

## **Review of MRC's Fluidized Catalytic Cracking Unit (FCCU) Slide Valves by Contra Costa Health Hazardous Materials**

### **MRC overhauled/replaced the slide valves during the 2018 turnaround**

The overhaul process involved:

- Replacing the internal components
- Resurfacing the flanges
- Installing new packing and stems

The slide valves are scheduled to be replaced by PBF/MRC in 2025.

**The independent consultant hired by the County, Scott Berger & Associates, determined the slide valves were not related to the Nov. 2022 spent-catalyst incident.**

- Thus, the consultant did not determine any need to inspect the slide valves

**The Hazmat Program has taken the following measures to ensure the slide valve was operating safely:**

- Hazmat reviewed the operator shift rounds and confirmed they collect pressure readings from both slide valve actuators.
- Hazmat interviewed a PBF subject matter expert and confirmed the valves are also subject to conditional monitoring, a strategy aimed at detecting early signs of potential issues.
  - This approach involves periodic inspections that could prompt corrective maintenance
- Hazmat recently reviewed photos taken by MRC of the slide valves before and after the 2018 turnaround/inspection.
  - The "after" pictures showed the valve was repaired to as-new condition.

**The Hazmat Program does not have the regulatory authority to compel MRC/PBF to re-inspect the stripper valve.**

- On April 30, Hazmat notified MRC it will not be asking to re-inspect the valves.