



ENERGY ASSURANCE DAILY

Monday Evening, April 22, 2013

Electricity

TVA Declares Unusual Event after Shots Are Fired near Watts Bar Nuclear Power Plant in Tennessee April 21

The Tennessee Valley Authority (TVA) declared an Unusual Event at its Watts Bar nuclear power plant at 2:29 a.m. ET Sunday after an unidentified individual fired a shot at a site security vehicle, according to a filing with the U.S. Nuclear Regulatory Commission (NRC). The NRC later reported that a security officer patrolling on TVA property near the Tennessee River exchanged gunfire with an individual. TVA said the incident posed no threat to the security of the plant because it occurred outside of the plant perimeter, several hundred yards from the site's protected area, which houses the reactor and power production facilities. Operators terminated the Unusual Event declaration at 12:30 p.m. ET Sunday after performing inspections of the protected area, conducting a helicopter survey of the plant and adjacent river area, and inspecting the intake pumping station. TVA notified the NRC that it will continue to maintain security at higher than normal levels. Local law enforcement agencies and the U.S. Federal Bureau of Investigation are assisting TVA security officials with the investigation. Watts Bar Unit 1 continued to operate at 100 percent power throughout the incident.

http://www.tva.gov/news/releases/aprjun13/wbn_clear.html

<http://www.nrc.gov/reading-rm/doc-collections/news/2013/13-021.ii.pdf>

<http://www.nrc.gov/reading-rm/doc-collections/news/2013/13-022.ii.pdf>

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

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130422en.html>

First Terrorism Drill Completed Successfully at Exelon's Three Mile Island Nuclear Power Plant in Pennsylvania April 16

The U.S. Federal Emergency Management (FEMA) and the U.S. Nuclear Regulatory Commission (NRC) on Friday reported that the first simulated test of a terrorist attack on a U.S. nuclear power plant was a success. The test, which took place last Tuesday at Exelon's Three Mile Island plant in Pennsylvania, simulated an attack by a group of eight armed men and involved more than 1,200 participants in 76 municipalities and 15 school districts. In November 2011, the U.S. Nuclear Regulatory Commission (NRC) required all U.S. nuclear power plant operators to test their preparedness for terrorist incidents every 2 years. FEMA will release the full test results in 90 days, and the NRC will announce its portion of the findings in 45 days. The site of the next terrorist simulation has not been released publicly. Each plant operator will choose their reactor's simulated terrorist scenario, although the choice must be approved by the commission.

Reuters, 16:30 April 19, 2013

FPL Declares Unusual Event at Its 693 MW Turkey Point Nuclear Unit 4 in Florida Due to Loss of Offsite Power April 19

Florida Power & Light (FPL) declared an Unusual Event at its Turkey Point nuclear Unit 4 at 6:08 p.m. ET Friday night due to a loss of offsite power when emergency buses failed to auto-transfer to the startup transformer, according to a filing with the U.S. Nuclear Regulatory Commission. Operators were in the process of returning the unit to service following a refueling and maintenance outage when the incident occurred. Emergency diesel generators kicked in and were providing power to emergency buses. All rods inserted. The plant stabilized on natural circulation in Mode 3. There was no impact on Unit 3. The failure of the auto-transfer of the startup transformer is under investigation. Operators terminated the Unusual Event at 7:15 p.m. ET Friday after offsite power was restored, and operators restarted the unit by April 21 and ramped it up to 29 percent power by April 22.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2013/20130422en.html>

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

NRC Identifies Construction Violation at SCE&G's Summer Nuclear Units 2 and 3 in South Carolina

The U.S. Nuclear Regulatory Commission (NRC) has scheduled a regulatory conference with South Carolina Electric & Gas (SCE&G) to discuss the risk significance of an apparent violation related to the anchorage and spacing of rebar being used to reinforce concrete in the new Units 2 and 3 under construction at the V.C. Summer nuclear station. NRC inspectors found that the anchorage and spacing of the rebar in the floor and walls of the units did not comply with code requirements. The violation has been preliminarily classified as white, meaning it has low to moderate safety significance. No decision on the final safety significance or any possible enforcement action will be made at the conference. Those decisions will be made and the results will be announced by NRC officials at a later time.

<http://www.nrc.gov/reading-rm/doc-collections/news/2013/13-025.ii.pdf>

Update: STP's 1,251 MW South Texas Nuclear Unit 2 in Texas Restarts by April 10, Ramps Up to 19 Percent by April 22

South Texas 2 is returning from an outage that began January 8, when operators shut the reactor after a main transformer failure ignited a brief fire, which damaged the transformer.

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

AES's 498 MW Alamos Natural Gas-Fired Unit 5 in California Shut by April 20

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201304201515.html>

First Solar's 230 MW AV Solar Ranch 1 in California Returns to Service by April 21

The unit returned from a curtailment of 127 MW that began by April 20 and was due to planned and unplanned causes.

<http://content.caiso.com/unitstatus/data/unitstatus201304211515.html>

<http://content.caiso.com/unitstatus/data/unitstatus201304201515.html>

AES's 226 MW Huntington Beach Natural Gas-Fired Unit 2 in California Returns to Service by April 21

The unit returned from an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201304211515.html>

Terra-Gen Power's 150 MW Alta Wind Energy Center VI in California Shuts by April 20

The wind farm entered an outage that was due to planned and unplanned causes. Alta Wind VI consists of fifty 3-MW wind turbines.

<http://content.caiso.com/unitstatus/data/unitstatus201304201515.html>

Petroleum

Update: Motiva Cuts Gasoline Production at Its 600,000 b/d Port Arthur, Texas Refinery after Low Hydrogen Supply Delays Restart of FCCU, HCU – Sources

Gasoline production was cut over the weekend at Motiva Enterprises' Port Arthur refinery because reduced hydrogen supply has delayed the refinery's return to full production following an unexpected power loss on April 14, sources familiar with refinery operations said on Monday. The fluidic catalytic cracking unit (FCCU) and hydrocracking unit (HCU) remain shut due to the lower hydrogen supply, the sources said. Operators completed restarting the refinery's three crude distillation units over the weekend. Motiva separately reported that as its operators were working to restart the FCCU last Thursday, the propylene and butylenes splitter feed pump from the No. 1 Debutanizer tower was lost, according to a filing with the Texas Commission on Environmental Quality. The loss of feed caused the tower to pressure up and relieve to the atmosphere through the pressure relief valve, causing emissions from the FCCU Process Fugitives and the FCCU.

Reuters, 10:41 April 22, 2013

<http://www11.tceq.state.tx.us/oce/ee/index.cfm?fuseaction=main.getDetails&target=181914>

Update: Valero Says All Units Recovered at Its 310,000 b/d Port Arthur, Texas Refinery by April 19 after Last Week's Power Loss

Valero Energy Corp. said units at its Port Arthur refinery had recovered by Friday following a power interruption on April 14. The company had reported all units had returned to production and were nearing planned rates by April 16. Reuters, 10:28 April 19, 2013

Phillips 66 Reports Normal Operations at Its 238,000 b/d Bayway Refinery in Linden, New Jersey April 22 after Power Dip April 19

Phillips 66 reported normal operations at its Bayway refinery Monday following a power dip that affected several unspecified units Thursday. Reuters, 11:10 April 22, 2013

Hydrocracking Unit Trips Offline at Phillips 66's 362,000 b/d Wood River, Illinois Refinery April 18

Phillips 66 reported a hydrocracking unit at its Wood River refinery tripped offline last Thursday, causing nitrous oxide emissions, according to a filing with State pollution regulators. Operators discovered a hydrocracker high separator dump valve had lifted. Reuters, 04:00 April 22, 2013
Reuters, 04:01 April 19, 2013

Update: Magellan Starts 75,000 b/d of Service on Its Reversed Longhorn Crude Oil Pipeline in Texas by April 16; Expects to Increase Capacity to 225,000 b/d in Q3 This Year

Magellan Midstream Partners reported it has begun commercial operations on its reversed Longhorn crude oil pipeline in Texas, a spokesman said April 16. The company began shipments over the weekend of April 13–14 from its terminal in east Houston to a third-party pipeline, and it expected to begin deliveries into its Houston distribution system sometime last week. The pipeline will transport 75,000 b/d in the first 45 days of operation, and ramp up to its full capacity of 225,000 b/d in the third quarter. Announced last year, the project has involved reversing the flow on Magellan's Longhorn petroleum products pipeline, which had shipped fuel from Houston to El Paso, and converting it to bring crude oil from south Texas directly to refiners in Houston, instead of shipping it to storage hubs in Cushing, Oklahoma.

<http://www.reuters.com/article/2013/04/16/magellan-longhorn-idUSL2N0D31ET20130416>

Update: ExxonMobil Starts Restoration Work on 90,000 b/d Pegasus Crude Oil Pipeline in Arkansas

ExxonMobil Corp. on Friday said it was beginning remediation and restoration activities as its transitions from its emergency response operations after a crude oil spill in Mayflower, Arkansas last month. The 90,000 b/d Pegasus pipeline ruptured on March 29, resulting in a 5,000-barrel oil spill. ExxonMobil said the U.S. Environmental Protection Agency and State and local authorities conducted inspections and granted approval to start the new phase of operations in the North Main Street section of the impacted area. ExxonMobil has not yet estimated when it will restart the pipeline.

Reuters, 17:49 April 19, 2013

Natural Gas

Regency Reports AGI Compressor Shutdowns at Its 290 MMcf/d Waha Gas Plant in Texas April 19 and 21

Regency Energy Partners reported an acid gas injector (AGI) compressor shut down at its Waha plant Friday afternoon and again early Sunday morning, according to filings with the Texas Commission on Environmental Quality. On Friday, the AGI compressor shut down due to high fourth-stage scrubber liquid level, and on Sunday it shut due to a fluctuation of amine system pressure caused by the changing of filters.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181927>

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181936>

Southern Reports Unit Shutdown at Its 140 MMcf/d Keystone Gas Plant in Texas April 17

Southern Union Gas Services reported Unit 23 at its Keystone plant went down on hot valves Wednesday, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181825>

Units Shut on Third-Party Electrical Outage at Atlas Pipeline's 195 MMcf/d Midkiff Gas Plant in Texas April 18

Atlas Pipeline reported unspecified units at its Midkiff plant shut down Thursday after its third-party electricity provider, Sharyland Electric, experienced an outage, according to a filing with the Texas Commission on Environmental Quality. The utility reported an overloaded transformer shut one of its substations feeding power to the Midkiff plant. Operators were waiting for power to be restored at the time of the filing.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181872>

DCP Midstream Shuts Sulfur Plant to Repair Reheater at Its 70 MMcf/d Fullerton Gas Plant in Texas April 19

DCP Midstream reported that it shut the sulfur plant at its Fullerton plant on Friday to repair the No. 1 reheater burner after discovering a fuel gas link blockage, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181916>

Enbridge Reports AGI Unit Shutdown at Its Tilden Gas Plant in Texas April 18

Enbridge reported that during routine maintenance on acid gas injector (AGI) compressor No. 2, the No. 1 AGI compressor went down on high-discharge pressure, according to a filing with the Texas Commission on Environmental Quality.

<http://www11.tceq.state.tx.us/oc/eer/index.cfm?fuseaction=main.getDetails&target=181841>

Other News

Coast Guard Closes Parts of Mississippi River in Missouri and Mississippi after More Than 100 Barges Break Free of Their Moorings April 20–21

The U.S. Coast Guard on Sunday reported it had closed parts of the Mississippi River to all vessels except those directly involved in recovery efforts after numerous barges broke free of their moorings in two locations over the weekend, due at least partly to high water conditions. At approximately 10:30 p.m. local time Saturday, between 50 and 80 barges broke free of their moorings near the Port of St. Louis. A total of 104 barges were impacted by the breakaway. The Coast Guard reported Sunday that most of the barges had been secured, but nine barges full of coal and at least one other barge sank near the navigation channel at mile marker 166 near Cliff Cave Park. Eleven barges were still unaccounted for on Sunday. All of the tank barges with hazardous cargo had been accounted for and were safe. The Coast Guard set a safety zone restricting traffic from mile marker 155 to mile marker 170. On Sunday morning, 30 barges carrying coal and grain broke free of their moorings near Vicksburg, Mississippi after the lead barge struck the Vicksburg Railroad Bridge. All of the barges were accounted for Sunday. One barge sank, two were partially submerged on the river bank, and one was aground on a dike. The Coast Guard has restricted traffic in that area from mile marker 415 to mile marker 436. Nine towboats—six bound upriver and three heading downriver—with a total of 134 barges were waiting to get through Sunday evening, the Coast Guard said.

<http://www.uscgnews.com/go/doc/4007/1756167/Coast-Guard-sets-safety-zone-on-Mississippi-River>

<http://www.uscgnews.com/go/doc/4007/1756191/Coast-Guard-sets-safety-zone-on-Mississippi-River>

<http://finance.yahoo.com/news/miss-river-closed-vicksburg-bridge-131959860.html>

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices			
April 22, 2013			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	88.50	88.92	103.81
NATURAL GAS Henry Hub \$/Million Btu	4.38	4.21	1.85

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

Energy Assurance Daily provides a summary of public information concerning current energy issues. Published Monday through Friday to inform stakeholders of developments affecting energy systems, flows, and markets, it provides highlights of energy issues rather than a comprehensive coverage. *Energy Assurance Daily* is updated online Monday through Friday after 5:00 p.m. ET. For more information, visit the Infrastructure Security and Energy Restoration (ISER) website at:

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

Please direct comments and questions to: ead@oe.netl.doe.gov