

**Auston Transfer &
Processing, LLC**



The Auston / GETH Scrap Tire Processing Solution

**Public Information Meeting
September 5, 2017**

*“Pioneering the practical, economical, low emissions
cleanup of the environment”*

A Game Changing Team

✧ **Auston Transfer & Processing LLC (Auston)**

- Dawn Peery, Managing Member
- John Peery, Member
- Marc H. Shaener – Strategic Adviser
- Jeff Blomquist, Legal Counsel – Permits

✧ **Green EnviroTech Holdings Corp. (GETH)**

- Chris Bowers, CEO
- Gary De Laurentiis, Chairman
- Jim Klein, VP Engineering
- Charles Cronin, VP Carbon Sales
- Wayne Leggett, VP Finance
- Nick Drobac, Project Management



Who is Auston Transfer & Processing?

- A member of the Harford County business community since 2001
- We collect and shred scrap tires from county residents and businesses
- We have held a MDE Scrap Tire Recycling permit since 2001
- In addition, we hold a MDE Construction and Demolition Debris Permit to collect and separate construction and demolition debris

**Auston Transfer &
Processing, LLC**

Where is Auston's Facility Located?



Auston Transfer & Processing is located at 1202 Pauls Lane, in Joppa - one half mile southwest of the 95 / 152 interchange.

10,000 sq. ft. Auston Bldg.

Auston lg. staging pad

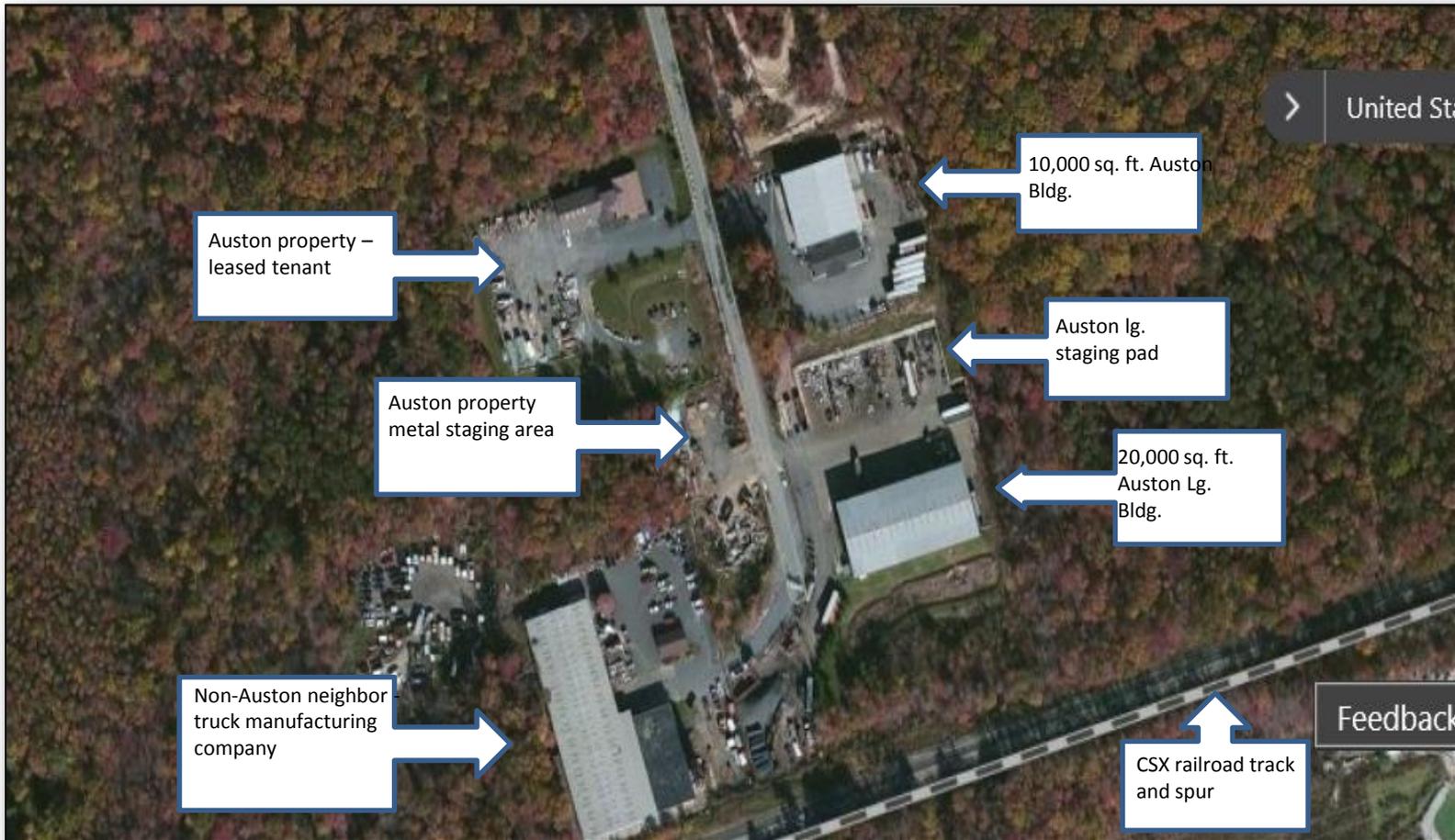
20,000 sq. ft. Auston Lg. Bldg.

Auston property – leased tenant

Auston property metal staging area

Non-Auston neighbor truck manufacturing company

CSX railroad track and spur



Who is Green EnviroTech?

Green EnviroTech Holdings Corporation (OTC: GETH) is a publicly traded California-based pioneer in the green technology arena. We integrate and commercialize proven technologies, and pioneer new proprietary technologies to convert waste into valuable products, which helps to protect the planet, create local jobs and stimulate economic growth in the communities where we do business.

The GETH Waste Tire Conversion System breaks down scrap tires into their constituent parts and recovers high grade “blend stock” oil, valuable carbon black and scrap steel using electric pyrolysis. Green EnviroTech was founded in 2008 by Gary De Laurentiis, a 30 year industry veteran and award-winning plastic recycling process designer.



What Brought These Two Companies Together?

Historically, **Auston** was able to dispose of its scrap tire inventory at the Harford waste-to-energy facility and by sending the surplus to out-of-state landfills. The Harford facility has since closed, and landfill capacity is rapidly dwindling and will soon be unavailable. Tire recyclers across the country are facing similar disposal challenges so the secondary market is saturated and can provide no assistance.

A partnership with **Green EnviroTech** would provide a long-term and environmentally sustainable solution to the scrap tire disposal dilemma while bringing good paying jobs to the community.

Game Changing Companies

Auston Tire

- MDE Scrap Tire Recycling Permit
- MDE Construction & Demolition Debris Processing Permit
- Approved Facility in Harford County SWMP since 2001

Green EnviroTech Holdings

- Technology Development
- Plant Construction
- Plant Operation

BHP Engineering and Construction

- Process Engineering and Process Modeling
- Material, Energy Balances
- Mechanical and Piping
- Instrumentation and Process Automation
- Civil Structural

Schneider Electric

- Building management System Services
- Critical Power and Cooling Services
- Electrical Distribution Services
- Industrial Automation Services
- Digital Security Services

GETH Tire Pyrolysis System

- ❖ Our proprietary process:
 - Controlled batch electric pyrolysis, distillation, clarification and chloride filter, and thermal oxidation processes
- ❖ Processes tire feedstock into high-quality/high-value end products:
 - 'Brent Crude' equivalent – 45% or 3 barrels per ton of tires
 - Carbon black – 36% or 700 lbs. per ton of tires
 - Steel – 11% or 220 lbs. per ton of tires
 - Syngas – 8% or 180 lbs. per ton of tires
- ❖ Processing Capability certified by a third-party “performance certification”



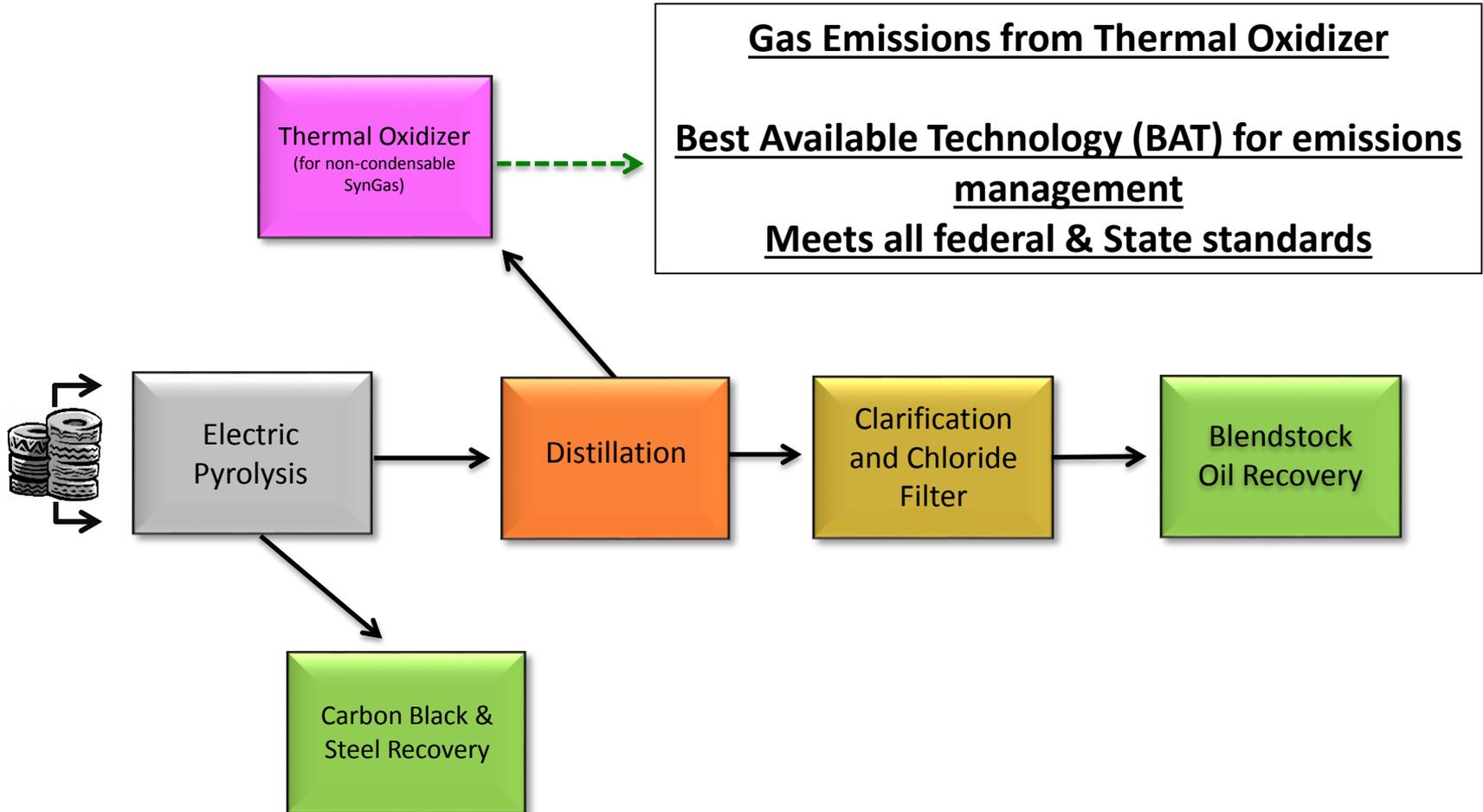
The GETH Proprietary System

GETH's Used Tire Pyrolysis Systems



- Supported by a 10-year operating history with 8 commercial plants in operation globally (1 Brazil, 3 China, 1 Thailand, 3 Malaysia)
- Uniquely uses finite controlled electric heat - not gas heat
- Produces products that are significantly superior in quality & value to those produced by gas fired systems (carbon, oil & steel)
- Feedstock agreements, offtake agreements and process certifications are all in place which greatly mitigates operational risk

GETH Process Flow Diagram



Air Emissions

There are two primary sources of emissions from the GETH Waste Tire Solution process;

1. Non-condensable gases from the primary stage pyrolysis step pass through a thermal oxidizer

- The primary advantages of the Aereon CEB 500 ultra-low emissions thermal oxidizer are that they produce no odor, no smoke, and no soot
- They also include low column height, no visible flame, compact footprint and a 99.99% VOC destruction rate.



The Aereon CEB 500 ultra-low emissions thermal oxidizer

2. Fugitive dust emissions from carbon black transfer system is controlled by vacuum air equipment

- This includes three Schenck AVRC Pulse Jet dust filters that capture 99.9% of the airborne carbon particulate
- These low-volume dust emissions control systems are very quiet and only move about as much air as your typical stove-top exhaust system



The Schenck AVRC Pulse Jet Filter

Both systems meet all state (MDE) and federal (EPA) clean air standards and represent the best available technology

Solid and Liquid Waste Streams

Our solid waste stream will consist of the following materials;

- Spent catalyst = 12.5 tons per year
- Saturated silica = 275 tons per year
- Spent caustic = 1500 lbs. per year

Our liquid waste stream will consist solely of oily wash water = 2100 gallons per year



Solid and liquid waste materials will be securely stored indoors and removed from the premises on a monthly basis by specially permitted haulers and taken to licensed disposal contractors.

Traffic Impacts

How will this project impact our roads?



In-bound feedstock

- Tires: equivalent to 16 container trucks per day, 5.5 days a week



Out-bound end products

- Oil: 3 oil tanker trucks per day, 5 days a week
- Carbon black: 2 container trucks per day, 5 days a week
- Steel: 3 container trucks per week



Employees

- Approximately 20 to 25 passenger cars per day, 7 days a week

Noise Levels and Odors



While no commercial/industrial process is without some noise and some odor, ours will be contained within our buildings and will meet all OSHA/MOSHA standards

Vented air from the process floor will be filtered before release and will meet all state (MDE) and federal (EPA) emissions regulations.



Enhanced Value to Harford County



- >\$25 million in private capital investment
- Net increase of between 20 - 30 full-time new jobs
- Improved financial performance for Harford County owned businesses
- Increase in commercial tax base
- Mitigation of a growing used tire disposal problem in the County/State (35,000 tons of scrap tires/year processed)
- Demonstrate commercial & environmental leadership
- Create a “Center of Excellence” for Harford County where peer counties & schools/universities can learn about the County’s environmentally superior process

Current Project Status

✧ **MDE Permits & County Zoning**

- Harford County SWMP – **Auston** (completed)
- Harford County C/I zoning – **Auston** (in process – HC P&Z has determined that this is an appropriate use in CI Zoning District)
- MDE Reissuance of Scrap Tire Recycling Permit – **Auston** (in process)
- MDE air permit/minor source of emissions – **GETH & Auston** (in process - public information stage)



Auston & GETH Venture

- Benefit to the global environment because it reuses a waste product and eliminates the need for extraction of the earth's resources as raw materials.
- Creates manufacturing jobs in the USA – brings jobs back to the USA
- Supports Governor Hogan's June 17, 2017 Executive Order (No. 01.01.2017.13) calling for reduction of waste through sustainable materials management practices.

Questions or Comments

