

Success through Partnership

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Overview

- Oil and Gas Industry in Louisiana
 - History
 - Present Day

- Regulatory Collaboration
 - Recent Successes
 - Upcoming Opportunities



LMOGA History

- Louisiana's first trade association
- Founded in 1923 as a division of the National Mid-Continent Oil and Gas Association
- Represents all sectors of the oil and gas industry in Louisiana and the Gulf of Mexico



LMOGA House - 730 North Boulevard



What LMOGA Does

 LMOGA promotes the oil and gas industry to the Louisiana legislature, state and federal regulatory agencies, the Louisiana congressional delegation, the media and the general public



History of Oil and Gas in Louisiana

- Louisiana's first oil well was drilled in 1901 in a rice field near Jennings
- Over 220,000 wells have been drilled in Louisiana since then
- Total Louisiana crude production in 2016 was 56,432,000 barrels



Louisiana's First Oil Well



History of Oil and Gas in Louisiana

- Standard Oil built Louisiana's first refinery in 1909 in Baton Rouge
- Today, there are 17
 refineries with a total
 refining capacity of
 3,343,206 barrels per day
- 18% of total US refining capacity; second only to Texas



Standard Oil Baton Rouge Refinery



Impact of Oil and Gas on Louisiana

- Directly employed 44,580 workers (2017)
- Supported 262,520 jobs (2015)
- Directly paid \$688.7M in state taxes and fees (FY2017)
- \$2B total contribution to LA economy (FY2017)



Regulatory Collaboration



Ozone NAAQS Attainment

 Five parishes around Baton Rouge have historically struggled with Ozone NAAQS

 Attainment with 2008 standard came just as 2015 standard was going into effect

 Exceedance on September 14, 2017 at the Dutchtown monitor



Exceptional Event

 EPA allows for pollutant data to be omitted if it can be proven to have been caused by an exceptional event

 Proved that Dutchtown exceedance caused by fires in Pacific Northwest



RVP Relaxation

16 parishes with RVP restrictions

 11 granted relaxation in Dec 2017 (had been through two 10-year maintenance periods)

5 parishes surrounding Baton Rouge remain



RVP Relaxation

- 5 remaining parishes
 - Photochemical modeling performed in Sept/Oct 2017
 - Exceptional event analysis performed January 2018
 - Rulemaking initiated in March/April 2018
 - Relaxation final September 2018



St. Bernard SO2

Modeled non-attainment with SO2 standard

Industry funded placement of monitors

Monitored data ~1/2 of standard

YE2019 will mark three years of clean data



Verified Recycler Exclusion

 Confusion related to stringency of federal vs state Definition of Solid Waste

Worked together with LDEQ to confirm LA DSW is more stringent than federal

 EPA R6 final rule approving LDEQ's hazardous waste program in a matter of months



Verified Recycler Exclusion

First VRE facility expected to begin operations very soon

 Will lead to a 80-90% reduction in hazardous waste generation from refineries



Through-Tubing Casing Inspections

 Ad hoc committee (industry experts along with regulators) to evaluate through-tubing casing inspection technology

 Technology shows great promise for future use in well integrity assessment



Upcoming Opportunity: PM2.5 Standard

Anticipating a reduction in PM2.5 standard

 Opportunity to perform modeling to determine potential areas of concern in Louisiana



Upcoming Opportunity: Offshore E&P Waste Compliance

 EPA R6 discovered compliance gaps in waste handling

- Working together to drive compliance
 - Guidance document
 - Other educational opportunities





Thank You!

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