

**NEWS SPOTLIGHT:**

NOx SIP Call

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**A MESSAGE FROM OUR PRESIDENT**

On February 26, 2019 the US EPA issued a final rule entitled: "Update to NOx SIP Call Regulations: Emissions Monitoring Provisions in State Implementation Plans Required Under the NOx SIP Call." EPA summarizes this rule making as follows:

*"...Prior to the amendments, affected states were required to include provisions in their state implementation plans (SIPs) for certain covered facilities to monitor summertime NOx emissions according to 40 CFR part 75, which generally entails the use of continuous emission monitoring systems (CEMS). Most of these also perform part 75 monitoring under other programs ... but some of the sources perform part 75 monitoring only because of the SIP provisions required by the NOx SIP Call regulations. Under current circumstances, other forms of monitoring requirements for the remaining sources could provide adequate assurance that the NOx SIP Call's required emissions reductions will continue to be achieved. Accordingly, the amendments allow states to amend their SIPs to include alternate, potentially lower-cost monitoring requirements for NOx SIP Call.*

But what does this mean? States affected by NOx SIP Call regulations may amend their State Implementation Plans to relax continuous monitoring requirements for sources originally included in EPA's Clean Air Interstate Rule (CAIR). Some States are already moving forward with the changes allowed by this rulemaking. Many states are working to implement a revised SIP and to allow alternative monitoring including PEMS. This ruling affects existing units in Connecticut, DC, Delaware, Illinois, Indiana, Kentucky, Massachusetts, Maryland, Michigan, North Carolina, New Jersey, New York, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, and West Virginia.

How does this affect me? If you are monitoring NOx using a CEMS under 40 CFR Part 75 and were included in the original CAIR regulations, you have an option to utilize PEMS and to be regulated under 40 CFR Part 60 going forward once your State modifies its SIP. This means that it will be easier to implement a predictive emission monitoring system at your facility. Applicable quality assurance requirements for the PEMS must be followed including PS-16.

CMC Solutions has a great deal of experience with these requirements and offers a product that is guaranteed to certify under 40 CFR Part 60, PS-16. SmartCEMS with Data eElements is a complete system that includes PEMS and data acquisition. CMC will install a PEMS and guarantee certification under PS-16.

**We can help you turn your CEMS off for good.**



## EMPLOYEE SPOTLIGHT

### Branden Goebel

Say hello to Branden, our *Customer Support Manager* here at CMC Solutions! He joined the team in 2019 after graduating from Michigan State University with a degree in mechanical engineering. Branden has worked on a variety of projects, supplying support to customers across the globe.



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## CONFERENCES

### Attended Conferences



Many emissions monitoring and power related conferences that we regularly attend have been cancelled during the pandemic. CMC has had to get creative to continue to get the word out about the fact that we are a leading provider of Predictive Emissions Monitoring System (PEMS) technology.

We were happy to see that the CEM EPRI conference decided to organize their conference this year (May 2021) as a virtual event. We were able to view and interact with the various speakers at the event and CMC had a virtual booth there as well! It was great talking to people about the latest in emissions monitoring technology.

If you have any questions about how we can reduce your monitoring budget while remaining in EPA compliance, then please visit us on our website at <https://cmcpems.com> or email us at [sales@cmcsolutions.org](mailto:sales@cmcsolutions.org).



Meet with an Exhibitor



Looking for more information? Meet with one of our experts to talk through any questions.

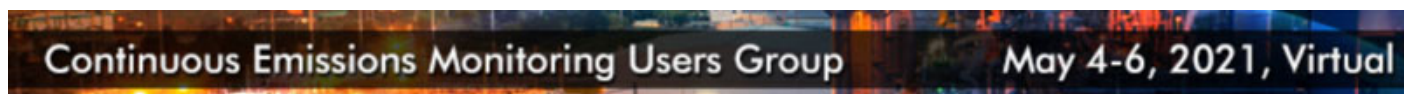
Join virtual meeting



### Upcoming Conferences

- Big 10 and Friends
- Powergen
- CEMEU

We missed seeing you all at our normal conferences that were delayed due to COVID-19, but we look forward to these conferences happening in later 2021 and 2022!



EPRI | Continuous Emissions Monitoring | Continuous Emissions Monitoring User Group Conference & Exhibit 2021



My Event All Sessions My Schedule Exhibitors Attendees Game

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## ONGOING PROJECTS

### Major University

CMC Solutions provided 5 PEMS for a Big 10 University. These boilers run on natural gas, distillate oil, and biodiesel with ultra-low NOx burners and a carbon monoxide catalyst. The client required this PEMS system to be configured for full redundancy to achieve automatic failover.

### Defense Contractor

CMC is currently working on a PEMS project for a large west coast defense contractor. This project includes design, fabrication, delivery, start-up, model development support, installation support services, certification, performance testing, training and documentation for a complete PEMS for a boiler unit. The client requires significant cyber security conditions for their project.

### Offshore Natural Gas Platform

CMC is working with a major international oil and gas company to provide a PEMS solution for their offshore floating Natural Gas Processing Platform in the Gulf of Mexico. This project includes software, services, and support for a complete emission monitoring system consisting of predictive emission monitors and data acquisition system for two compressors and two gas turbines.

### Hospital

CMC Solutions is supplying a highly acclaimed hospital in the Midwest for a complete compliance emission monitoring system for 3 new gas boilers with PEMS certified to 40 CFR Part 60. This includes permanent site licenses, data acquisition and handling system, server, and certification testing as well as all required configuration, installation, startup, and training.



### Oil and Gas UAE

CMC has been awarded a contract to provide one of the largest emission monitoring systems in the world to a oil and gas facility in UAE. The installation includes 7 CEMS, 55 PEMS, and 10 CPMS. The monitoring system integrates the data acquisition of environmental data from boilers, heaters, incinerators, flares, and other emission sources for the facility. The system has been provided as part of separate contracts issued over the past 12 years to CMC Solutions through EPC contractors that are building this facility. The CEMS include Ametek Model 914 extractive sampling and the RM 9900 multi-component analyzer. The PEMS are SmartCEMS with Data eElements includes data acquisition and reporting for the UAE regulatory agency. All sources more than 50 tons per year of any primary pollutant emission must report with a continuous monitoring solution. Implementation with our products has resulted in significant cost savings both in initial capital and in ongoing maintenance and quality assurance of the installed monitoring solution.

## REPRESENTATIVE SPOTLIGHT



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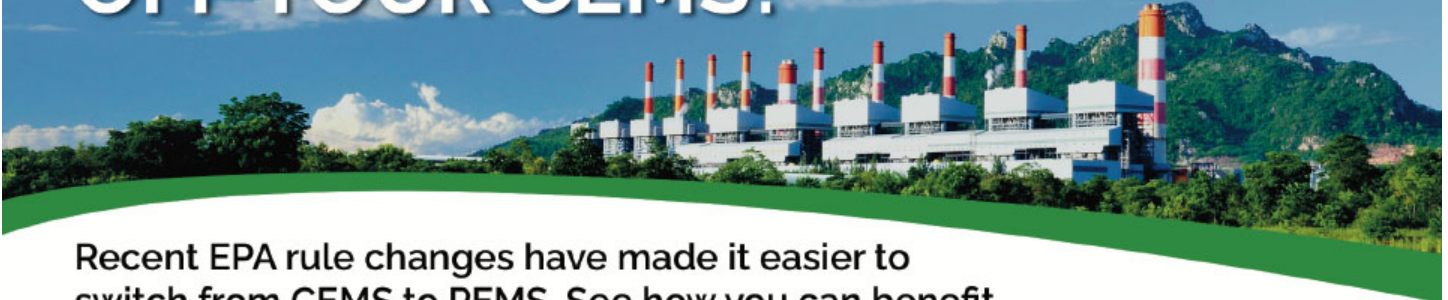
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# IS IT TIME TO TURN OFF YOUR CEMS?



Recent EPA rule changes have made it easier to switch from CEMS to PEMS. See how you can benefit by visiting us online or by following the QR code.

CMC Solutions offers an advanced, flexible and reliable compliance monitoring system with the lowest cost of ownership and a full guarantee of certification. Start saving and get rid of monitor downtime by switching to CMC Solutions' SmartCEMS Predictive Emissions Monitoring today!

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