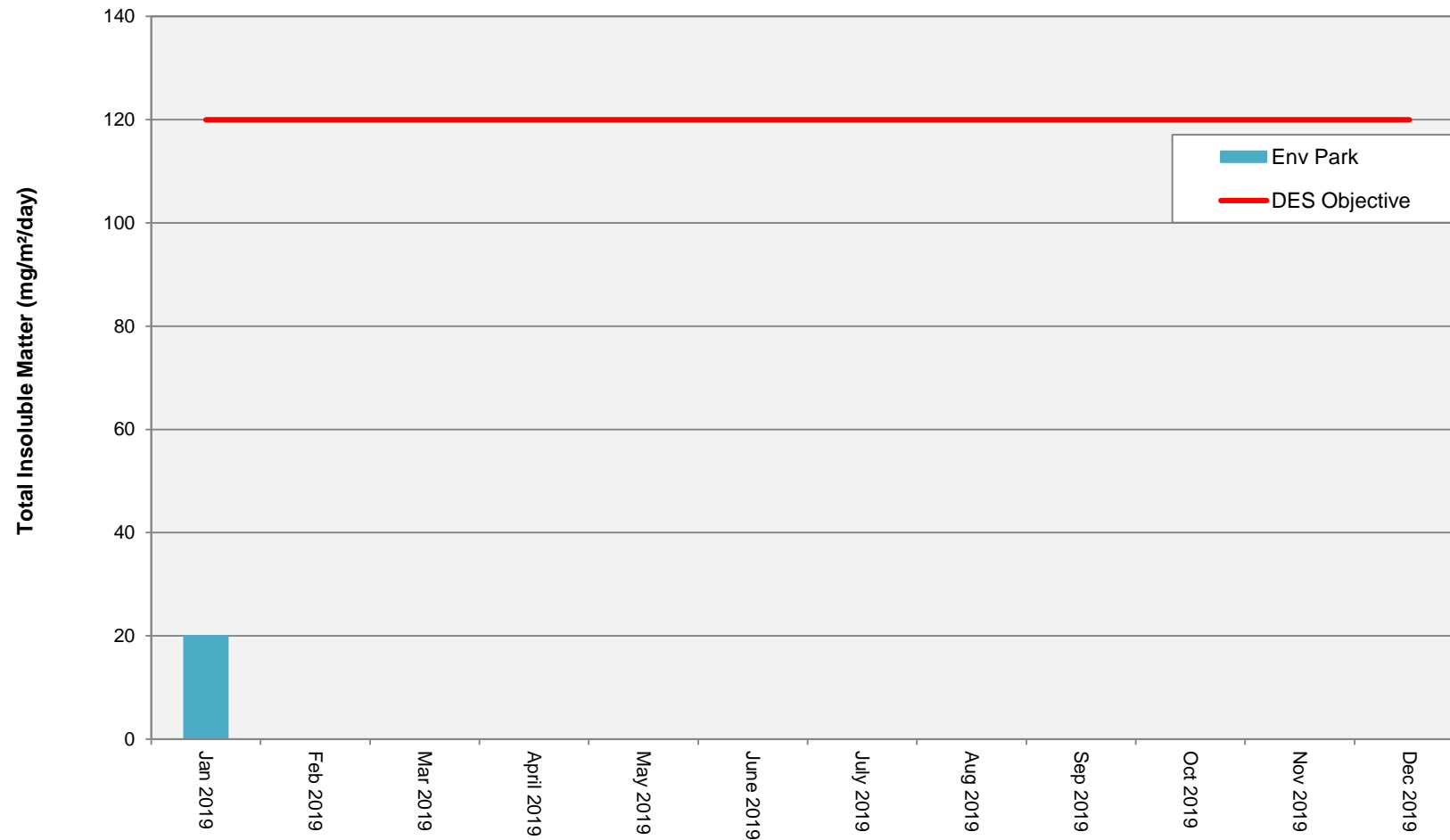
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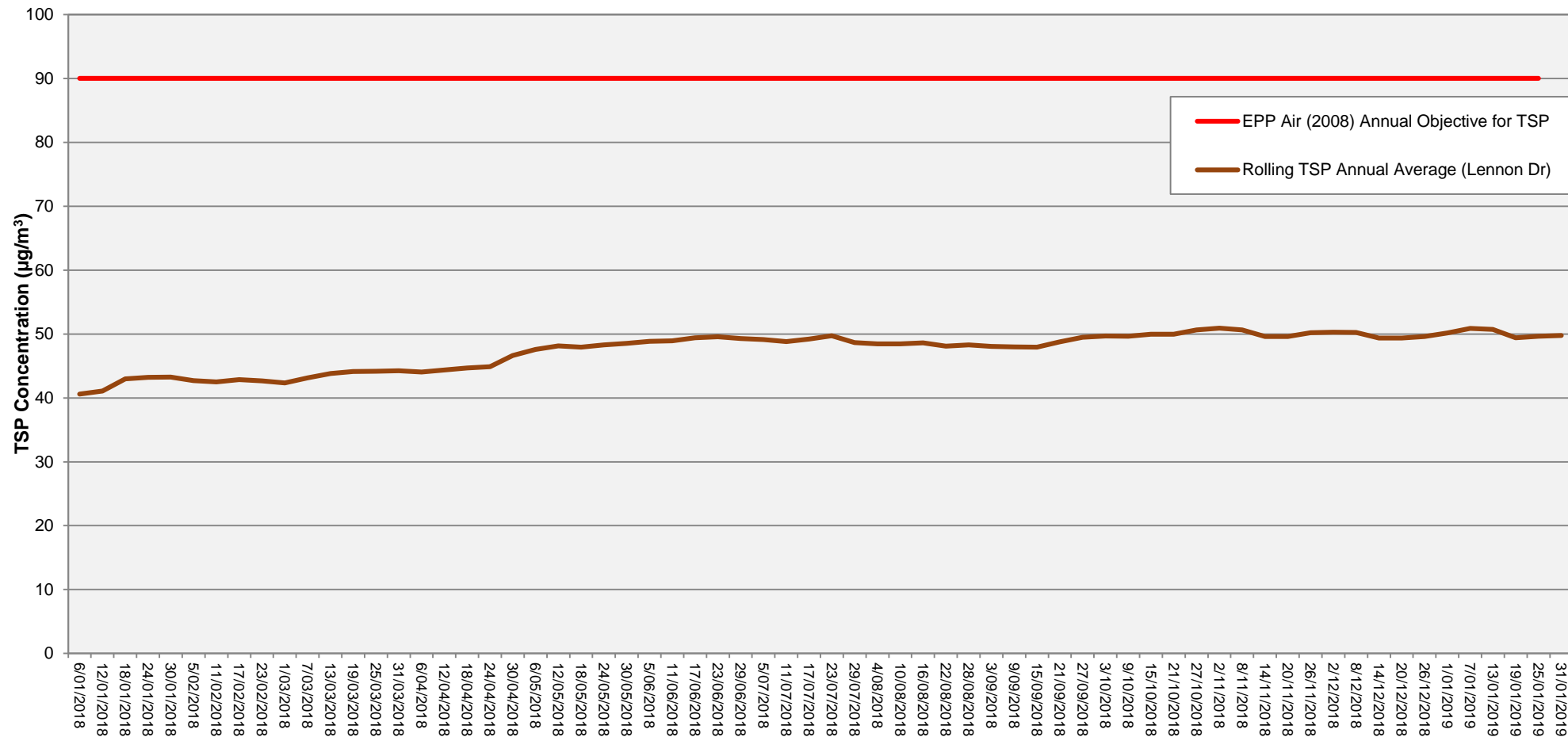
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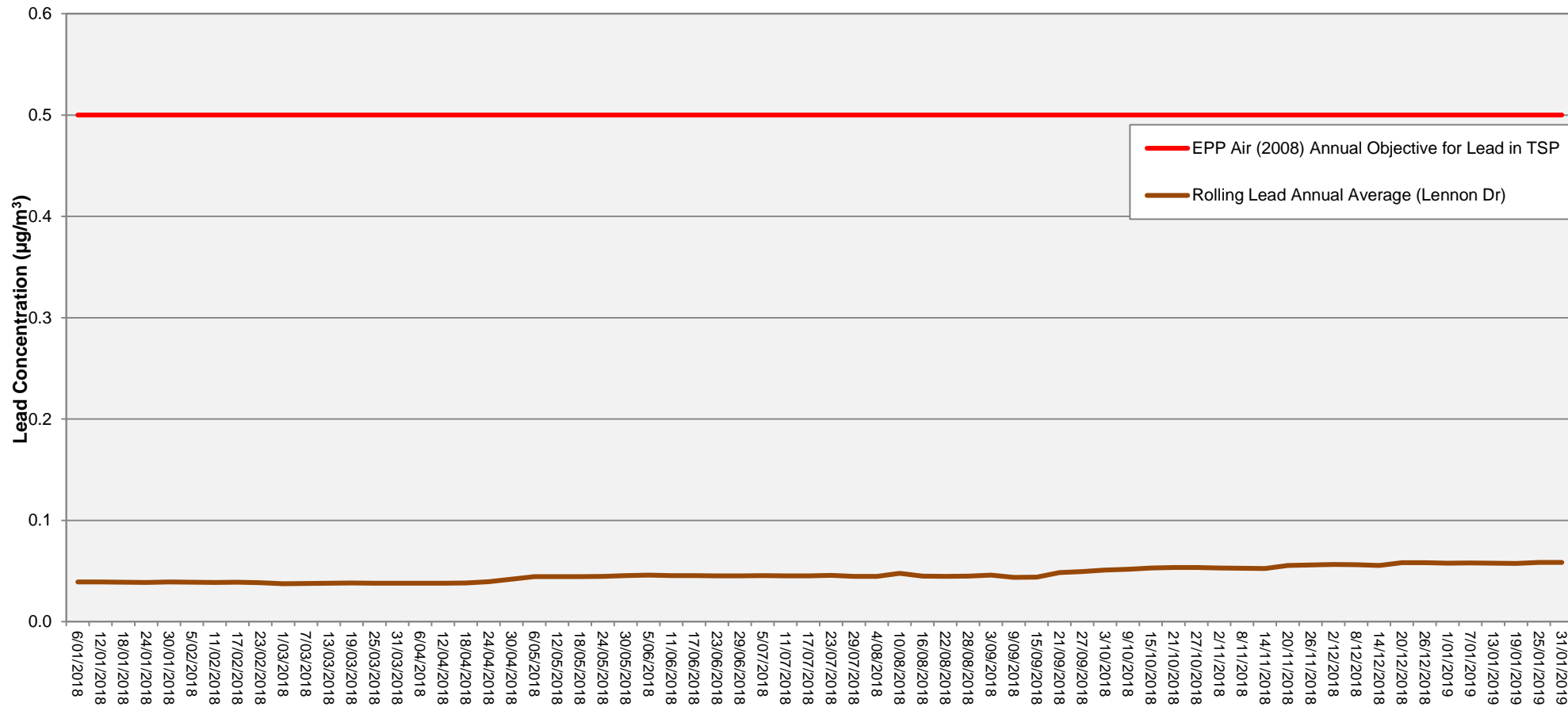


## Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site JANUARY 2018– JANUARY 2019



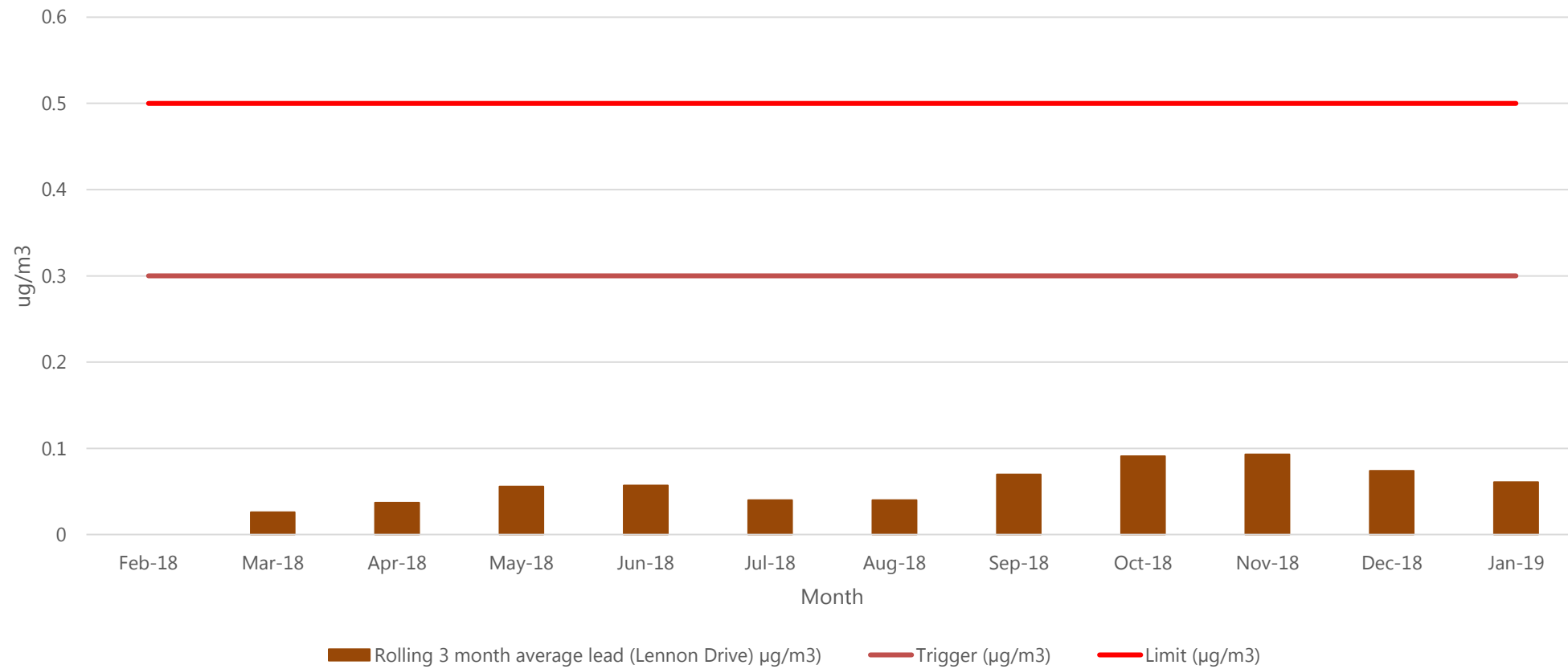
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period  
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## Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site JANUARY 2018– JANUARY 2019



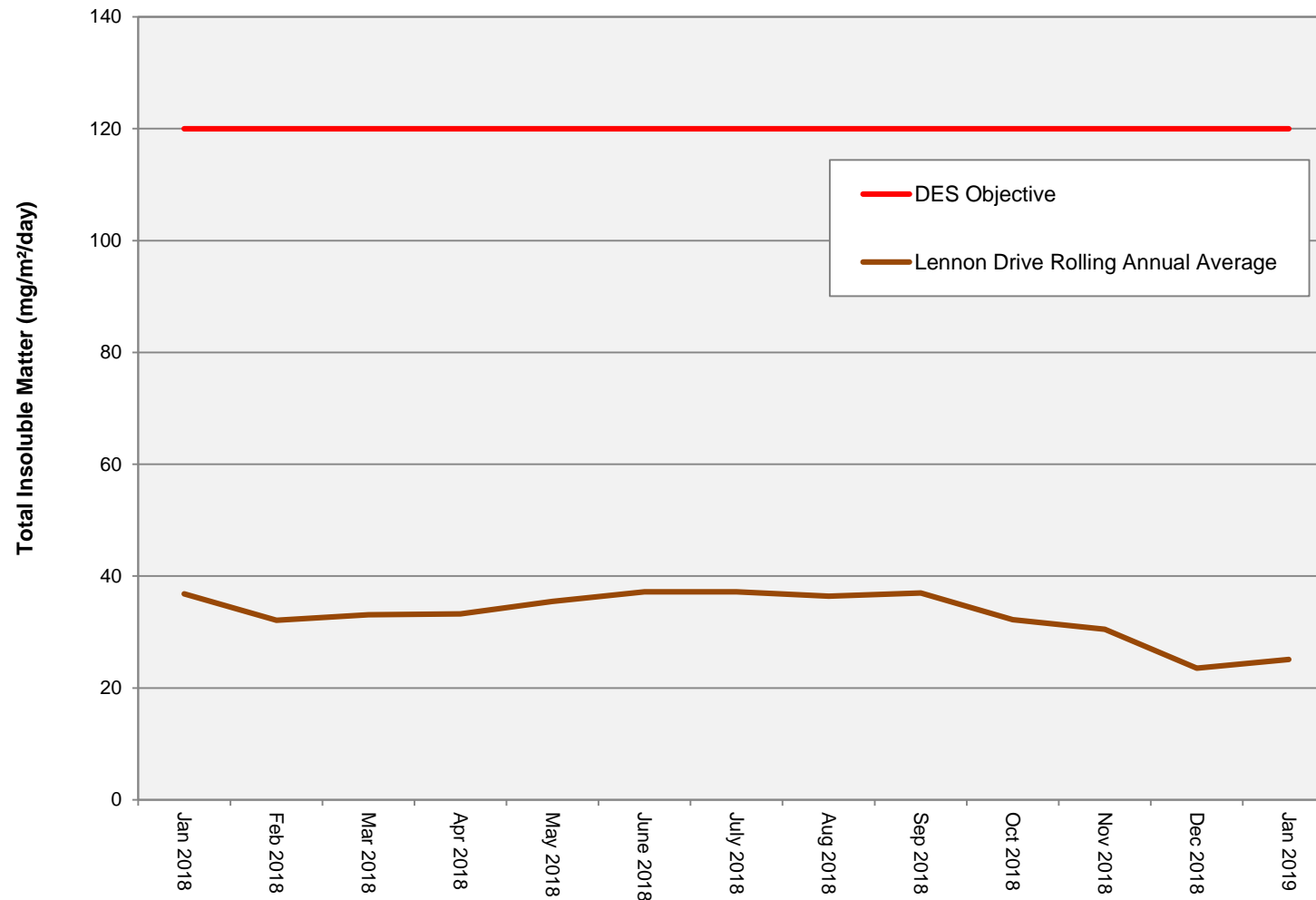
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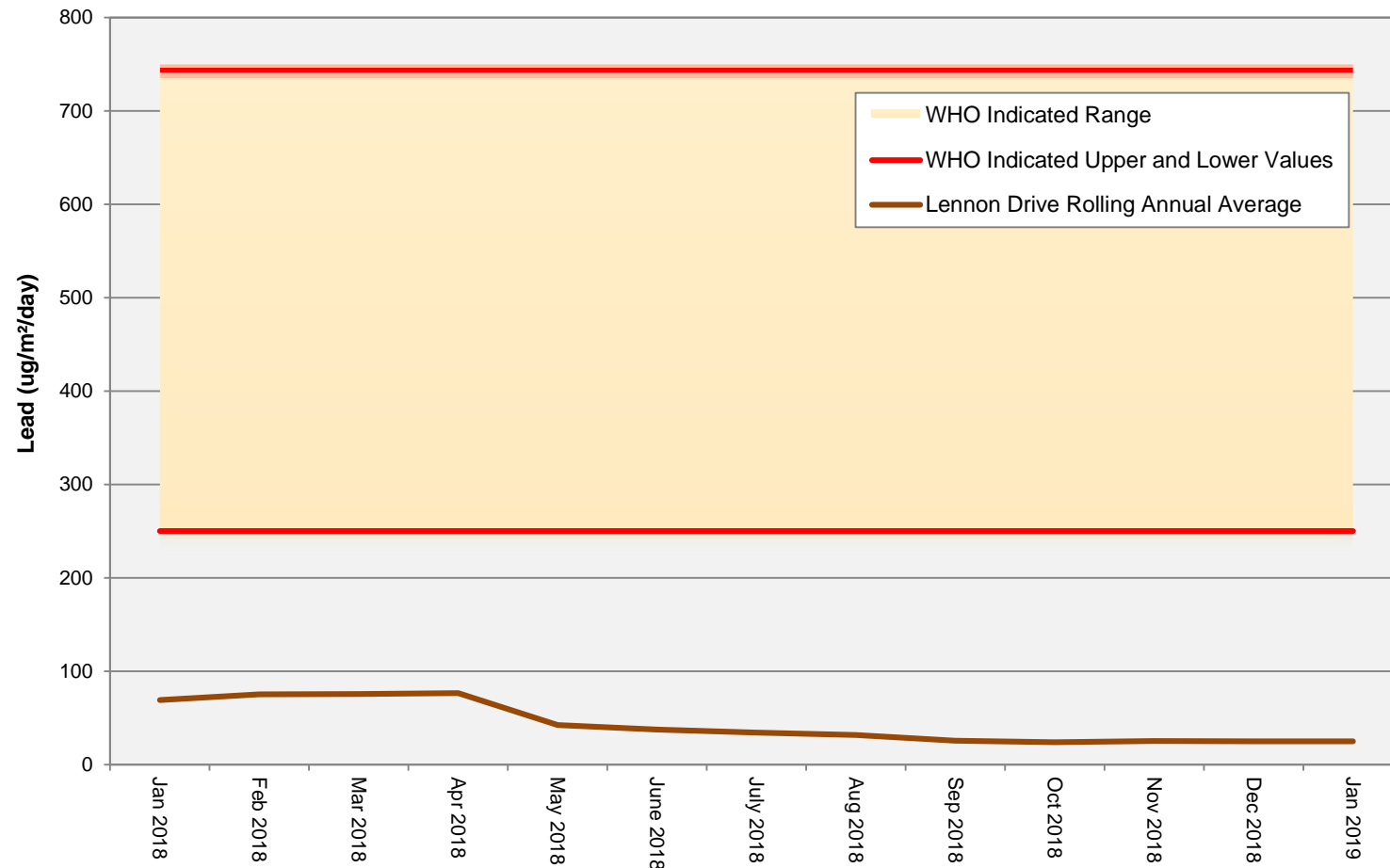
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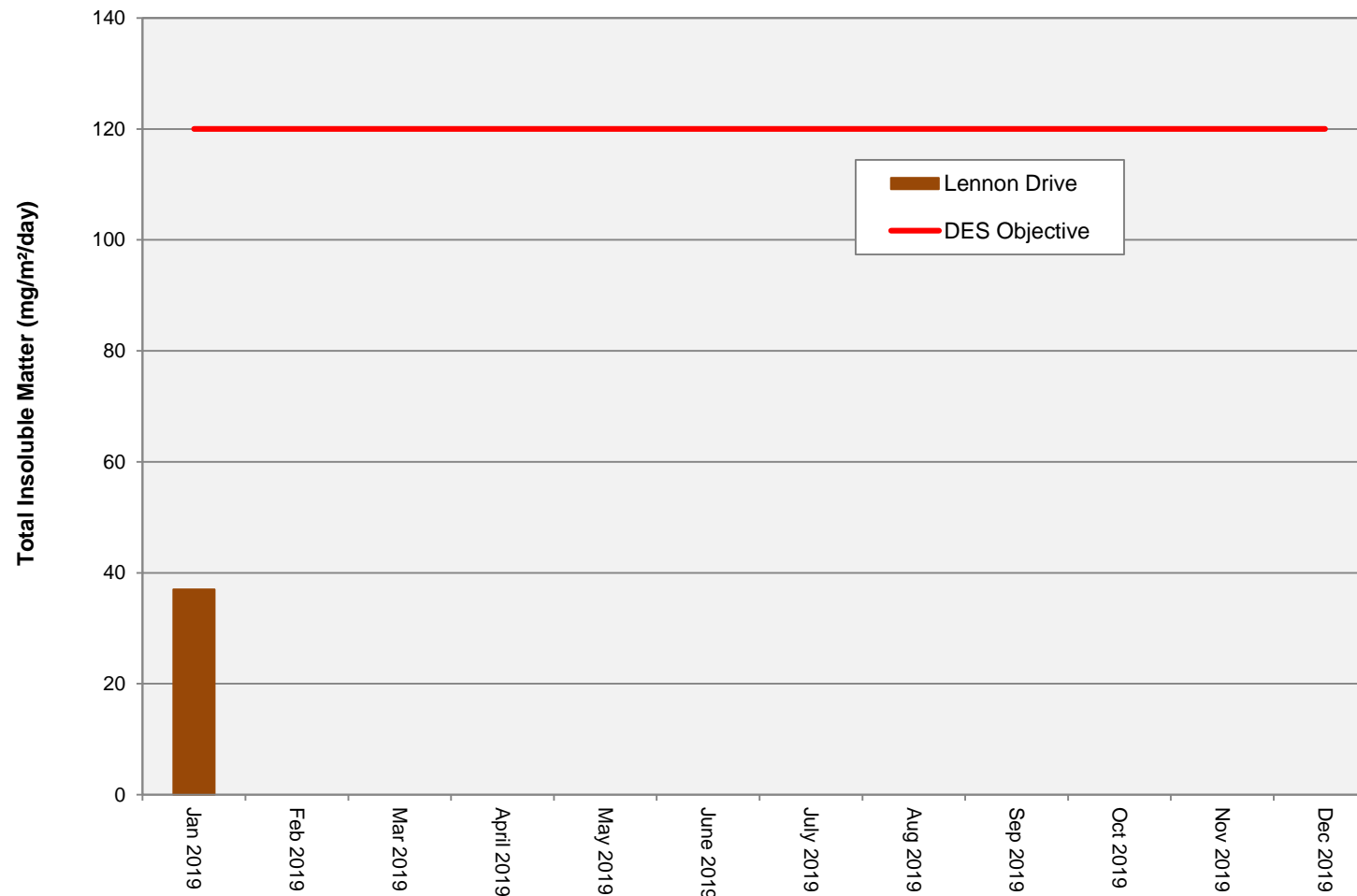
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This statement/advice was provided by Queensland Health in relation to blood lead levels in Townsville in April 2016

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.