

# VIEW FROM *the* TOP

*A newsletter from Commonwealth Dynamics, Inc., Specialists in Tall Structures*



## **IN THIS ISSUE:**

- **EPA finalizes NESHAP Emission Standards for the Portland Cement Manufacturing Industry**
- **Chimney & Silo Construction Nears Completion at LaCygne Generating Station**



## NESHAP FINAL RULE; WHAT DOES THIS MEAN?

On February 12, 2013 the EPA announced its final ruling on the National Emission Standard Standards for Hazardous Air Pollutants for the Portland Cement Manufacturing Industry. All Portland cement manufacturing plants must meet stack emission compliance standards for four pollutant categories (particulate matter, mercury, total hydrocarbons, and hydrochloric acid) for existing cement plants.

### DOES THIS APPLY TO ME?

The new standards apply to all cement manufacturing plants using Portland cement kilns and clinker coolers constructed, reconstructed, or modified after August 17, 1971 and before June 16, 2008. To determine whether your facility will be affected by this action, examine the applicability criteria in 40 CFR 60.60 (subpart F) or in 40 CFR 63.1340 (subpart LLL).



**300' chimney with C-276 steel liner to service a wet scrubber stack on a cement plant in Texas**

## IMPORTANT COMPLIANCE DATES

**FEBRUARY 12, 2014** For open clinker storage piles

**SEPTEMBER 9, 2015** For kilns and clinker coolers

### HOW CAN COMMONWEALTH HELP?

Our services include design, engineering, and construction for new structures and inspection and comprehensive analysis of your existing structure(s) to develop a detailed work plan specific to your individual needs. We evaluate all options and work with you to provide the best solution to meet your budget and schedule challenges. Whether its providing a new stack, chimney, or silo, or modifying your existing structure(s), Commonwealth's team of experts can assist you with all of your compliance needs. Please contact us!

# KCP&L LACYGNE ENVIRONMENTAL RETROFIT PROJECT

Commonwealth was contracted by LaCygne Environmental Partners (LEP), A Joint Venture between Kiewit Power Constructors, Co. and Sargent & Lundy, LLC to design and build a new dual flue reinforced concrete chimney and fly ash silo as part of Kansas City Power & Light’s Environmental Retrofit Project to reduce sulfur emissions at the 1500MW LaCygne Generating Station in Kansas.

A portion of the project includes the installation of two wet FGD scrubbers on Unit 1 & 2. Commonwealth is nearing completion of the new chimney which will service these 2 units. Once completed, the new units will be two of the cleanest coal-fired generating stations in the country with SO2 emissions removal efficiency of over 98 percent. Commonwealth is proud to be a part of this important compliance project.

	CHIMNEY	SILO
Overall Height	605'	208'
Diameter	78'	46'
Type	Reinforced Concrete with (2) FRP flues	Fly Ash; Reinforced Concrete
Method of Construction	Slipform	Jumpform
Materials of Construction	6,511 cyd of concrete 671 tons of reinforcing steel	1,610 cyd of concrete 118 tons of reinforcing steel



KCP&L LaCygne  
Generating Station,  
LaCygne, Kansas



**John W. Turk, Jr. Power Plant  
Fulton, Arkansas**

## IN THE NEWS

The first ever ultra-supercritical coal-fired power plant was built for AEP's brand new Turk Power Plant in Arkansas and is featured in this month's *Power Engineering Magazine*. Commonwealth designed and built the 643' tall chimney, as well as the silo and stacking tubes, for this project. We're proud to announce we were awarded a "zero harm" recognition award from Shaw Constructors for achieving zero safety incidents on this job. We pride ourselves in safety, quality, and productivity for each and every project we build.



**COMMONWEALTH**

### PLEASE CONTACT US!

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**IN OUR NEXT ISSUE....** Israel Electric Project Update

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