

PRESENTATION OVERVIEW



► Topics Covered

- Changes to regulations for the oil & gas industry
- Ozone limits
- Steam Electric Generating Plants – New water emission limits guidance
- ORSANCO changes on mixing zones for bio-accumulatives



▶ CHANGES TO REGULATIONS FOR OIL AND GAS



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▶ Quad 0 and Proposed Climate, Air Quality and Permitting Rules

- NSPS Subpart 0000
 - Recent clarifications on storage tank requirements, low pressure wells, leak detection, reciprocating compressors, responsible official
- Climate Action Plan – Strategy to Reduce Methane Emissions
 - Proposed rules issued with request for input.
 - Facilities or processes covered include oil production sites and equipment, Natural gas production sites and equipment, gathering and boosting stations, gas transmission compressor stations, gas processing plants.
 - Leaks! Find and fix.



▶ OZONE!

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▶ EPA Announced Ground Level Ozone Change on October 1, 2015

- Drops the standard from 75 ppm to 70 ppm
- EPA cost estimate is \$1.2 billion dollars annually
- Precursor constituents will be more highly limited:
 - Nox, VOC
 - Motor vehicle exhaust, gasoline vapors, industrial facility and electric utility emissions
- Counties that will be in non-attainment will increase significantly
- Adjacent areas can be pulled in as influencing
- Modeling will often control over sampling results
- States will develop implementation plans to reduce levels – predominantly through permit limits
- Strategic planning should begin now to address restrictions to new facilities and expansions



▶ STEAM ELECTRIC GENERATING PLANTS - ELG

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STEAM GENERATING PLANTS – WATER EMISSION LIMITS GUIDANCE



▶ ELG – Guidance will control permits renewed between 2018 and 2023

- EPA projected annual cost \$480 Million
- EPA estimates impact to 12% of steam plant
- Affects wastewater streams from flue gas desulfurization, fly ash, bottom ash, flue gas mercury control, gasification of fuels such as coal and petroleum coke
- Zero discharge for Flue gas mercury control wastewater
- Strict limits for arsenic, mercury selenium, and TDS from coal gasification wastewater



▶ ORSANCO - CHANGES TO MIXING ZONE PROHIBITION FOR BIO-ACCUMULATIVES



ORSANCO CHANGES TO POLLUTION CONTROL STANDARDS



▶ ORSANCO Commission Meeting – Oct. 9, 2015

- Prior language required a prohibition on mixing zones for bio-accumulatives by October 16, 2015
- New language requires mixing zones be eliminated “as soon as practicable” as determined by the permitting authority
- Permitting authority must consider
 - Measures taken during current permitting cycle and proposed for the next permitting cycle to reduce or eliminate need for mixing zone
 - Concentration and duration of the discharge, bioaccumulation factors, exposure considerations.
- Applies to pre 2003 facilities
- Denied three variance applications as not needed following adoption of new language and cancelled two existing variances



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A decorative banner at the bottom of the slide. It features a red and white striped background. On the left, there is a graphic of the state of Kentucky with the text "STATE OF" above it. The word "Kentucky" is written in a cursive script across the state graphic. On the right side, there is a blue and white graphic with some illegible text.

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