

## Refinery Events

February 8, 2013 – February 14, 2013

The following events were obtained from the Department of Energy (DOE) website:

### **MDU Resources and Calumet to Build 20,000 b/d Diesel Refinery in North Dakota**

MDU Resources Group, Inc. and Calumet Specialty Products Partners, L.P. on Thursday announced that they have formed a joint venture to develop, build, and operate a diesel refinery in southwestern North Dakota. The joint venture will be called Dakota Prairie Refining, LLC. The facility will process 20,000 b/d of Bakken crude oil. Construction could begin this spring, and is expected to take up to 20 months.

<http://www.mdu.com/News/Pages/NewsArticle.aspx?article=328> Posted to DOE website 2-8-13.

### **Valero Completes Repairs to Saturated Gas Recovery Unit at Its 310,000 b/d Port Arthur, Texas Refinery by February 7**

Valero Energy Corp on Thursday said operators have completed repairs to fix a leak on the saturated gas recovery unit at its Port Arthur refinery. Operators shut the unit Wednesday morning after discovering a broken bleeder valve on the unit, according to a filing with the Texas Commission on Environmental Quality. A spokesman said the incident had no material impact on production.

Reuters, 10:39 February 8, 2013

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=179109>

Posted to DOE website 2-8-13.

### **Pressure Safety Valve Malfunction Causes Butanes Emissions at Citgo's 163,000 b/d Corpus Christi, Texas Refinery February 7**

Citgo Petroleum Corp. reported a pressure safety valve (PSV) at the East Plant Terminal of its Corpus Christi refinery opened and released Butanes to the atmosphere Thursday morning, according to a filing with the Texas Commission on Environmental Quality. Operators isolated the line connected to the PSV and were investigating the cause of the malfunction.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=179097>

Posted to DOE website 2-8-13.

### **Amine System Upset Triggers Flaring at Marathon's 490,000 b/d Garyville, Louisiana Refinery February 7**

Marathon Petroleum Corp. reported liquid hydrocarbon got into the amine system at its Garyville refinery Thursday, and in order to minimize further upset in the system, operators removed the hydrocarbon by routing it to the flare, according to a filing with the U.S. National Response Center.

[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1037948](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1037948) Posted to DOE website 2-11-13.

### **Phillips 66 Reports Flaring at Its 139,000 b/d Wilmington, California Refinery February 7**

Phillips 66 reported a flaring event at its Wilmington refinery Thursday, according to a filing with the California Emergency Management Agency. Operators were investigating the incident, which caused more than 500 pounds of sulfur dioxide to release to the atmosphere.

Reuters, 16:48 February 8, 2013. Posted to DOE website 2-11-13.

### **Tesoro Reports 'Major' Unit Startup at Its 166,000 b/d Martinez, California Refinery February 8**

Tesoro Corp. reported flaring was expected during the start up of an unspecified "major" unit at its Martinez refinery on Friday, according to a filing with the Contra Costa Health Services.

Reuters, 17:57 February 8, 2013. Posted to DOE website 2-11-13.

**Update: Monroe Energy Restarts FCCU at Its 185,000 b/d Trainer, Pennsylvania Refinery by February 11**

Monroe Energy LLC restarted a fluid catalytic cracking unit (FCCU) at its Trainer refinery, a spokesman said on Monday. Operators shut the 52,000 b/d unit in late December to repair a slurry circuit. Reuters, 17:16 February 11, 2013. Posted to DOE website 2-12-13.

**Shell Contains Small Fire at Its 329,800 b/d Deer Park, Texas Refinery February 12**

Shell Oil Co. reported that it contained a small fire and unspecified release at its Deer Park refinery Tuesday morning, according to a message on a community information line. Reuters, 11:45 February 12, 2013. Posted to DOE website 2-12-13.

**SRU Malfunction Causes Emissions at Valero's 310,000 b/d Port Arthur, Texas Refinery February 11**

Valero Energy Corp. reported an unspecified "excursion" on a sulfur recovery unit (SRU) tail gas incinerator (TGI) caused emissions at its Port Arthur refinery Monday, according to a filing with the Texas Commission on Environmental Quality. The filing reports emissions from two shell claus off-gas treating (SCOT) TGIs and from two SRUs at the refinery. The malfunction had no impact on production, a spokesman said. Reuters, 14:13 February 11, 2013

<http://www1.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=179180>  
Posted to DOE website 2-12-13.

**SRU Resumes Normal Operation at Valero's 120,000 b/d Meraux, Louisiana February 11 after Malfunction February 10**

Valero Energy Corp. reported its Meraux refinery was operating normally Monday following a sulfur recovery unit (SRU) malfunction the previous day. There was no material impact to production, a spokesman said. The U.S. Environmental Protection Agency reported elevated levels of sulfur dioxide in St. Bernard Parish after Valero reported a release of sulfur dioxide at the refinery Saturday, local media reported.

Reuters, 12:28 February 11, 2013  
<http://www.bizjournals.com/sanantonio/news/2013/02/12/valero-refinery-in-louisiana-exceeds.html>  
Posted to DOE website 2-12-13.

**Compressor Failure Shuts Unspecified Unit at Flint Hills's 280,500 b/d Saint Paul, Minnesota Refinery by February 11**

Flint Hills Resources shut an unspecified unit at its St. Paul refinery on Saturday following a compressor failure, according to a filing with the U.S. National Response Center.

[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1037984](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1037984)  
Reuters, 12:50 February 12, 2013. Posted to DOE website 2-12-13.

**Update: North Atlantic Refining Expects Its 115,000 b/d Come By Chance, Newfoundland and Labrador Refinery to Resume Full Production by End of This Week**

North Atlantic Refining, a unit of the Korea National Oil Corporation, on Wednesday said its Come By Chance refinery was in startup mode following a site-wide power outage last week, and should resume full production by the end of this week. The refinery shut February 4 when a trip at the facility's terminal station knocked out the two transmission lines that provide power to the refinery. Newfoundland and Labrador Hydro reported a protection circuit failure at the terminal station caused the outage, after heavy winds that day drove plastic debris into contact with high voltage equipment inside the station.

Reuters, 08:52 February 13, 2013  
<http://www.thetelegram.com/Business/2013-02-13/article-3176123/Refinery-outage-a-big-concern-for-NL-Hydro/1>  
Posted to DOE website 2-13-13. NOTE: USW-represented refinery.

**PBF Completes Repairs to Tail Gas Unit at Its 180,000 b/d Paulsboro, New Jersey Refinery by February 13**

PBF Energy Inc. has completed repairs on a tail gas unit at its Paulsboro refinery after it was recently interrupted,

according to a filing with state pollution regulators.  
Reuters, 09:11 February 13, 2013. Posted to DOE website 2-13-13.

### **Shell Reports No Offsite Impacts after a Brief Fire at Its 329,800 b/d Deer Park, Texas Refinery February 12**

Shell Oil Co. reported that operators had quickly isolated and contained a fire in a single, unspecified unit at its Deer Park refinery Tuesday morning. No injuries or offsite impacts were reported.  
Reuters, 13:12 February 12, 2013. Posted to DOE website 2-13-13.

### **Regenerator, Scrubber Snags Cause Emissions at Valero's 83,000 b/d Houston, Texas Refinery February 11**

Valero Energy Corp. reported excess sulfur dioxide emissions at its Houston refinery late Monday night were due to an upset in the Complex 1 regenerator and scrubber, according to a filing with the Texas Commission on Environmental Quality. A separate report on Tuesday indicated an issue with the BELCO scrubber had caused emissions at the refinery.  
Reuters, 09:14 February 13, 2013  
<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=179266>  
Posted to DOE website 2-13-13.

### **Tesoro Restarts Hydrocracker after Repairs at Its 166,000 b/d Martinez, California Refinery by February 13 – Source**

Tesoro Corp. was restarting a hydrocracker at its Golden Eagle refinery in Martinez today after replacing equipment, according to a person with direct knowledge of the work. The unit is expected to return to full rates within two days. Operators shut the hydrocracker on February 2 after discovering a hole in a line.  
<http://www.bloomberg.com/news/2013-02-12/san-francisco-gasoline-falls-as-tesoro-plant-said-to-start-unit.html>  
Posted to DOE website 2-13-13.

### **Update: Cal/OSHA Concludes Chevron Should Have Replaced Leaky Pipe That Caused Fire at Its Richmond, California Refinery in August 2012**

The U.S. Chemical Safety Board (CSB) and the California Division of Occupational Safety & Health (Cal/OSHA) released a report on Wednesday, concluding that the 8-inch steel pipe, from a section designated as 4-sidecut which was installed in 1976, ruptured due to severe sulfidation corrosion, causing the August 6, 2012 fire at Chevron's Richmond refinery. Tested pipe samples showed a very low concentration of corrosion-inhibiting silicon. The CSB investigation to determine the root causes of the incident is ongoing. The CSB will release a report detailing its findings and recommendations to key stakeholders later this year. Cal/OSHA has already issued 25 citations, including 11 "willful serious" and 12 "serious," and civil penalties of nearly \$1 million.  
<http://www.dir.ca.gov/DIRNews/2013/IR2013-08.html>  
<http://www.ktvu.com/news/news/local/report-chevron-should-have-replaced-leaky-pipe/nWNpp/>  
Posted to DOE website 2-14-13.

### **Phillips 66 Reports Flare Gas Recovery Compressor Trip at Its 362,000 b/d Wood River Refinery February 14**

Phillips 66 reported sulfur dioxide emissions at its Wood River refinery in Roxana, Illinois, caused by a flare gas recovery compressor trip, according to a filing with state pollution regulators.  
Reuters, 4:03 February 14, 2013. Posted to DOE website 2-14-13.

### **Citgo Reports Unit Upset at Its 167,000 b/d Lemont, Illinois Refinery February 13**

Citgo Petroleum Corp. reported a unit upset that led to the release of sulfur dioxide from a flare stack at its Lemont, Illinois refinery Wednesday, according to a filing with the National Response Center. The unit process was stabilized, and the emissions were stopped.  
[http://www.nrc.uscg.mil/reports/rwservlet?standard\\_web+inc\\_seq=1038447](http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1038447)  
Reuters, 00:34 February 14, 2013. Posted to DOE website 2-14-13.

### **Phillips 66 Reports Gasoline Leak at Its 120,000 b/d Rodeo, California Refinery February 13**

According to a filing with the Contra Costa Health Services, Phillips 66's refinery in Rodeo, California, experienced a small gas leak of several gallons from a seal on a pump February 11. The company reported that it isolated and stopped the leak.

Reuters, 15:29 February 13, 2013. Posted to DOE website 2-14-13.