

DRAFT MEETING NOTES

Community Advisory Council Meeting
Date & Location: Monday, January 14, 2019
Flint Hills Pine Bend Refinery
6:00 PM – 8:30 PM

CAC Members Present: William Nelson, Bonnie Anderson Rons, Rose Marie Ratzlaff, Gary Lothenbach, Richard Thill, Tom Bullington, Amy Lemieux, Kevin Green, Donna Willis, Jim Hagerty, William Klein, John Scott (FHR), Heather Rein (FHR), Geoff Glasrud (FHR), Susan Titel (FHR).

CAC Members Absent: Randy Rowan, Ron Elmquist, Lyndon Nelson, Anna Brenna, Jack Morrison

Guest Presenters: Chris Koerner (FHR)-Air Quality & Monitoring, John Zimmerman (FHR), Jason Reitzel (FHR), Graham Johnson (FHR)

Meeting Facilitated by: Aimee Gourlay, Mediation Center

Documentation by: Judi Miller, Mediation Center

1. OPENING CAC COMMENTS

- CAC Community Member Liaison updates: There were no updates

CAC Business

- Membership Selection Time
 - Looking for Volunteers to form a Committee
 - Volunteered: Anna Brenna, John Scott
- Requested comments on the postcard-CAC logo updated to be clearer and no longer blurry-Reformatted by the Designer
- Will be updating website before postcards go out. Postcards to CAC members for recruiting
- Discussion on a location for upcoming meetings-offsite of FHR—Aimee will check on possibilities-Rosemount City Hall, DCTC?
- No April Meeting (April 8, 2019) as we prepare for the upcoming Membership Selection for the next terms.

2. Flint Hills Resources Update

Geoff Glasrud and Susan Titel provided FHR's updates

FHR Process Safety and Environmental Update

FHR Personal Safety Update: Susan Titel

- Burn to foot-above and beyond first aid
- Strain to the left knee

- Pain in back while getting off of equipment
- Numbers are up on personal, recordable injuries-and are mostly strains
- FHR is working on what they can do on the Wellness side

Environmental Project Update

- ATS excess emissions—difficulty controlling emissions while making the product. Reportable quantities of ammonia and NH₃/H₂S
- SRU-(Sulphur Recovery Unit) tube failure in a reaction furnace. It was contained but it resulted in a reportable quantity of H₂S and SO₂ being emitted--no injuries but they may need more control points
- Initial inspection indicates thinning in tube—investigating potential cause for corrosion
- Third party developed new technology and is working to address
- Process for emergency—shift manager makes notifications, when they may hit reportable quantities right away, connect with national response center, county, 911 call to get ahead of it. Those sources then report to the public (there was a tweet from Eagan PD about this event). Courtesy calls to Mayors, FHR should include CAC also for awareness.

3. FHR Community Programming Update, Heather Rein, Koch/FHR

- Science Museum—30 schools involved around the community
- 1500 students involved at the Museum for the camp-in in Mar/Apr
- MN Zoo STEM juried contest is underway
- Girls in Science event will be traveling to Iowa in January
- Government shutdown—has no impact on the safety of the plant-closing our consent decree from many years ago has stopped

4. FHR Air Quality Presentation-Chris Koerner

- Fence Line Monitoring for Benzene—data will be available in mid-2019 and we will see this reported on the PCA website (pca.state.mn.us)
- We have 17 sample sites around the refinery to measure “fugitive emissions”, those which come from small leaks rather than a source point
- FHR pays MPCA to analyze the data to be sure we are meeting the air quality standards.
- 3 shelters placed around the Refinery based on wind direction. FHR owns the shelters; the state owns the equipment. We have updated the sampling shelters to be state of the art.

5. FHR Electrical and Instrumentation Mechanical Integrity Presentations

John Zimmerman (FHR)-Electrical Reliability

Jason Reitzel (FHR), Machinery Reliability Manager

Graham Johnson (FHR), Fixed Equipment Reliability Engineer Lead

Mechanical Integrity—one of OSHA's 14 element of process safety—installed correctly and operating correctly. Keep process in the pipe, keep it running safely, if all else fails, bring it into a safe state.

Electrical Reliability

- Backup power in case of power failure. Last long enough to bring FHR to a safe state.
- Alarms-over 900 in the system-separate from process control. Point is to get early indication of any concerns to be able to address them before it is unsafe.
- Alarms focused on health and safety for acute problems, clear the area.
- Automated shutdown system-shuts down if a problem is sensed.
- Redundant system, all have backup. Separate from process control. Not linked to internet.
- Qualified operators are in the plant all the time. Engineers are on call any time.

Machine Reliability

- Machines add the energy which moves fluid through the plant.
- We use compressors (gas/vapor), pumps (liquid), and turbines (drives compressors and pumps).
- Test to be sure we are using the correct metallurgy.
- Example program—machinery vibration monitoring-catch problems early.
- People walk portable rounds to measure vibration. Newer technology is magnetic measurement of vibration which sends a measurement every 30 minutes. We are currently adding more of this technology.
- Another example, high powered machines, constant monitoring with critical alarms.
- Another example, trip and throttle valve. Shuts down turbines. Ongoing testing to make sure the valve is working.

Fixed Equipment

- Everything you can see from the street.
- Over 20,000 unique assets at FHR.

- External assessments and screening to keep the equipment safe.
- Proactive shut down (industry term is “turn around”), inspection, testing and upgrades.
- Follow industry standards, participate in professional associations.
- Meeting was adjourned at 8:30 pm.

NEXT CAC MEETING

Date: February 11, 2019

Time: 6:00 PM – 8:30 PM

Location: TBD-Aimee Gourlay is searching for a suitable community location