

# Pasadena Citizens' Advisory Council

## State of the Plants Report

February 28, 2023

### AFTON CHEMICAL

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#### Highlights from 2022

- No OSHA reportable/recordable and no fire
- No major regulatory noncompliance
- In August 2022, Achieved 1 million hours without any lost time due to any injury or incident
- Received 4 awards from Texas Chemical Council and American Chemistry Council for Safety performance and waste reduction
- Received CSX railroad's chemical safety award for rail shipment
- Achieved second best production volume in the plant history
- Completed several major capital projects and mechanical integrity inspection on schedule
- No major incident/ release from December freeze due to proactive preparation

#### Goals and Plans for 2023

- Achieving Vision of Zero
- Completing critical EHS projects on schedule
- Continue with debottlenecking activities and production trials.
- No major expansion or major TA activities is expected.

### AIR PRODUCTS

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#### 2022 Achievements

- Hit our goal of 0 Safety Incidents 2023

#### 2023 Goals and Plans

- More community outreach / Events – planted 800 trees on their property in 2021 and expect to do more
- Plant Improvements
- Commission new plant (Baytown but part of our team's responsibilities)
- 0 Safety incidents

### ALBEMARLE

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#### Comment

- No expansions, closures, or changes in the products, priorities, or performance.

## 2022 Achievements

- HSE Milestones achieved: 3 years with no recordable injuries & 1 year without reportable environmental incident

## 2023 Goals

- We continue to invest in safety & infrastructure improvements with planned upgrades to communication, electrical, and control systems.

## BASF

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### 2022 Highlights

- No work related injuries in 2022.
- Hosted middle school tech program students.
- Safely completed a 10 million dollar turnaround.
- Supported community activities – high school baseball team, toy drive, McDonald invitational basketball tournament.
- Launched 3 additional employee resource groups to support diversity and inclusion in the workforce.

### 2023 Goals

- Reduce Title V deviations by 20%
- Zero recordable injuries
- Kick off our Exposure reduction process (behavioral based safety program)
- Focus on fatigue management to ensure proper work life balance.
- Finalize scope for 2024 turnaround to drive continuous improvement of safety, reliability and efficiency targets.

## CHEVRON PASADENA REFINERY

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### 2022 Achievements

- Significant reduction in air emission events and reporting issues in 2022 v. 2021
- Completion of multiple agency inspections with no major findings (waste, discharge elimination, leak detection, spill prevention)
- Decommissioning of unreliable process units
- Corporate (funding) and regulatory (permit) approval of Light Tight Oil project
- Strong start on LTO construction
- Supported Pasadena ISD Robotics program, Armand Bayou Stem Lab, Community Gardens, Project IMPACT (future leader program) Pasadena Food Drive, Precinct2 Together Turkey giveaway and Pasadena Blue Santa among other community partnerships.

Light tight oil (LTO), also called tight oil or shale oil is a low-density crude oil found in geological formations such as shale or tight sandstone.

Texas has a world-class supply in the Permian and Eagle Ford basins

- Refinery safety and environmental benefits
  - Reduces permitted emissions
  - Improves process safety
  - Removes historically unreliable units
- Facility value improvements
  - Increases processing capacity of lighter crudes to 125,000 barrels per day
  - Adds product flexibility

## 2023 Goals and Plans

- Daily business
  - Ongoing focus on safe, reliable operations
- LTO project
  - Complete final design engineering
  - Complete early construction work (demolition, exploratory excavation, etc.)
  - Build foundations and pipe racks
  - Fabricate and install pipes
  - Continue to minimize impact on community

## CHEVRON PHILLIPS CHEMICAL

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### 2022 Achievements

- Achieved 6 1/2 + years with zero Tier 1 or Tier 2 Process Safety events
- Achieved 19 consecutive months with zero Environmental Reportable Events
- Reduced environmental Title V deviations for 4<sup>th</sup> consecutive year
- Reduced reported emissions by 60 tons/year through higher accuracy LDAR monitoring
- Began conducting Human Performance training workshops, and began using Artificial Intelligence to help assess and mitigate ergonomic risks.
- Improved reliability of plant equipment enabling the plant to achieve multiple production records.

### 2023 Goals & Plans

- Partner with Contractors and continue implementation of ergonomic AI tool to reduce injuries
- Formalize positive recognition for safe behaviors and use of Stop Work Responsibility
- Enhance the Walk the Line focus
- Continue to advance projects that reduce the plant's environmental footprint

## ENTERPRISE PRODUCTS

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### 2022 Accomplishments

- No recordable incidents for 2022.
- No lost time incidents for 2022.

- December Freeze Event: No incidents recorded during this time period. Learned from 2021 freeze and brought in full staff for 2023 freeze.
- Welcomed five (5) new trainees to the Terminal team - hired 4Q2022. These trainees are funneled to other Enterprise plants.

## 2023 Goals and Plans

- Goals:
  - Continue good streak of no loss time/recordable incidents.
  - Continue good practices for minimization of impact to environment.
  - Increase presence in Emergency Response Team membership.
  - Increase in community involvement activities beyond blood drive.
- Plans:
  - Sept. 2023 TAR: Month long outage

## ETHYL

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### Highlights from 2022

- No OSHA reportable/recordable and no fire
- No major regulatory noncompliance
- Achieved Sam Mannan process safety award
- No major incident/ release from December freeze due to proactive preparation

### 2023 Goals and Plans

- Achieve Vision of Zero, and no major expansion or turnaround activities is expected.

## EVONIK

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### Site Overview

- This site has ~50 direct Evonik employees and 10 in-house contractors.
- It produces specialty chemicals supporting the polyurethane industry.
- These components are used in the manufacture of various everyday products like foam insulation, memory foam and athletic shoe soles.

### 2022 Performance

- The performance of the site in 2022 had 2 main focuses:
  - 1 – Build upon our excellent safety culture
  - 2 – Realize production rate improvements without sacrificing quality
- We did experience a recordable injury, unfortunately. This accident occurred when an employee was walking in a non-production area. They stepped in a way that caused a slight knee injury. Over time, this injury needed further treatment, which made it a recordable injury. The area where this employee stepped was immediately repaved, following the initial incident.

- The site saw production records broken for almost every product. Through technical improvements, the site saw a significant decrease in unplanned downtime as well.

## 2023 Outlook

- 2023 will be a similar year to 2022, with some CAPEX involved to make incremental improvements to our production throughput.
- No expansion projects are planned, at this point.
- We will have our annual turnaround in April and expect this to be the only planned downtime due to high demand for our products in the market.

## GULF COAST AUTHORITY

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### Site Overview

- Gulf Coast Authority (GCA) is a political subdivision of the State of Texas and therefore does not generate a profit.
- Our industrial dischargers pay for our services.
- The Washburn Tunnel Facility is a regional wastewater treatment plant providing treatment services to refineries, chemical plants, terminals, hauled in wastes, and the City of Pasadena.
- We have 30 employees at the facility among the operations, maintenance and administrative staff.

### 2022 Achievements

- The Washburn Tunnel Facility received a Peak Performance Gold Award from the National Association of Clean Water Agencies for 2021 performance. To date, we anticipate being eligible to apply for another Peak Performance Award for 2022.
- We have completed 12 months with no reportable or recordable injuries.
- GCA will continue our robust incident reporting program and learn from near misses within our organization and the organizations that report in this meeting.

### 2023 Goals and Plans

- No major expansions or changes are currently planned for the site. We continue our focus of providing safe, compliant, reliable and cost-effective treatment services.
- We will continue our support of the Trash Bash event at Sims Bayou on March 25, 2023.

## INEOS PHENOL

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### 2022 Highlights

- Safety - 11 years without an employee OSHA recordable injury
- Environment - New focus on Sustainability projects
- Community - School supply drive for local school – over \$2000 in supplies
- Community - Thanksgiving dinner for 10 underprivileged families at partner school

### 2023 Goals

- Continued First-In-Class Safety Record through employee participation and focus on “White Noise”

- ISCC+ Certification
  - INEOS commitment to move to net-zero Carbon by 2050
- Increase community commitment by continuing our partnership with schools
- No TAR (turnaround)/Expansions planned for 2023

ITC -- no response

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## KINDER MORGAN EXPORT TERMINAL (KMET)

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### 2022 Achievements

- KMET employees worked 40,795 hours in 2022 without any injuries and contractor on site worked 15,798 hours without any injuries for a combined total of 56,593 hours injury free.
- Furthermore, KMET has marked six years injury free as of January 1, 2023 for a total of 2,190 days.
- We have loaded well over 16,000,000 barrels of product over our docks without any recordable spills; this includes roughly 300 barges/vessels combined.
- In September, we collaborated with Houston Wilderness Society and planted roughly 750 trees on site.

### 2023 Goals

- We expect to continue our trend in no recordable injuries or spills in 2023 while delivering product safely to our customers.

## KINDER MORGAN PASADENA TERMINAL

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### 2022 Achievements

- Terminal Throughput: Marine throughput is equivalent to 4.5% of all Gulf Coast Consumption. Pipeline throughput is equivalent to 20.44% of all Gulf Coast Consumption.
- Renewed Title V permit.
- Planted 3300 trees, donated \$50,000 to Pasadena ISD, and began increasing participation in CACs, LEPCs, and Channel Industry Mutual Air

### 2023 Goals

- Reducing CO2 Emissions on Houston Ship Channel
  - Adding 5 Vapor Recovery Units at Galena Park and Pasadena terminals
  - \$64 million project
  - 3Q 2023 in-service target
  - Expect project to reduce Scope 1 and 2 emissions by ~34,000 metric tonnes CO2e per year, or ~38% from 2019.
    - Equivalent to CO2 emissions from
      - 3,860,547 gallons of gasoline consumed
      - 37,920,818 pounds of coal burned
      - 6,232 homes of electricity use for one year

- Focusing on employee retention by increasing engagement with them, including family festivals at the regional headquarters on Beltway 8
- Working

## LYONDELLBASELL HOUSTON REFINERY (HRO)

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### 2022 Achievements

- HRO's recordable injury rate for 2022 was 0.00.
- HRO reached 3MM Safe Work Hours in November and On December 1st, HRO achieved a great milestone! We went one year (365 days) without a recordable Injury (and still counting). One year of everyone working in our refinery making it home safely to their family and the people that are counting on them every day!

### Goals for 2023

- Protect our employees and community
- Maintain Reliable Operations

### Plans for 2023 and beyond

- As previously shared, we are exiting the refining business by 12/31/2023.

## NEXT WAVE ENERGY PARTNERS

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### 2022 Achievements

- Hired most of our operations team and started building out the maintenance team.
- Our Emergency Response Team attended 3,881 hours of training in 2022.
- Next Wave ended the year without an OSHA TRIR rate of zero.
- We are proud that Next Wave has not had a recordable incident in the history of the company.
- During the year construction staffing grew from ~400 to ~1000 contractors.

### 2023 Goals and Plans

- In 2023 we will complete construction, commission, and bring the facility into production.

## OXY CHEM PASADENA PVC

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### State of the Plant

- The plant fared well during the recent arctic freeze. We shut down and prepped the plant based on lessons learned during Winter Storm Uri to minimize impact. We did have some damage, but far less than in 2021.
- The plant is at typical production rates and plans are to stay at those rates throughout 2023.

### 2022 Achievements

- OSHA VPP Recertification Approval. First VPP plant on ship channel. 9<sup>th</sup> recertification.

- TCC Caring for Texas Award
- TCC Dr. Sam Mannan Award for Zero Process Safety Incidents
- TCC Zero Incident Rate
- Contractor Onsite Emergency Service Drill – Rescue Drill Inside Dryer
- IC/EOC Training completion by TEEX
- \$11 MM spent on Health, Environment, Safety, and Security (HES&S) Improvements via Capital Projects completed
- 18 months with no environmental incidents.
- Hired 31 employees. (*NOTE: this comment led to discussion of the challenges of retaining young workers who tend to move around to maximize earnings rather than spend their careers with one company.*)

## 2023 Goals and Plans

- Continue to place an enhanced focus on the Plant HES&S Steering Committee, Community Relations and Employee engagement activities.
- Continue to improve the plant operations by ensuring technical, maintenance and production teams are focused on the right priorities to reduce risk and improve reliability.
- Continue an increased capital investment focus on maintaining and improving key assets within the plant.
- Developing 1, 3, 5 year strategic plans.

## SEKISUI

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### 2022 Achievements

- Sekisui is proud of its Safety record. There were Zero OSHA Recordable Injuries in 2022. The last recordable injury was May 2018 (4 years, 8 months)
- Unfortunately, there were 3 RQ events (Methyl Acetate is not listed as a HAP so it has a default RQ of 100 lbs). Corrective actions have been put in place and we are continuing to work on projects to prevent reoccurrence.
- Sekisui participated in the Annual Trash Bash and donated to the Pasadena “Can Do Food Drive” and Toys for Tots last year.
- In August 2022 Sekisui announced we will be starting feasibility studies for the expansion of its PVOH supply by as much as 25%.

### 2023 Goals and Plans

- Continue our expansion feasibility study as well as creating ways to reduce our CO2 emission footprint.
- Additionally, we will be preparing for our full site-wide outage in the Spring of 2024.