

OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY (OE)
U.S. DEPARTMENT OF ENERGY
Gulf Coast Hurricanes Situation Report #45
December 15, 2005 (1:00 PM EST)

OIL AND GAS INFORMATION

- As of 12/05/05, seven gas processing plants in Louisiana, with capacities equal to or greater than 100 million cubic feet per day, are not active. A number of the inactive plants are expected to be operating within 4 weeks.
- The EPA waiver requiring terminals to use a special low sulfur diesel in Texas ends today, December 15th. After hurricanes Katrina and Rita struck the United States, the Environmental Protection Agency issued a number of waivers of clean fuel requirements because an “extreme and unusual fuel supply circumstance” existed. All waivers have expired except for the one affecting Texas. On Oct. 18, at the request of the State of Texas, EPA issued an emergency waiver that delayed the phased-in implementation of the Texas Low-Emission Diesel (TXLED) program by 30 days. The new compliance dates for the TXLED program were set at Oct. 31 for refiners, Dec. 15 for terminals, and Jan. 31, 2006, for retail outlets.
- Motiva Enterprises LLC is updating plans for re-opening Shell-branded gasoline stations in New Orleans that were forced to close due to the effects of Hurricane Katrina. Of the 85 Shell-branded stations in the greater New Orleans area, 54 have reopened, are fully operational and servicing residents, businesses and restoration workers. Motiva is continuing efforts to make necessary repairs and conduct safety inspections at 11 locations, which are expected to re-open over the coming months. The remaining 20 stations have sustained extensive damage and are located in areas that lack both essential support services and sufficient customers. Motiva has decided to close these locations.
- According to MMS (12/12), 441,394 barrels of oil per day are shut-in, which equates to 29.43 percent of the normal daily oil production in the Gulf. Shut-in gas production is 2.312 billion cubic feet per day. This shut-in gas production is equivalent to 23.12 percent of the normal daily gas production in the Gulf. Evacuations are equivalent to 15.38 percent of 819 manned platforms and 0.00 percent of 134 rigs currently operating in the Gulf. For further information see MMS web site at www.mms.gov.

Shut-in Oil and Gas Production

Ivan, Katrina and Rita

	Rita	Katrina	Ivan
Shut-in Production High	26-Sep	30-Aug	16-Sep 2004
Gas (BCF)	8.623	9.418	6.515
Oil (bbls)	1,564,679	1,557,981	1,410,002
Cumulative (To Date)	<i>Combined Rita / Katrina</i> 8/26/05 – 12/12/05		9/13/04 - 02/14/05
Gas (BCF)	<i>Combined Rita / Katrina</i> 526.223		172.259
Oil (bbls)	<i>Combined Rita / Katrina</i> 101693,483		43,841,245

Source: U.S. MMS, December 12, 2005.

- According to the Louisiana Department of Natural Resources on 12/15, onshore crude oil production in southern Louisiana has reached 119,451 barrels per day, or 58.8 percent of the region's capacity; natural gas production of 1,485.8 million cubic feet per day, or 66.5 percent of daily capacity in 38 southern Louisiana parishes, has been restored. There are 55 on-shore pipeline operators in the hurricane-affected parishes. As of 12/15, 8 operator's facilities were reopened, 30 of the operator's facilities are shut-in, and 17 of the operators experience partial system shut-ins or flow.

- Shown below is a list of refineries impacted by the Gulf Coast Hurricanes as of December 15.

REFINERY IMPACTS FROM GULF COAST HURRICANES

Company	Location	Capacity (B/D)	Status
PORT ARTHUR/ LAKE CHARLES			
ConocoPhillips	West Lake, LA	239,400	Reduced rate
HOUSTON/TEXAS CITY			
Lyondell Citgo	Houston, TX	270,200	Reduced rate – restarted FCC Dec 4; estimated to be at full rate soon
BP	Texas City, TX	437,000	Restarted – BP has not determined when refinery will be back to normal rates
Total		707,200	Shut down – 0
TOTAL from above			
		946,600	
Two refineries in LA from Hurricane Katrina remain shut down – 367,000 b/d			
<ul style="list-style-type: none"> • ConocoPhillips Belle Chasse – shut down – Estimate start up by end of 2005 • Murphy Oil Meraux – Estimate 1st quarter 			Total Shut down

Company	Location	Capacity (B/D)	Status
2006 start up		367,000	(Katrina + Rita)= 367,000

Sources: Confirmed by company or on company web site. Various trade press sources.

- Shown below is a list natural gas pipelines impacted by the Gulf Coast Hurricanes as of December 12.

On-Shore and Off-Shore Pipelines with Reported Supply Issues	Status
Enbridge Inc.'s Offshore System, which includes Garden Banks, Manta Ray, Nautilus, Stingray, and MS Canyon	As of Dec 1, MS Canyon is still unable to accept liquids for transportation. Manta Ray pipelines are still out of service. Stingray restored operations December 1, 2005, but some onshore delivery points are limited due to a lack of onshore compression. Due to weather delays offshore, Stingray did not meet the December 10, 2005 target date for restoration of communications and metering infrastructure to all offshore receipts.
Enterprise Product Partners – GulfTerra and Gulf South (HIOS)	GulfTerra postponed integrity testing until January 2006. As of Nov 1, the ANR and UTOS delivery points are available on GulfTerra. On Dec 6, Gulf South may be required to schedule only primary firm capacity and implement scheduling reductions.
Kinder Morgan	As of Dec 15, Natural Gas Pipeline is operating at capacity with a few pipeline segments at limited transport capacity. As of Dec 9, limits to withdrawals have been lifted.
Southern Union's (Panhandle Energy) Trunkline and Sea Robin	As of Dec 8, Sea Robin completed repairing a pipeline segment upstream of Vermilion 149 and segments upstream and downstream of East Cameron 195. Fifteen receipt points are still limiting nominations of gas due to repair work. Three receipt points are unavailable due to producer limitations.
Tennessee Gas	Equipment, compressor stations, facilities, and segments of several pipelines are still being repaired and will take months to complete. As a result, some segments have limitations in place. The Operator of the Sabine Processing Plant informed Tennessee that the plant is back in service.

(Sources: Company web sites and Trade associations)