

Information

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Create a monthly data Dashboard

Air Quality Bulletin – July 2016

Live Shipping Schedule

Rainfall Data - BOM

Air Quality Monitoring Plan

SHIPPING MOVEMENTS – OCTOBER 2016

Date	Bth	Vessel / Cargo	Date	Bth	Vessel/Cargo
1	1	Songa Fortune – petroleum products	16-17	3	Kweichow - containiers
1-3	3	Hansa Salzburg – fertiliser	16-19	19	Victoria Harbour fertiliser
1-3	9	AAL Nanjing – general cargo	17-20	9	Theresa Guangdong – sugar
4-12	3	Aquarius Ocean, zinc cons	17-18	1	Hellas Nemesis – petroleum product
6	10	Viking Drive – motor vehicles	19-21	8	Glorious Sunlight - fertiliser
6-7	4	Gloucester Express - cattle	19-21	3	Kota Nasrat – containers
			19-22	3	Pacific Condor - containers
8-9	4	Golden Creation - Molasses	20-21	1	Ocean Moonbeam – petroleum prod
8-12	1	Gas Defiance – LPG	22-24	9	Marex Noa – molasses
8-12	8	Stove Campbell - fertiliser	22/23	8	Erna Oldendorff – concentrates
9-10	10	Niu Ailan Coast – gen cargo	23-24	3	New Guinea Chief – containers
10	9	Victorius Ace – motor vehicles	24-28	9	Champion Conelia – molasses
1-13	8	Bison Express - repairs	23-25	1	Chang Hang Xi Wang – petroleum
10-11	9	Fiesty Karen – project cargo	24-28	11	DL Olive – concentrates
10-12	4	Alcem Lugait – cement	24-25	10	Niu Ailan Coast – containers
11	10	Genius Highway – m. vehicles	25	3	Atlas Highway – motor vehicles
11-12	10	Ocean Ute - cattle	25	1	Gas Shuriken – LPG
12	10	Aphrodite Leader – m.vehicles	27	1	Golden Unity – petroleum product
12-13	3	Papuan Chief - containers	26-30	3	Stamina SW – Zinc concetrates
13-14	3	Sofrana Tourville – containers	28-29	8	Defence vessel
13-14	9	Amstel Tiger - sugar	28	10	Gloucester Express – cattle
14-15	10	Darya Ganga - Containers	30-31	4	Alcem Lugait - cement
15-16	3	Victoria Harbour - Fertiliser	30-31	4	Therese Micronesia - Molasses
15-17	8	Ap Sveti Vlaho - Fertiliser			

Air Quality Monitoring Locations



PORT STAKEHOLDER WORKING GROUP

The Port Stakeholder Working Group (PSWG) was established to provide a forum for ongoing engagement between Port of Townsville limited, port operators and key stakeholders including community representatives, North Queensland Conservation Council, relevant Government agencies and Townsville City Council. The PSWG is led by an independent Chair, Mr David Donohue, of Queensland Corporate Communication Network.

The objectives of the PSWG are:

- Maintain good working relationships between the port community, key stakeholders and the community, fostering open, transparent and constructive dialogue;
- Provide a forum to discuss potential issues and concerns relating to air quality; dust deposition and environmental management activities at the Port of Townsville;
- Ensure that the Townsville community receives comprehensive, accurate, appropriate and timely information on air quality, dust deposition and environmental management at the Port of Townsville;
- Improve knowledge and understanding of air quality, dust deposition, and environmental management related to port operations and broader ambient air quality in Townsville;
- Provide a forum for continuous improvement suggestions to be raised and discussed and;
- Consider and identify cumulative aspects or local pressures related to air quality, dust deposition and environmental management at the Port of Townsville.



AIR QUALITY MONITORING IN TOWNSVILLE

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

Click here to visit DEHP's
monitoring network

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

Port of Townsville - Overview

First established in 1864, the Port of Townsville is operates eight berths handled more than \$10 billion in trade during the 2015/2016 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, gas, 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

Email community@townsvilleport.com.au and list your name, email address and “subscribe me to Dashboard” in the subject line

OR

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

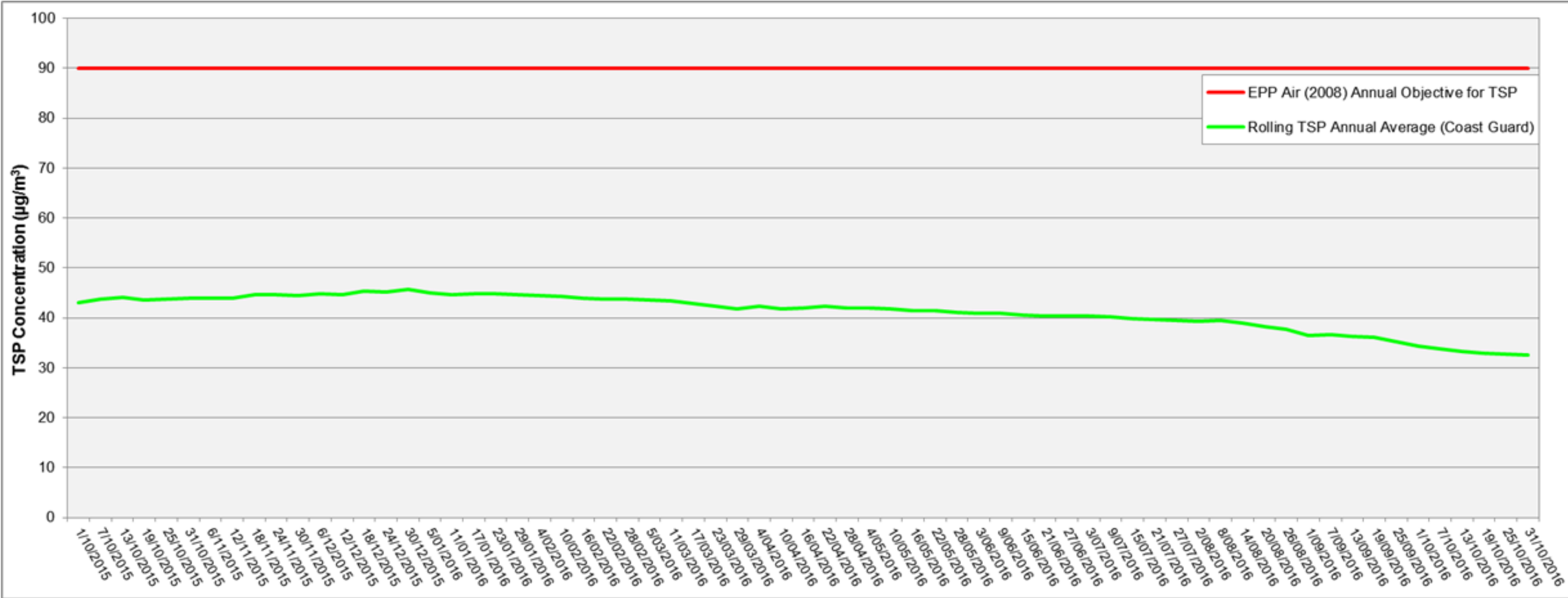
OR

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

Ask a Question / Provide Feedback

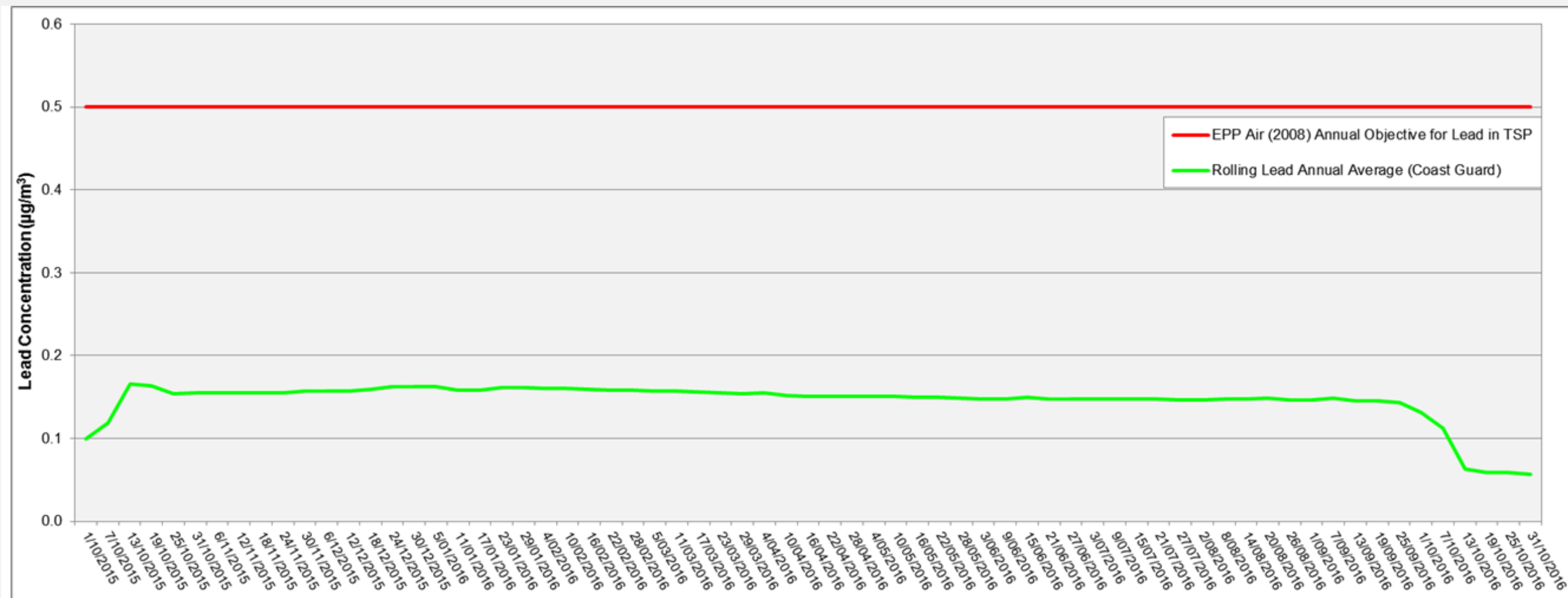
Send your enquiry or feedback to community@townsvilleport.com.au – your enquiry/feedback will be circulated to all members of the PSWG. A response (if required) will be generated by the appropriate member within 14 business days.

Hi-Volume Sampler - General total dust levels (one in six days) at Coast Guard Site Oct 2015 to Oct 2016



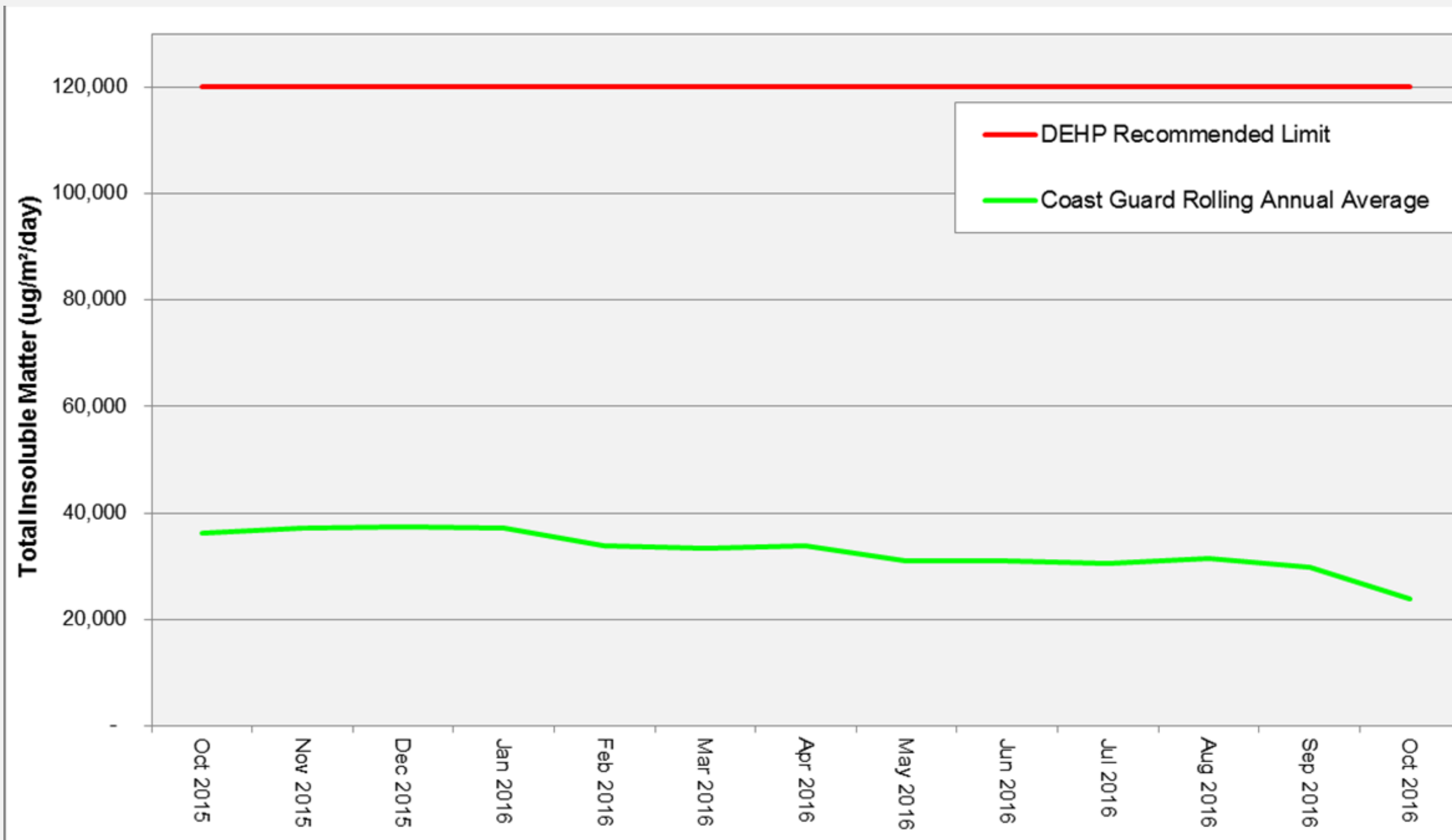
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
 Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler - Lead in dust levels (one in six days) at Coast Guard Site Oct 2015 – Oct 2016



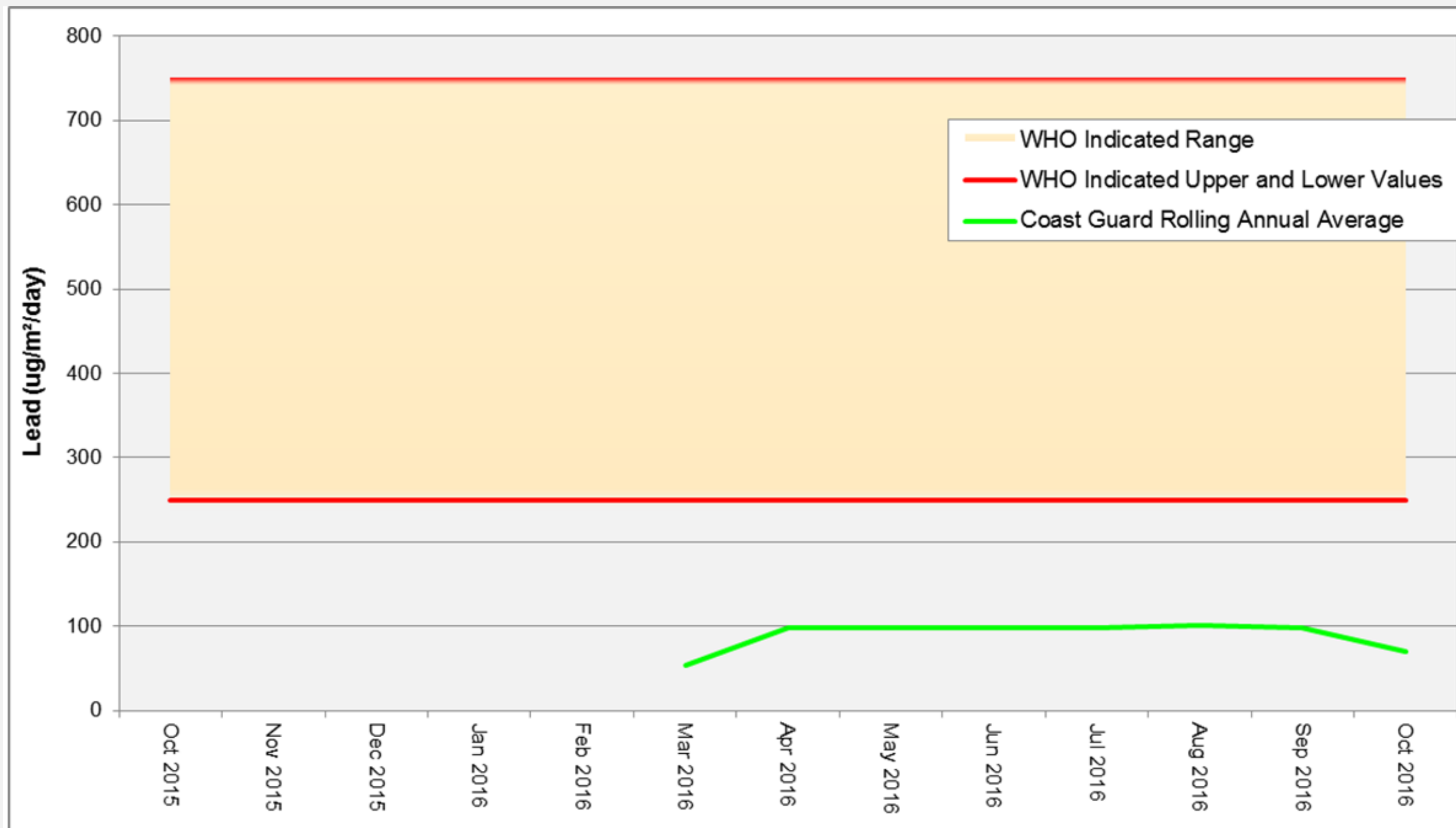
Note: Lead Concentration units = micrograms per cubic metre per 24 hour period
 Rolling annual average = the moving average of the previous 11 results and the current result

Dust Deposition Gauge - General dust deposition levels (monthly) at Coast Guard Site Oct 2015 to Oct 2016



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

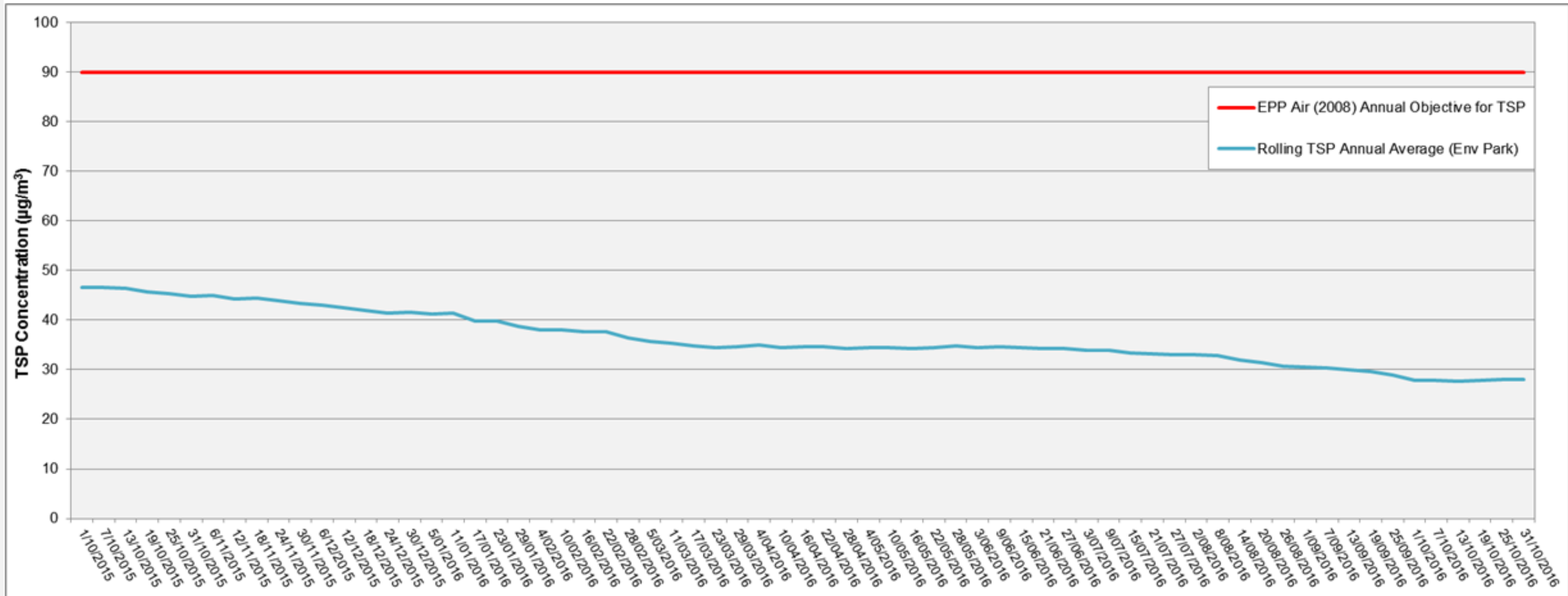
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Coast Guard Site Oct 2015 to Oct 2016



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

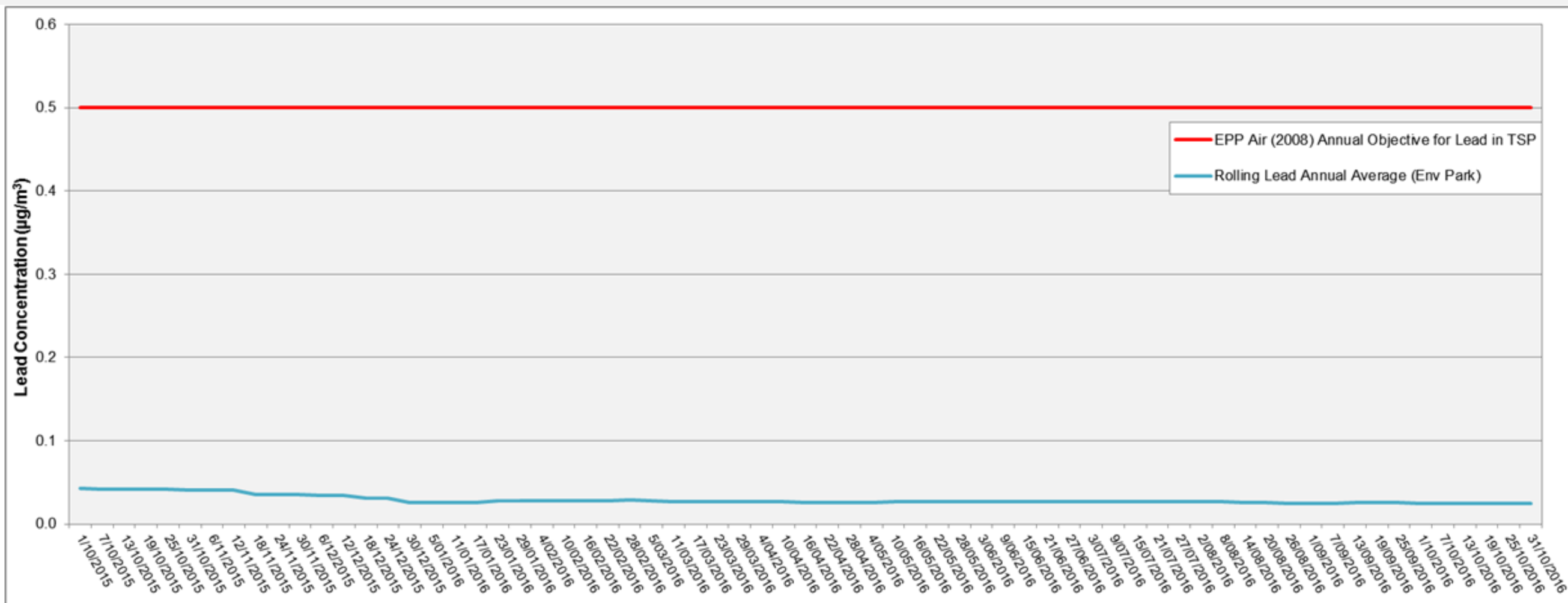
[Click here](#) for information on how to interpret this data

Hi-Volume Sampler General total dust levels (one in six days) at Environment Park site – Oct 2015 to Oct 2016



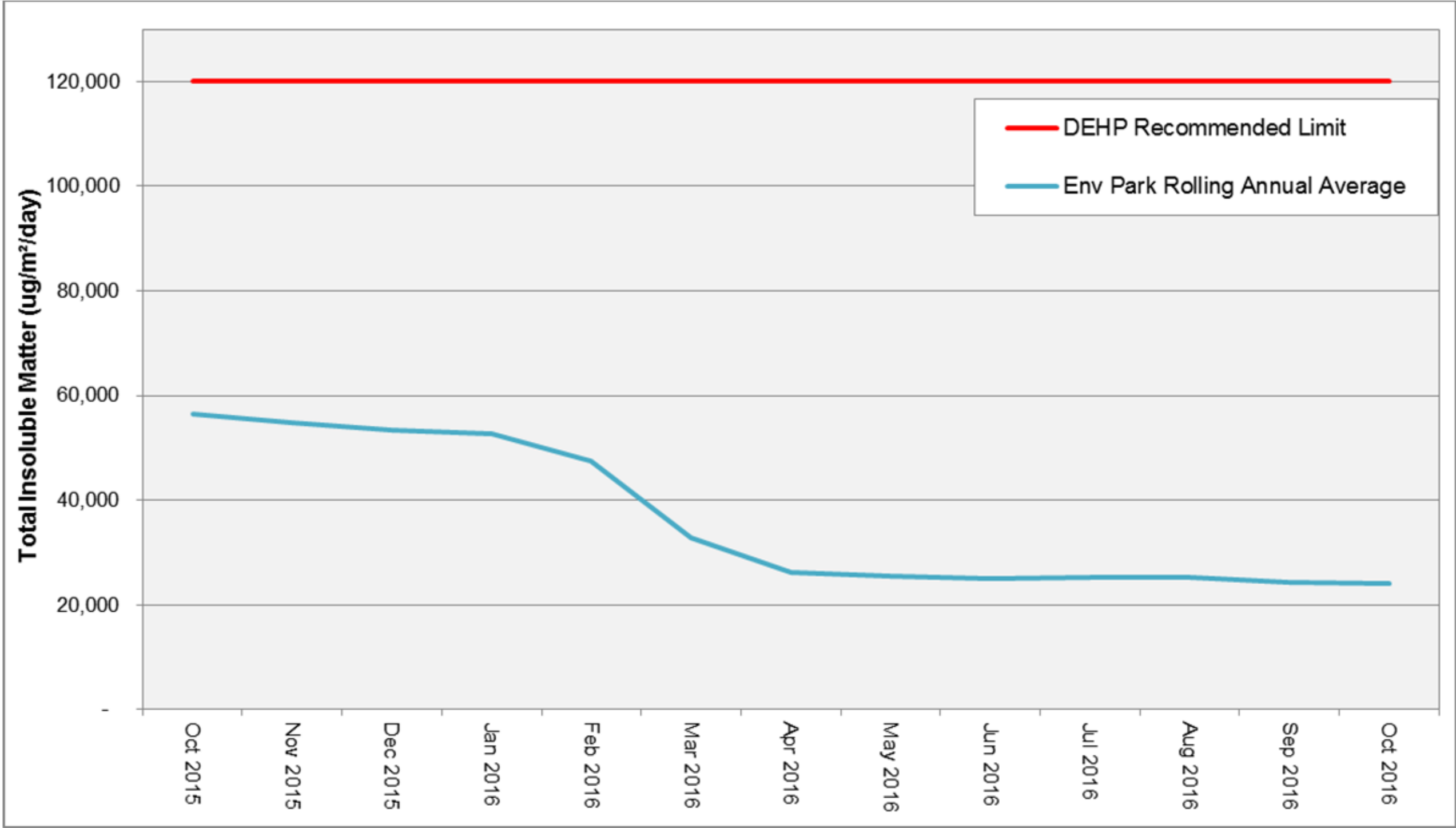
Note: TSP Concentration units = micrograms per cubic metre per 24 hour period
 Rolling annual average = the moving average of the previous 11 results and the current result

Hi-Volume Sampler - Lead in dust levels (one in six days) at Environment Park site – Oct 2015 to Oct 2016



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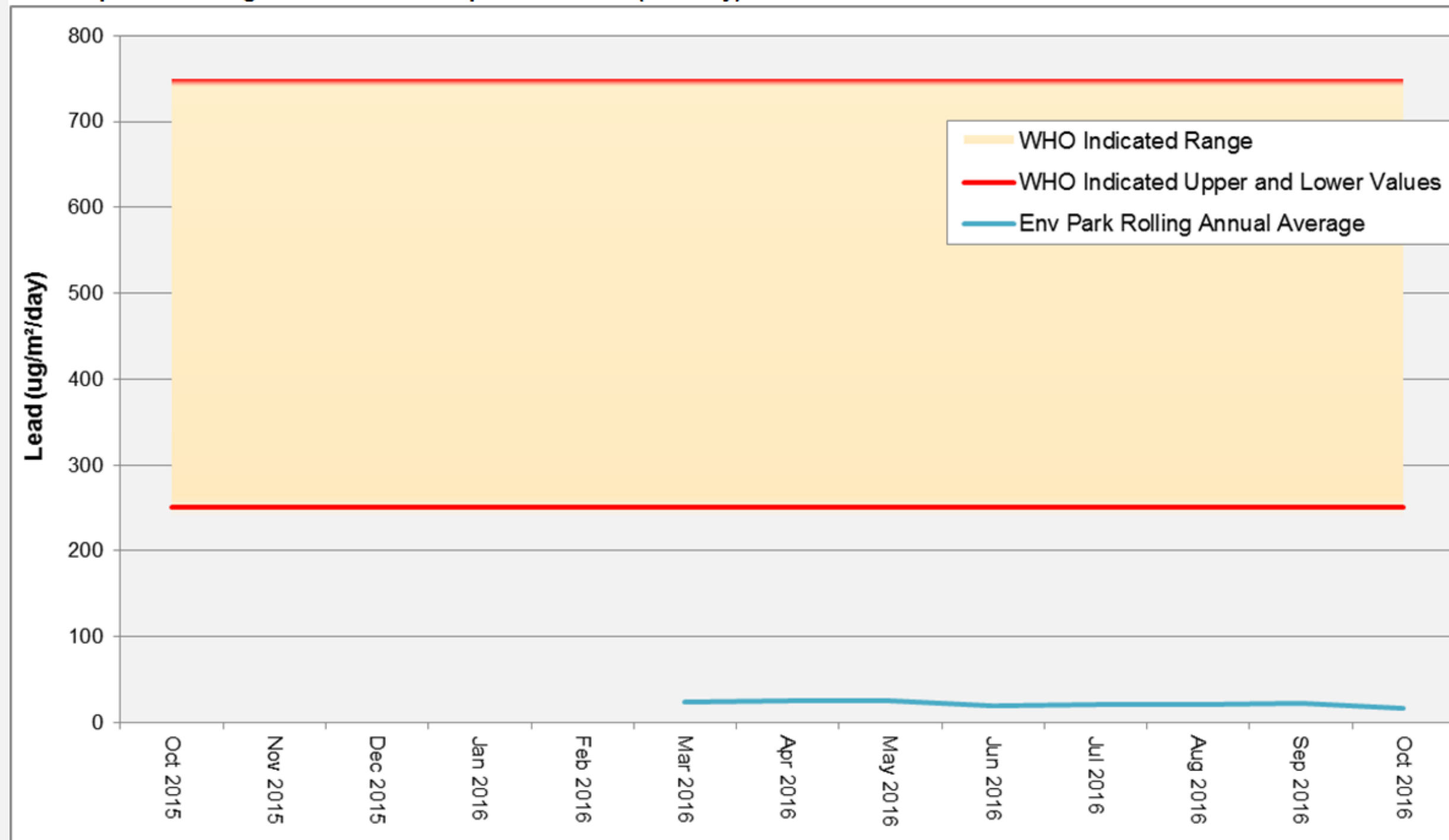
Dust Deposition Gauge - General dust deposition levels (monthly) at Environment Park site Oct 2015 to Oct 2016



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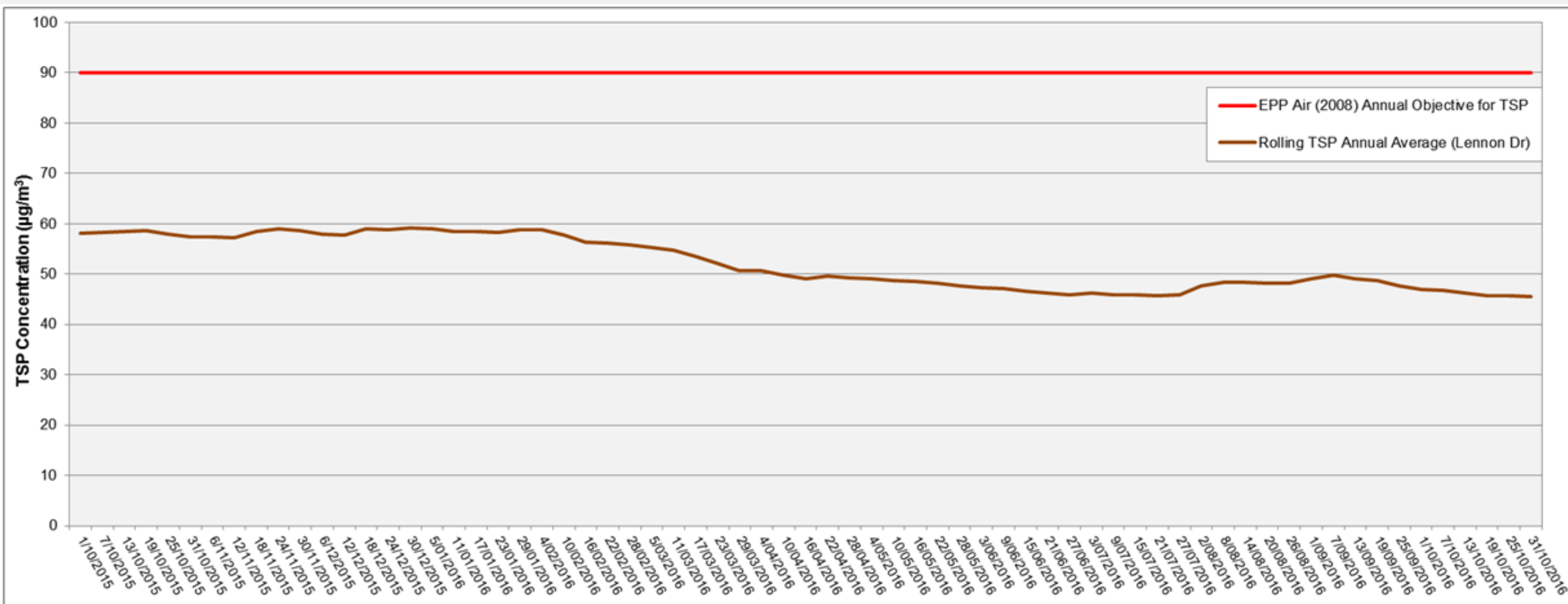
Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park site Oct 2015 to Oct 2016

Dust Deposition Gauge – Lead in dust deposition levels (monthly) at Environment Park Site for the last 13 months



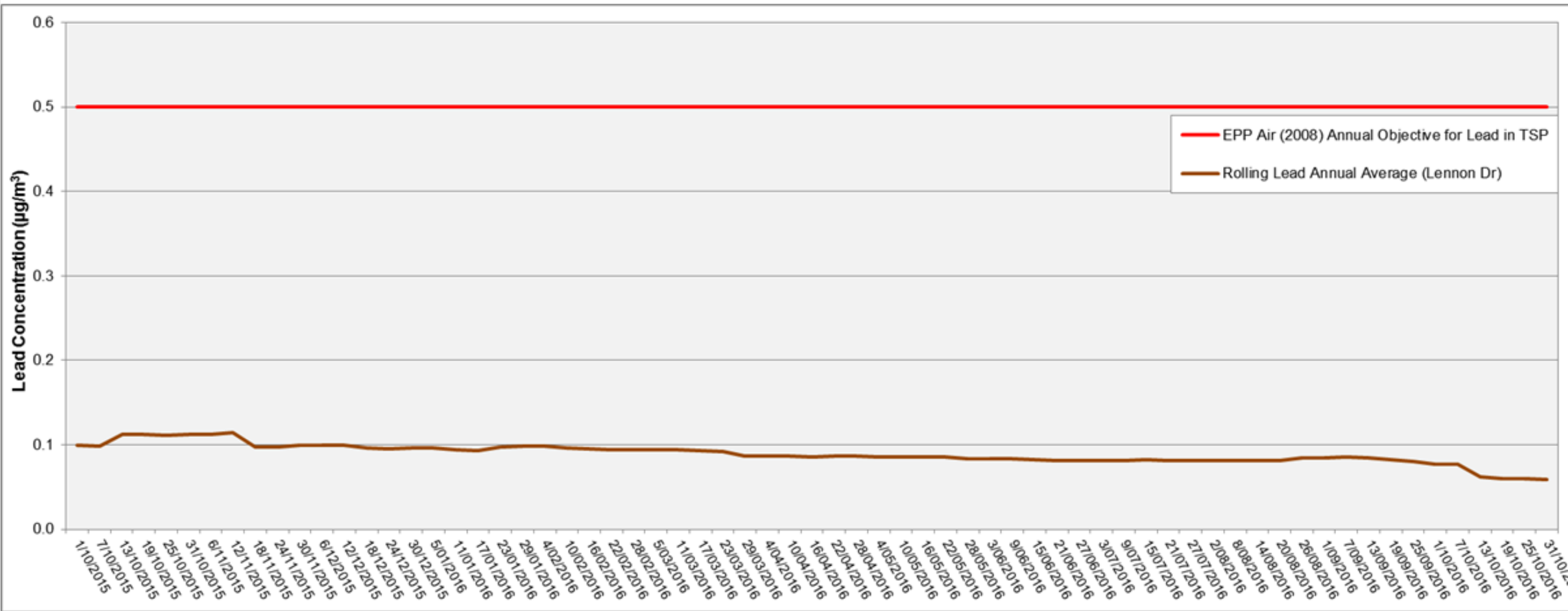
Note: Lead Concentration units = micrograms per square metre per day

Hi-Volume Sampler - General total dust levels (one in six days) at Lennon Drive site – Oct 2015 to Oct 2016



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

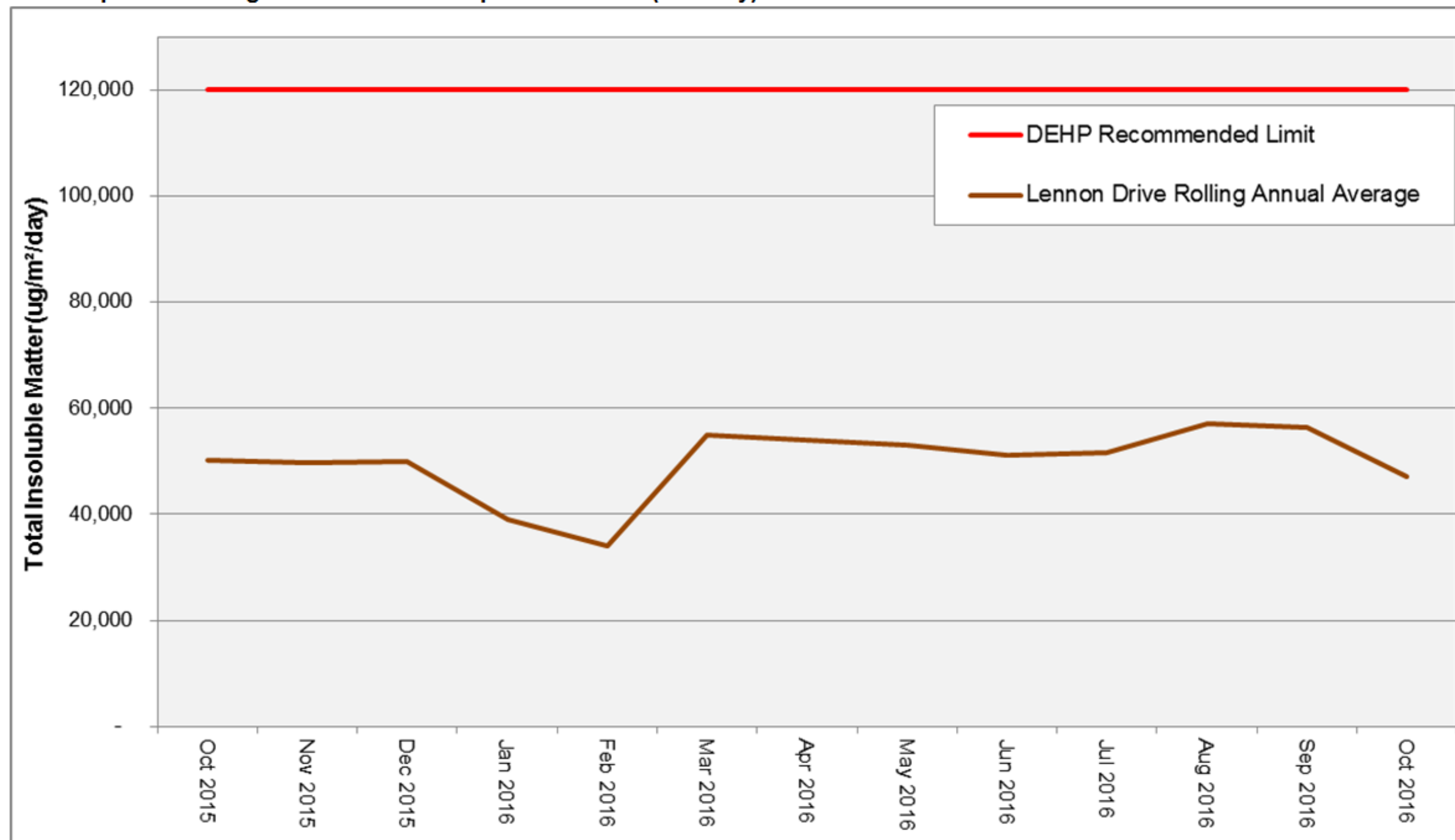
Hi-Volume Sampler - Lead in dust levels (one in six days) at Lennon Drive Site – Oct 2015 to Oct 2016



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

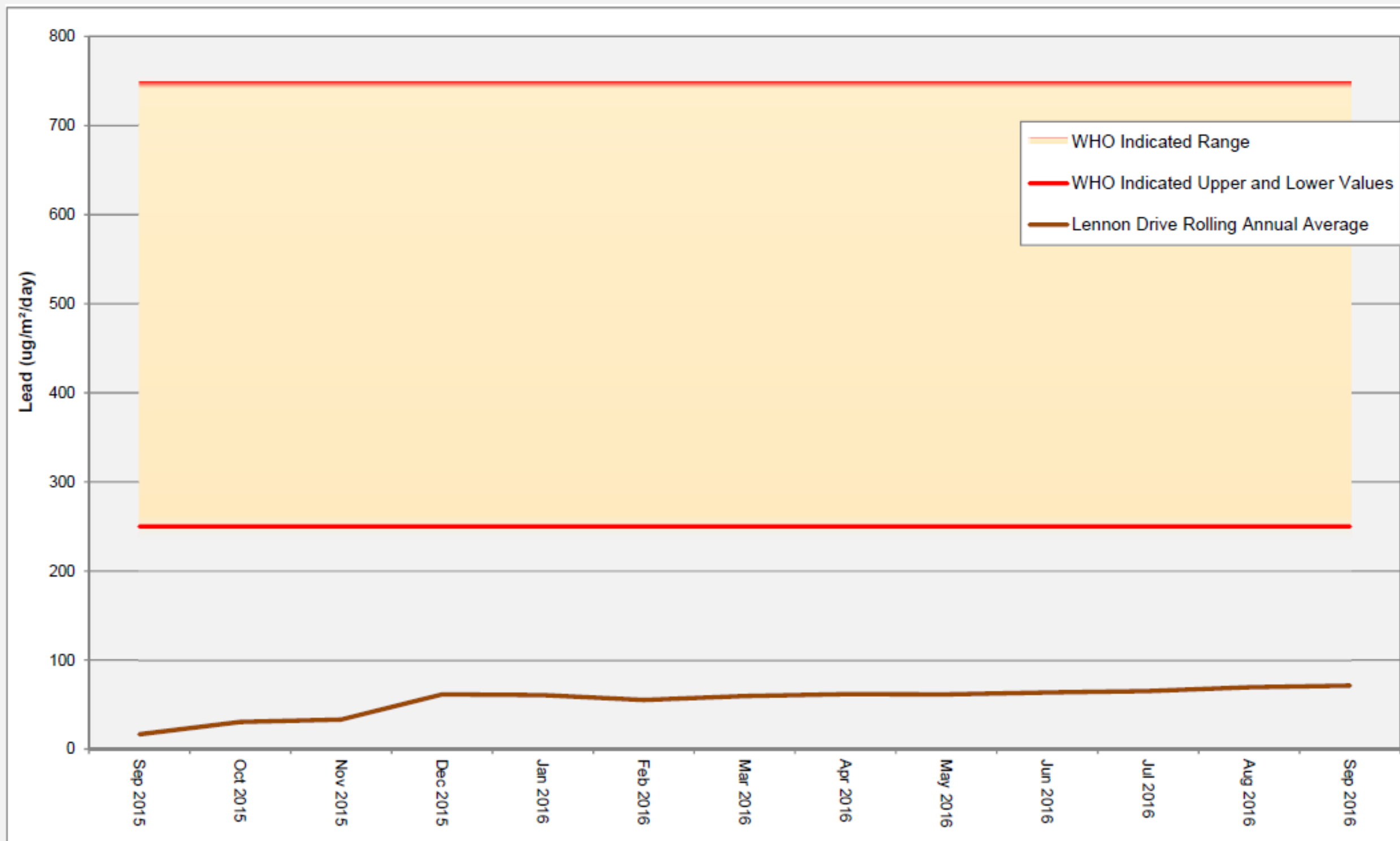
Dust Deposition Gauge - General dust deposition levels (monthly) at Lennon Drive Site Oct 2015 to Oct 2016

Dust Deposition Gauge – General dust deposition levels (monthly) at Lennon Drive Site for the last 13 months



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 Oct 2015 to Oct 2016



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

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.

You will now be transferred to the website of the Queensland Government's Department of Environment and Heritage Protection – Hourly Metals Data page.

[Click here to proceed.](#)

You will now be transferred to the website of Port of Townsville Limited –
Air Quality Monitoring page.

[Click here to proceed.](#)

You will now be transferred to the website of the Queensland Government's Department of Environment and Heritage Protection – Metals Measurement at Coastguard TVE page. This page allows you to generate your own graphs using variable date parameters.

[Click here to proceed.](#)