



Your Path To Compliance Begins With Us

The Environmental Protection Agency (EPA) will soon publish its long-anticipated rule regulating Coal Combustion Residuals (CCR) in the Federal Register. But the time to start planning for a key compliance obligation is now. **One of the first steps? Develop the required data and information website.**

Stantec has been tracking the development of the new rule and clearly significant CCR management changes will unfold very shortly. We also know that the one of the first requirements of the new rule directs all utility companies subject to the CCR rule to post a host of CCR unit information on a publicly accessible website within six months of rule publication. Designed to promote transparency between CCR unit operations and management, and the public, this website is one of the most important aspects of the new rule.

Due to the “self implementing” nature of the rule, the website will ultimately be the industry’s sole portal demonstrating compliance with the federal requirements. Additionally, the website information effectively communicates the owner’s intended path forward for each CCR unit. The significance of this includes the fact that defense of challenges regarding future compliance will largely be based on the information presented as required on the portal.

Simple, Scalable Solution

Our engineering, environmental and data management team has reviewed the website requirements and developed a simple yet scalable solution that meets the needs of the industry. This framework was adapted from similar successful Stantec applications and is driven by a key assumption: our clients determine how complex the solution must be. As a result, our data management approach ranges from simple document management systems to those integrated with many other information sources.

Our CCR compliance website is organized to provide quick access to all rule required elements. The model starts at the operator level, searchable by facility name or via a map interface and drills down into the required information about each CCR unit. At its most basic level, digital documents are provided for each required element. At a more sophisticated level, the data within the documents is extracted and fed into analysis tools that generate a visually pleasing display. Our simple data model is fully scalable from one to hundreds of CCR units. A primary advantage of the Stantec solution is the owner’s ability to standardize the information structure presented to the public.

Our website structure mirrors the implementation schedule set forth in the CCR rule. This phased approach allows the utility industry to provide the required information to the public as it is available. Overall, however, information will be required for each CCR unit within the following five major areas:

- Design criteria
- Operating criteria
- Groundwater monitoring and corrective action
- Location restrictions
- Closure and post closure care

For each of these areas, multiple pieces of varied information must be posted, potentially numbering in the hundreds of documents.

Stantec will work with each utility client to determine the best solution for their needs. Our flexible menu of services includes “turnkey” solutions, site design services, administration or consulting on your own internal solution. Our web solutions can be designed for utility hosting or hosting by Stantec on secure servers.

A Seamless Team

Stantec has a long history as trusted partners implementing innovative CCR solutions for the electric power industry and related communities. Our expertise includes generation fleet programmatic support, dam safety, emergency response as well as impoundment and landfill development and closure from concept through implementation. This experience uniquely qualifies Stantec to develop a fully compliant website for public disclosure as required under the EPA rule.

Our information management (IM) team is experienced in enterprise data management, systems integration, enterprise implementation, customized applications and web-based portal development. This knowledge and experience with technology is highly adaptable to support any client’s business requirements.

Our IM professionals routinely work hand in hand with our internal subject matter experts to develop industry specific applications that are cost-effective, efficient and help our clients manage their information. The result: the Stantec

Home Facilities Map Program Overview Search Go

CCR Rule Compliance Data and Information Website

Welcome

This website is provided by Utility Name to provide information regarding our coal combustion residual power generating facilities. We are committed to providing information to our community about our facilities. For more information about a specific facility click on the list or map below.

Select Facility from List

Ohio River Generating
Mississippi River Generating Station
Black Creek Power
Don's Run
Great Lakes Power
East Coast Lighting

Select Facility from Map

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Sample Landing Page

team can help determine when information is appropriate, understandable and timely for public consumption.

Proven Track Record

Our IM and technical subject matter experts have developed numerous web applications from complex solutions for the Department of Homeland Security to simple volunteer organization WordPress sites. We've deployed dozens of internally and external facing sites for our clients. What sets Stantec apart from typical web developers is our industry knowledge. We understand the CCR business and apply this knowledge to the development of our applications. A

snapshot of our work and the elements similar to the CCR rule requirements can be found below. For those sites that are publicly accessible we have provided website links.

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Client	Document Management	Data Management	Accessibility (public/private)	Turnkey/hand-off	Map interface	Site Maintenance	Link
Lexington Fayette Urban County Government	●	●	Public	Turnkey	●		http://ctims.lexingtonky.gov/
Indiana Department of Natural Resources	●	●	Public	Turnkey	●	●	http://dnrmaps.dnr.in.gov/appsphp/fdms/
Southern Indiana Stormwater	●		Public	Turnkey		●	www.siswac.org/
GRT - Confidential Client	●	●	Private	Turnkey	●		private - not available
Kentucky Emergency Management	●	●	Private	Turnkey	●	●	www.hazardcenter.louisville.edu/champs/
Boston Water & Sewer	●	●	Private	Turnkey	●		private - not available
Plains All American	●	●	Private	Turnkey	●		private - not available
FEMA	●	●	Public	Turnkey	●	●	http://mat.msc.fema.gov/Account/Login.aspx?ReturnUrl=%2f
City of Toronto	●	●	Public	Turnkey	●	●	http://stantecweb.com/bf4/Progress
Kinder Morgan	●		Private	Turnkey		●	private - not available