



# ENERGY ASSURANCE DAILY

Tuesday Evening, January 13, 2015

## *Electricity*

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### **TVA Says Tritium Leak Contained at Its 1,118 MW Browns Ferry Nuclear Plant in Alabama January 11**

Tennessee Valley Authority (TVA) officials confirmed a leak of water from its Browns Ferry nuclear plant in the past week contained levels of a radioactive element above Environmental Protection Agency drinking water standards. A TVA spokesperson said Sunday the leak occurred from one of the facility's condensate head tanks. Approximately 100–200 gallons of water containing tritium seeped from the tanks at an estimated rate of a half-gallon per minute. Once the leak was discovered, which officials said was several hours after it began, the flow pipe was immediately turned off. Plant officials said the leak was contained to the immediate area and there is no path for the water to exit outside of the plant. There have been increased levels of water monitoring and testing since the leak's discovery. TVA officials stressed no elevated levels of tritium have been found in the public drinking water supply.

<http://www.wsfa.com/story/27822183/officials-say-no-threat-to-public-after-tritium-leak-at-browns-ferry-plant>

### **Fire Contained at Cayuga Operating Company's 322 MW Cayuga Coal-Fired Power Plant in New York January 11**

A turbine fire on January 11 at Cayuga's power plant in Lansing, New York, was contained within the area of the turbine and prompted its shut down for safety reasons. Crews brought the fire under control and no injuries were reported.

<http://www.ithacajournal.com/story/news/public-safety/2015/01/11/fire-breaks-cayuga-power-plant/21603783/>

## *Petroleum*

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### **Update: Ohio EPA Says No Contamination Detected after Fire January 10 at Husky's 155,000 b/d Lima, Ohio Refinery**

The Ohio Environmental Protection Agency (EPA) on Sunday said no dangerous contaminants were released into the air by an explosion and fire on Saturday at Husky's Lima, Ohio refinery. Testing was done by the U.S. EPA, Allen County, and Husky Energy for a variety of contaminants, including benzene, carbon monoxide, sulfur dioxide, hydrogen cyanide, hydrogen sulfide, and asbestos, an Ohio EPA spokeswoman said. The results were all "non-detect," meaning no signs of the contaminants. The company, overseen by the Ohio EPA, will continue the contaminant monitoring this week.

<http://www.pennenergy.com/articles/pennenergy/2015/01/ohio-epa-no-contamination-detected-after-oil-refinery-explosion.html>

[http://www.huskyenergy.com/news/release.asp?release\\_id=1914138](http://www.huskyenergy.com/news/release.asp?release_id=1914138)

### **Valero Reports Process Upset at Its 330,000 b/d Port Arthur, Texas Refinery January 12**

Valero Energy Corp reported a process upset caused by a compressor trip at its Port Arthur, Texas, refinery, according to a filing with the National Response Center.

Reuters, 16:38 January 12, 2015

### **Marathon Reports Emissions, Compressor Leak at Its 80,000 b/d Texas City, Texas Refinery January 10**

Marathon Petroleum Corp reported a release of hydrogen sulfide due to a compressor leak at its Texas City, Texas, refinery on January 10, according to a filing with the National Response Center.

Reuters, 16:45 January 12, 2015

### **Worker Dies after Fall at Citgo's 163,000 b/d Corpus Christi, Texas Refinery January 12**

A worker has died from injuries sustained in a fall on Monday night at Citgo Petroleum Corp's Corpus Christi, Texas, refinery, said sources familiar with operations there. The employee was working on the 69,000 b/d fluidic catalytic cracking unit no. 2 at the refinery when he fell. The worker sustained multiple injuries and was taken to an area hospital, where he later died, the sources said.  
Reuters, 6:46 January 13, 2015

### **Flint Hills Reports Flaring at Its 320,000 b/d Pine Bend, Minnesota Refinery January 10**

Reuters, 16:52 January 12, 2015

### **Phillips 66 Reports Flaring at Its 139,000 b/d Wilmington, California Refinery January 12**

Phillips 66 reported a flaring event due to unknown reasons at its Wilmington, California refinery, according to a filing with the California Emergency Management Agency.  
Reuters, 23:09 January 12, 2015

### **Shell Reports Unit Startup at Its Scotford, Alberta Upgrading and Refining Facility**

Royal Dutch Shell Plc reported restarting a unit at its Scotford, Alberta facility, according to a community information line. The company said there was potential for increased flaring and reported no material impact to production related to this activity. The facility consists of a 100,000 b/d refinery and a 255,000 b/d oil sands upgrader.

Reuters, 6:19 January 13, 2015

### **Canadian Natural Resources Defers 40,000 b/d Kirby North Oil Sands Thermal Project in Alberta Until Oil Prices Stabilize**

Canadian Natural Resources Ltd said on Monday it would defer the first phase of its 40,000 b/d Kirby North thermal project in northern Alberta until crude prices stabilize. Phase one of the Kirby North thermal project, pumping steam underground to liquefy bitumen so it can flow to the surface, was originally targeted for the fourth quarter of 2016. The company's Chief Financial Officer said the project's new start date was unknown but it would depend on such factors as oil prices, currency rates, and capital costs.

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=45981](http://www.downstreamtoday.com/news/article.aspx?a_id=45981)

### **Enbridge to Provide Crude Oil Pipeline for Hess' 80,000 b/d Stampede Development in Deepwater Gulf of Mexico**

Enbridge Inc. on Monday announced that it will build, own, and operate a crude oil pipeline in the Gulf of Mexico to connect the planned Stampede development, operated by Hess Corporation, to an existing third-party pipeline system. The lateral pipeline is expected to be operational in 2018. The Stampede development, which holds total estimated recoverable resources of 300 million barrels of oil equivalent, was previously sanctioned by Hess and its project co-owners (Nexen, Statoil, and Chevron) in October 2014. Approximately 16 miles in length and 18 inches in diameter, the Stampede lateral will originate in Green Canyon Block 468, located approximately 220 miles southwest of New Orleans, Louisiana. Water depth at the location of the planned pipeline is approximately 3,500 feet.

<http://www.enbridge.com/MediaCentre/News.aspx?yearTab=en2015&id=1910773>

[http://www.chevron.com/chevron/pressreleases/article/10282014\\_chevronsanctionsstampedeprojectinthedeepwateruulgulfmexico.news](http://www.chevron.com/chevron/pressreleases/article/10282014_chevronsanctionsstampedeprojectinthedeepwateruulgulfmexico.news)

## ***Natural Gas***

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### **Portland Natural, TransCanada, Iroquois Gas Announce Joint Open Season to Offer 300 MMcf/d of Natural Gas Supplies to New England, Atlantic Canada**

Portland Natural Gas Transmission System, TransCanada PipeLines Limited, and Iroquois Gas Transmission System, L.P. announced simultaneous joint open seasons that will be conducted to allow for up to 300 MMcf/d of natural gas supply to be transported from the Wright Hub in Wright, New York to premium markets in New England, New Brunswick, and Nova Scotia as early as November 1, 2017. The joint collaboration leverages existing pipeline assets to bring much-needed incremental natural gas supplies to constrained Northeast U.S. and Eastern Canadian markets, thereby dramatically reducing the amount of new infrastructure that needs to be constructed.

<http://www.transcanada.com/news-releases-article.html?id=2796774&t=manual>

## Other News

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### **Pacific Ethanol to Install 3.5 MW Cogeneration System at Its Stockton, California Plant**

Pacific Ethanol, Inc. on Monday announced its agreement with Dresser-Rand to install a 3.5 MW cogeneration system with gradual oxidizer at its Stockton, California plant for approximately \$12 million. The cogeneration system will displace purchased electricity by using Ener-Core, Inc.'s innovative gradual oxidizer technology to convert waste gas from ethanol production and natural gas into electricity and steam. With this technology, the plant will have among the lowest air emissions in the ethanol industry. Under the terms of the agreement, Dresser-Rand will supply two 1.75 MW gas turbine generators with heat recovery steam generators and two gradual oxidizers that are manufactured by Ener-Core. The combined system will replace the current use of thermal oxidizers. Pacific Ethanol expects the cogeneration system to be operational by the second-quarter of 2016.

<http://ir.stockpr.com/pacificethanol/press-releases/detail/424/pacific-ethanol-stockton-plant-to-install-innovative-cogeneration-technology>

### **Copper Theft Reported from Frontier Power, AEP Power Poles in Ohio**

Two individuals were arrested by the Coshocton County Sherriff's Office January 9 for allegedly stealing copper wire from numerous power poles. Officials started an investigation January 7 following a widespread power outage caused by an attempted theft of copper wire from power poles that belonged to Frontier Power and AEP.

<https://www.whiznews.com/content/news/local/2015/01/09/arrests-made-in-coshocton-county-copper-wire-theft>

## International News

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Nothing to report.

## Energy Prices

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<b>U.S. Oil and Gas Prices</b>			
January 13, 2015			
	<b>Today</b>	<b>Week Ago</b>	<b>Year Ago</b>
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	45.76	47.93	91.70
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.90	3.21	3.95

Source: Reuters

## Links

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***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](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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