

Welcome!

Hello! I'm Mike and I love STEM!

- Master's student in Applied Math
- Grew up in Hawaii and Colorado
- Chemical Engineer for 10 years
 - University Research - Wound-healing polymer
 - Start up - Carbon capture systems
 - Chevron – Making automotive chemical products
 - Natural Gas – Designing, building and running natural gas facilities
- Interested in process design, material science, remote sensing (satellites)
- My favorite thing about STEM: DIVERSITY!

Hobbies!

Climbing



Backcountry Skiing



Travel



(more Climbing...)



Oneida (Oni)

Family!

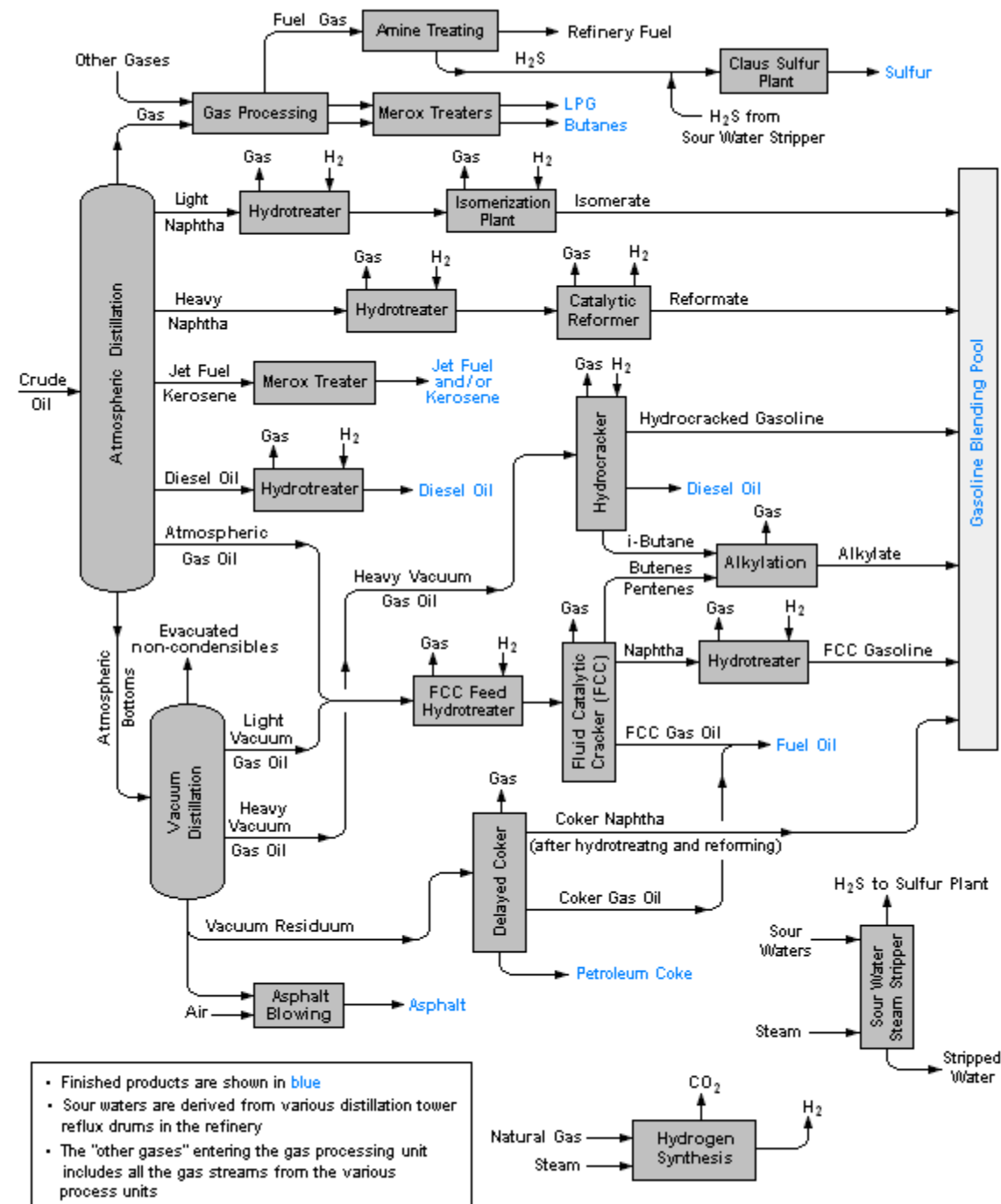


Hannah

Hannah's First Job: Richmond Refinery

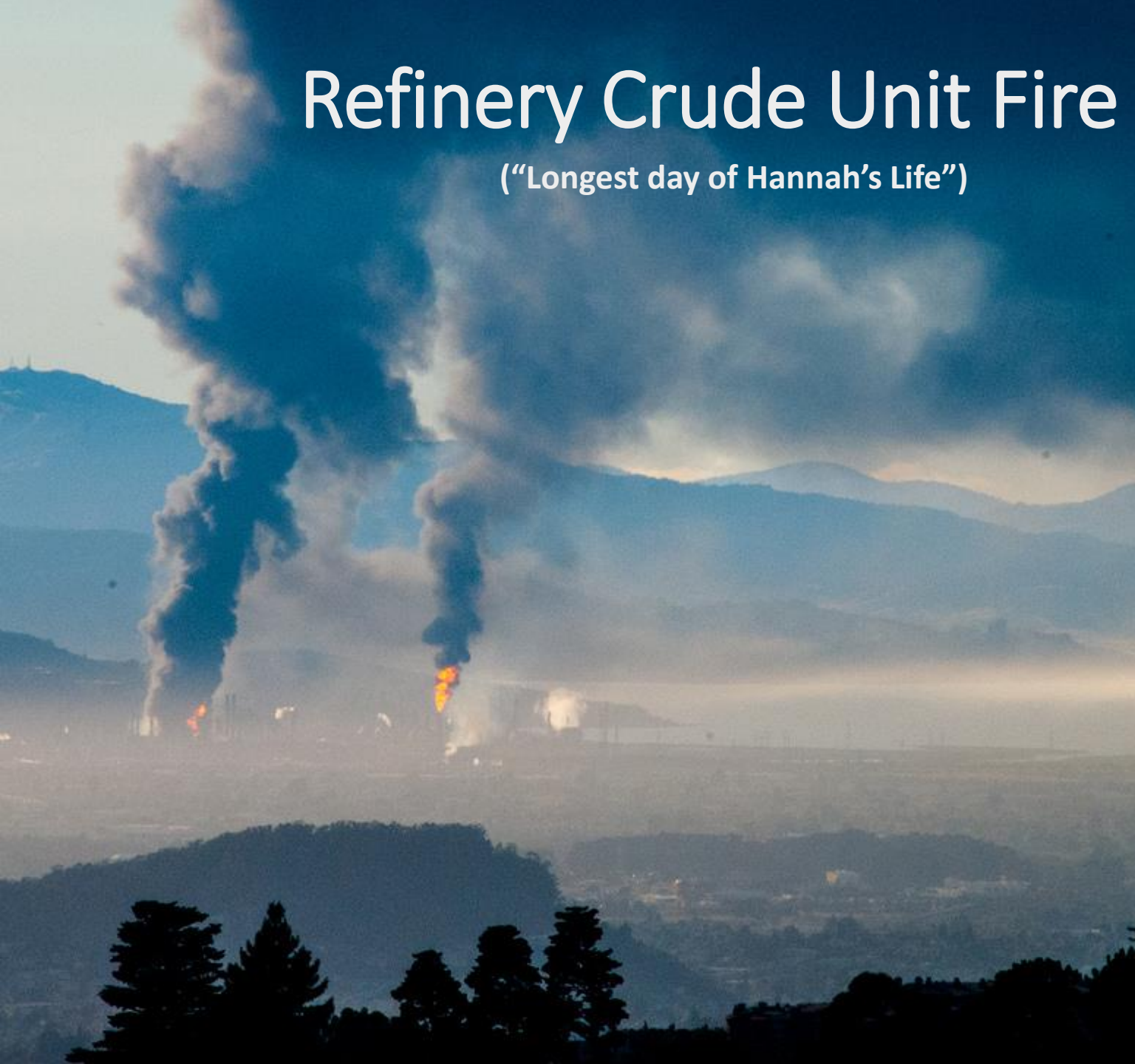






Refinery Crude Unit Fire

("Longest day of Hannah's Life")



- The Chemical Safety Board (CSB) is a federal organization that investigates major industrial accidents in detail
- They produce videos meant for a general audience to explain causes of accidents
- The Richmond Refinery Crude Unit fire was a major accident, and investigated by the CSB
- Fortunately nobody was killed, but Hannah was good friends with most of the people in that video, including the man trapped in the truck.

<https://www.youtube.com/watch?v=QiILbGbk8Qk>

A STEM Challenge: Hannah Rebuilding the Crude Unit

- 2 years after graduating, Hannah was given a massive challenge
- In charge of a team of 5 doing material surveys of existing equipment
- 3 months until it was working again, 6 months before fully repaired
- Presented results to the CEO of Chevron
- Used all of her STEM knowledge!

