



## Coal Combustion Residual Surface Impoundment Permitting Program

### Application Form CCR 2CA:

#### Construction Permit for Corrective Action Construction

The owner or operator must place in the facility's operating record all permit applications submitted to the Agency and all permits issued under 35 Ill. Adm. Code 845, as required by 35 Ill. Adm. Code 845.800(d)(1).

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#### FORM 2CA – GENERAL INSTRUCTIONS

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##### Who must complete Form 2CA?

The owner or operator of the Coal Combustion Residual (CCR) surface impoundment.

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#### FORM 2CA – LINE-BY-LINE INSTRUCTIONS

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##### Section 1: Design and Construction Plans (35 Ill. Adm. Code 845.220)

**Item 1.1** Enter the CCR's official or legal name. Do not use a colloquial name.

**Item 1.2** If an identification number has been assigned to the CCR surface impoundment, enter it here. If a number has not been assigned, write "N/A".

**Item 1.3** Provide the legal description of the CCR surface impoundment's boundary.

**Item 1.4** Describe the purpose for which your facility is using the CCR surface impoundment.

**Item 1.5** State how many years the CCR surface impoundment has been in operation, or what year it was constructed.

**Item 1.6** List the types of CCR that have been placed in the CCR surface impoundment.

**Items 1.7 and 1.8** Watershed information may be found on the USGS website.

**Item 1.9** Check each box to acknowledge each item has been included with the application. Include written descriptions and engineering plans and specifications as required.

**Item 1.10.1** State if there is any record or previous/current knowledge of any type of structural instability of the CCR surface impoundment.

**Item 1.10.2** If yes, please describe the instability issues, and if/how they have been resolved.

## **Section 2: Narrative Description of The Facility (35 Ill. Adm. Code 845.220)**

For each of the Narrative Description requirements, fill in the requested information of the form or attach a narrative description page which includes all required information. Requirements found in 35 Ill. Adm. Code 845.220.

## **Section 3: Maps (35 Ill. Adm. Code 845.220)**

Check the box next to each map submission requirement, to acknowledge they have been included with the application submittal.

## **Section 4: Attachments**

Check the box next to each submission requirement, to acknowledge they have been included with the application submittal.

## **Section 5: Groundwater Monitoring Program**

Check the box next to the groundwater monitoring requirements submission requirement, to acknowledge they have been included with the application submittal.

## **Section 6: Corrective Action (35 Ill. Adm. Code 845.220(c))**

Check the box next to the corrective action plan submission requirement to acknowledge they have been included with the application submittal.

## **Section 7: Groundwater Modeling (35 Ill. Adm. Code 845.220(c))**

Check the box next to the groundwater modeling requirements submission requirement, to acknowledge they have been included with the application submittal.



**Illinois Environmental Protection Agency**  
**CCR Surface Impoundment Permit Application**  
**Form CCR 2CA – Corrective Action Construction**

Bureau of Land ID Number:

For IEPA Use Only

CCR Permit Log Number:

Facility Name:

**SECTION 1: DESIGN AND CONSTRUCTION PLANS (35 Ill. Adm. Code 845.220)**

Design and Construction Plans	1.1	CCR surface impoundment name.
	1.2	Identification number of the CCR surface impoundment (if one has been assigned by the Agency).
	1.3	Describe the boundaries of the CCR surface impoundment (35 Ill. Adm. Code 845.210 (c)).
	1.4	State the purpose for which the CCR surface impoundment is being used.
	1.5	How long has the CCR surface impoundment been in operation?
	1.6	List the types of CCR that have been placed in the CCR surface impoundment.
	1.7	List the name of the watershed within which the CCR surface impoundment is located.

Design and Construction Plans (Continued)	1.8	What is the size in acres of the watershed within which the CCR surface impoundment is located?			
	1.9	Check the corresponding boxes to indicate that you have attached the following:			
			Drawings satisfying the requirements of 35 Ill. Adm. Code 845.220(a)(1)(F).		
			A description of the type, purpose, and location of existing instrumentation.		
			Area capacity curves for the CCR Impoundment.		
			A description of each spillway and diversion design features and capacities and provide the calculations used in their determination.		
			The construction specifications and provisions for surveillance, maintenance, and repair of the CCR surface impoundment.		
			A description of the physical and engineering properties of the foundation and abutment materials on which the CCR surface impoundment is constructed.		
			A statement of the type, size, and physical and engineering properties of the materials used in constructing each zone or stage of the CCR surface impoundment.		
			A statement of the method of site preparation and construction of each zone of the CCR impoundment.		
			A statement of the approximate dates of construction of each successive stage of construction of the CCR surface impoundment.		
	1.10.1	Is there any record or knowledge of structural instability of the CCR surface impoundment?			
		Yes		No	
1.10.2	If you answered yes to Item 1.10.1, provide detailed explanation of the structural instability.				
SECTION 2: NARRATIVE DESCRIPTION OF THE FACILITY (35 Ill. Adm. Code 845.220)					
Narrative Description	2.1	List the types of CCR expected in the CCR surface impoundments.			

Narrative Description (Cont.)	2.2	Have you attached a chemical analysis of each type of expected CCR?		
		Yes		
	2.3	Estimate of the maximum capacity of the surface impoundment in gallons or cubic yards.		
	2.4	Enter the rate at which CCR and non-CCR waste streams currently enter the CCR impoundment in gallons per day and dry tons.		
		GPD		dTn
2.5	Estimate length of time the CCR surface impoundment will receive CCR and non-CCR waste streams.			
2.6	Have you attached an on-site transportation plan that includes all existing and planned roads in the facility that will be used during the operation of the CCR surface impoundment?			
	Yes			
<b>SECTION 3: MAPS (35 Ill. Adm. Code 845.220)</b>				
Maps	3.1	Check the corresponding boxes to indicate that you have attached the following maps:		
		A site location map on the most recent United States Geological Survey (USGS) quadrangle of the area from the 7 ½ minute series (topographic) or on another map whose scale clearly shows the information required in 35 Ill. Adm. Code 845.220(a)(3).		
		Site plans maps satisfying the requirements of 35 Ill. Adm. Code 845.220(a)(4).		
<b>SECTION 4: ATTACHMENTS</b>				
Attachments	4.1	Check the corresponding boxes to indicate that you have attached the following:		
		A narrative description of the proposed construction of, or modification to, a CCR surface impoundment and any projected changes in the volume or nature of the CCR or non-CCR waste streams.		
		Plans and specifications fully describing the design, nature, function, and interrelationship of each individual component of the facility.		
		The signature and seal of a qualified professional engineer.		
		Certification that the owner or operator of the CCR surface impoundment completed the public notification and public meetings required under 35 Ill. Adm. Code 845.240.		
		A summary of the issues raised by the public during the public notification and public meetings.		
		A summary of any revisions, determinations, or other considerations made in response to those issues raised by the public during the public notification and public meetings.		
		Certification that all contractors, subcontractors, and installers utilized to construct, install, modify, or close a CCR surface impoundment are participants in a training program that is approved by and registered with the U.S. Department of Labor's Employment and Training Administration and that includes instruction in erosion control and environmental remediation.		

			Certification that all contractors, subcontractors, and installers utilized to construct, install, modify, or close a CCR surface impoundment are participants in a training program that is approved by and registered with the U.S. Department of Labor's Employment and Training Administration and that includes instruction in the operation of heavy equipment and excavation.
<b>SECTION 5: GROUNDWATER MONITORING PROGRAM</b>			
<b>Groundwater Monitoring</b>	5.1	Indicate that you have attached the following components of a new groundwater monitoring program or any modifications to an existing groundwater monitoring program by checking the corresponding boxes:	
			A hydrogeologic site investigation meeting the requirements of 35 Ill. Adm. Code 845.620, if applicable.
			Design and construction plans of a groundwater monitoring system meeting the requirements of 35 Ill. Adm. Code 845.630.
			A proposed groundwater sampling and analysis program that includes selection of the statistical procedures to be used for evaluating groundwater monitoring data as required by 35 Ill. Adm. Code 845.640 and 845.650.
<b>SECTION 6: CORRECTIVE ACTION (35 Ill. Adm. Code 845.220(c))</b>			
<b>Corrective Action</b>	6.1	Indicate that you have attached a corrective action plan as specified in 35 Ill. Adm. Code 845.670 by checking the box below:	
			Corrective action plan as specified in 35 Ill. Adm. Code 845.670.
			Corrective action groundwater monitoring program, including identification of revisions to the groundwater system for corrective action.
			Any interim measures necessary to reduce the contaminants leaching from the CCR surface impoundment, and/or potential exposures to human or ecological receptors, including an analysis of the factors specified in 35 Ill. Adm. Code 845.680(a)(3).
<b>SECTION 7: GROUNDWATER MODELING (35 Ill. Adm. Code 845.220(c))</b>			
<b>Groundwater Modeling</b>	7.1	Indicate that you have attached the following by checking the corresponding boxes:	
			The results of groundwater contaminant transport modeling and calculations showing how the corrective action will achieve compliance with the applicable groundwater standards.
			All modeling inputs and assumptions.
			Description of the fate and transport of contaminants with the selected corrective action over time.
			Capture zone modeling, if applicable.
			Any necessary licenses and software needed to review and access both the model and the data contained within the models required by 35 Ill. Adm. Code 845.220(c)(2).