

**January 11, 2021**  
**CAC Meeting**  
**Approved Meeting Notes**

Development Committee Report

- New Facebook Page update and newsletter with blurb about the CAC as new member/community outreach.
- The Committee would like to have more external speakers.
- Committee is working on member recruitment and retention.

Flint Hills Resource Updates (Safety/Environmental/Public)

- Process Safety
  - No issues to report.
- Personal Safety
  - 2 reportables
    - An employee hit their head on a scaffold causing them to fall down the stairs and is expected to make a full recovery at home.
      - We are doing deeper analysis to see what we can do differently. The scaffold has since been removed.
    - A contractor stepped on a 2x4 causing their leg to shift and causing pain in their right knee. They did physical therapy and might need a follow up surgery.
- Environmental Safety
  - Typical metrics with flaring.
  - We installed a new technology in 2019- ATS Unit.
    - There was more hydrocarbon than anticipated. Our team has made process adjustments that have reduced hydrocarbon.
    - We are also working on an engineering project to add an emissions trap.
    - There will be continuous monitoring of the unit while working with the MPCA to ensure transparency.
    - We will keep reporting on this at CAC meetings
  - FHR awarded EPA Energy Star
  - FHR purchased tanks at Wescott terminal - doing some right of way clean up (brush and trees). Working with landowners. Landowners happy with it, you might see it going on.

- Public Relations
  - Annual community report going is out this week, will mention CAC.
  - Wildlife habitat conservation certification received for Pine Bend Bluffs Project

Presentation: PCA Monitoring

Michael Smith, Air Monitoring Supervisor, Air Monitoring Unit, MPCA

Derek Nagel, Data Analysis, Air Data Analysis Unit, MPCA

Kurt Anderson, Air Monitoring Coordinator, Air Monitoring Unit, MPCA

- A copy of the PowerPoint from tonight will be provided to CAC members.
- Updated monitoring stations for locations 420, 423, and 443 (3 stations closest to the refinery).
- All the air pollutants at those locations that are being tested are well below the standard.
- CAC members noted that the three stations are often upwind from FHR. There are no plans to add stations, however that could happen in the future.

Presentation: FHR Historical Overview through present times

Geoff Glasrud, Vice President and Manufacturing Manager

- After the spill in the 1990's HR worked to implement better practices and policies to align with Koch's vision and to ensure that environmental health and safety is ingrained in the business strategy.
- Koch's Vision:
  - Ensure workplace safety
  - Improve energy efficiency
  - Reduce water use
  - Manage our land
  - Minimize our waste
  - Openly communicate
  - Engage our communities
- FHR's four pillars of sustainability
  - Environmental and product stewardship
  - Resource management and energy efficiency
  - Product and process innovations
  - Employee and community investment
- Pine Bend Community Engagement
  - Providing information through community updates
  - Putting information on website to ensure transparency
  - Offering tours of the Refinery
  - Having dialogue with community members about issues

- Management Systems
  - EHS Compliance Management System Elements applied to EHS Compliance Management Programs (Programs where plant manager owns the results)
  
- Applying Technology- Leak Detection Sensor Network (LDSN)
  - Disruptive technology- 1st in industry
  - Developed in partnership with the EPA & Molex
  - Sensors + Data Analytics
  - Trialed at Corpus Christi refinery
  - Key Bets:
    - 24/7/365 real time monitoring down to ppb levels
    - Reduce emissions
    - Augments our safety capability
    - Improves work efficiency
  
- LDAR in the Past
  - People in the process unit (PSM)
  - Time Based
  - 98% of time spent not finding anything
  - High human dependency performing repetitive task- 240,000 components monitoring 80,000 per month
  
- FHR is evaluating solar energy
  - Reaching out to key strategic partners for potential solar project
  - Formal request for proposal
  - What else can go on buffer property to make more energy efficient
  - A lot of solar tech would be on buffer property
  - Possibly 1-2 years

#### Next Steps

- Social Media updates- guidelines have been established, what's next?
- Next meeting is on 2/8/2021 and the topic is community engagement.