



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, May 13, 2013

Electricity

Dominion Shuts 917 MW North Anna Nuclear Unit 2 in Virginia During Restart Due to Exciter Vibrations May 10

The utility was in the process of restarting the unit following a scheduled refueling outage, when operators manually shut the unit after detecting greater-than-normal vibrations in part of the mechanism used to start the reactor. The excessive vibrations were detected in the exciter, which is used during start-up to initiate the flow of electricity from the generator to the grid. The exciter spins with the turbines and electric generator on one long shaft. Dominion is working to determine if the issue is a mechanical or an electrical problem. The unit had ramped up to 60 percent power when the shut down occurred.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

http://www.dailyprogress.com/news/local/north-anna-reactor-restarted-then-shut-down-again/article_b8b346c4-b9cc-11e2-a9ec-0019bb30f31a.html

Update: Constellation's 835 MW Calvert Cliffs Nuclear Unit 2 Restarts by May 12, Ramps Up to Full Power by May 13

The unit restarted by early Sunday and ramped up to full power by early Monday. On May 8, the unit automatically tripped from full power, according to a filing with the U.S. Nuclear Regulatory Commission (NRC). The plant was experiencing a loss of turbine load at the time, an NRC spokesman later said.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130509en.html>

http://www.thebaynet.com/news/index.cfm/fa/viewstory/story_ID/32067

FPL's 693 MW Turkey Point Nuclear Unit 3 in Florida Shut by May 11

The Nuclear Regulatory Commission reported that on the morning of May 10 the unit was operating at 37 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

FirstEnergy's 1,235 MW Perry Nuclear Unit 1 in Ohio Restarts May 12, Ramps Up to 15 Percent by May 13

The unit restarted by early Sunday and ramped up to 15 percent of capacity by early Monday.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

DTE's 1,089 MW Fermi Nuclear Unit 2 in Michigan Restarts by May 10, Ramps Up to 68 Percent by May 12

The unit restarted by early Friday and ramped up to 68 percent power by early Sunday. Power output was holding at 68 percent early Monday.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2013/>

IPA's 900 MW Intermountain Power Project Coal-fired Unit 2 in Utah Shut May 11

The unit entered an unplanned outage.

<http://content.aiso.com/unitstatus/data/unitstatus201305121515.html>

AES's 498 MW Alamos Gas-fired Unit 5 in California Shut by May 12; Gas-fired Unit 4 Shut by May 10; 332 MW Gas-fired Unit 3 Returns to Service by May 10

Units 4 and 5 entered an unplanned outages by May 10 and 12 respectively. Unit 3 returned from an unplanned outage by May 10.

<http://content.aiso.com/unitstatus/data/unitstatus201305121515.html>

NRG's 320 MW Etiwanda Natural Gas-fired Unit 4 in California Shut by May 12

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201305121515.html>

Petroleum

Power Failure Shuts Process Units at 247,000 b/d Sweeny, Texas Refinery May 11; Restart Expected to Take Several Days

Phillips 66 said Sunday that it would take several days to restart its Sweeny refinery after a power failure on Saturday caused several process units to shut down or experience operational difficulties. The crude distillation unit, coker flare, fluid catalytic cracking unit, vacuum distillation unit, and delayed coking unit, among others, were listed as sources of emissions in a filing with Texas regulators. The power interruption was triggered by Texas New Mexico power supply failure. Following the plant interruption, plant personnel worked to safely and sequentially restore power to affected process units, and to restart them in a staged manner to minimize emissions.

<http://www.nasdaq.com/article/phillips-66-restarting-sweeny-refinery-after-outage-20130512-00012#ixzz2TBGbdynu>

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=182693>

HCU and Hydroformer Malfunctions Reported at ExxonMobil's 572,500 b/d Baytown, Texas Refinery May 11; Malfunctions Ended by May 13

ExxonMobil reported that a hydrocracking unit (HCU) 1 feed pump shutdown occurred on Saturday, resulting in flaring, according to a filing with Texas regulators. The HCU 1 feed pump was restarted and stabilized. Also on Saturday, ExxonMobil reported a flange leak on the inlet line to Reactor 3 of the hydroformer at the Baytown refinery. The Reactor was shut down and cleared in order to isolate the leak. On Monday, ExxonMobil said that the malfunctions had ended on the hydrocracker and hydroformer and the company expected the refinery to meet its contractual commitments.

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=182698>

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=182695>

Reuters, 14:17 May 13, 2013

Blower Loss Causes SCOT Unit Emissions at Alon's 67,000 b/d Big Spring, Texas Refinery May 10

The loss of a blower at the caused emissions from the #1 Shell Claus Off-Gas Treating (SCOT) unit at the refinery, according to a filing with Texas regulators.

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=182685>

BP's 225,000 b/d Cherry Point, Washington Refinery Returns to Normal Operations May 13 Following Sulfur Unit Heater Malfunction May 10

The refinery was operating normally Monday after a sulfur unit heater failed on Saturday, forcing the refinery to slow production for a few hours to reduce sulfur load, according to sources familiar with refinery operations. The heater was brought back online Saturday.

Reuters, 13:26 May 13, 2013

Tesoro's 166,000 b/d Martinez, California Refinery Continues to Operate at Planned Rates After Vapor Release May 13

The company said the refinery continued to operate at planned, unspecified rates after a vapor release from an unspecified unit on Monday.

Reuters, 13:24, May 13, 2013

ExxonMobil's 149,500 b/d Torrance, California Refinery Returns to Planned Rates May 13 Following Unspecified Malfunction May 10

Reuters, 13:51 May 13, 2013

Unspecified Equipment Failure Causes Flaring at Motiva's 235,000 b/d Norco, Louisiana Refinery May 10

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=1046762

Natural Gas

DTE Pipeline Co. Places Northern Portion of 600 MMcf/d Bluestone Pipeline Project Into Service in New York

DTE Pipeline Co. announced it has placed the northern portion of the Bluestone Project which interconnects with Millennium Pipeline in New York into service. The 44.5 mile pipeline can transport up to 600 MMcf/d combined to both the Millennium Pipeline in Broome County, New York and the Tennessee Gas Pipeline in Susquehanna County, Pennsylvania. The southern portion of Bluestone which interconnects with Tennessee Pipeline went into service on November 28, 2012.

<http://dteenergy.mediaroom.com/2013-05-13-C-O-R-R-E-C-T-I-O-N-DTE-Energy>

Emissions Reported at Enterprise Mont Belvieu, Texas NGL Complex May 10

An emission event occurred in the 1200 DIB unit that resulted in flaring of material, according to a filing with Texas regulators.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=182689>

Acid Gas Compressor Shuts Multiple Times at Waha Gas Plant in Texas May 12

The acid gas compressor (AGC) shut-down multiple times on low-suction pressure at Stage 3, Stage 4 and Stage 5 compressors. Multiple resets and shutdowns occurred over the time period. The acid gas was routed to the flare as designed.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=182697>

Emissions Reported at Tilden Gas Plant in Texas May 10

The cause of flaring was due to hot work alignments on the #1 and #2 acid gas injectors (AGIs). Operations was required to perform pre-startup checks on the AGI compression. During this process repeated malfunctions with relief valve function on AGI # 2 prolonged down time.

<http://www11.tceq.state.tx.us/oce/eer/index.cfm?fuseaction=main.getDetails&target=182330>

Other News

Nothing to report.

International News

Bomb Attack Shuts Iraq's Kirkuk-Ceyhan Crude Export Pipeline May 13

Militants blew up pipeline carrying Iraqi crude from the city of Kirkuk to Turkey's Mediterranean coast on early Monday, stopping the flow of oil, the second attack in a week. According to one official, more than one bomb was used and the pipeline was "severely damaged". Last week, on May 6, Militants blew up the pipeline, stopping the flow of oil. Flows had resumed on Sunday.

Reuters, 08:35 May 13, 2013

Energy Prices

U.S. Oil and Gas Prices May 16, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	95.01	95.50	97.05
NATURAL GAS Henry Hub \$/Million Btu	3.93	3.98	2.36

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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