# Tacoma Smelter Plume 2020 Yard Program

**Pre-construction meeting Washington Department of Ecology** 



### **Topics**

- Timeline
- Prepare yard area
- Access
- Safety
- Homeowner responsibilities
- Project Line



### **Yard Program**

- Existing residential property
- State-led
- Voluntary
- Arsenic action level = 100 ppm
- Lead action level = 500 ppm

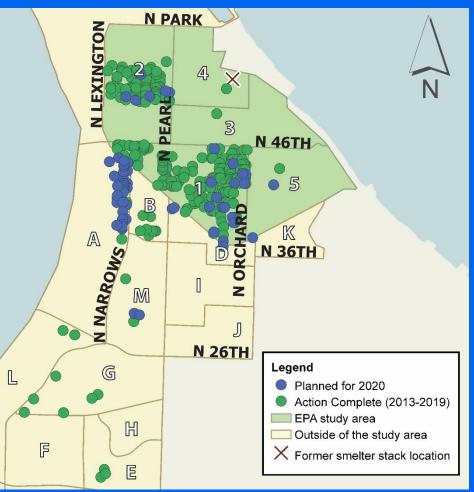


#### Soil Replacement- Tacoma

<u>Completed:</u> 2013-2019

Total: 255 yards

<u>Upcoming:</u> 2020- ~ 58 yards



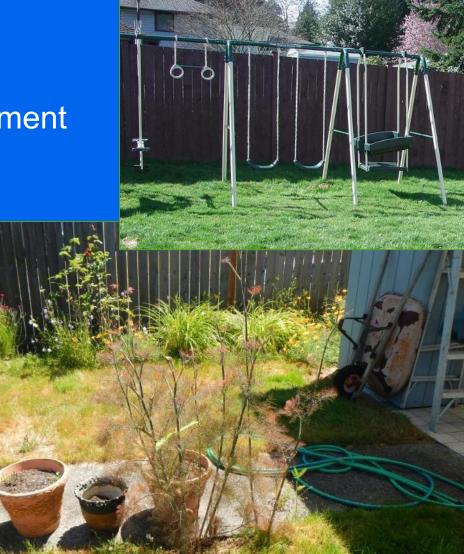
### Soil Replacement- 2020



### **Prepare Yard**

**Clear personal items** 

- Children's play equipment
- Lawn furniture
- Potted plants
- Gardening tools
- Other misc. items



### What to expect during construction

Work hours:

- 8:00 a.m.-5 p.m.
- Monday through Friday

\*Saturdays with permission from Ecology



### **Traffic and Noise**

- Trucks & equipment
- Construction noise
- Cars parked on roads
- Restricted access



### **Maintain Access**

- Driveways
- Side yards
- Gates
- Alleys



### Safety

- Make accommodations for pets.
- Stay out of fenced area and off equipment.
- Call us immediately if you have any safety concerns.



### Contractor **Timeline**





http://ecology.wa.gov/Tacoma-smelter

CONTRACTOR FREQUENCY:

### **Ecology Field Staff**







Amy Hargrove Remediation Manager



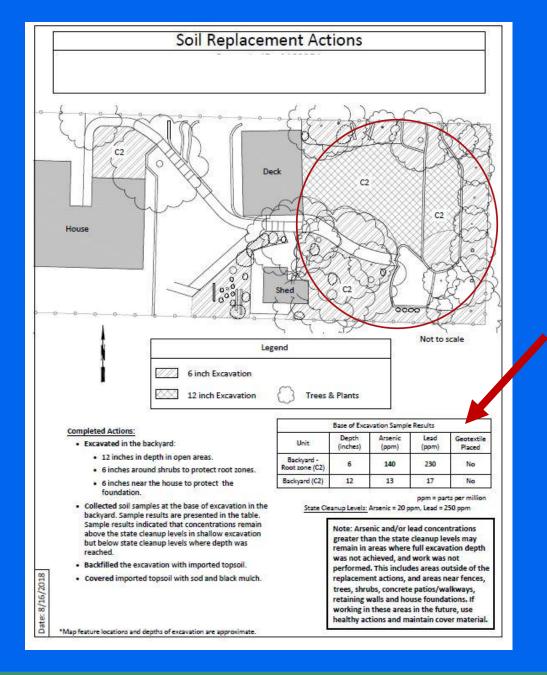
Jackson Barnes Field Oversight Coordinator

### **Soil Replacement Process**



### Soil sampling at the base of excavation





Soil Replacement Actions

	Base of Exca	vation Sample	Results		
Unit	Depth (inches)	Arsenic (ppm)	Lead (ppm)	Geotextile Placed No No	
Backyard - Root zone (C2)	6	140	230		
Backyard (C2)	12	13	17		

ppm = parts per million

State Cleanup Levels: Arsenic = 20 ppm, Lead = 250 ppm

		linenesi	(ppm)	(ppm)	Placed	
<ul> <li>12 inches in depth in open areas.</li> </ul>	Backyard - Root zone (C2)	6	140	230	No	
<ul> <li>6 inches around shrubs to protect root zones.</li> </ul>	Backyard (C2)	12	13	17	No	
<ul> <li>6 inches near the house to protect the foundation.</li> </ul>	backyano (C2)	12	15	1/	NO	
<ul> <li>Collected soil samples at the base of excavation in the backyard. Sample results are presented in the table.</li> </ul>	ppm = parts per millio State Cleanup Levels: Arsenic = 20 ppm, Lead = 250 ppm					
Sample results indicated that concentrations remain above the state cleanup levels in shallow excavation but below state cleanup levels where depth was reached. Backfilled the excavation with imported topsoil.	Note: Arsenic and/or lead concentrations greater than the state cleanup levels may remain in areas where full excavation depti was not achieved, and work was not performed. This includes areas outside of t					
Covered imported topsoil with sod and black mulch.		trees, shru retaining w working in	bs, concret valls and ho these area	and areas ne e patios/wa use foundat s in the futu aintain cove	lkways, tions. If re, use	
*Map feature locations and depths of excavation are approximate.	85		99921. An 1990.	10101010101010	ACCESSION OF A	

### **Soil Replacement Process**

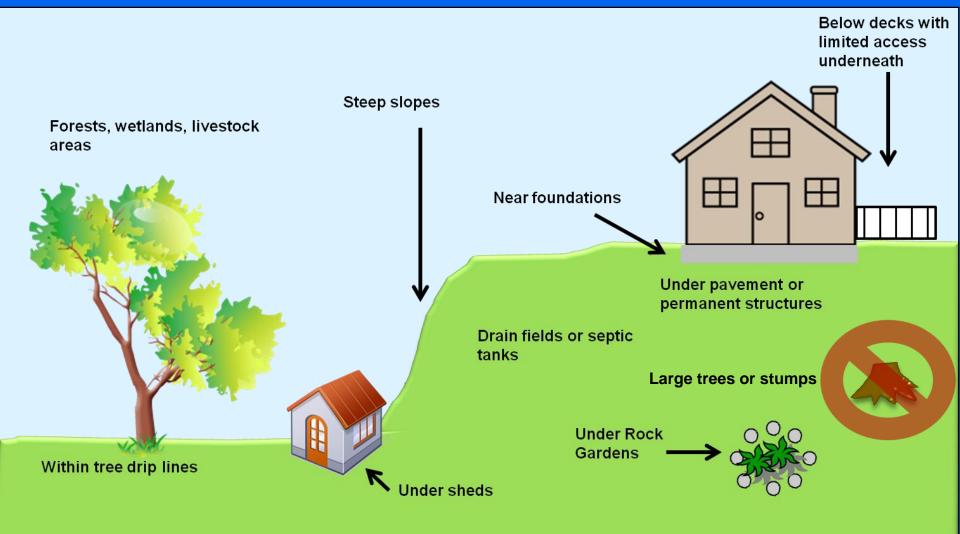








### **Areas that are Excluded**



### **Set-backs**

#### We set-back from:

- Underground storage tanks
- Retaining walls
- Driveways & pathways
- Fences
- Utilities
- Shrubs & plants





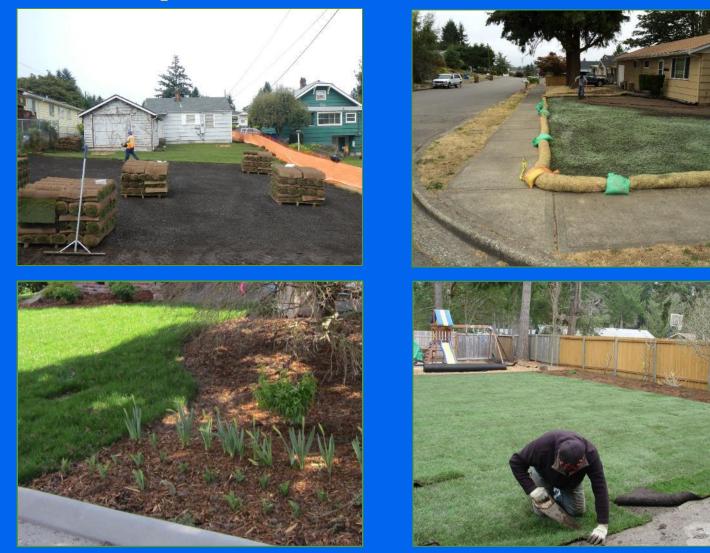
### **Sprinkler Systems**

The contractor is required to protect or restore your sprinkler to pre-construction, working order.





### **Landscape Restoration**



### Landscape Care



#### Call Ecology if you see any of the following:

(360) 407-7688, press 2 for Tacoma Smelter Plume

#### **Puddles on grass**

Check for puddles that last more than 48 hours after a large rain event.



#### Soft or settled soil

After winter rains, check for settled or uneven soil that is softer than the rest of the yard.





#### 60 days

New lawn C is planted la

**Contractor** cares for landscape and lawn.

Homeowner cares for landscape and lawn.

#### **Lawn Care**









### Please call us...

- Dust in the air
- Trash pick-up blocked
- Schedule
- Contractor's actions





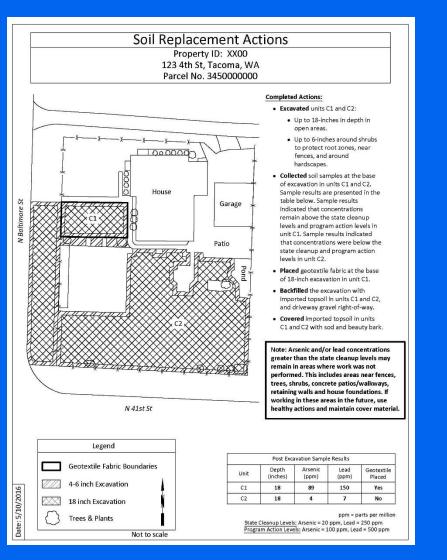
### **Project Line:**

# (360) 407-7688

**Press 2 for Tacoma Smelter Plume** 

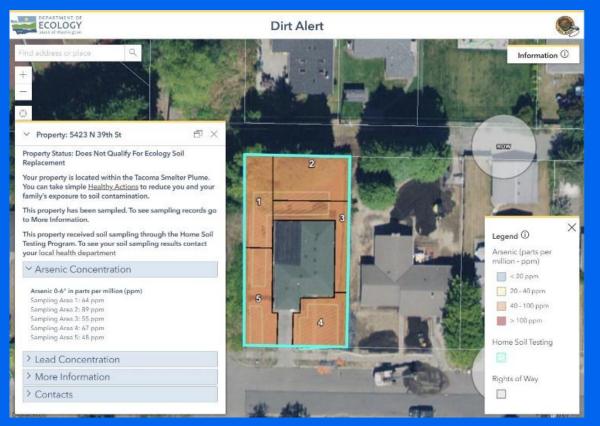
Staff will return all calls within 1 business day

### **Completion Packet**



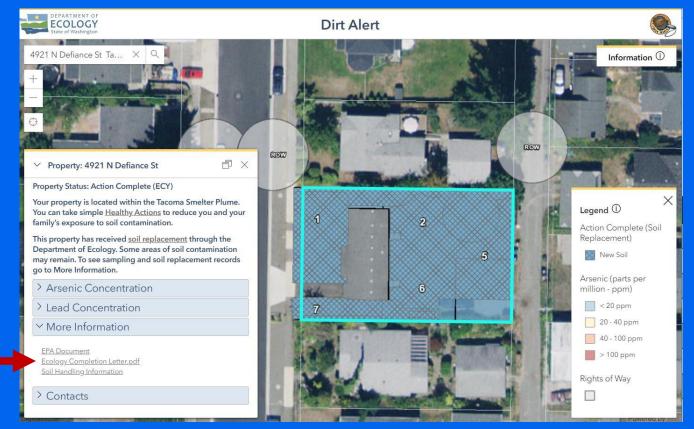
#### Mailed to homeowner. Available on online map and public database.

### **Dirt Alert Map**



# apps.ecology.wa.gov/dirtalert/

### **Dirt Alert Map**



# apps.ecology.wa.gov/dirtalert/

#### Soil Sampling and Health Questions

Contact Glenn Rollins Email: <u>Grollins@tpchd.org</u> Phone: (253) 798-3503



Website: www.tpchd.org/dirtalert

#### Yard Program or Soil Safety Questions

Contact

Amy Hargrove Remediation Manager Email: <u>Amy.Hargrove@ecy.wa.gov</u> Phone: (360) 407-6262

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

# **Questions?**

