

Air Alliance Houston Intro and Air Quality Initiatives.



Presenter:
Juan Flores
Director of
Programs



Introduction

Our Vision: Healthy communities with clean air every day, for everyone.

Our Mission: To reduce the public health impacts from air pollution through applied research, education, and advocacy.

Our Core Belief: Everyone has a right to breathe clean air and where you live, work, learn, and play should not determine your health.

Our Commitments:

- Equitable governance and decision-making
- Ethical storytelling
- Racial equity and environmental justice



Our Theory of Change



Research

Inform the narrative through participatory research, modelling, policy analysis, and planning



Education

Build community knowledge and power through the diffusion of information



Advocacy

Create pathways for impacted residents to engage in decision-making

Community Air Monitoring Program (CAMP)

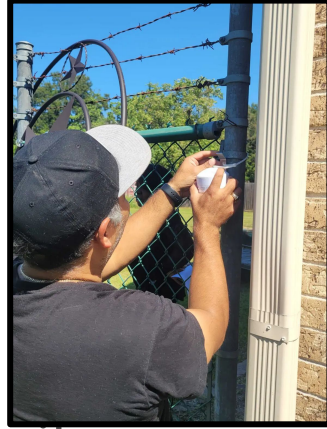
Components

- Stationary monitor networks in nine focus communities: Galena Park/Jacinto City, Kashmere Gardens, Pasadena, Near Northside, East Houston/Settegast, Cloverleaf, Deer Park, Channelview and Baytown.
- Combination of locations: residential homes, community centers, municipal buildings, etc.
- Community residents are recruited and trained to serve as Air Ambassadors who give air quality presentations and more.
- Mobile monitoring events (“Sampling the City”)
- Supplemental monitors placed throughout the region based on community need/concern
- Direct and indirect support to other community networks (Fort Bend Houston, Port Arthur and Houston region.)



Outline of CAMP Program

- Meet with the community.
- Community mapping session.
- Recruit monitor host and install them.
- Hire air ambassadors from the community.
- Educate the community on their network and how to use it.
- Gather data for a year.
- Have a community meeting to share the results.
- Create a community action plan.
- Continue the program and implement the action plan.



Air Monitor Network uses and advantages

- The air monitors are located in the neighborhoods.
- Educate the community how their network can be used.
- Residents can make decisions using the air monitors on going outdoors or dealing with health issues.
- Residents have been using our data to submit complaints and for lawsuits they are involved against industry.
- Have community meeting in each neighborhood to share the results of the data gathered for the one year period.



WHAT IS IN YOUR AIR?

SCAN TO CHECK YOUR NEIGHBORHOOD'S AIR QUALITY.

¿QUÉ HAY EN TU AIRE?

ESCANEE PARA VERIFICAR LA CALIDAD DEL AIRE DE SU VECINDARIO.

CÓ GÌ TRONG KHÔNG KHÍ CỦA BẠN?

QUÉT ĐỂ KIỂM TRA CHẤT LƯỢNG KHÔNG KHÍ Ở KHU VỰC LÂN CẬN CỦA BẠN.



airalliancehouston.org/air-monitoring

@AirAllianceHou

AirAllianceHouston.org

Air Ambassador Program



Getting the community involved:

- Are hired from the communities they work and receive an hourly wage.
- They go through a training which includes topics such as pollution, health effects, how air monitors work and tools they can use to teach their communities about their networks.
- They go back into their communities to teach and inform their communities about our program.
- They help us install, maintain the air monitoring network and more.

Sampling the City



- Bike ride organized in CAMP communities and surrounding areas.
- Bike riders wear small air monitors and take readings as they travel.
- Kid bike ride is also organized so the whole family can be involved.
- The readings are then analyzed and shared back with the community.
- The community gets air quality data, learn bike safety, exercise and have fun.
- The community gets air quality data, learn bike safety, exercise and have fun.



SAMPLING THE *city*

GALENA PARK / JACINTO CITY

SATURDAY, NOV 1, 2025 | 8:00 AM

**1721 16TH STREET
GALENA PARK, TX**

RIDE LENGTH: 5 MILES

WE WILL BE MONITORING THESE AIR POLLUTANTS:

- VOLATILE ORGANIC COMPOUNDS (VOCs)
- NITROGEN OXIDES (NO_x)
- PARTICULATE MATTER (PM)



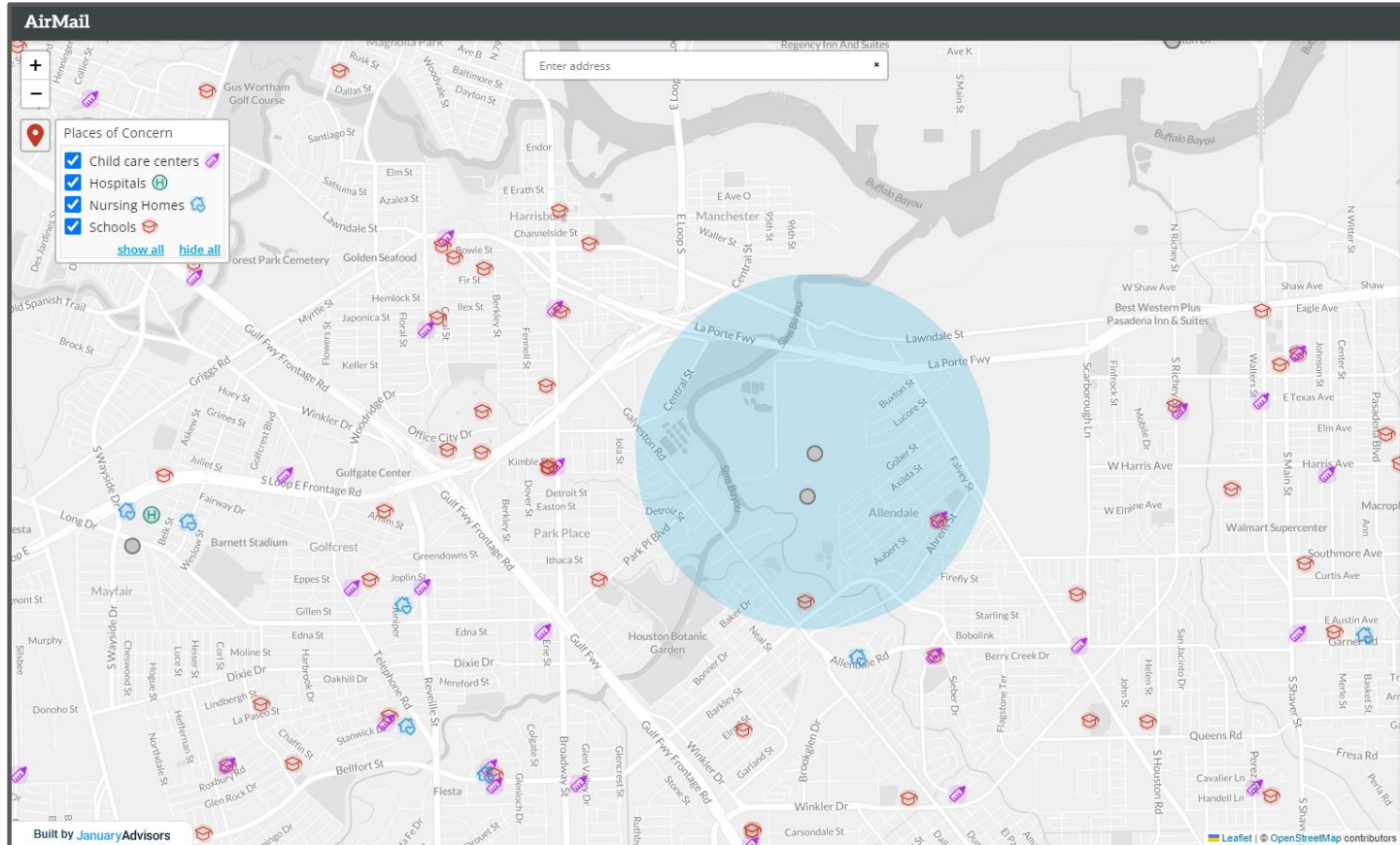
REGISTER AT [TINYURL.COM/STC-NOV-1](https://tinyurl.com/stc-nov-1)



AirMail

Everyone has a right to breathe clean air.

What is it?



Houston Plant

8600 Park Place Blvd in Houston, Harris County, Texas 77017

Principal: TPC GROUP LLC, CN603624289

Type: Petro/Refineries/Chemical, General/Misc ([view codes](#))

Residences within one mile: 2095

Places of concern within one mile: 3

[View Notice PDF](#)

[Facility History](#) ?

[Show more notice details](#) >

Number of Residences in Area

Use the slider below to adjust the size of the circle on the map & calculate the number of residences in the circle's area.

Selected radius: **1 mile**



There are approximately **2095** residences within 1 mile of this facility.

There are also **3** child care centers, hospitals, nursing homes, and schools within 1 mile of this facility. Click the pin icon on the map to view the locations of these places of concern.

[Download mail merge CSV](#)

[Download residence addresses](#)

Say NO to pollution and safety risks in YOUR neighborhood!

⚠️ TAKE ACTION! ¡TOME ACCIÓN! ⚠️

¡Diga NO a la contaminación y a los riesgos de seguridad en SU vecindario!



Air Alliance Houston is sending you this notice because living in close proximity of the proposed facility may give you the right to contest the permit.

Air Alliance Houston le envía este aviso porque al vivir en proximidad a la instalación propuesta puede darle derecho a impugnar el permiso.

TPC GROUP LLC, CN603624289 is applying for a Federal Operating Permit renewal from the Texas Commission for Environmental Quality (TCEQ) for a petrochemical plant at 8600 Park Place Blvd in Houston, Harris County, Texas 77017 (Permit number 1598).

Petrochemical facilities release toxic air pollution that can harm your health, increasing the risk of asthma, cancers, birth defects, and neurological and cardiovascular damage.

TPC GROUP LLC, CN603624289 está solicitando renovación de su Permiso Federal de Operación de la Comisión de Calidad Ambiental de Texas (TCEQ, por sus siglas en inglés) para una planta petroquímica en 8600 Park Place Blvd in Houston, Harris County, Texas 77017 (número de permiso 1598).

Las instalaciones petroquímicas liberan contaminación atmosférica tóxica que puede dañar su salud, aumentando el riesgo de asma, cánceres, defectos de nacimiento y daños neurológicos y cardiovasculares.

Everyone has a right to breathe clean air.



Act now to protect your neighborhood!
¡Actúe ahora para proteger su vecindario!

Submit public comments to the TCEQ regarding this permit application AND speak to your State Representative, Mary Ann Perez at 713-740-8153 and State Senator, Carol Alvarado at 512-463-0106 to request a public meeting by November 9, 2023. The TCEQ must organize a public meeting at the request of local State legislators.

Haga comentarios públicos a la TCEQ con respecto a esta solicitud de permiso Y hable con su representante estatal, Mary Ann Perez al 713-740-8153 y con el senador estatal Carol Alvarado al 512-463-0106 para solicitar una reunión pública antes del 9 de noviembre de 2023. La TCEQ debe organizar una reunión pública a petición de los legisladores estatales locales.



Everyone has a right to breathe clean air.

Air Alliance Houston can assist you in creating comments and may be able to support/represent you if you are interested in challenging this permit. For more information, please leave us a message at 713.528.3779, or visit tinyurl.com/airmail-petrochem, or scan the QR code.

Air Alliance Houston puede ayudarle a crear comentarios y quizá pueda apoyarle/representarle si está interesado en impugnar este permiso. Para más información, déjenos un mensaje al 713.528.3779, o visite tinyurl.com/airmail-petrochem, o escanee el código QR.

Air Alliance Houston is a 501(c)(3) non-profit organization working to reduce the public health impacts from air pollution and advance environmental justice.

Air Alliance Houston es una organización sin fines de lucro 501(c)(3) que trabaja para reducir los impactos de la contaminación del aire en la salud pública y promover la justicia ambiental.





<https://airalliancehouston.org/>

Call Juan Flores: 713-553-6351