Refinery Maintenance Report

February 8, 2017

* updated

PADD1 / East Coast

PBF Energy – The company on Jan. 4 confirmed a turnaround at the 190,200-b/d Delaware City, Del., refinery to begin in the first quarter. Units involved in the 45-55 days of work (seen stretching into Q2) are an alkylation unit and the 82,000-b/d FCC. While PBF didn’t provide start or end dates, published reports have recently indicated a start date of March 1.

Phillips 66 – The company plans to upgrade the FCC at its 251,000-b/d Bayway refinery in Linden, N.J., in stages, completing the work in 2018. The project for the 145,000-b/d FCC includes replacing the reactor with modern technology that will increase yields of gasoline and diesel by about 4,000 b/d.

PADD2 / Midwest

HollyFrontier – Unplanned reformer issues at the company’s 165,500-b/d Tulsa, Okla., refinery in December cut crude processing rates and HFC expects to advance planned work on the 75,500-b/d East crude unit and other units originally scheduled for later in 2017, it said on Dec. 30. That work is also to include upgrade of catalyst in the 23,000-b/d reformer. HFC didn’t provide dates for the turnaround.

Husky – The Canadian company’s 170,000-b/d refinery in Lima, Ohio, is slated to undergo a five-week maintenance turnaround in Q4 2017, Husky said on Dec. 13. In Q4 2016, the plant’s crude flexibility project increased heavy crude processing capacity by some 2,000 b/d to 10,000 b/d. When the project is completed in 2018, heavy crude capacity is expected to have risen to 40,000 b/d. In Spring 2016 the Lima refinery saw an eight-week turnaround, returning to full operations in April.

PADD3 / Gulf Coast

Alon – The company’s plans to add a 13,000-b/d, C-4 butane fed alkylation unit at its 83,000-b/d Krotz Springs, La., refinery have slowed down in order to ease capital expenditure, Alon said in July. No revised start-up date was available at that time. The previous target to install a used, current-technology unit had been end-2017. The unit is expected to produce some 6,000 b/d of high-octane gasoline component that will allow Alon to make different grades of gasoline.

CITGO – An FCC at the company’s 440,000-b/d Lake Charles, La., refinery is due to be taken down for turnaround in mid-January, trade sources told OPIS on Jan. 12. Duration of the maintenance was unclear as of presstime but wire service reports of the work cited by Tudor, Pickering & Holt have suggested a four-week period. Those reports had also shown the turnaround beginning in late February. Total fresh FCC capacity at CITGO Lake Charles is listed at 148,000 b/d in the EIA’s latest Refinery Capacity Report.

Deer Park – As of Jan. 10, a coker unit and gasoil hydrotreater at the 340,000-b/d Shell-Pemex joint venture Deer Park refinery in Houston were shut on an unplanned basis, trading sources told OPIS. A brief fire in the coker was the cause of the shutdowns. Repairs to the coker, also said to have experienced a leak, were expected to be completed by Jan. 13-14. The refinery’s delayed coking capacity is 90,000 b/d. Heavy gasoil hydrotreating capacity at Deer Park is listed by the EIA as 80,000 b/d. On Jan. 6, Deer Park experienced an upset of a process unit which Shell declined to identify.

ExxonMobil – A planned turnaround on one FCC unit at the company’s 523,200-b/d refinery in Baton Rouge, La., was underway in early January, according to market...