

Tacoma Smelter Plume Yard Program Update

October 29th, 2019
Tacoma City Council Study Session
Washington Department of Ecology



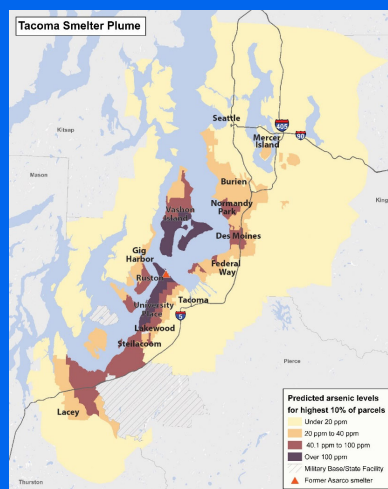
Topics

- History
- Project Overview
- Health Department outreach
- Ecology's Programs





Tacoma Smelter Plume



Health Impacts

What are the health risks from arsenic and lead?

Arsenic and lead can contribute to poor health, especially in children. Children are more sensitive because their bodies are smaller and still developing.

Lead can cause developmental disabilities in children and can permanently lower I.Q.



Arsenic can contribute to cancer, diabetes and heart disease later in life.

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Ways People Can Be Exposed



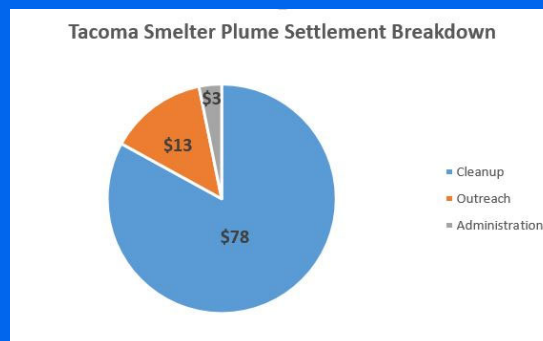
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Healthy Actions



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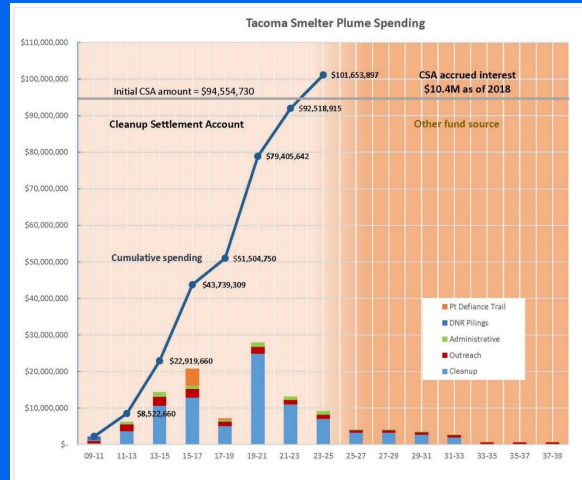
Tacoma Smelter Plume Project



Original breakdown of the \$94.6 million Asarco settlement for the future cost of cleaning up the Tacoma Smelter Plume.

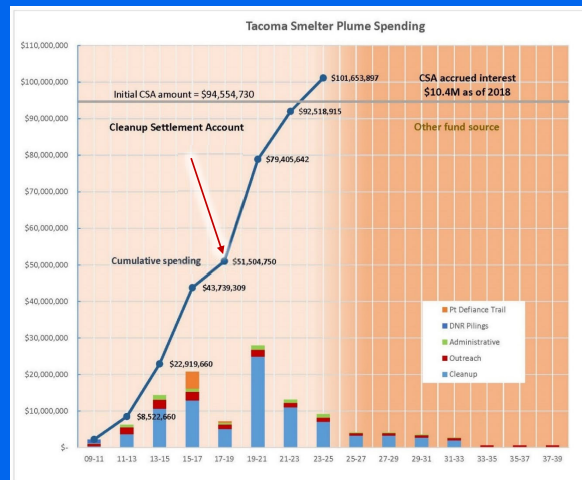
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Tacoma Smelter Plume Project



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Tacoma Smelter Plume Project



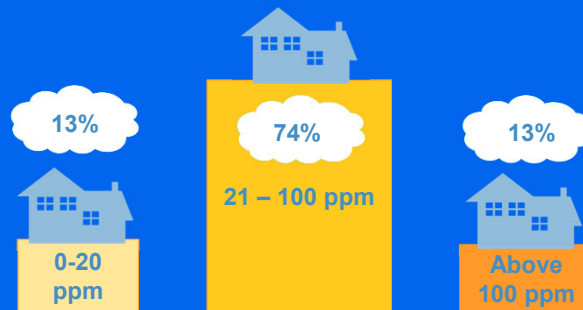
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Yard Program Service Area



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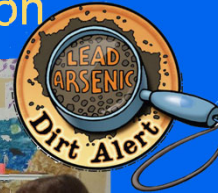
Arsenic Sampling Results Breakdown



**34 Properties w/ Lead over Action Level of 500 ppm
Results from October 2019*

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The Health Department: Outreach & Education



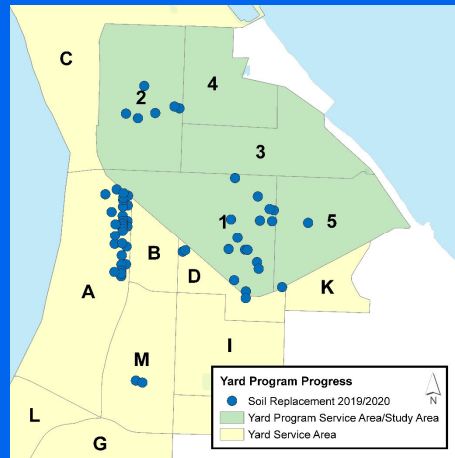
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Working With Residents To Cover Bare Patches Of Soil



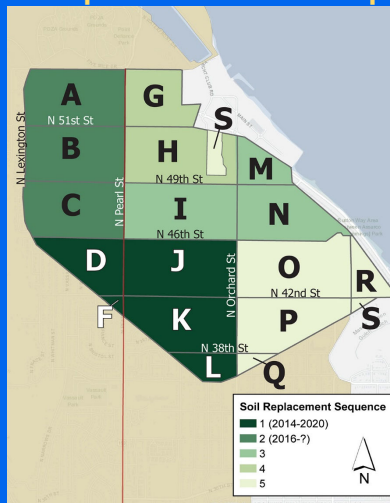
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Soil Replacement – Tacoma 2019/2020



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Soil Replacement Sequence



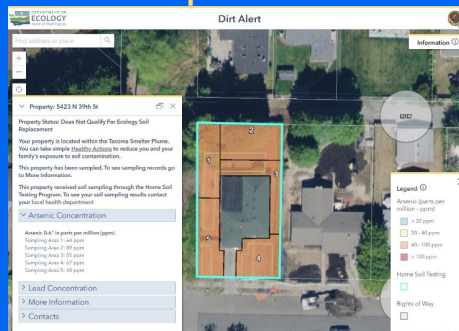
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Soil Replacement



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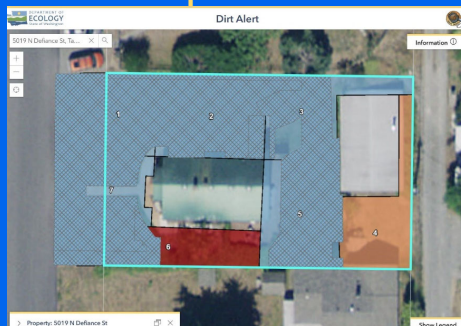
Dirt Alert Map



apps.ecology.wa.gov/dirtalert/

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Dirt Alert Map



apps.ecology.wa.gov/dirtalert/

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EPA Survey To Residents

We Want to Hear from You!
Complete our Survey.



**Commencement Bay Nearshore/
Tideflats Superfund Site
Ruston/North Tacoma Study Area
Five-Year Review**

You can complete the survey two ways:

1. Fill out the paper survey we sent you last month. Return in the postage paid envelope.
2. Complete the survey online at:
www.surveymonkey.com/t/
TSP-EPA-5year-2019

Thank you for your participation.



Survey due
July 19, 2019

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Dune Peninsula



Dune Peninsula at dusk

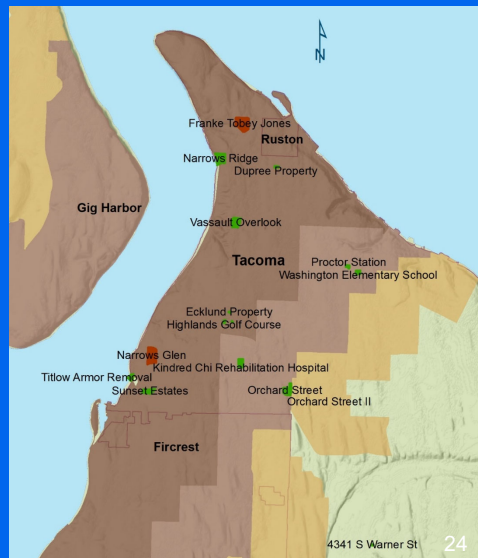
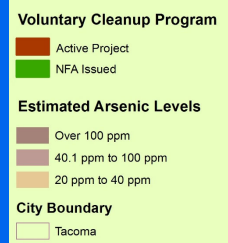


The slides at Dune Peninsula

Photo: Metro Parks Tacoma

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Technical Assistance



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Technical Assistance

**Tacoma Smelter Plume Model
Remedies Guidance**
Sampling and cleanup of arsenic and lead
contaminated soils

For:
Formal cleanup sites
Voluntary Cleanup Program
Properties under development
Projects involving soil movement



DEPARTMENT OF
ECOLOGY
State of Washington

July 2019
Toxics Cleanup Program
Washington State Department of
Ecology
Lacey, WA
Publication Number 19-09-101

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The Road Ahead

Lasting solutions for

- New residents
- Development



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Soil Sampling and Health Questions

Contact

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Website: www.tpchd.org/dirtalert

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Yard Program or Soil Safety Questions

Contact

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Remediation Manager

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Phone: (360) 407-6262



Website: <http://ecology.wa.gov/Tacoma-smelter>

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