

J.H. Baxter Investigation and Cleanup

Investigación y limpieza de J.H. Baxter



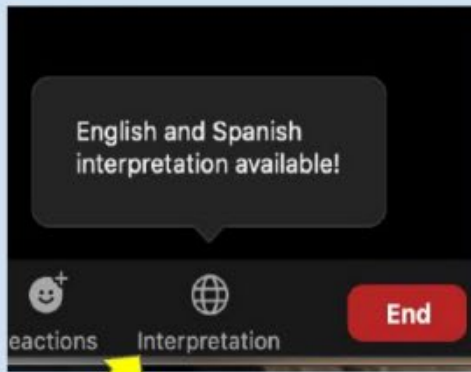
**** Interpretación en español ****

November 13, 2023 | 13 de noviembre de 2023

¡Tenemos un intérprete!

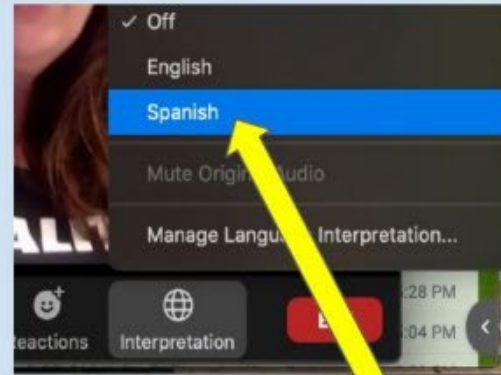
Para escuchar la presentación en español...

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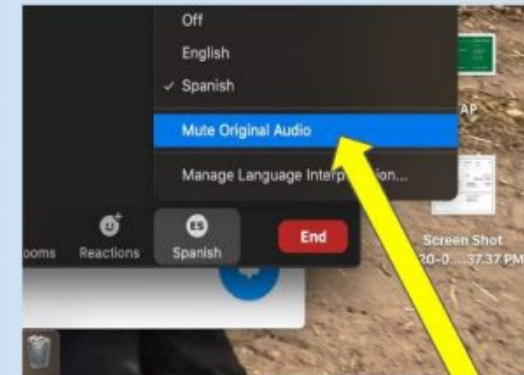
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Seleccione español

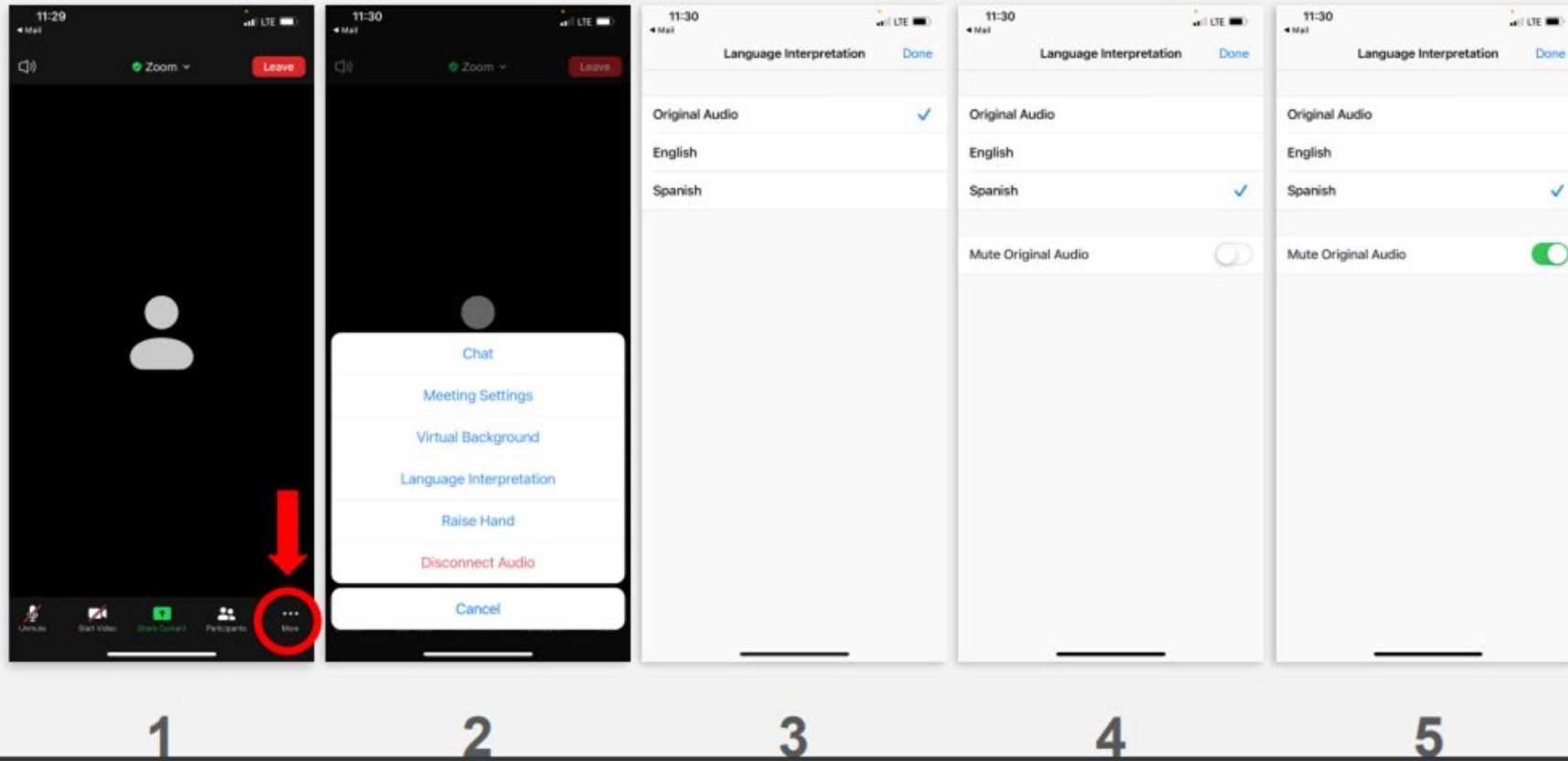
Tres:



Silenciar el audio original

¡Tenemos un intérprete!

Para escuchar la presentación en español...



Agenda/Temario

6:00 Welcome and Introductions/Bienvenida y presentaciones

6:10 Background and Overview of JH Baxter and Agency Engagement/Antecedentes y descripción general de J.H. Baxter y el compromiso de la agencia

6:20 Residential Clean-Up Efforts, Results, and Next Steps/Esfuerzos de limpieza de suelos residenciales, resultados y próximos pasos

6:30 J.H. Baxter Facility Site Investigation Efforts, Results, and Next Steps/Esfuerzos de investigación del sitio de la instalación de J.H. Baxter, resultados y próximos pasos

6:40 Integrated Assessment Purpose and Process/Propósito y proceso de la evaluación integrada

7:00 Question and Answer Session/Sesión de preguntas y respuestas

7:25 Closing/Conclusión

7:30 Adjourn/Cierre de sesión

Core Team / Grupo Central



Tonight's presenters/Presentadores de esta noche



Randy Nattis, U.S. EPA

On scene coordinator



Brad Shultz, Oregon DEQ

**Western Region Clean-up
Manager**

Background and overview/Antecedentes y resumen



Neighborhood yard sampling/Muestreo de jardines vecinales

Initial Residential Sampling

- Late May 2022
 - 22 yards tested
 - 17 yards above 4.7 parts per trillion (ppt)
 - Seven yards above 40 ppt

Muestreo de salida residencial

- Finales de mayo de 2022
 - 22 jardines probados
 - 17 jardines por encima de 4,7 parts per trillón (ppt)
 - Siete jardines por encima de 40 ppt

Neighborhood yard sampling/Muestreo de jardines vecinales

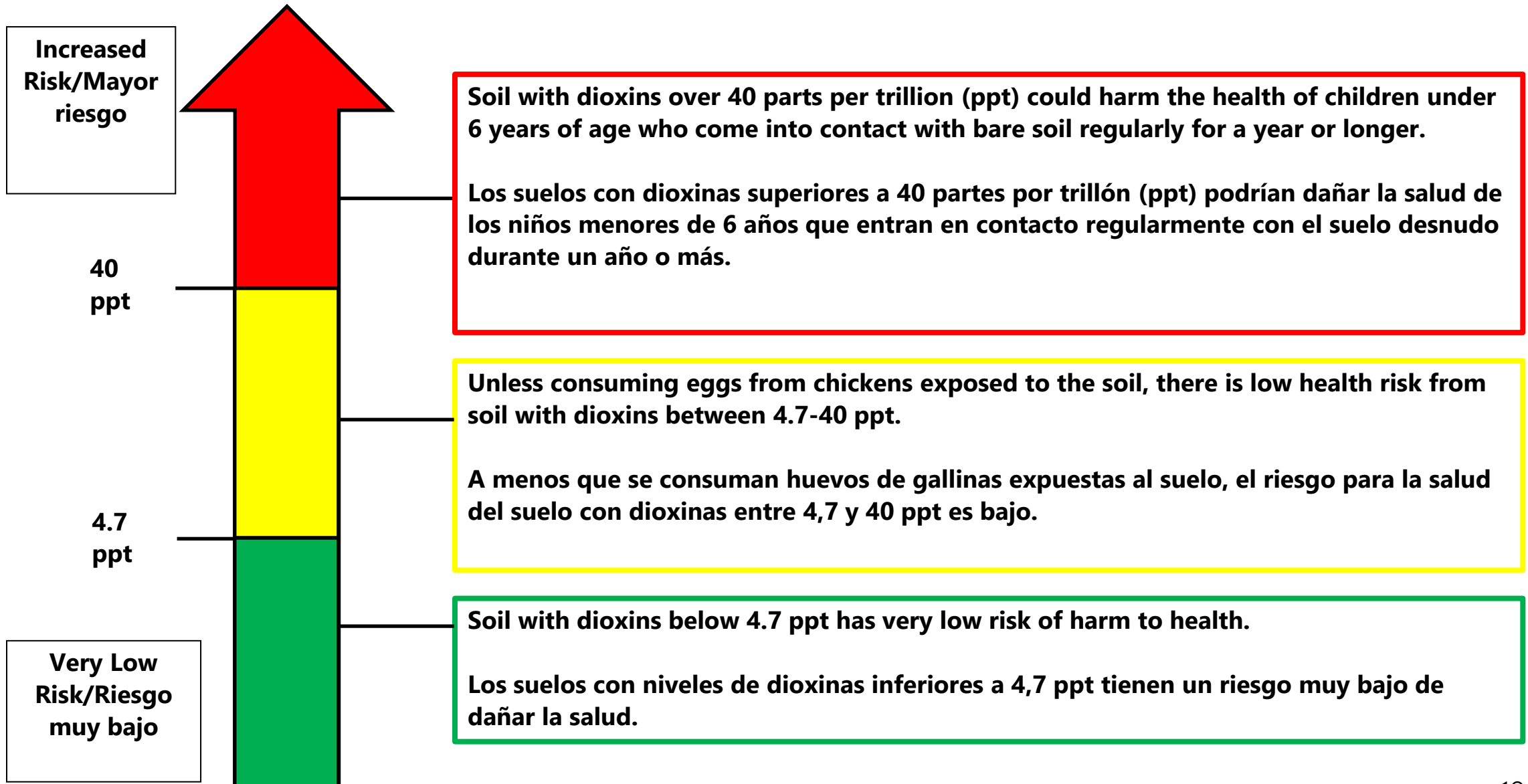
Residential Step Out Sampling

- Early March 2023
 - 32 yards tested
 - 25 yards above 4.7 ppt
 - Four yards above 40 ppt

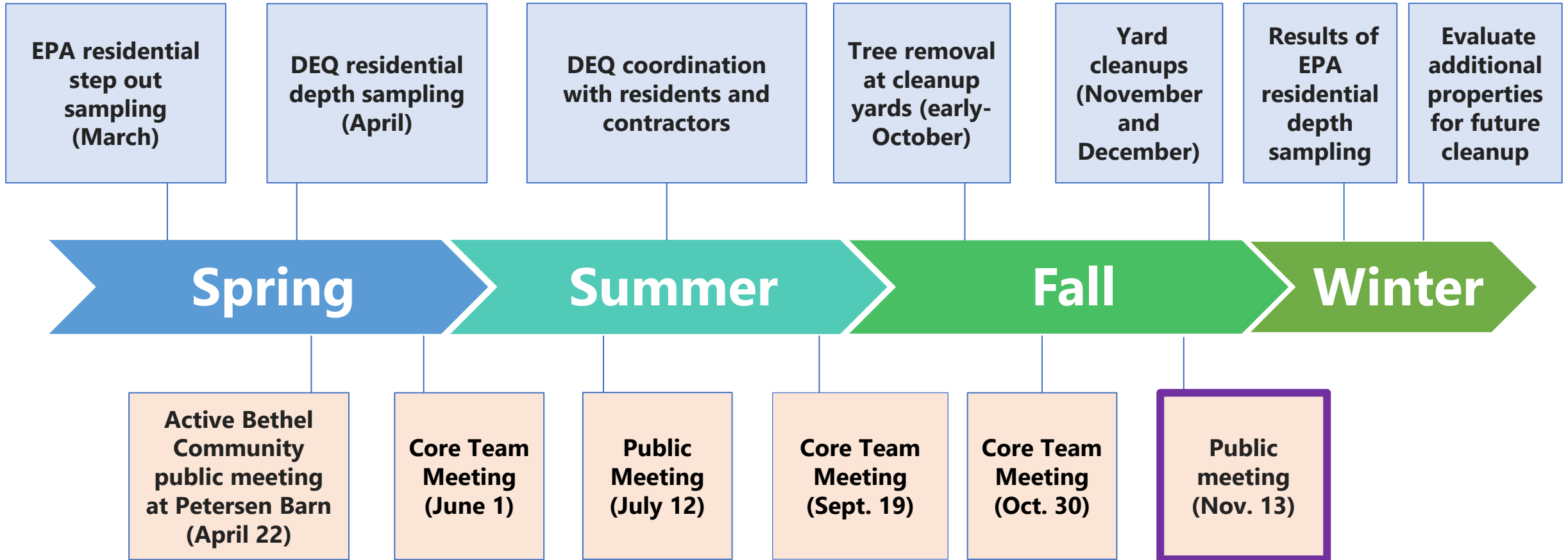
Muestreo de salida residencial

- Principios de marzo de 2023
 - 32 jardines probados
 - 25 jardines por encima de 4,7 ppt
 - Cuatro yardas por encima de 40 ppt

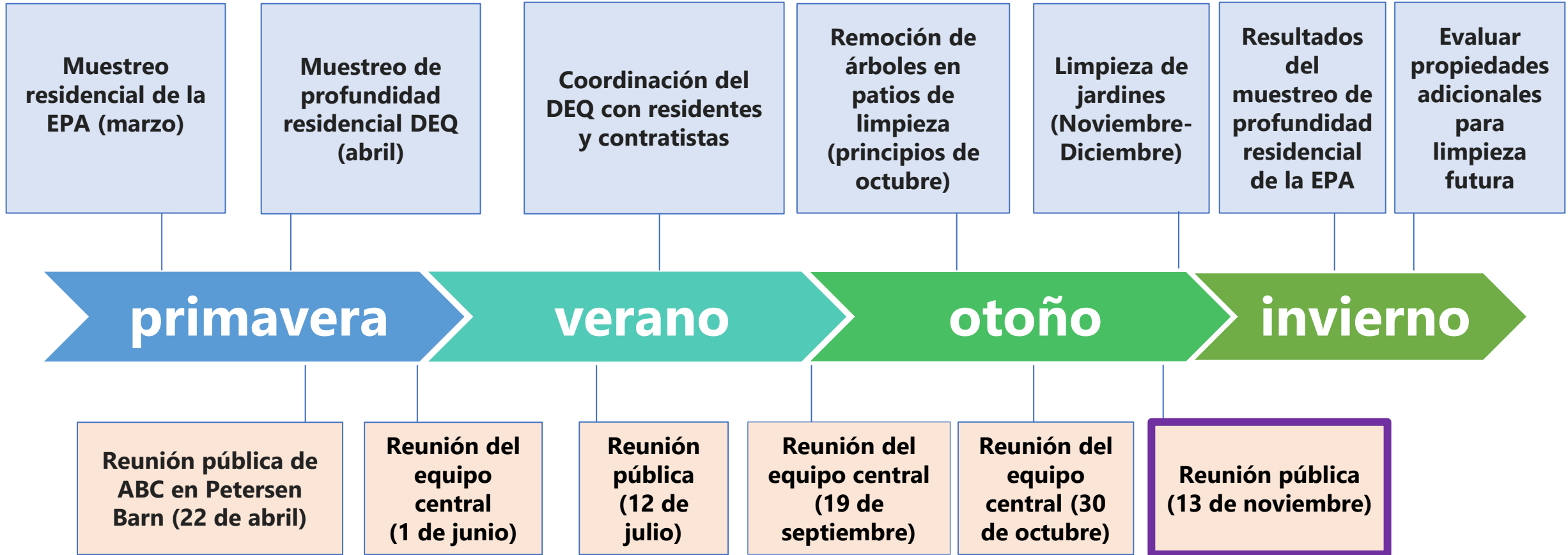
Levels of dioxins in yards/Niveles de dioxinas en patios



DEQ residential cleanup 2023: Completed and planned activities



Limpieza residencial del DEQ 2023: actividades completadas y planificadas



Tree removal/Remoción de árboles



Crews cleared trees and brush in early October./Los equipos talaron árboles y maleza a principios de octubre.



**Before and after./
Antes y después de.**



Next steps for residential cleanup/Próximos pasos para la limpieza residencial



Examples of residential cleanup/Ejemplos de limpieza residencial



SUPERFUND REMOVAL AND REMEDIAL ACTIONS

Superfund Overview

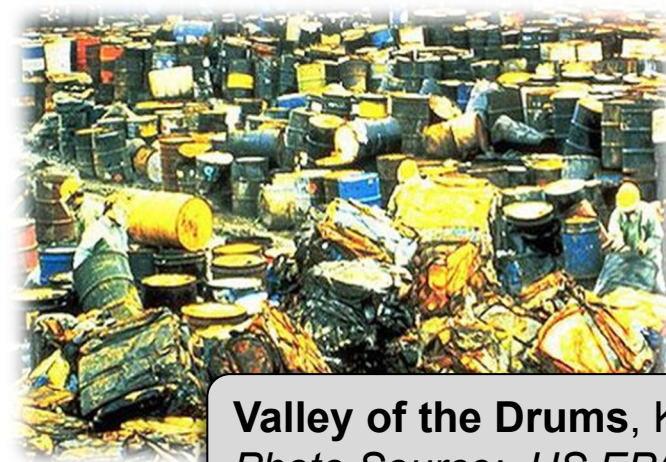
What is 'Superfund'? A law that allows EPA to clean up contaminated sites and forces parties responsible for the contamination to either perform cleanups or reimburse the government for EPA-led cleanup work.



Times Beach, Missouri (1982)
Source: AP1982



Love Canal, Niagara Falls (1979)
Photo Source: The Buffalo News



Valley of the Drums, Kentucky (1981)
Photo Source: US EPA



www.epa.gov/superfund

Superfund Overview



Photo Sources: [EPA](#)

CERCLA

- 1980 – Comprehensive Environmental Response, Compensation, and Liability Act

Commonly referred to as the ‘Superfund law’

- Address the dangers of abandoned or uncontrolled hazardous waste by developing a nationwide program for:
 - emergency response;
 - information gathering and analysis;
 - liability for responsible parties; and
 - site cleanup

Goals of the Superfund Program



Protect human health and the environment by cleaning up contaminated sites;



Make responsible parties pay for cleanup work;



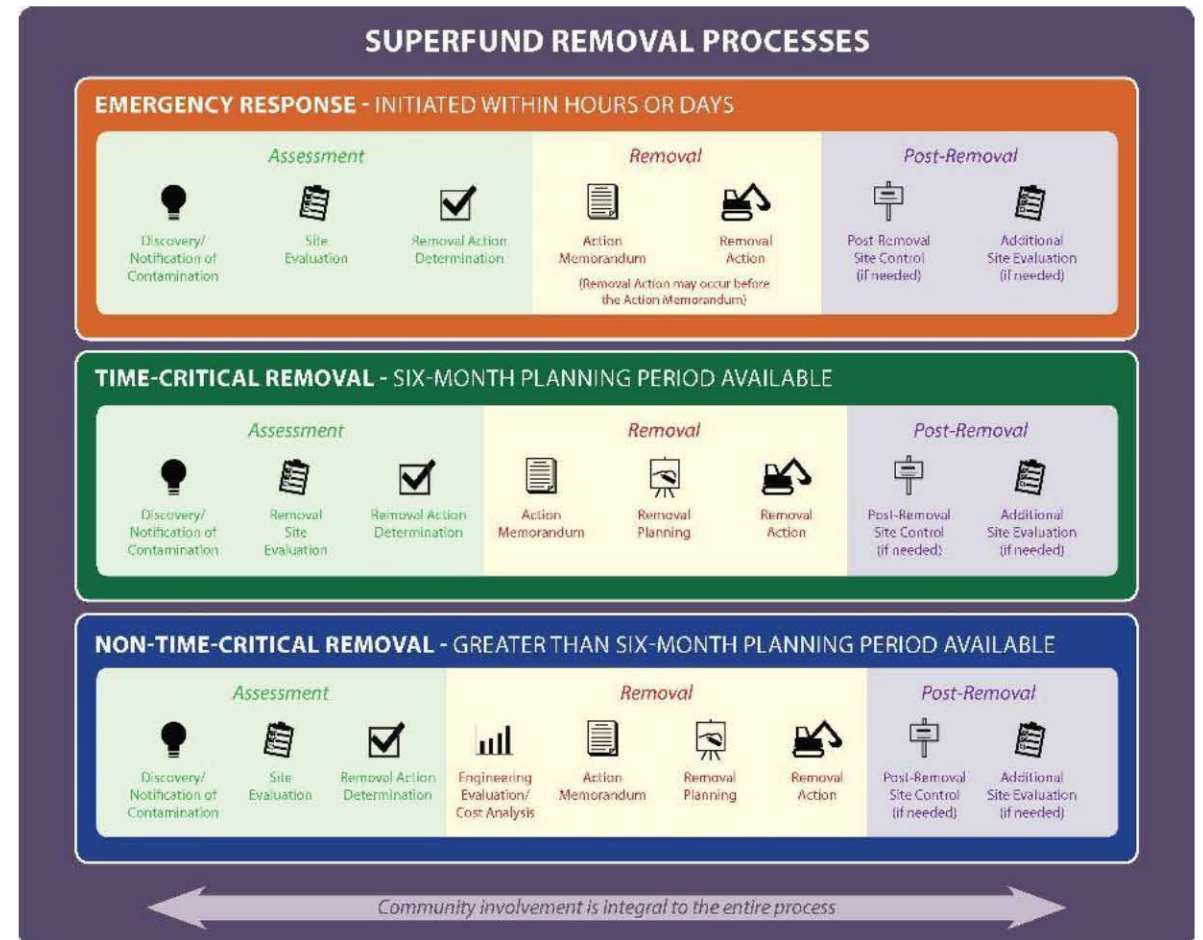
Involve communities in the Superfund process; and



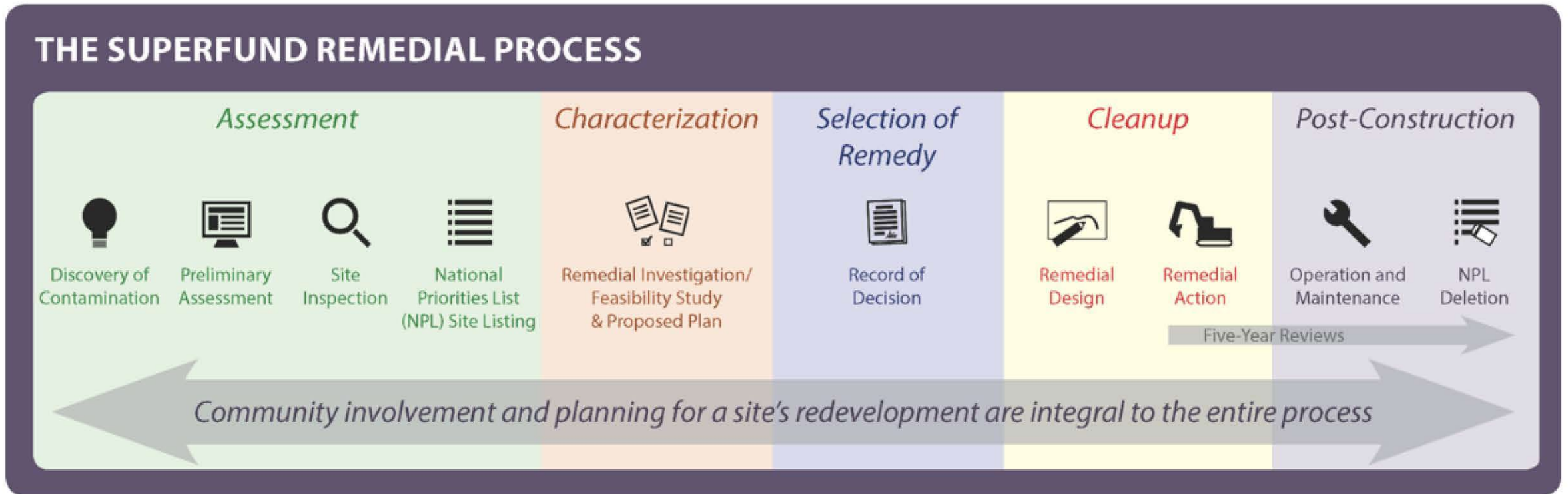
Return Superfund sites to productive use.

EPA SUPERFUND REMOVAL PROCESSES

- Emergency Response
 - Initiated within hours or days
- Time-Critical Removal
 - Six-month planning period available
- Non-Time Critical Removal
 - Greater than six-month planning period available



THE SUPERFUND REMEDIAL PROCESS



Note: Removal actions can occur at any time, including simultaneously.

Community Involvement Plan (CIP)

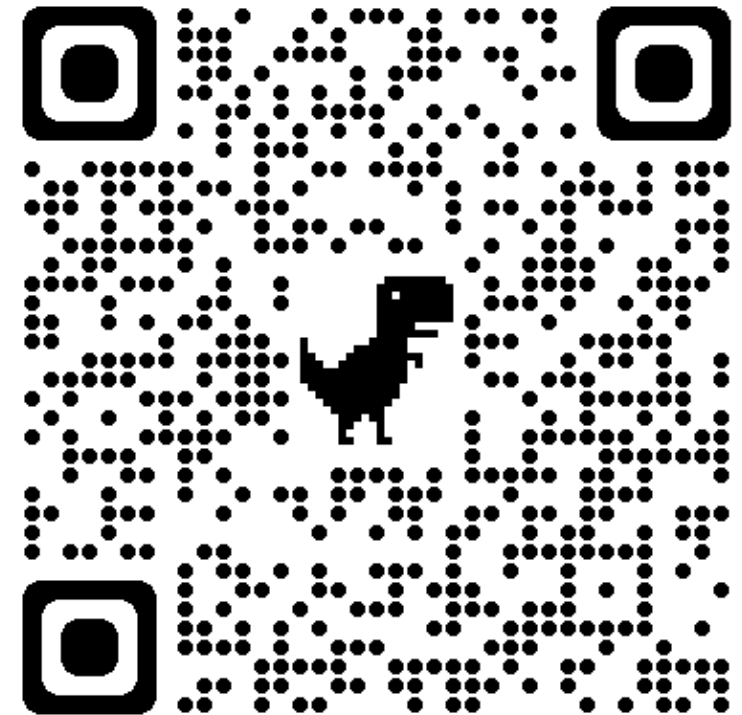
- The CIP outlines EPA's site-specific strategy for **informing** and **engaging** community members in the Superfund process.
- The CIP document typically: Describes the site and the community that lives there. It also lists their questions, concerns, and technical assistance needs.
- **Community interviews** are an essential element of the process for developing the CIP.
- A well-written CIP should enable community members affected by a Superfund site to understand **the ways in which they can participate in decision-making** throughout the process.
- Community feedback on the draft CIP is **encouraged**.

Reuse/Redevelopment

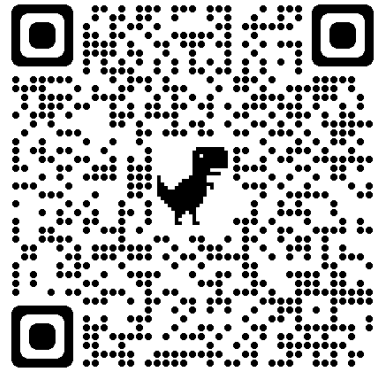
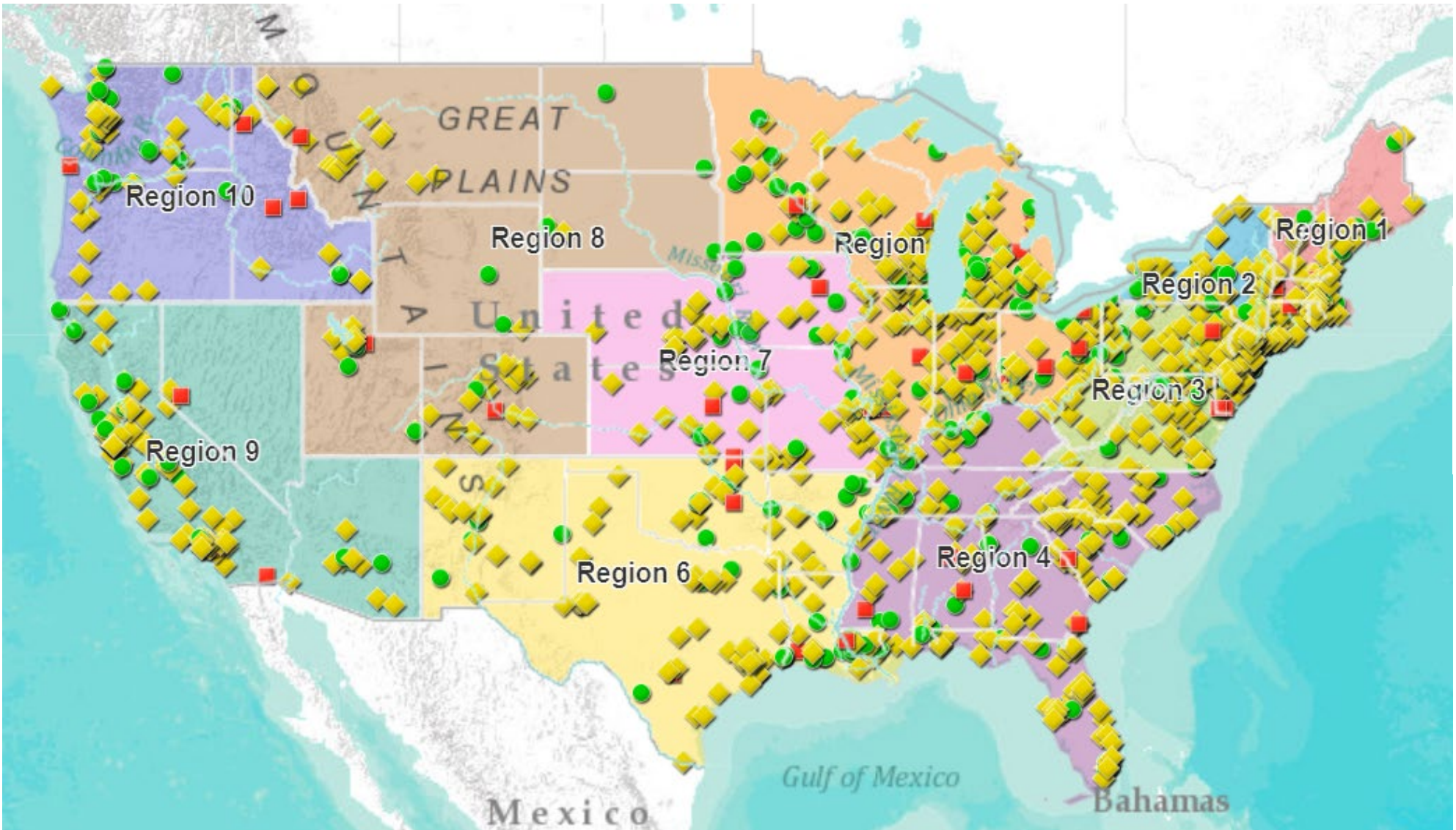
- **Once sites have been cleaned up, EPA works with communities through an array of tools, partnerships, and activities to help to return these sites to productive uses.**
 - These uses can be industrial or commercial, such as factories and shopping malls.
 - Some sites can be used for housing, public works facilities, transportation, and other community infrastructure.
 - Some sites can be for recreational facilities, such as golf courses, parks and ball fields; or for ecological resources, such as wildlife preserves and wetlands.

No matter what use is appropriate for a site, the community benefits from restoring the site to productivity, because the property can once again add to the economic, social, and ecological value of the community.

- **Opportunities for Community Involvement related to Reuse of the Site**
 - Work with EPA, your local government, and your neighbors to plan the redevelopment of the site.
 - Explore the redevelopment tools and resources provided by EPA.
 - www.epa.gov/superfund-redevelopment
 - Be supportive of redevelopment plans once they have been agreed upon.



National Priority List "Superfund" Sites Nationwide



- ◆ NPL Site
- Deleted NPL Site
- Proposed NPL Site

Source: EPA [Superfund National Priorities \(NPL\) Where you Live Map](#)





What is happening - JH Baxter?

- Safety – (Superfund Removal process – Emergency Response)
 - EPA has a 24 / 7 emergency response program with on call duty officers and contract support

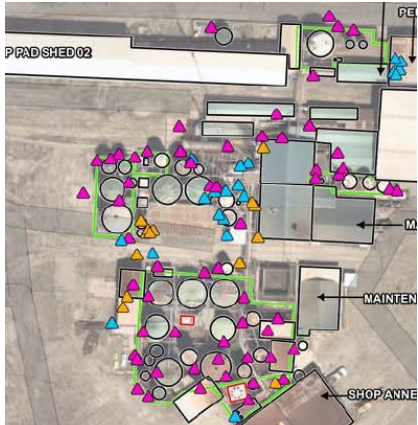


- Tank Farm sampling (Superfund Removal process – Time Critical Removal Action)
- Integrated Sampling (Superfund Remedial process)
- Other activities – Enforcement activities



On-site - Removal Site Evaluation

- Conduct field sampling in Fall 2023 of the JH Baxter facility with a focus on the product and treatment tank farms. This effort will provide the additional data needed to evaluate the need for a Time Critical Removal Action (TCRA).



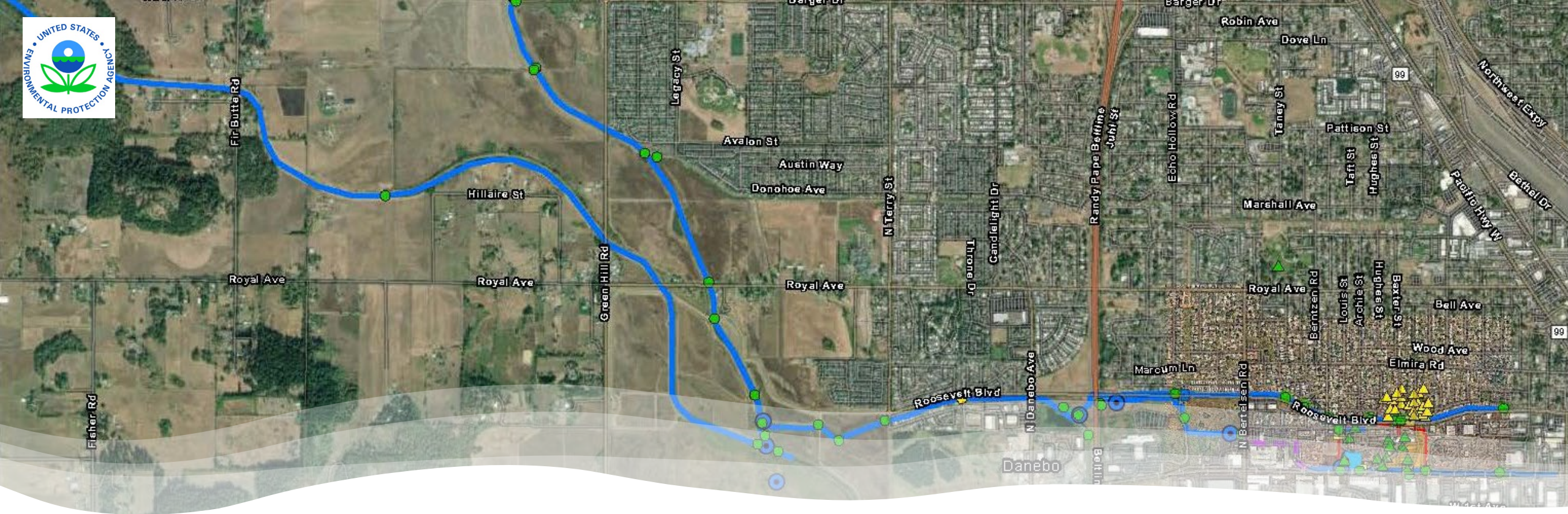
Waste Stream	Waste Stream Group	Estimated Quantity (gallons)	Total Estimated Quantity by Waste Stream Group (gallons)
cal Copper Zinc Arsenate	ACZA (assume product)	137,675	218,763.25
	ACZA Concentrate	58,776	
	ACZA Condensate	254	
	ACZA Mixing Tank	11,630	
	ACZA recovery water	6,175.75	
	ACZA Solution	3,037.5	
rophenol	Tank 50 ACZA Scrubber	1,215	157,983.30
	PCP (assume product)	98,718.80	
	5% Penta	29,287	
	FP-9 Penta	12,325	
	Penta Recovery	17,302.5	
ve product)	Penta Vapor	350	405.50
	Used Diesel Oil	55	
	Used Hydraulic Oil	18	
	Used Oil (other)	332.5	
	Bunker Oil	56,134	
	Diesel Oil	6,000.99	
	Engine Oil	99	
overy	FP9 Oil	7,446	70,065.54
	Hydraulic Oil	233.75	
	Multi Purpose Oil	141.9	
	Stove Oil	9.9	
	50/50 Creo Penta	17046.5	
	Creosote 50/50	22,942	
ter	50/50	32,959.57	48,448.19
	Creo/Penta	82.5	
	Process Waste	47,022.25	
opper quaternary (ACQ)	Penta waste water sludge	1,425.94	10,169.39
	ACQ Solution	8,520.08	
	ACQ Scrubber Water	1,500	
	Copper Oxide Concentrate	149.31	
nonia	Creosote (assume product)	19,137	19,137.00
	Aqua Ammonia (assume product)	3,478.75	
hanolamine Complex	CEA Complex (assume product)	1,320	1,320
	PCP/ACZA	1,100	
			603,901.49

Timeline / Anticipated schedule

March 2023 – Conducted an initial reconnaissance, asbestos survey, and preliminary inventory of the Tank Farm

- June 2023 - Developed a sampling strategy and plan
- September 2023 – Product and treatment tank farm sampling event
- Currently – Developing a SOW and cost estimate for a TCRA
- Winter - Spring 23/24 – Begin TCRA

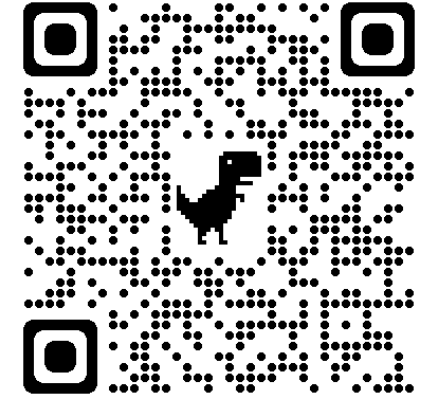




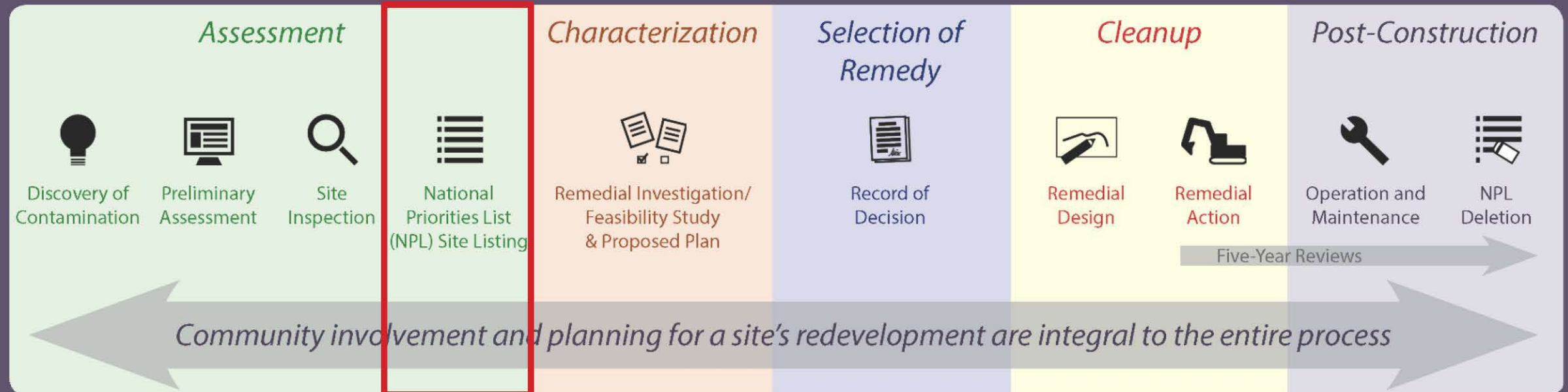
Purpose of Site-Wide Integrated Assessment

- Conduct one field sampling event that provides the data needed to evaluate the eligibility of the site for possible inclusion on the National Priorities List (NPL) and the potential for on-facility removal activities.

ASSESSMENT STEPS



THE SUPERFUND REMEDIAL PROCESS





Questions and answers
preguntas y respuestas

For more information/Para obtener más información

J.H. Baxter StoryMap: ordeq.org/JHBaxter-StoryMap

DEQ

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EPA

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